TROUBLE SHOOTING MANUAL

HIGHLIGHTS

REVISION NO. 54 May 01/08

Pages which have been revised are outlined below, together with the Highlights of the Revision

CH/SE/SU C	REASON FOR CHANGE	EFFECTIVITY
PAGES		

CHAPTER 31

T. OF C.	REVISED TO REFLECT THIS REVISION INDICATING NEW, REVISED, AND/OR DELETED PAGES REVISED TO REFLECT THIS REVISION	
6- 40 31-ECAM 106	FAULT LIST UPDATED	ALL
31-0BSV 104	FAULT LIST UPDATED	ALL
103- 104,	SB 32-1336 INCORPORATED LANDING GEAR - NORMAL BRAKING - INSTALL BSCU STD 10 BY SB ONLY.	201-225, 227-227, 229-299, 426-450, 476-499, 503-549, 551-599, 701-749,
31-21-00 201, 207	CIRCUIT BREAKER(S) DATA UPDATED	201-225, 227-227, 229-249, 276-299, 426-430, 476-480, 503-549, 551-557, 701-749,
	EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	201-225, 227-227, 229-249, 276-299, 426-430, 476-480, 503-549, 551-557, 701-749,
207- 209, 222, 235- 236, 238, 244- 245, 251, 253,	EFFECTIVITY UPDATED CORRECTION/ADDITION/AMPLIFICATION ONE STEP ADDED AT THE BEGINNING OF THE SUBTASK LAYOUT IMPROVED/MATERIAL RELOCATED CIRCUIT BREAKER(S) DATA UPDATED EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	201-225, 227-227, 229-299, 426-499, 503-549, 551-599, 701-749, ALL ALL ALL

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A200, A212, A221, A224, A249, A257- A258, A274, A276, A299- B200, B204- B206		
	EFFECTIVITY UPDATED EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,
31-33-00 302	EFFECTIVITY UPDATED EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,
	CIRCUIT BREAKER(S) DATA UPDATED EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	ALL ALL
	EFFECTIVITY UPDATED CORRECTION/ADDITION/AMPLIFICATION PAGE BLOCK CHANGE FROM 101 TO 201 EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	201-225, 227-227, 229-299, 426-499, 503-549, 551-599, 701-749, 201-225, 227-227, 229-253, 276-299, 426-499, 503-549, 551-599, 701-749,
31-36-00 302	EFFECTIVITY UPDATED EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	201-225, 227-227, 229-245, 252-253, 276-299, 426-450, 476-499, 701-749,
31-38-00	EFFECTIVITY UPDATED	31-HIGHLIGHTS Page 2 of 4 REVISION NO. 54 May 01/08

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CH/SE/SU C PAGES	REASON FOR CHANGE	EFFECTIVITY
205- 206, 209- 210	EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	201-225, 227-227, 229-245, 254-299, 426-429, 451-480, 503-549, 551-599, 701-749,
31-51-00 201- 218	EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	ALL
209- 212, 214- 217.	EFFECTIVITY UPDATED REPRINTED TITLE OF TASK(S) DATA UPDATED EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	ALL ALL ALL
	EFFECTIVITY UPDATED EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, 701-749,
221, 231, 233, 243, 245, 254,	EFFECTIVITY UPDATED CIRCUIT BREAKER(S) DATA UPDATED EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	201-225, 227-227, 229-249, 254-299, 426-499, 503-549, 551-599, 701-749, 201-225, 227-227, 229-249, 254-299, 426-499, 503-549, 551-599, 701-749,
31-63-81 A208,A210, A212	CIRCUIT BREAKER(S) DATA UPDATED EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	201-225, 227-227, 229-245, 254-299, 426-499, 503-549, 551-599, 701-749, 201-225, 227-227, 229-245, 254-299, 426-499, 503-549, 551-599, 701-749,
31-63-82 245, 247-	EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	ALL
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CHAPTER 31

INDICATING/RECORDING SYSTEMS

LIST OF EFFECTIVE PAGES

N, R or D indicates pages which are New, Revised or Deleted respectively Remove and insert the affected pages and complete the Record of Revisions and the Record of Temporary Revisions as necessary

CH/SE/SU	С	PAGE	DATE	CH/SE/SU	С	PAGE	DATE	CH/SE/SU	С	PAGE	DATE
RECORD				T. of C.	R	38	May01/08	31-0BSV		101	Feb01/08
OF TEMP.				T. of C.	R		May01/08	31-0BSV			Feb01/08
REVISION				T. of C.	R		•	31-0BSV			Feb01/08
						.0	,,	31-0BSV			May01/08
L.E.P.	R	1-10	May01/08	31-ECAM		101	Feb01/06	31-0BSV			Feb01/08
T. of C.	R	1	•	31-ECAM			Aug01/05	31-0BSV			Nov01/07
T. of C.			Nov01/06	31-ECAM			Aug01/05	3. 0201		.00	10001701
T. of C.	R		May01/08	31-ECAM			Aug01/05	31-CFDS		101	Aug01/05
T. of C.			Feb01/08	31-ECAM			Nov01/07	31-CFDS			Nov01/07
T. of C.			Feb01/08	31-ECAM	R		May01/08	31-CFDS	ı		May01/08
T. of C.	R		May01/08	31-ECAM			Feb01/07	31-CFDS			May01/08
T. of C.	R		May01/08	31-ECAM			Aug01/07	31-CFDS			Feb01/08
T. of C.	R		May01/08	31-ECAM			Aug01/07	31-CFDS			Feb01/07
T. of C.	R		May01/08	31-ECAM			Aug01/07	31-CFDS			Feb01/06
T. of C.	R	10	May01/08	31-ECAM			Aug01/07	31-CFDS			Feb01/06
T. of C.	R	11	May01/08	31-ECAM			Aug01/07	31-CFDS			May01/06
T. of C.	R	12	May01/08	31-ECAM			Aug01/07	31-CFDS			Feb01/06
T. of C.	R	13	•	31-ECAM			Aug01/07	31-CFDS			Feb01/06
T. of C.	R	14	•	31-ECAM			Aug01/07	31-CFDS			Feb01/06
T. of C.	R	15	•	31-ECAM			Aug01/07	31-CFDS			Aug01/05
T. of C.	R	16	•	31-ECAM			Aug01/07	31-CFDS			Aug01/05
T. of C.	R		May01/08	31-ECAM			Aug01/07	31-CFDS			Aug01/05
T. of C.	R	18	May01/08	31-ECAM			Aug01/07	31-CFDS			Aug01/05
T. of C.	R	19	May01/08	31-ECAM			Aug01/07	31-CFDS			Aug01/05
T. of C.	R	20	May01/08	31-ECAM			Aug01/07	31-CFDS			Aug01/05
T. of C.	R	21	May01/08	31-ECAM		122	Aug01/07	31-CFDS			Aug01/05
T. of C.	R	22	May01/08	31-ECAM		123	Aug01/07	31-CFDS		120	Nov01/07
T. of C.	R	23	May01/08	31-ECAM		124	Aug01/07	31-CFDS		121	Feb01/07
T. of C.	R	24	May01/08					31-CFDS		122	Feb01/07
T. of C.	R	25	May01/08	31-EFIS		101	Aug01/95	31-CFDS		123	Feb01/07
T. of C.	R	26	May01/08	31-EFIS		102	Aug01/95	31-CFDS		124	Aug01/07
T. of C.	R	27	May01/08	31-EFIS		103	Aug01/95	31-CFDS	ı	125	May01/08
T. of C.	R	28	May01/08	31-EFIS		104	Aug01/05	31-CFDS	ı	126	May01/08
T. of C.	R	29	May01/08	31-EFIS		105	Aug01/05	31-CFDS	ı	R 127	May01/08
T. of C.	R	30	May01/08	31-EFIS		106	Aug01/05	31-CFDS		128	Feb01/08
T. of C.	R		May01/08	31-EFIS		107	Aug01/05	31-CFDS		129	Feb01/08
T. of C.	R	32	May01/08	31-EFIS		108	Aug01/05				
T. of C.	R		May01/08	31-EFIS		109	Aug01/05	31-21-00	F	201	May01/08
T. of C.	R		May01/08					31-21-00			Feb01/00
T. of C.	R		May01/08	31-LOCAL		101	Nov01/07	31-21-00			Feb01/00
T. of C.	R		May01/08	31-LOCAL		102	Feb01/08	31-21-00			Feb01/00
T. of C.	R	37	May01/08					31-21-00		205	Feb01/00

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31-21-00		204	Feb01/00	31-32-00		2/2	Feb01/00	31-32-00	R	207	May01/08
	_		-	31-32-00				31-32-00	K		Feb01/08
31-21-00	R		May01/08		_		Feb01/00		D		
31-21-00			Feb01/08	31-32-00 31-32-00	R		May01/08	31-32-00	R		May01/08
31-21-00			Feb01/00		R		May01/08	31-32-00	R		May01/08
31-21-00			Feb01/03	31-32-00			Feb01/00	31-32-00			Feb01/07
31-21-00			Feb01/03	31-32-00			May01/05	31-32-00			Feb01/07
31-21-00			Feb01/08	31-32-00			May01/05	31-32-00	_		Feb01/07
31-21-00			Nov01/06	31-32-00			Feb01/07	31-32-00	R		May01/08
31-21-00		214	Nov01/06	31-32-00	_		Feb01/07	31-32-00			Feb01/08
				31-32-00	R		May01/08	31-32-00			Feb01/07
31-32-00			Aug01/94	31-32-00			Feb01/07	31-32-00			Feb01/07
31-32-00			May01/96	31-32-00	R		May01/08	31-32-00			Feb01/07
31-32-00			May01/03	31-32-00			Feb01/07	31-32-00			Feb01/07
31-32-00			May01/96	31-32-00	R		May01/08	31-32-00			Feb01/07
31-32-00			May01/03	31-32-00			Feb01/07	31-32-00			Feb01/07
31-32-00			May01/96	31-32-00			Feb01/07	31-32-00			Feb01/07
31-32-00	R		May01/08	31-32-00			Feb01/07	31-32-00			Feb01/07
31-32-00	R		May01/08	31-32-00	R		May01/08	31-32-00			Feb01/07
31-32-00	R		May01/08	31-32-00			Feb01/07	31-32-00			Feb01/07
31-32-00			May01/03	31-32-00			Feb01/07	31-32-00	R		May01/08
31-32-00			Nov01/99	31-32-00	R		May01/08	31-32-00		A213	Feb01/07
31-32-00			Nov01/99	31-32-00		263	Feb01/08	31-32-00		A214	Feb01/07
31-32-00			Nov01/99	31-32-00		264	Feb01/07	31-32-00		A215	Feb01/07
31-32-00		214	Nov01/99	31-32-00		265	Feb01/07	31-32-00		A216	Feb01/07
31-32-00		215	Nov01/99	31-32-00	R	266	May01/08	31-32-00		A217	Feb01/07
31-32-00		216	Nov01/99	31-32-00	R	267	May01/08	31-32-00		A218	Feb01/07
31-32-00		217	Feb01/02	31-32-00	R	268	May01/08	31-32-00		A219	Feb01/07
31-32-00		218	Feb01/97	31-32-00		269	Feb01/07	31-32-00		A220	Feb01/07
31-32-00		219	Feb01/99	31-32-00		270	Feb01/07	31-32-00	R	A221	May01/08
31-32-00		220	Feb01/97	31-32-00	R	271	May01/08	31-32-00		A222	Feb01/08
31-32-00		221	Feb01/97	31-32-00	R	272	May01/08	31-32-00		A223	Feb01/07
31-32-00	R	222	May01/08	31-32-00		273	Feb01/07	31-32-00	R	A224	May01/08
31-32-00		223	Feb01/05	31-32-00		274	Feb01/07	31-32-00		A225	Feb01/07
31-32-00		224	Feb01/05	31-32-00	R	275	May01/08	31-32-00		A226	Feb01/07
31-32-00		225	Aug01/05	31-32-00	R	276	May01/08	31-32-00		A227	Feb01/07
31-32-00		226	Aug01/05	31-32-00		277	Feb01/07	31-32-00		A228	Feb01/07
31-32-00		227	Feb01/97	31-32-00		278	Feb01/07	31-32-00		A229	Feb01/07
31-32-00		228	Feb01/97	31-32-00		279	Feb01/07	31-32-00		A230	Feb01/07
31-32-00		229	Feb01/03	31-32-00		280	Feb01/07	31-32-00			Feb01/07
31-32-00		230	Feb01/03	31-32-00	R	281	May01/08	31-32-00			Feb01/07
31-32-00		231	May01/96	31-32-00	R		May01/08	31-32-00			Feb01/07
31-32-00			Feb01/97	31-32-00	R		May01/08	31-32-00			Feb01/07
31-32-00			May01/96	31-32-00			Feb01/08	31-32-00			Feb01/07
31-32-00			Feb01/97	31-32-00	R		May01/08	31-32-00			Feb01/07
31-32-00	R		May01/08	31-32-00			Feb01/08	31-32-00			Feb01/07
31-32-00	R		May01/08	31-32-00	R		May01/08	31-32-00			Feb01/07
31-32-00			Aug01/98	31-32-00	R		May01/08	31-32-00			Feb01/07
31-32-00	R		May01/08	31-32-00	R		May01/08	31-32-00			Feb01/07
31-32-00			Feb01/00	31-32-00			Feb01/07	31-32-00			Feb01/07
31-32-00			Feb01/00	31-32-00	R		May01/08	31-32-00			Feb01/07
31-32-00			Feb01/00	31-32-00			Feb01/08	31-32-00			Feb01/07
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31-32-00		A244	Feb01/07	31-32-00		A295	Feb01/08	31-35-00	R	210	May01/08
31-32-00			Feb01/07	31-32-00			Feb01/08	31-35-00	R		May01/08
31-32-00			Feb01/07	31-32-00			Feb01/08	31-35-00	R		May01/08
31-32-00			Feb01/07	31-32-00			Feb01/08	31-35-00			Feb01/05
31-32-00			Feb01/07	31-32-00	R		May01/08	31-35-00	R		May01/08
31-32-00	R		May01/08	31-32-00			May01/08	31-35-00	1		Feb01/05
31-32-00	1		Feb01/07	31-32-00			Feb01/07	31-35-00	R		May01/08
31-32-00			Feb01/07	31-32-00			Feb01/07	31-35-00	IX.		Feb01/08
31-32-00			Feb01/07	31-32-00			Feb01/07	31-35-00	R		May01/08
31-32-00			Feb01/07	31-32-00	P		May01/08	31-35-00	R		May01/08
31-32-00			Feb01/07	31-32-00			May01/08	31-35-00	IX.		Aug01/03
31-32-00			Feb01/07	31-32-00			May01/08	31-35-00	R		May01/08
31-32-00			Feb01/07	31-32-00			Feb01/07	31-35-00	R		May01/08
31-32-00	D		May01/08	31-32-00			Feb01/08	31-35-00	IX.		Feb01/08
31-32-00			May01/08	J1 J2 00		B 200	1 000 17 00	31-35-00	R		May01/08
31-32-00	IX.		Feb01/07	31-33-00	R	201	May01/08	31-35-00	IX.		May01/03
31-32-00			Feb01/07	31-33-00			Feb01/08	31-35-00	R		May01/08
31-32-00			Feb01/07	31-33-00			Nov01/03	31-35-00	IX.		Feb01/05
31-32-00			Feb01/07	31-33-00	R		May01/08	31-35-00	R		May01/08
31-32-00			Feb01/07	31-33-00	R		May01/08	31-35-00	IX.		Feb01/05
31-32-00			Feb01/07	31-33-00	R		May01/08	31-35-00	R		May01/08
31-32-00			Feb01/07	31-33-00	R		May01/08	31-35-00			Aug01/07
31-32-00			Feb01/07	31-33-00	R		May01/08	31-35-00			May01/03
31-32-00			Feb01/07	31-33-00			Nov01/05	31-35-00			May01/03
31-32-00			Feb01/07	31-33-00			Nov01/05	0.00			, 6 ., 65
31-32-00			Feb01/07	31-33-00	R		May01/08	31-36-00	R	201	May01/08
31-32-00			Feb01/07	31-33-00			Nov01/05	31-36-00	R		May01/08
31-32-00			Feb01/07	31-33-00			Aug01/04	31-36-00	R		May01/08
31-32-00			Feb01/07	31-33-00			Aug01/04	31-36-00	R		May01/08
31-32-00			Feb01/07	31-33-00	R		May01/08	31-36-00	R		May01/08
31-32-00	R	A274	May01/08	31-33-00			Feb01/08	31-36-00	R		May01/08
31-32-00		A275	Feb01/07	31-33-00			Aug01/04	31-36-00	R	207	May01/08
31-32-00	R	A276	May01/08	31-33-00	R	218	May01/08	31-36-00	R	208	May01/08
31-32-00		A277	Feb01/07	31-33-00		219	Feb01/05	31-36-00	R	209	May01/08
31-32-00		A278	Feb01/07	31-33-00	R	220	May01/08	31-36-00	R	210	May01/08
31-32-00		A279	Feb01/07	31-33-00		221	May01/06	31-36-00	R	211	May01/08
31-32-00		A280	Feb01/07	31-33-00		222	May01/06	31-36-00	R	212	May01/08
31-32-00		A281	Feb01/07	31-33-00		223	May01/07	31-36-00	R	213	May01/08
31-32-00		A282	Feb01/07	31-33-00		301	Feb01/07	31-36-00	R	214	May01/08
31-32-00		A283	Feb01/07	31-33-00	R	302	May01/08	31-36-00	R		May01/08
31-32-00		A284	Feb01/07	31-33-00		303	Nov01/03	31-36-00	R	216	May01/08
31-32-00			Feb01/07					31-36-00	R	217	May01/08
31-32-00			Feb01/07	31-35-00	R	201	May01/08	31-36-00	R		May01/08
31-32-00			Feb01/07	31-35-00	R		May01/08	31-36-00	R		May01/08
31-32-00			Feb01/07	31-35-00			Feb01/08	31-36-00	R		May01/08
31-32-00			Feb01/07	31-35-00	R		May01/08	31-36-00	R		May01/08
31-32-00			Feb01/07	31-35-00	R		May01/08	31-36-00	R		May01/08
31-32-00			Feb01/07	31-35-00	_		Feb01/08	31-36-00	R		May01/08
31-32-00			Feb01/07	31-35-00	R		May01/08	31-36-00	R		May01/08
31-32-00			Feb01/07	31-35-00	_		May01/03	31-36-00	R		May01/08
31-32-00		A294	Feb01/08	31-35-00	R	209	May01/08	31-36-00	R	226	May01/08

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CH/SE/SU	C	PAGE	DATE	CH/SE/SU	С	PAGE	DATE	CH/SE/SU	C	PAGE	DATE
	_				_						
31-36-00	R		May01/08	31-36-00	R		May01/08	31-38-00			Feb01/08
31-36-00	R		May01/08	31-36-00	R		May01/08	31-38-00			Feb01/08
31-36-00	R		May01/08	31-36-00	R		May01/08	31-38-00			Feb01/08
31-36-00	R		May01/08	31-36-00	R		May01/08	31-38-00			Feb01/08
31-36-00	R	231	May01/08	31-36-00	R	282	May01/08	31-38-00		218	Feb01/08
31-36-00	R	232	May01/08	31-36-00		283	Aug01/05	31-38-00		219	Feb01/08
31-36-00	R	233	May01/08	31-36-00	R	284	May01/08	31-38-00		220	Feb01/08
31-36-00	R	234	May01/08	31-36-00	R	285	May01/08	31-38-00		221	Feb01/08
31-36-00	R	235	May01/08	31-36-00	R	286	May01/08	31-38-00		222	Feb01/08
31-36-00	R	236	May01/08	31-36-00		287	Aug01/05	31-38-00		223	Feb01/08
31-36-00	R	237	May01/08	31-36-00	R	288	May01/08	31-38-00		224	Feb01/08
31-36-00	R		May01/08	31-36-00	R		May01/08	31-38-00		225	Feb01/08
31-36-00	R		May01/08	31-36-00	R		May01/08	31-38-00		226	Feb01/08
31-36-00	R		May01/08	31-36-00	R		May01/08	31-38-00			Feb01/08
31-36-00	R		May01/08	31-36-00	R		May01/08	31-38-00			Feb01/08
31-36-00	R		May01/08	31-36-00	R		May01/08	31-38-00			Feb01/08
31-36-00	R		May01/08	31-36-00	R		May01/08	31-38-00			Feb01/08
31-36-00	R		May01/08	31-36-00	R		May01/08	31-38-00			Feb01/08
31-36-00	R		May01/08	31-36-00	R		May01/08	31-38-00			Feb01/08
31-36-00	R		May01/08	31-36-00	R		May01/08	31-38-00			Feb01/08
31-36-00	R		May01/08	31-36-00	K		Aug01/07	31-38-00			Feb01/08
31-36-00	R		May01/08	31-36-00	R		May01/08	31-36-00		234	1 600 17 00
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31-36-00	R		May01/08	31-36-00			May01/08	31-51-00	R		May01/08
31-36-00	R		May01/08	31-36-00			May01/08	31-51-00	R		May01/08
31-36-00	R		May01/08	31-36-00	K		May01/08	31-51-00	R		May01/08
31-36-00	R		May01/08	31-36-00	_		Aug01/05	31-51-00	R		May01/08
31-36-00			Feb01/08	31-36-00	K		May01/08	31-51-00	R		May01/08
31-36-00	_		Feb01/08	31-36-00	_		Aug01/05	31-51-00	R		May01/08
31-36-00	R		May01/08	31-36-00			May01/08	31-51-00	R	209	•
31-36-00			Feb01/08	31-36-00	R		May01/08	31-51-00	R		May01/08
31-36-00			Nov01/03	31-36-00			Feb01/08	31-51-00	R	211	•
31-36-00	R		May01/08	31-36-00			May01/05	31-51-00	R		May01/08
31-36-00			Feb01/04	31-36-00	R		May01/08	31-51-00	R		May01/08
31-36-00	R		May01/08	31-36-00			Feb01/08	31-51-00	R		May01/08
31-36-00			Nov01/03	31-36-00		304	Nov01/03	31-51-00	R		May01/08
31-36-00			Nov01/06					31-51-00	R		May01/08
31-36-00		265	Aug01/05	31-38-00		201	Feb01/08	31-51-00	R	217	May01/08
31-36-00		266	Aug01/05	31-38-00		202	Aug01/98	31-51-00	R	218	May01/08
31-36-00		267	Aug01/05	31-38-00		203	Feb01/08	31-51-00	D	219	
31-36-00		268	Aug01/05	31-38-00		204	Feb01/08	31-51-00	D	220	
31-36-00		269	Aug01/05	31-38-00	R	205	May01/08				
31-36-00	R	270	May01/08	31-38-00	R	206	May01/08	31-53-00		201	Nov01/02
31-36-00			Aug01/05	31-38-00		207	Feb01/08	31-53-00		202	Aug01/94
31-36-00	R		May01/08	31-38-00			Feb01/08	31-53-00			Nov01/02
31-36-00			Aug01/05	31-38-00	R	209	May01/08	31-53-00		204	Nov01/02
31-36-00	R		May01/08	31-38-00	R		May01/08	31-53-00			Nov01/02
31-36-00	R		May01/08	31-38-00			Feb01/08	31-53-00			Aug01/94
31-36-00	R		May01/08	31-38-00			Feb01/08	31-53-00			Nov01/02
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31-53-00	R	209	May01/08	31-53-00		260	Feb01/06	31-53-00			A211	Nov01/07
31-53-00	R		May01/08	31-53-00			Feb01/06	31-53-00				Nov01/07
31-53-00	R		May01/08	31-53-00			Feb01/06	31-53-00		R		May01/08
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31-53-00			Feb01/06	31-53-00			Feb01/06	31-53-00				Nov01/07
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31-53-00	R		May01/08	31-53-00			Feb01/06	31-53-00		R		May01/08
31-53-00			Feb01/08	31-53-00			Feb01/06	31-53-00				Feb01/08
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31-53-00		238	Feb01/06	31-53-00		289	Feb01/06	31-53-00			A240	Nov01/07
31-53-00		239	Feb01/06	31-53-00		290	Feb01/06	31-53-00			A241	Nov01/07
31-53-00		240	Feb01/06	31-53-00		291	Feb01/06	31-53-00			A242	Feb01/08
31-53-00		241	Feb01/06	31-53-00		292	Feb01/06	31-53-00		R	A243	May01/08
31-53-00		242	Feb01/06	31-53-00		293	Feb01/06	31-53-00		R	A244	May01/08
31-53-00		243	Feb01/06	31-53-00		294	Feb01/06	31-53-00		R	A245	May01/08
31-53-00		244	Feb01/06	31-53-00		295	Feb01/06	31-53-00		R	A246	May01/08
31-53-00		245	Feb01/06	31-53-00		296	Feb01/06	31-53-00		R	A247	May01/08
31-53-00		246	Feb01/06	31-53-00		297	Feb01/06	31-53-00		R	A248	May01/08
31-53-00		247	Feb01/06	31-53-00		298	Feb01/06	31-53-00		R	A249	May01/08
31-53-00		248	Feb01/06	31-53-00		299	Feb01/06	31-53-00				Nov01/07
31-53-00		249	Feb01/06	31-53-00		A200	Feb01/06	31-53-00			A251	Nov01/07
31-53-00		250	Feb01/06	31-53-00		A201	Feb01/06	31-53-00			A252	Nov01/07
31-53-00		251	Feb01/06	31-53-00	R	A202	May01/08	31-53-00			A253	Nov01/07
31-53-00			Feb01/06	31-53-00	R		May01/08	31-53-00				Nov01/07
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31-53-00			Feb01/06	31-53-00			Nov01/07	31-53-00		R		May01/08
31-53-00			Feb01/06	31-53-00			Nov01/07	31-53-00				Nov01/07
31-53-00			Feb01/06	31-53-00			Nov01/07	31-53-00				Nov01/07
31-53-00		259	Feb01/06	31-53-00		A210	Nov01/07	31-53-00			A261	Nov01/07

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31-53-00		A262	Nov01/07	31-54-00		250	Aug01/06	31-54-00	R	A201	May01/08
				31-54-00			Aug01/06	31-54-00			May01/08
31-54-00		201	Aug01/06	31-54-00			Feb01/06	31-54-00			May01/08
31-54-00			Aug01/06	31-54-00			Aug01/06	31-54-00			May01/08
31-54-00			Aug01/06	31-54-00			Feb01/06	31-54-00			May01/08
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31-54-00			Aug01/06	31-54-00			Feb01/06	31-54-00			Aug01/06
31-54-00			Aug01/06	31-54-00			Aug01/06	31-54-00	R		May01/08
31-54-00			Aug01/06	31-54-00			Feb01/06	31-54-00			Aug01/06
31-54-00			Nov01/04	31-54-00			Aug01/06	31-54-00	R		May01/08
31-54-00		209	Nov01/06	31-54-00			Aug01/06	31-54-00			Aug01/06
31-54-00			Nov01/06	31-54-00			Aug01/06	31-54-00	R		May01/08
31-54-00		211		31-54-00			Aug01/06	31-54-00			Aug01/06
31-54-00			Nov01/06	31-54-00			Aug01/06	31-54-00	R		May01/08
31-54-00			Nov01/06	31-54-00			Aug01/06	31-54-00			May01/08
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31-54-00		247	Aug01/06	31-54-00		AZUU	Aug01/06	31-54-00		MZD I	Aug01/06

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31-54-00			Aug01/06	31-63-00		210	Aug01/05	31-63-00			Nov01/05
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31-54-00		A256	Feb01/06	31-63-00		212	Aug01/05	31-63-00		263	Aug01/05
31-54-00		A257	Aug01/06	31-63-00		213	Aug01/05	31-63-00		264	Aug01/05
31-54-00		A258	Feb01/06	31-63-00		214	Aug01/05	31-63-00		265	Aug01/05
31-54-00		A259	Aug01/06	31-63-00		215	Aug01/05	31-63-00		266	Aug01/05
31-54-00		A260	Aug01/06	31-63-00		216	Aug01/05	31-63-00		267	Nov01/05
31-54-00		A261	Aug01/06	31-63-00		217	Aug01/05	31-63-00	R	268	May01/08
31-54-00		A262	Aug01/06	31-63-00		218	Aug01/05	31-63-00		269	Nov01/05
31-54-00		A263	Feb01/06	31-63-00		219	Aug01/05	31-63-00	R	270	May01/08
31-54-00		A264	Feb01/06	31-63-00		220	Aug01/05	31-63-00		271	Nov01/05
31-54-00		A265	Feb01/06	31-63-00	R	221	May01/08	31-63-00	R	272	May01/08
31-54-00			Feb01/06	31-63-00			Nov01/05	31-63-00			Nov01/05
31-54-00			Feb01/0 6	31-63-00			Nov01/05	31-63-00	R		May01/08
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31-54-00			Aug01/06	31-63-00			Aug01/05	31-63-00	R		May01/08
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31-54-00			Aug01/06	31-63-00	R		May01/08	31-63-00	R		May01/08
31-54-00			Nov01/07	31-63-00	_		Nov01/05	31-63-00	R		May01/08
31-54-00			Aug01/06	31-63-00	R		May01/08	31-63-00	_		Nov01/05
31-54-00			Aug01/06	31-63-00			Nov01/05	31-63-00	R		May01/08
31-54-00			Aug01/06	31-63-00			Nov01/05	31-63-00			Nov01/05
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31-55-00		201	Feb01/05	31-63-00			Aug01/05	31-63-00			Aug01/05
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31-61-00		201	Feb01/96	31-63-00	ĸ		Nov01/05	31-63-00			Aug01/05 Aug01/05
31-61-00			Feb01/96	31-63-00	R		May01/03	31-63-00			Aug01/05 Aug01/05
31-61-00			Aug01/94	31-63-00	K	_	Nov01/05	31-63-00			Aug01/05
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31-61-00			May01/96	31-63-00			Feb01/08	31-63-00			Aug01/05
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31-63-00			Aug01/05	31-63-00	R		May01/08	31-63-00			Aug01/05
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31-63-00			Feb01/03	31-63-00	R		May01/08	31-63-00			Aug01/05
31-63-00			Feb01/03	31-63-00	.,		Nov01/05	31-63-00			Aug01/05
31-63-00			Feb01/03	31-63-00	R		May01/08	31-63-00			Aug01/05

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Clock		_05	ALL
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_	the FMGC 2 Bus of the FWC	242 ALL
•	the FMGC 2 Bus of the FWC	243 ALL
-	the FAC 1 Bus of the FWC 1	244 ALL
Loss of	the FAC 1 Bus of the FWC 2	245 ALL
Loss of	the FAC 2 Bus of the FWC 1	246 ALL
Loss of	the FAC 2 Bus of the FWC 2	247 ALL
Loss of	the FCDC 1 Bus of the FWC	248 ALL
Loss of	the FCDC 1 Bus of the FWC	249 ALL
Loss of	the FCDC 2 Bus of the FWC	250 ALL
Loss of	the FCDC 2 Bus of the FWC	251 ALL
Loss of	the ACARS Bus of the FWC 1	252 ALL
Loss of	the ACARS Bus of the FWC 2	253 ALL
Loss of	the ADIRU 1 Bus of the FWC	254 ALL
Loss of	the ADIRU 1 Bus of the FWC	255 ALL
	the ADIRU 2 Bus of the FWC	256 ALL
	the ADIRU 2 Bus of the FWC	257 ALL
	the ADIRU 3 Bus of the FWC	258 ALL
	the ADIRU 3 Bus of the FWC	259 ALL
	the ECU 1 Bus A of the FWC	260 ALL
	the ECU 1 Bus A of the FWC	261 ALL
	the ECU 1 Bus B of the FWC	262 ALL
•	the ECU 1 Bus B of the FWC	263 ALL
-	the ECU 2 Bus A of the FWC	264 ALL
•	the ECU 2 Bus A of the FWC	265 ALL
_	the ECU 2 Bus B of the FWC	266 ALL
Loss of	the ECU 2 Bus B of the FWC	267 ALL

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Loss of the EIU 1 Bus of the FWC 1 Loss of the EIU 1 Bus of the FWC 2 Loss of the EIU 2 Bus of the FWC 1 Loss of the EIU 2 Bus of the FWC 2 Loss of the RA 1 Bus of the FWC 1	268 ALL 269 ALL 270 ALL 271 ALL 272 ALL	
Loss of the RA 1 Bus of the FWC 2 Loss of the RA 2 Bus of the FWC 1	273 ALL 274 ALL	
Loss of the RA 2 Bus of the FWC 2 Loss of the LH SLT SYNC Signal	275 ALL 276 ALL	
Output by the FWC 1 Loss of the LH SLT SYNC Signal Output of the Slat IPPU to the FWC2	277 ALL	
Loss of the RH SLT SYNC Signal Output by the FWC 1	278 ALL	
Loss of the RH SLT SYNC Signal Output of the Slat IPPU to the FWC2	279 ALL	
Loss of the LH SLT SYNC Signal Output of the Slat IPPU to the FWC 1	280 ALL	
Loss of the RH SLT SYNC Signal Output of the Slat IPPU to the FWC 1	281 ALL	
Loss of the LH FLP SYNC Signal Output by the FWC 1	282 ALL	
Loss of the LH FLP SYNC Signal Output of the Flap IPPU to the FWC2	283 ALL	
Loss of the RH FLP SYNC Signal Output by the FWC 1	284 ALL	
Loss of the RH FLP SYNC Signal Output of the Flap IPPU to the FWC2	285 ALL	
Loss of the LH FLP SYNC Signal Output of the Flap IPPU to the FWC	286 ALL	
Loss of the RH FLP SYNC Signal Output of the Flap IPPU to the FWC 1	287 ALL	
Loss of the CFDIU Output Bus by the FWC 1	288 ALL	
Loss of the CFDIU Output Bus by	289 ALL	
the FWC 2 Loss of the CIDS-SDF1 or SDCU	290 ALL	

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SUBJECT Channel 1 Bus Detected by the FWC	CH/SE/SU	<u>C</u> <u>P</u>	AGE EFFECTIVITY
1 Loss of the CIDS-SDF2 or SDCU Channel 2 Bus Detected by the FWC		2	291 ALL
1 Loss of the CIDS-SDF1 or SDCU Channel 1 Bus Detected by the FWC		2	292 ALL
<pre>2 Loss of the CIDS-SDF2 or SDCU Channel 2 Bus Detected by the FWC 2</pre>		2	293 ALL
Loss of the input bus from the		2	294 ALL
SDAC 1 to the FWC 1 Loss of the input bus from the SDAC 1 to the FWC 2		2	295 ALL
Loss of the input bus from the SDAC 2 to the FWC 1		2	296 ALL
Loss of the input bus from the SDAC 2 to the FWC 2		2	297 ALL
Loss of the ARINC 429 ECP.B bus of the FWC 1		2	298 ALL
Loss of the ARINC 429 ECP.B bus of the FWC 2		2	299 ALL
FWC1 Inoperative		۸۵	200 ALL
FWC2 Inoperative			201 ALL
Loss of the TCAS Output Bus			202 ALL
Detected by the FWC1		A2	OZ ALL
Loss of the TCAS Input Bus Detected by the FWC1		AZ	204 ALL
Loss of the TCAS Output Bus Detected by the FWC2		A2	205 ALL
Loss of the TCAS Input Bus Detected by the FWC2		A2	207 ALL
Loss of the Bus Output from the GPSSU1 to the FWC1		AZ	208 ALL
Loss of the Bus Output from the GPSSU2 to the FWC1		A2	209 ALL
Loss of the Bus Output from the		AZ	210 ALL
GPSSU1 to the FWC2 Loss of the Bus Output from the		AZ	211 ALL
<pre>GPSSU2 to the FWC2 Loss of the Bus Output from the</pre>		A2	212 ALL
FWC2 detected by the CFDIU			
Loss of the Bus Output from the		AZ	213 ALL
FWC2 detected by the DMC3 Failure of the CAPT MASTER WARN		A2	215 ALL

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Light Failure of the F/O MASTER WARN			A217	ALL
Light Failure of the CAPT MASTER CAUT			A219	ALL
Light Failure of the F/O MASTER CAUT			A221	
Light				
Failure of the CAPT AUTO LAND Warning Light			A223	ALL
Failure of the F/O AUTO LAND Warning Light			A225	ALL
Failure of the Captain Loud Speaker			A227	ALL
Failure of the First Officer Loud			A232	ALL
Speaker Loss of the LH FLP SYNC Signal			A238	ALL
Output by the FWC2 Loss of the LH SLT SYNC Signal			A239	ALL
Output by the FWC2 Loss of the RH FLP SYNC Signal			A240	ALL
Output by the FWC2 Loss of the RH SLT SYNC Signal			A241	ALL
Output by the FWC2				
Loss of the ATSU BUS of the FWC1			A242	429-475, 481-499
Loss of the ATSU BUS of the FWC2			A244	503-549, 551-599 247-275, 287-299 429-475, 481-499 503-549, 551-599
Loss of the SATCOM BUS of the FWC1			A246	
Loss of the SATCOM BUS of the FWC2			A248	ALL
<pre>Detection of incorrect AOA value from the ADR1 to the FWC1</pre>			A250	ALL
<pre>Detection of incorrect AOA value from the ADR2 to the FWC1</pre>			A251	ALL
Detection of incorrect AOA value from the ADR3 to the FWC1			A252	ALL
Detection of incorrect AOA value from the ADR1 to the FWC2			A253	ALL
Detection of incorrect AOA value			A254	ALL
from the ADR2 to the FWC2 Detection of incorrect AOA value			A255	ALL
from the ADR3 to the FWC2 Unwanted (Spurious)			A256	ALL
Warnings/Indications from the FWC No FWC Call-Out Announcements			A257	ALL

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SUBJECT Only MASTER or WARN or CAUT section(s) of MASTER CAUT or/and MASTER WARN Lights on Loss of the Data Output Bus of the FWC1 Loss of the Data Output Bus of the FWC2	CH/SE/SU	<u>C</u>	PAGE A259 A261 A262	ALL
SDAC - ACQUISITION/INTERFACE FAULT ISOLATION PROCEDURES Loss of the ARINC 429 Bus 1 Output	31-54-00		201 201	ALL ALL
of the SDAC 2 Loss of the ARINC 429 Bus 2 Output of the SDAC 2				ALL
Failure of the SDAC 2 Loss of the ARINC 429 Bus 1 Output of the SDAC 1				ALL ALL
Loss of the ARINC 429 Bus 2 Output of the SDAC 1			206	ALL
Failure of the SDAC 1 Loss of the L Yellow Brake Pressure-Transducer Input of the SDAC 1			207 209	ALL ALL
Loss of the L Yellow Brake Pressure-Transducer Input of the SDAC 2			210	ALL
Loss of the L Yellow Brake Pressure-Transducer Input of the SDAC 1 and SDAC 2			211	ALL
Loss of the R Yellow Brake Pressure-Transducer Input of the SDAC 1			212	ALL
Loss of the R Yellow Brake Pressure-Transducer Input of the SDAC 2			213	ALL
Loss of the R Yellow Brake Pressure-Transducer Input of the SDAC 1 and SDAC 2			214	ALL
Loss of the ENG 1 OIL QTY Input of the SDAC 1				ALL
Loss of the ENG 1 OIL QTY Input of the SDAC 2 Loss of the ENG 2 OIL QTY Input of				ALL
the SDAC 1 Loss of the ENG 2 OIL QTY Input of the SDAC 2			221	ALL

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Loss of the ENG 1 OIL PRESS Input	223 ALL
of the SDAC 1	
Loss of the ENG 1 OIL PRESS Input	224 ALL
of the SDAC 2 Loss of the ENG 2 OIL PRESS Input	225 ALL
of the SDAC 1	223 ALL
Loss of the ENG 2 OIL PRESS Input	226 ALL
of the SDAC 2	
Loss of the BLUE RSVR QTY Input of	227 ALL
the SDAC 1	200
Loss of the BLUE RSVR QTY Input of	229 ALL
the SDAC 2 Loss of the GREEN RSVR QTY Input	231 ALL
of the SDAC 1	231 ALL
Loss of the GREEN RSVR QTY Input	233 ALL
of the SDAC 2	
Loss of the YELLOW RSVR QTY Input	235 ALL
of the SDAC 1	
Loss of the YELLOW RSVR QTY Input	237 ALL
of the SDAC 2 Loss of the GREEN SYS PRESS Input	239 ALL
of the SDAC 1	237 ALL
Loss of the GREEN SYS PRESS Input	240 ALL
of the SDAC 2	
Loss of the YELLOW RSVR TEMP Input	241 ALL
of the SDAC 1	
Loss of the YELLOW RSVR TEMP Input	242 ALL
of the SDAC 2 Loss of the BLUE SYS PRESS Input	243 ALL
of the SDAC 1	243 ALL
Loss of the BLUE SYS PRESS Input	244 ALL
of the SDAC 2	
Loss of the YELLOW SYS PRESS Input	245 ALL
of the SDAC 1	
Loss of the YELLOW SYS PRESS Input	246 ALL
of the SDAC 2 Loss of the OXYGEN HP Input of the	247 ALL
SDAC 1	241 ALL
Loss of the OXYGEN HP Input of the	248 ALL
SDAC 2	
Loss of the ACHC Bus of the SDAC 1	249 251-251,
Loss of the ACHC Bus of the SDAC 2	250 251-251,
Loss of the BCL 2 Bus of the SDAC	251 ALL
1 Loss of the BCL 2 Bus of the SDAC	257 ALI
2	253 ALL
L	

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SUBJECT CALL BOLLA B. CALL BOLL	CH/SE/SU	<u>c</u>	PAGE EFFECTIVITY
Loss of the BCL 1 Bus of the SDAC 1			255 ALL
Loss of the BCL 1 Bus of the SDAC 2			257 ALL
Loss of the BMC 2 Bus of the SDAC			259 ALL
Loss of the BMC 2 Bus of the SDAC			260 ALL
2 Loss of the BMC 1 Bus of the SDAC			261 ALL
1 Loss of the BMC 1 Bus of the SDAC			262 ALL
2 Loss of the ECB Bus of the SDAC 1			263 ALL
Loss of the ECB Bus of the SDAC 2			264 ALL
Loss of the BLUE RSVR TEMP Input of the SDAC 1			265 ALL
Loss of the BLUE RSVR TEMP Input of the SDAC 2			266 ALL
Loss of the GREEN RSVR TEMP Input			267 ALL
of the SDAC 1 Loss of the GREEN RSVR TEMP Input			268 ALL
of the SDAC 2			
Loss of the SFCC 1 Bus of the SDAC			269 ALL
Loss of the SFCC 1 Bus of the SDAC			270 ALL
Loss of the SFCC 2 Bus of the SDAC			271 ALL
1 Loss of the SFCC 2 Bus of the SDAC			272 ALL
<pre>2 Loss of the EMER GEN VOLTAGE and</pre>			273 ALL
FREQ Input of the SDAC 1			
Loss of the EMER GEN VOLTAGE and FREQ Input of the SDAC 2			274 ALL
Loss of the TR 2 CURRENT Bus of the SDAC 1			275 ALL
Loss of the TR 2 CURRENT Bus of			276 ALL
the SDAC 2 Loss of the TR 2 VOLTAGE Input of			277 ALL
the SDAC 1 Loss of the TR 2 VOLTAGE Input of			278 ALL
the SDAC 2 Loss of the TR 1 CURRENT Bus of			279 ALL
the SDAC 1			
Loss of the TR 1 CURRENT Bus of the SDAC 2			280 ALL

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SUBJECT TR. 4 VOLTAGE To a 4 of	CH/SE/SU	<u>c</u>		EFFECTIVITY
Loss of the TR 1 VOLTAGE Input of the SDAC 1			281	ALL
Loss of the TR 1 VOLTAGE Input of the SDAC 2			282	ALL
Loss of the ESS TRU CURRENT Bus of the SDAC 1			283	ALL
Loss of the ESS TRU CURRENT Bus of			284	ALL
the SDAC 2 Loss of the ESS TRU VOLTAGE Input			285	ALL
of the SDAC 1 Loss of the ESS TRU VOLTAGE Input of the SDAC 2			286	ALL
Loss of the EVMU Bus of the SDAC 1			287	ALL
Loss of the EVMU Bus of the SDAC 2			288	
Loss of the TPIS Bus of the SDAC 1				251-251,
Loss of the TPIS Bus of the SDAC 2			290	
Loss of the ACCELEROMETER Input of			291	
the SDAC 1			2/1	ALL
Loss of the ACCELEROMETER Input of the SDAC 2			293	ALL
Failure of the Three Axis Accelerometer			295	ALL
Loss of the BSCU Bus 1 of the SDAC			297	ALL
Loss of the BSCU Bus 2 of the SDAC 2			298	ALL
Loss of the BSCU Bus 3 of the SDAC			299	ALL
Loss of the BSCU Bus 4 of the SDAC 2			A200	ALL
Loss of the GCU 2/EGIU 2 Bus of the SDAC 1			A201	201-225, 227-227 229-253, 276-299 426-450, 476-499 503-549, 551-599 701-749,
Loss of the GCU 2/EGIU 2 Bus of the SDAC 2			A202	-
Loss of the GCU 1/EGIU 1 Bus of the SDAC 1			A203	•
Loss of the GCU 1/EGIU 1 Bus of			A204	•

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SUBJECT	CH/SE/SU	C PAG	E EFFECTIVITY
the SDAC 2			229-253, 276-299
			426-450, 476-499
			503-549, 551-599
Loca of the CDCU/ECTU 1 Bug of the		A20	701-749,
Loss of the GPCU/EGIU 1 Bus of the SDAC 1		A20	5 201-225, 227-227 229-253, 276-299
SURC 1			426-450, 476-499
			503-549, 551-599
			701-749,
Loss of the GPCU/EGIU1 Bus of the		A20	
SDAC 2			229-253, 276-299
			426-450, 476-499
			503-549, 551-599
Languet the DACK 4 CONT Due on the		*20	701-749,
Loss of the PACK 1 CONT Bus or the ACSC1 Bus to the SDAC 1		A20	7 ALL
Loss of the PACK 1 CONT Bus or the		Δ2 Π	9 ALL
ACSC1 Bus to the SDAC 2		ALU	/ ALL
Loss of the PACK 2 CONT Bus or the		A21	1 ALL
ACSC2 Bus to the SDAC 1			
Loss of the PACK 2 CONT Bus or the		A21	3 ALL
ACSC2 Bus to the SDAC 2			
Loss of the APU/EGIU 2 Bus of the		A21	-
SDAC 1			229-253, 276-299
			426-450, 476-499 503-549, 551-599
			701-749,
Loss of the APU/EGIU 2 Bus of the		A21	
SDAC 2			229-253, 276-299
			426-450, 476-499
			503-549, 551-599
			701-749,
Loss of the Synchro Signal of the		A21	7 ALL
Rudder Position Transducer Unit by the SDAC 1			
Loss of the Synchro Signal of the		Δ21	8 ALL
Rudder Position Transducer Unit by		ALI	O ALL
the SDAC 2			
Failure of the Rudder Position		A21	9 ALL
Transducer Unit			
Loss of the Output Bus 1 of the		A22	1 ALL
Zone Temperature Controller by the			
SDAC 1			2 411
Loss of the Output Bus 2 of the		A22	2 ALL
Zone Temperature Controller by the SDAC 1			
JUNC I			

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SUBJECT Loss of the Output Bus 1 of the	CH/SE/SU	<u>c</u>	PAGE EFFECTIVITY ALL
Zone Temperature Controller by the SDAC 2 Loss of the Output Bus 2 of the			A224 ALL
Zone Temperature Controller by the SDAC 2			NELY NEE
Failure of the SDAC1 and SDAC2			A225 ALL
SDAC 1 Inoperative			A226 ALL
SDAC 2 Inoperative			A227 ALL
Unwanted Tripping of a Circuit Breaker on Rows J thru M			A228 ALL
Unwanted Tripping of a Circuit Breaker on Rows N thru R			A230 ALL
Unwanted Tripping of a Circuit Breaker on Rows S thru V			A232 ALL
Unwanted Tripping of a Circuit Breaker on Rows W thru Z			A234 ALL
Unwanted Tripping of a Circuit Breaker on the Overhead C/B Panel			A236 ALL
Unwanted Tripping of a Circuit Breaker on the AC/DC Emergency Power Center			A239 ALL
Unwanted Tripping of a Circuit Breaker on the Battery Power Center			A241 ALL
Failure of the SDAC 1 Pin Programming			A243 ALL
Failure of the SDAC 2 Pin Programming			A244 ALL
Loss of One Analog Output of the Cabin Pressure Controller 1 to the SDAC 1			A245 ALL
Loss of One Analog Output of the Cabin Pressure Controller 1 to the SDAC 2			A247 ALL
Loss of the Bus of the Cabin Pressure Controller 1 by the SDAC1			A249 ALL
Loss of the Bus of the Cabin Pressure Controller 1 by the SDAC2			A250 ALL
Loss of the Bus of the Cabin Pressure Controller 2 by the SDAC1			A251 ALL
Loss of the Bus of the Cabin Pressure Controller 2 by the SDAC2			A252 ALL
Loss of the Output Buses 1+2 of the Zone Temperature Controller by the SDAC 1			A253 ALL

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SUBJECT Loss of the Output Buses 1+2 of	CH/SE/SU	<u>c</u>	PAGE A254	EFFECTIVITY ALL
the Zone Temperature Controller by the SDAC 2				
Loss of the SFCC 1 and SFCC 2 Buses of the SDAC 1			A255	ALL
Loss of the SFCC 1 and SFCC 2 Buses of the SDAC 2			A257	ALL
Loss of the BSCU Buses 1+2 of the SDAC 1			A259	ALL
Loss of the BSCU Buses 1+2 of the SDAC 2			A260	ALL
Loss of the BMC 1 and BMC 2 Buses of the SDAC 1			A261	ALL
Loss of the BMC 1 and BMC 2 Buses of the SDAC 2			A262	ALL
Failure of the SDAC2			A263	ALL
Failure of the SDAC1			A264	
Loss of the GCU1 Bus of the SDAC1				254-275, 451-475
Loss of the GCU1 Bus of the SDAC2				254-275, 451-475
Loss of the GCU2 Bus of the SDAC1				254-275, 451-475
Loss of the GCU2 Bus of the SDAC2				254-275, 451-475
Loss of the GAPCU Bus of the SDAC1				254-275, 451-475
Loss of the GAPCU Bus of the SDAC2				254-275, 451-475
Unwanted Display of the CABIN			A273	-
READY Memo			ALIJ	ALL
Loss of the YELLOW RSVR QTY Input			A275	ΔII
of the SDAC 1 and SDAC 2			ALIJ	ALL
Loss of the BLUE RSVR QTY Input of			A276	ALI
the SDAC 1 and SDAC 2			ALIU	ALL
			A277	A
Loss of the GREEN RSVR QTY Input			AZII	ALL
of the SDAC 1 and SDAC 2 Loss of the YELLOW RSVR TEMP Input			4270	A
·			A278	ALL
of the SDAC 1 and SDAC 2			4270	A
Loss of the BLUE RSVR TEMP Input			A279	ALL
of the SDAC 1 and SDAC 2				
Loss of the GREEN RSVR TEMP Input			A280	ALL
of the SDAC 1 and SDAC 2				
SYSTEM DATA ACQUISITION CONCENTRATOR	31-55-00			
(SDAC)			001	
FAULT ISOLATION PROCEDURES				ALL
Unwanted (Spurious)			201	ALL
Warnings/Indications involving the				
SDAC				
FCAM CONTROL DANEL	74 E/ 00			
ECAM CONTROL PANEL	31-56-00			

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SUBJECT FAULT ISOLATION PROCEDURES Failure of the ECAM Control Panel TO CONFIG TEST Inoperative	CH/SE/SU	<u>c</u>	201 201	EFFECTIVITY ALL ALL ALL
FAULT ISOLATION PROCEDURES Loss of the Output Bus 2 of the ECAM Control Panel Failure of the ECAM Control Panel Loss of the input bus 1 by the ECAM control panel Loss of the input bus 2 by the ECAM control panel	31-61-00		201 202 204	ALL ALL ALL ALL
PISPLAY MANAGEMENT COMPUTER (DMC) FAULT ISOLATION PROCEDURES Loss of the Highspeed Bus Output Detected by the FWC 2 from the DMC 3 (DMC 2 Switched to DMC 3) Loss of the Highspeed Bus Output Detected by the ECAM Control Panel from the DMC 3 (DMC 2 Switched to the DMC 3)	31-63-00		201	ALL ALL
Loss of the L/DMC Bus Input by the FWC 1 Loss of the L/DMC Bus Input by the FWC 2				ALL
Loss of the R/DMC Bus Input by the FWC 1 Loss of the R/DMC Bus Input by the FWC 2			207	ALL
Loss of the High Speed Bus Output from the DMC 1 Detected by the ECAM Control Panel Loss of the High Speed Bus Output from the DMC 1 Detected by the FWC				ALL
2 Loss of the High Speed Bus Output from the DMC 2 Detected by the FWC 1			210	ALL
Loss of the High Speed Bus Output from the DMC 1 Detected by the FWC 1 Loss of the High Speed Bus Output from the DMC 3 (DMC 2 Switched to				ALL
DMC 3) Detected by the FWC 1				

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SUBJECT Loss of the High Speed Bus Output	CH/SE/SU C PAGE EFFECTIVITY 214 ALL
from the DMC 2 detected by the ECAM Control Panel Loss of the High Speed Bus Output from the DMC 2 Detected by the FWC	215 ALL
<pre>2 Loss of the High Speed Bus Output from the DMC 3 (DMC 1 Switched to</pre>	216 ALL
DMC 3) Detected by the FWC 1 Loss of the High Speed Bus Output from the DMC 3 (DMC 1 Switched to	217 ALL
DMC 3) Detected by the ECAM Control Panel Loss of the High Speed Bus Output from the DMC 3 (DMC 1 Switched to	218 ALL
DMC 3) Detected by the FWC 2 Loss of the ADC 1 Output Bus by the DMC 1	219 ALL
Loss of the ADC 3 Output Bus by the DMC 1	221 ALL
Loss of the ADF 1 Output Bus by	223 ALL
the DMC 1 Loss of the ADF 2 Output Bus by the DMC 1	224 251-251, 426-450 456-499, 503-549 551-599,
Loss of the ATC 1 Output Bus by the DMC 1	227 ALL
Loss of the ATC 2 Output Bus by	228 ALL
the DMC 1 Loss of the DME 1 Output Bus by	229 ALL
the DMC 1 Loss of the DME 2 Output Bus by	230 ALL
the DMC 1 Loss of the ADC 2 Output Bus by	231 ALL
the DMC 2 Loss of the ADC 3 Output Bus by	233 ALL
the DMC 2 Loss of the ADF 1 Output Bus by	235 ALL
the DMC 2 Loss of the ADF 2 Output Bus by the DMC 2	236 251-251, 426-450 456-499, 503-549 551-599,
Loss of the ATC 1 Output Bus by	238 ALL
the DMC 2 Loss of the ATC 2 Output Bus by the DMC 2	239 ALL

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Loss of the DME 1 Output Bus by the DMC 2			240	ALL
Loss of the DME 2 Output Bus by the DMC 2			242	ALL
Loss of the ADC 1 Output Bus by			243	ALL
the DMC 3 Loss of the ADC 3 Output Bus by			245	ALL
the DMC 3 Loss of the ADF 1 Output Bus by			247	ALL
the DMC 3				
Loss of the ADF 2 Output Bus by the DMC 3			248	251-251, 426-450 456-499, 503-549 551-599,
Loss of the ATC 1 Output Bus by			250	ALL
the DMC 3 Loss of the ATC 2 Output Bus by the DMC 3			251	ALL
Loss of the DME 1 Output Bus by the DMC 3			252	ALL
Loss of the DME 2 Output Bus by the DMC 3			253	ALL
Loss of the ADC 2 Output Bus by the DMC 3			254	ALL
Loss of the ILS1 (MMR1) Output Bus			256	ALL
by the DMC 1 Loss of the ILS2 (MMR2) Output Bus			258	ALL
by the DMC 1 Loss of the IRS 1 Output Bus by			240	ALL
the DMC 1				
Loss of the IRS 3 Output Bus by the DMC 1			262	ALL
Loss of the RA 1 Output Bus by the DMC 1			264	ALL
Loss of the RA 2 Output Bus by the DMC 1			265	ALL
Loss of the VOR 1 Output Bus by the DMC 1			266	ALL
Loss of the VOR 2 Output Bus by the DMC 1			267	ALL
Loss of the ILS1 (MMR1) Output Bus			268	ALL
by the DMC 2 Loss of the ILS2 (MMR2) Output Bus			270	ALL
by the DMC 2 Loss of the I RS 2 O utput B us by			272	ALL
the DMC 2 Loss of the IRS 3 Output Bus by			274	ALL

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the DMC 2 Loss of the RA 1 Output Bus by the			276	ALL
DMC 2 Loss of the RA 2 Output Bus by the			277	ALL
DMC 2 Loss of the VOR 1 Output Bus by			278	ALL
the DMC 2 Loss of the VOR 2 Output Bus by			279	ALL
the DMC 2 Loss of the ILS1 (MMR1) Output Bus			280	ALL
by the DMC 3 Loss of the ILS2 (MMR2) Output Bus			282	ALL
by the DMC 3			202	ALL
Loss of the IRS 1 Output Bus by the DMC 3			284	ALL
Loss of the IRS 3 Output Bus by the DMC 3			285	ALL
Loss of the RA 1 Output Bus by the DMC 3			288	ALL
Loss of the RA 2 Output Bus by the DMC 3			289	ALL
Loss of the VOR 1 Output Bus by			290	ALL
the DMC 3 Loss of the VOR 2 Output Bus by			291	ALL
the DMC 3 Loss of the IRS 2 Output Bus by			292	ALL
the DMC 3 Loss of the ECU 1 Channel A Output			294	ALL
Bus by the DMC 1 Loss of the ECU 1 Channel B Output			295	ALL
Bus by the DMC 1 Loss of the ECU 2 Channel A Output			296	ALL
Bus by the DMC 1 Loss of the ECU 2 Channel B Output			297	ALL
Bus by the DMC 1 Loss of the EEC 1 Channel A Output			298	456-475,
Bus by the DMC 1 Loss of the EEC 1 Channel B Output			299	456-475,
Bus by the DMC 1				•
Loss of the EEC 2 Channel A Output Bus by the DMC 1			A200	456-475,
Loss of the EEC 2 Channel B Output Bus by the DMC 1			A201	456-475,
Loss of the ECU 1 Channel A Output Bus by the DMC 2			A202	ALL
Loss of the ECU 1 Channel B Output			A204	ALL

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SUBJECT	CH/SE/SU C	PAGE	EFFECTIVITY
Bus by the DMC 2 Loss of the ECU 2 Channel A Output		A205	ΔΙΙ
Bus by the DMC 2		ALOJ	ALL
Loss of the ECU 2 Channel B Output		A206	ALL
Bus by the DMC 2 Loss of the EEC 1 Channel A Output		A207	456-475,
Bus by the DMC 2		AZUI	430-413,
Loss of the EEC 1 Channel B Output		A208	456-475,
Bus by the DMC 2		A209	456-475,
Loss of the EEC 2 Channel A Output Bus by the DMC 2		AZU7	430-473,
Loss of the EEC 2 Channel B Output		A210	456-475,
Bus by the DMC 2			
Loss of the ECU 1 Channel A Output Bus by the DMC 3		A211	ALL
Loss of the ECU 1 Channel B Output		A213	ALL
Bus by the DMC 3			
Loss of the ECU 2 Channel A Output Bus by the DMC 3		A214	ALL
Loss of the ECU 2 Channel B Output		A215	ALL
Bus by the DMC 3			
Loss of the EEC 1 Channel A Output Bus by the DMC 3		A216	456-475,
Loss of the EEC 1 Channel B Output		A217	456-475,
Bus by the DMC 3			/F/ /7F
Loss of the EEC 2 Channel A Output Bus by the DMC 3		A218	456-475,
Loss of the EEC 2 Channel B Output		A219	456-475,
Bus by the DMC 3			
Loss of the FAC 1 Output Bus by the DMC 2		A220	ALL
Loss of the FAC 2 Output Bus by		A222	ALL
the DMC 2			
Loss of the FCU 2 Channel A Output Bus by the DMC 2		A224	ALL
Loss of the FCU 2 Channel B Output		A225	ALL
Bus by the DMC 2			
Loss of the FGC 1 Output Bus by the DMC 2		A226	ALL
Loss of the FGC 2 Output Bus by		A227	ALL
the DMC 2			
Loss of the FMC 2 Output Bus by the DMC 2		A228	ALL
Loss of the FMC 1 Output Bus by		A229	ALL
the DMC 2		.070	
Loss of the FMC 2 Output Bus by		A230	ALL

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SUBJECT	CH/SE/SU	<u>C</u>	PAGE EFFECTIVITY
the DMC 3 Loss of the FAC 1 Output Bus by			A231 ALL
the DMC 1 Loss of the FAC 2 Output Bus by			A233 ALL
the DMC 1 Loss of the FCU 1 Channel A Output			A235 ALL
Bus by the DMC 1 Loss of the FCU 1 Channel B Output Bus by the DMC 1			A236 ALL
Loss of the FGC 1 Output Bus by the DMC 1			A237 ALL
Loss of the FGC 2 Output Bus by the DMC 1			A238 ALL
Loss of the FMC 1 Output Bus by the DMC 1			A239 ALL
Loss of the FMC 2 Output Bus by the DMC 1			A240 ALL
Loss of the TCAS Input Bus by the DMC 1			A241 ALL
Loss of the TCAS Input Bus by the DMC 2			A242 ALL
Loss of the TCAS Input Bus by the DMC 3			A243 ALL
Loss of the WXR 1 Output Bus by the DMC 1			A244 ALL
Loss of the WXR 1 Output Bus by the DMC 2			A245 ALL
Loss of the WXR 1 Output Bus by the DMC 3			A246 ALL
Loss of the FQI 1 Output Bus by the DMC 3			A247 ALL
Loss of the FQI 2 Output Bus by the DMC ${f 3}$			A249 ALL
Loss of the LGCIU 1 Output Bus by the DMC 3			A251 ALL
Loss of the LGCIU 2 Output Bus by the DMC 3			A253 ALL
Loss of the FCDC 1 Output Bus by the DMC 3			A254 ALL
Loss of the FCDC 2 Output Bus by the DMC ${f 3}$			A255 ALL
Loss of the input bus from the SDAC 1 to the DMC 1			A256 ALL
Loss of the input bus from the SDAC 1 to the DMC 2			A258 ALL
Loss of the input bus from the			A260 ALL

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SUBJECT	CH/SE/SU	<u>c</u>	PAGE EFFECTIVITY
SDAC 1 to the DMC 3 Loss of the input bus from the			A262 ALL
SDAC 2 to the DMC 1			
Loss of the input bus from the SDAC 2 to the DMC 2			A264 ALL
Loss of the input bus from the SDAC 2 to the DMC 3			A266 ALL
Loss of the FQI 1 Output Bus by			A268 ALL
the DMC 1 Loss of the FQI 2 O utput B us by			A270 ALL
the DMC 1 Loss of the LGCIU 1 Output Bus by			A272 ALL
the DMC 1			
Loss of the LGCIU 2 Output Bus by the DMC 1			A274 ALL
Loss of the FCDC 1 Output Bus by			A275 ALL
the DMC 1 Loss of the FCDC 2 Output Bus by			A276 ALL
the DMC 1 Loss of the FQI 1 Output Bus by			A277 ALL
the DMC 2 Loss of the FQI 2 Output Bus by			A279 ALL
the DMC 2			
Loss of the LGCIU 1 Output Bus by the DMC 2			A281 ALL
Loss of the LGCIU 2 Output Bus by the DMC 2			A283 ALL
Loss of the FCDC 1 Output Bus by			A284 ALL
the DMC 2 Loss of the FCDC 2 Output Bus by			A285 ALL
the DMC 2 Loss of the FAC 1 Output Bus by			A286 ALL
the DMC 3			
Loss of the FAC 2 Output Bus by the DMC 3			A288 ALL
Loss of the FCU 1 Channel A Output Bus by the DMC 3			A290 ALL
Loss of the FCU 1 Channel B Output			A291 ALL
Bus by the DMC 3 Loss of the FGC 1 Output Bus by			A292 ALL
the DMC 3 Loss of the FGC 2 Output B us by			A293 ALL
the DMC 3			
Loss of the FCU 2 Channel A Output Bus by the DMC 3			A294 ALL
Loss of the FCU 2 Channel B Output			A295 ALL

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SUBJECT	CH/SE/SU	<u>c</u>	PAGE	EFFECTIVITY
Bus by the DMC 3 Loss of the FMC 1 Output Bus by			A296	ALI
the DMC 3			AZ 70	ALL
Loss of the ECAM CTL PNL input bus			A297	ALL
of the DMC 1 Loss of the ECAM CTL PNL input bus			A298	ΔΙΙ
of the DMC 2				
Loss of the ECAM CTL PNL input bus of the DMC 3			A299	ALL
Loss of the message bus RS422			B200	ALL
between the FWC 1 and the DMC 1			D202	A11
Loss of the message bus RS422 between the FWC 1 and the DMC 2			B202	ALL
Loss of the message bus RS422			B204	ALL
between the FWC 1 and the DMC 3 Loss of Message Bus RS422 between			B206	ΔII
the FWC 2 and the DMC 1				
Loss of Message Bus RS422 Between the FWC 2 and the DMC 2			B208	ALL
Loss of Message Bus R\$422 between			B210	ALL
the FWC 2 and the DMC 3			D242	
Loss of the ARINC 429 Link between the FWC2 and the DMC2			B212	ALL
Loss of the ARINC 429 FWC2 Input			B214	ALL
of the DMC1			D247	A11
Loss of the ARINC 429 Link from the FWC2 to the DMC3			B216	ALL
Loss of the ILS 1 Test Display			B218	201-225, 227-227
				229-245, 276-299
Loss of the ILS 2 Test Display			B220	426-428, 476-478 201-225, 227-227
Loss of the ILS 2 lest Display			BZZU	229-245, 276-299
				426-428, 476-478
No EFIS Data with EIS DMC Selector			B221	-
Switch at CAPT/3 and/or $F/0/3$				
Loss of the Indication on one CRT			B224	ALL
(Diagonal)				
EIS - Loss of the Red Gun			B225	ALL
DISPLAY MANAGEMENT COMPUTER (DMC)	31-63-81			
FAULT ISOLATION PROCEDURES			201	ALL
Failure of the DMC2 Pin			201	ALL
Programming				
Loss of F/O PFD or F/O ND or Lower			202	ALL
ECAM DU Image				
Failure of the Lower ECAM DU			204	ALL
Detected by the DMC2				

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SUBJECT Loss of the ENG1 N1 Indication on	CH/SE/SU	<u>c</u>		EFFECTIVITY ALL
the Upper ECAM DU Detected by the DMC3			203	ALL
Loss of the ENG2 N1 Indication on			207	ALL
the Upper ECAM DU Detected by the DMC				
Loss of the ENG1 N2 Indication on the Upper ECAM DU Detected by the			209	ALL
DMC3				
Loss of the ENG2 N2 Indication on the Upper ECAM DU Detected by the			211	ALL
DMC3 Failure of the DMC3 Pin			213	ALL
Programming				
Failure of One of the 6 DUs			214	ALL
Detected by the DMC3 Failure of the Upper ECAM DU			218	ALL
Detected by the DMC3				
Failure of the Lower ECAM DU Detected by the DMC2			220	ALL
Loss of the ENG1 N1 Indication on			222	ALL
the Upper ECAM DU Detected by the DMC1				
Loss of the ENG2 N1 Indication on			224	ALL
the Upper ECAM DU Detected by the DMC1				
Loss of the ENG1 N2 Indication on			226	ALL
the Upper ECAM DU Detected by the DMC1				
Loss of the ENG2 N2 Indication on			228	ALL
the Upper ECAM DU Detected by the DMC1				
Failure of the DMC1 Pin			230	ALL
Programming Loss of CAPT PFD or CAPT ND or			231	ALL
Upper ECAM DU Image			277	A. .
Failure of the Upper ECAM DU Detected by the DMC1			233	ALL
Failure of the F/O ND Pin Programming			235	ALL
Failure of the F/O PFD Pin			236	ALL
<pre>Programming Failure of the F/O ND Detected by</pre>			237	ALL
the DMC2				
Failure of the F/O PFD Detected by the DMC2			239	ALL

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SUBJECT Loss of the Attitude Information	CH/SE/SU	<u>c</u>		EFFECTIVITY ALL
on the CAPT PFD Detected by the DMC1 Loss of the Altitude Information			2/7	ALL
on the CAPT PFD Detected by the DMC1			243	ALL
Loss of the DSDL PFD MASTER or DSDL PFD FDBK Bus Detected by the DMC1			245	ALL
Failure of the Upper ECAM DU Pin Programming Detected by the DMC1			247	ALL
Loss of the ENG1 EGT Indication on the Upper ECAM DU Detected by the DMC1			248	ALL
Loss of the ENG2 EGT Indication on the Upper ECAM DU Detected by the			250	ALL
<pre>DMC1 Loss of the ENG1 Fuel Flow (FF) Indication on the Upper ECAM DU</pre>			252	ALL
<pre>Detected by the DMC1 Loss of the ENG2 Fuel Flow (FF) Indication on the Upper ECAM DU</pre>			254	ALL
Detected by the DMC1 Loss of the Attitude Information			256	ALL
on One PFD Detected by the DMC3 Loss of the Altitude Information			259	ALL
on One PFD Detected by the DMC3 Loss of the DSDL PFD MASTER or DSDL PFD FDBK Bus Detected by the			262	ALL
DMC3 Failure of the Upper ECAM DU Pin Programming Detected by the DMC3			265	ALL
Failure of the Lower ECAM DU Pin Programming Detected by the DMC3			266	ALL
Loss of the ENG1 EGT Indication on the Upper ECAM DU Detected by the DMC3			267	ALL
Loss of the ENG2 EGT Indication on the Upper ECAM DU Detected by the			269	ALL
DMC3 Loss of the ENG1 Fuel Flow (FF) Indication on the Upper ECAM DU			271	ALL
<pre>Detected by the DMC3 Loss of the ENG2 Fuel Flow (FF) Indication on the Upper ECAM DU Detected by the DMC3</pre>			273	ALL
•				

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SUBJECT Failure of the CAPT ND Pin	CH/SE/SU		E EFFECTIVITY 5 ALL
Programming Failure of the CAPT PFD Pin		27	6 ALL
Programming Failure of the CAPT ND Detected by		27	7 ALL
the DMC1 Failure of the CAPT PFD Detected by the DMC1		27	9 ALL
Failure of the CAPT ND Pin Programming Detected by the DMC3		28	1 ALL
Failure of the CAPT PFD Pin Programming Detected by the DMC3		28	2 ALL
Failure of the CAPT ND Detected by the DMC3		28	3 ALL
Failure of the CAPT PFD Detected by the DMC3			5 ALL
Failure of the F/O ND Pin Programming Detected by the DMC3			7 ALL
Failure of the F/O PFD Pin Programming Detected by the DMC3		28	
Failure of the F/O ND Detected by the DMC3			9 ALL
Failure of the F/O PFD Detected by the DMC3 Loss of the Attitude Information		29	1 ALL 3 ALL
on the F/O PFD Detected by the DMC2		2	J ALL
Loss of the Altitude Information on the F/O PFD Detected by the DMC2		29	5 ALL
Loss of the DSDL PFD MASTER or DSDL PFD FDBK Bus Detected by the		29	7 ALL
<pre>DMC2 Failure of the Lower ECAM DU Pin Programming Detected by the DMC2</pre>		29	9 ALL
Loss of the High Speed Bus Input Detected by the DMC1		A20	O ALL
Loss of the Low Speed Bus Input Detected by the DMC1		A20	1 ALL
Loss of the High Speed Bus Input Detected by the DMC2		A20	2 ALL
Loss of the Low Speed Bus Input Detected by the DMC2		A20	3 ALL
Loss of the High Speed Bus Output Detected by the DMC1			4 ALL
Loss of the Low Speed Bus Output		A20	5 ALL

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SUBJECT	CH/SE/SU	<u>c</u>	PAGE EFFECTIVITY
<pre>Detected by the DMC1 Loss of the High Speed Bus Output</pre>			A206 ALL
Detected by the DMC2			
Loss of the Low Speed Bus Output			A207 ALL
<pre>Detected by the DMC2 Loss of the TCAS Output Bus</pre>			A208 ALL
Detected by the DMC1			AZOO ALL
Loss of the TCAS Output Bus			A210 ALL
<pre>Detected by the DMC3 Loss of the TCAS Output Bus</pre>			A212 ALL
Detected by the DMC2			AZIZ ALL
Failure of the DMC1			A214 ALL
Failure of the DMC2			A215 ALL
Failure of the DMC3			A216 ALL
Failure of the Upper ECAM DU			A217 ALL
Failure of the Lower ECAM DU			A218 ALL
Failure of the CAPT ND			A219 ALL
Failure of the F/O ND			A220 ALL
Failure of the CAPT PFD			A221 ALL
Failure of the F/O PFD			A222 ALL
Loss of the ENG2 N2 Indication on			A223 ALL
the Upper ECAM DU by the DMC2			ALLS ALL
Loss of the Upper ECAM DU by the DMC2			A225 ALL
Loss of the Lower ECAM DU by the DMC1			A226 ALL
Failure of the Pin Programming of			A227 ALL
the Lower ECAM DU by the DMC1 Failure of the Pin Programming of			A228 ALL
the Upper ECAM DU by the DMC2			ALLO ALL
Loss of the ENG1 EGT Indication on			A229 ALL
the Upper ECAM DU by the DMC2 Loss of the ENG2 EGT Indication on			A231 ALL
the Upper ECAM DU by the DMC2			AZJI ALL
Loss of the ENG1 FF Indication on			A233 ALL
the Upper ECAM DU by the DMC2			407E ALI
Loss of the ENG2 FF Indication on the Upper ECAM DU by the DMC2			A235 ALL
Loss of the ENG1 N1 Indication on			A237 ALL
the Upper ECAM DU by the DMC2			
Loss of the ENG2 N1 Indication on			A239 ALL
the Upper ECAM DU by the DMC2			A241 ALL
Loss of the ENG1 N2 Indication on the Upper ECAM DU by the DMC2			AC41 ALL
Loss of the Weather Radar Picture			A243 560-560,
detected by DMC 2 when the ND is			

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SUBJECT	CH/SE/SU	<u>c</u>	<u>PAGE</u>	EFFECTIVITY
shown on the CAPT PFD DU Loss of the Weather Radar Picture detected by DMC 3 when the ND is			A246	560-560,
shown on the CAPT PFD DU Loss of the Weather Radar Picture detected by DMC 1 when the ND is			A249	560-560,
shown on the F/O PFD DU Loss of the Weather Radar Picture detected by DMC 2 when the ND is			A252	560-560,
shown on the F/O PFD DU Loss of the Weather Radar Picture detected by DMC 3 when the ND is			A255	560-560,
shown on the F/O PFD DU Loss of the Weather Radar Picture detected by DMC 1 when the ND is			A258	560-560,
shown on the CAPT ND DU Loss of the Weather Radar Picture detected by DMC 2 when the ND is			A261	560-560,
shown on the CAPT ND DU Loss of the Weather Radar Picture detected by DMC 3 when the ND is			A263	560-560,
shown on the CAPT ND DU Loss of the Weather Radar Picture detected by DMC 1 when the ND is shown on the F/O ND DU			A266	560-560,
Loss of the Weather Radar Picture detected by DMC 2 when the ND is shown on the F/O ND DU			A269	560-560,
Loss of the Weather Radar Picture detected by DMC 3 when the ND is shown on the F/O ND DU			A272	560-560,
DISPLAY MANAGEMENT COMPUTER (DMC)	31-63-82			
FAULT ISOLATION PROCEDURES			201	ALL
Loss of the CAPT PFD, CAPT ND and			201	ALL
Upper ECAM DU Loss of F/O PFD, F/O ND and Lower ECAM DU			203	ALL
Loss of the CAPT PFD			205	ALL
Loss of the CAPT ND				ALL
Loss of the Upper ECAM DU				ALL
Loss of the F/O PFD				ALL
Loss of the F/O ND				ALL
Loss of the Lower ECAM DU			230	ALL
Transfer of the CAPT PFD Image on			235	ALL
the CAPT ND not Possible				
Transfer of the F/O PFD Image on			237	ALL

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SUBJECT	CH/SE/SU	C	PAGE EFFECTIVITY
the F/O ND not Possible			
Transfer of the ECAM DU Image on			239 ALL
the CAPT ND not Possible			
Transfer of the ECAM DU Image on			242 ALL
the F/O ND not Possible			0 / -
Loss of the DMC2/3 DATA Detected			245 ALL
by the FWCs			2/7 111
Loss of the DMC1/3 DATA Detected			247 ALL
by the FWCs			

TROUBLE SHOOTING MANUAL

INDICATING/RECORDING SYSTEMS - FAULT SYMPTOMS

WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES		FAULT ISOLATION	
WARNINGS/ MALFORCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE

Upper ECAM DU Warnings

R	<u>C/B</u> TRIPPED L ELEC BAY					315400 PA239 T 810 926
R	C/B TRIPPED ON OVHD PNL					315400 PA236 T 810 925
R	C/B TRIPPED R ELEC BAY					315400 PA241 T 810 927
R	<u>C/B</u> TRIPPED REAR PNL J-M					315400 PA228 T 810 921
R	C/B TRIPPED REAR PNL N-R					315400 PA230 T 810 922
R	<u>C/B</u> TRIPPED REAR PNL S-V					315400 PA232 T 810 923
R	C/B TRIPPED REAR PNL W-Z					315400 PA234 T 810 924
	EIS DMC 1 FAULT	ECAM 1	ECP : NO DATA FROM DMC1 OR 3	316334	1	316300 P 208 T 810 809
		IDENT:	ECAM 1, ECAM 2			
	EIS DMC 1 FAULT	ECAM 1	FWC1 : NO DATA FROM DMC1 OR 3	316334	1	316300 P 211 T 810 812
		IDENT: E	ECAM 1, ECAM 2			
	EIS DMC 1 FAULT	ECAM 1	FWC2: NO DATA FROM DMC1 OR 3	316334	1	316300 P 209 T 810 810
		IDENT: 6	ECAM 1, ECAM 2			
	EIS DMC 1 FAULT	ECAM 2	ECP : NO DATA FROM DMC1 OR 3	316334	1	316300 P 208 T 810 809
	 	IDENT: E	ECAM 1, ECAM 2			

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CFDS FAULT MESSAGES WARNINGS/MALFUNCTIONS					FAULT ISOLATION	
	WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	!
	EIS DMC 1 FAULT	ECAM 2	FWC1 : NO DATA FROM DMC1 OR 3	316334	1	316300 P 211 T 810 812
		IDENT: I	ECAM 1, ECAM 2			
	EIS DMC 1 FAULT	ECAM 2	FWC2 : NO DATA FROM DMC1 OR 3	316334	1	316300 P 209 T 810 810
		IDENT: I	ECAM 1, ECAM 2			
R	EIS DMC 1 FAULT	EIS 2	DMC1	316334	1	316381 PA214 T 810 867
R	EIS DMC 1 FAULT	EIS 2	DMC1 associated with	316334	1	316381 PA214 T 810 867
		EIS 3	DMC1	316334	1	!!!
R	EIS DMC 1 FAULT	EIS 3	DMC1	316334	1	316381 PA214 T 810 867
	EIS DMC 2 FAULT	ECAM 1	ECP : NO DATA FROM DMC2 OR 3	316334	1	316300 P 214 T 810 814
		IDENT: I	ECAM 1, ECAM 2	-		
	EIS DMC 2 FAULT	ECAM 1	FWC1 : NO DATA FROM DMC2 OR 3	316334	1	316300 P 210 T 810 811
		IDENT: I	ECAM 1, ECAM 2	-		
	EIS DMC 2 FAULT	ECAM 1	FWC2: NO DATA FROM DMC2 OR 3	316334	1	316300 P 215 T 810 815
		IDENT: I	ECAM 1, ECAM 2			
	EIS DMC 2 FAULT	ECAM 2	ECP : NO DATA FROM DMC2 OR 3	316334	1	316300 P 214 T 810 814
		IDENT: I				
	EIS DMC 2 FAULT	ECAM 2	FWC1 : NO DATA FROM DMC2 OR 3	316334	1	316300 P 210 T 810 811
		IDENT: I	ECAM 1, ECAM 2			

FF :	ALL		
SROS			

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	WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES					
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	ISOLATION PROCEDURE		
	EIS DMC 2 FAULT	ECAM 2	FWC2 : NO DATA FROM DMC2 OR 3	316334	1	316300 P 215 T 810 815		
		IDENT:	ECAM 1, ECAM 2					
R	EIS DMC 2 FAULT	EIS 1	DMC2	316334	1	316381 PA215 T 810 868		
R	EIS DMC 2 FAULT	EIS 1	DMC2 associated with	316334	1	316381 PA215 T 810 868		
		EIS 3	DMC2	316334	1	!		
R	EIS DMC 2 FAULT	EIS 3	DMC2	316334	1	316381 PA215 T 810 868		
	EIS DMC 3 FAULT	ECAM 1	ECP : NO DATA FROM DMC1 OR 3	316334	1	316300 P 217 T 810 817		
		IDENT: E	ECAM 1, ECAM 2					
	EIS DMC 3 FAULT	ECAM 1	ECP : NO DATA FROM DMC2 OR 3	316334	1	316300 P 203 T 810 802		
		IDENT: E	ECAM 1, ECAM 2					
	EIS DMC 3 FAULT	ECAM 1	FWC1 : NO DATA FROM DMC1 OR 3	316334	1	316300 P 216 T 810 816		
		IDENT: E	ECAM 1, ECAM 2					
	EIS DMC 3 FAULT	ECAM 1	FWC1 : NO DATA FROM DMC2 OR 3	316334	1	316300 P 212 T 810 813		
		IDENT: E	IDENT: ECAM 1, ECAM 2					
	EIS DMC 3 FAULT	ECAM 1	FWC2 : NO DATA FROM DMC1 OR 3	316334	1	316300 P 218 T 810 818		
		IDENT: E						
	EIS DMC 3 FAULT	ECAM 1	FWC2: NO DATA FROM DMC2 OR 3	316334	1	316300 P 201 T 810 801		
		IDENT:	ECAM 1, ECAM 2					

FF:	ALL	
ROS		
		Printed in Franc

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HARNINGS (MALIFINGTIONS	CFDS FAULT MESSAGES				FAULT
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	АТА	С	ISOLATION PROCEDURE
EIS DMC 3 FAULT	ECAM 2	ECP : NO DATA FROM DMC1	316334	1	316300 P 217 T 810 817
	IDENT:	ECAM 1, ECAM 2			
EIS DMC 3 FAULT	ECAM 2	ECP : NO DATA FROM DMC2 OR 3	316334	1	316300 P 203 T 810 802
	IDENT:	ECAM 1, ECAM 2			
EIS DMC 3 FAULT	ECAM 2	FWC1 : NO DATA FROM DMC1	316334	1	316300 P 216 T 810 816
	IDENT:	ECAM 1, ECAM 2			
EIS DMC 3 FAULT	ECAM 2	FWC1 : NO DATA FROM DMC2	316334	1	316300 P 212 T 810 813
	IDENT:	ECAM 1, ECAM 2			
EIS DMC 3 FAULT	ECAM 2	FWC2 : NO DATA FROM DMC1	316334	1	316300 P 218 T 810 818
	IDENT:	ECAM 1, ECAM 2			
EIS DMC 3 FAULT	ECAM 2	FWC2 : NO DATA FROM DMC2	316334	1	316300 P 201 T 810 801
	IDENT:	ECAM 1, ECAM 2			
EIS DMC 3 FAULT	EIS 1	DMC3	316334	1	316381 PA216 T 810 869
EIS DMC 3 FAULT	EIS 1	DMC3 associated with	316334	1	316381 PA216 T 810 869
	EIS 2	DMC3	316334	1	!
EIS DMC 3 FAULT associated with STS-Maintenance DMC 2/3	EIS 1	DMC3	316334	1	316381 PA216 T 810 869
EIS DMC 3 FAULT associated with STS-Maintenance DMC 1/3	EIS 1	DMC3 associated with DMC3	316334 316334		316381 PA216 T 810 869

EFF :	ALL		
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TROUBLE SHOOTING MANUAL

	WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES				
	WARNINGS/MALFONCTIONS	SOURCE	MESSAGE	ATA	С	ISOLATION PROCEDURE	
	EIS DMC 3 FAULT	EIS 2	DMC3	316334	1	316381 PA216 T 810 869	
	EIS DMC 3 FAULT associated with STS-Maintenance DMC 2/3	EIS 2	DMC3	316334	1	316381 PA216 T 810 869	
	FWS FWC 1 FAULT associated with STATIC INV - No STAT INV indication					242800 P 207 T 810 802	
	<u>FWS</u> FWC 1 FAULT	ECAM 1	FWC1	315334	1	315300 P 205	
		ECAM 2	associated with FWC1	315334	1	Т 810 804	
		IDENT: (CFDS, EIS 1, EIS 2, EIS 3	<u> </u>			
R	FWS FWC 1 FAULT	ECAM 1	FWC2: NO DATA FROM OPPOSITE FWC	315334	1	315300 PA261 T 810 966	
	<u>FWS</u> FWC 1 FAULT	ECAM 2	FWC1	315334	1	315300 P 205	
		IDENT: (CFDS, EIS 1, EIS 2, EIS 3			Т 810 804	
	FWS FWC 1 FAULT	ECAM 2	FWC1 : PIN PROG FAIL	315334	1	315300 P 218 T 810 816	
	FWS FWC 2 FAULT	ECAM 1	FWC2	315334	1	315300 P 201 T 810 801	
		IDENT: (CFDS, EIS 1, EIS 2, EIS 3				
	FWS FWC 2 FAULT	ECAM 1	FWC2 : PIN PROG FAIL	315334	1	315300 P 219 T 810 817	
R	FWS FWC 2 FAULT	ECAM 2	FWC1: NO DATA FROM OPPOSITE FWC	315334	1	315300 PA262 T 810 967	
	FWS FWC 2 FAULT	ECAM 2 ECAM 1	FWC2 associated with FWC2	315334 315334		315300 P 201 T 810 801	
			CFDS, EIS 1, EIS 2, EIS 3	i	L		

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LIADNINGS (MALFUNGITONS		CFDS FAULT MESSAGES			
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	ISOLATION PROCEDURE
FWS OEB/FWC DISCREPANCY					315100 P 217 T 810 811
FWS SDAC 1 FAULT	ECAM 1	FWC1 : NO DATA FROM SDAC1 associated with	315534	1	315400 PA264 T 810 945
	ECAM 1	FWC2 : NO DATA FROM	315534	1	
FWS SDAC 1 FAULT	ECAM 1	FWC1 : NO DATA FROM SDAC1 associated with	315534	1	315400 PA264 T 810 945
	ECAM 1	!	315534	1	
		ECAM 1, ECAM 2, EIS 1, EIE	s 2,		
FWS SDAC 1 FAULT	ECAM 1	SDAC1	315534	1	315400 P 207 T 810 810
	IDENT:	ECAM 1, ECAM 2, EIS 1, EIE	s 2,		810 810
FWS SDAC 1 FAULT	ECAM 2	FWC1 : NO DATA FROM SDAC1	315534	1	315400 PA264 T 810 945
	ECAM 2	associated with FWC2 : NO DATA FROM SDAC1	315534	1	
FWS SDAC 1 FAULT	ECAM 2	SDAC1	315534	1	315400 PA264 T 810 945
	ECAM 2	associated with FWC2 : NO DATA FROM SDAC1	315534	1	
	!	ECAM 1, ECAM 2, EIS 1, EIS EIS 3	s 2,		
FWS SDAC 1 FAULT	ECAM 2	SDAC1	315534	1	315400 P 207
		ECAM 1, ECAM 2, EIS 1, EIE	s 2,		Т 810 810

EFF: ALL SROS Printed in France **31-ECAM**

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TROUBLE SHOOTING MANUAL

CFDS FAULT MESSAGES WARNINGS/MALFUNCTIONS					FAULT ISOLATION	
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!!	
FWS SDAC 1+2 FAULT	ECAM 1	NO DATA FROM SDAC1	315534	1	315400 PA225 T 810 918	
	ECAM 1	NO DATA FROM SDAC2	315534	1		
		ECAM 1, ECAM 2, EIS 1, EIS EIS 3	3 2,			
FWS SDAC 1+2 FAULT	ECAM 2	NO DATA FROM SDAC1 associated with	315534	1	315400 PA225 T 810 918	
	ECAM 2	!	315534	1		
		ECAM 1, ECAM 2, EIS 1, EIS EIS 3	3 2,			
FWS SDAC 2 FAULT	ECAM 1	SDAC2	315534	1	315400 P 203 T 810 803	
		ECAM 1, ECAM 2, EIS 1, EIS	5 2,		010 003	
FWS SDAC 2 FAULT	ECAM 2	FWC1: NO DATA FROM OPPOSITE FWC associated with	315334	1	315400 PA263 T 810 944	
	ECAM 1	FWC1 : NO DATA FROM	315534	1		
FWS SDAC 2 FAULT	ECAM 2	FWC1: NO DATA FROM OPPOSITE FWC	315334	1	315400 PA263 T 810 944	
	ECAM 1	associated with FWC1 : NO DATA FROM SDAC2	315534	1		
	IDENT:					
FWS SDAC 2 FAULT	ECAM 2	SDAC2	315534		315400 P 203 T 810 803	
	IDENT:		010 003			
RECORDER DFDR FAULT					313300 P 223 T 810 825	
RECORDER DFDR FAULT	FDIU	DFDR	313355	1	313300 P 201 T 810 801	

EFF: ALL

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION	
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	АТА	С		
RECORDER FDIU FAULT	DMU	FDIMU (10TV)	313634	3	313600 P 264 T 810 898	
RECORDER FDIU FAULT	DMU	FDIU (10TV) / FDIMU (10TV)	313634	3	313600 P 264 T 810 898	
RECORDER FDIU FAULT	FDIU	FDIU	313334	1	313300 P 204 T 810 802	

STS-Inop System

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FDIU	DMU	FDIMU (10TV)	313634	3	313600 P 264 T 810 898
RECORDER SYS					313600 P 264 T 810 898
RECORDER SYS	FDIU	FDIMU (10TV)	313634	2	313600 P 264 T 810 898

STS-Maintenance

R R	ACMS	DMU	ACQUI. BUS INTERFACE	313634	2	313600 P 201 T 810 801
R R	ACMS	DMU	CPU1/CPU2 SYNC. FAILURE	313634	2	313600 P 201 T 810 801
R R	ACMS	DMU	CPU1/CPU2 SYNCHRO	313634	2	313600 P 201 T 810 801
R R	ACMS	DMU	DAR EMISSION FAILUR	313634	2	313600 P 201 T 810 801
R R	ACMS	DMU	DAR MEDIA LOW	313652	2	313600 P 208 T 810 803
R R	ACMS	DMU	DIAL. BUS INTERFACE	313634	2	313600 P 201 T 810 801
R R	ACMS	DMU	DMU	313634	2	313600 P 201 T 810 801

EFF:	ALL		
SROS			

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TROUBLE SHOOTING MANUAL

	HADNINGS /MAL FUNCTIONS	 	CFDS FAULT MESSAGES				
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	ISOLATION PROCEDURE	
R R	ACMS	DMU	DMU	313634	3	313600 P 201 T 810 801	
R R	ACMS	DMU	DMU BATTERY	313634	3	313600 P 253 T 810 892	
R R	ACMS	DMU	DMU PCMCIA MEDIA	313634	2	313600 P 255 T 810 893	
R R	ACMS	DMU	DMU PCMCIA MEDIA DISK ACCESS ERROR	313634	2	313600 P 255 T 810 893	
R R	ACMS	DMU	DMU PCMCIA MEDIA DISK FORMATE ERROR	313634	2	313600 P 255 T 810 893	
R R	ACMS	DMU	DMU PCMCIA MEDIA DISK FULL	313634	2	313600 P 255 T 810 893	
R R	ACMS	DMU	DMU PCMCIA MEDIA INVALID PCMCIA MEDIA	313634	2	313600 P 255 T 810 893	
R R	ACMS	DMU	DMU PCMCIA MEDIA NO DISK INSERTED	313634	2	313600 P 255 T 810 893	
R R	ACMS	DMU	EEPROM FAILURE (CPU1)	313634	2	313600 P 201 T 810 801	
R R	ACMS	DMU	EPROM FAILURE (CPU2)	313634	2	313600 P 201 T 810 801	
R R	ACMS	DMU	EPROM I/O FAILURE (CPU1)	313634	2	313600 P 201 T 810 801	
R R	ACMS	DMU	FDIMU (10TV)	313634	2	313600 P 264 T 810 898	
R R	ACMS	DMU	FDIMU (10TV)	313634	3	313600 P 264 T 810 898	
R R	ACMS	DMU	FDIMU BATTERY (10TV)	313634	3	313600 P 268 T 810 899	
R R	ACMS	DMU	FDIMU PCMCIA MEDIA (10TV)	313634	2	313600 P 269 T 810 900	

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TROUBLE SHOOTING MANUAL

	WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION	
	WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE	
R R	ACMS	DMU	FLASH PROM FAIL (CPU1)	313634	2	313600 P 201 T 810 801	
R R	ACMS	DMU	FLASH PROM FAIL (CPU2)	313634	2	313600 P 201 T 810 801	
R R	ACMS	DMU	INVALID DATABASE	313634	3	313600 P 201 T 810 801	
R R	ACMS	DMU	INVALID OP SOFT	313634	2	313600 P 201 T 810 801	
R R	ACMS	DMU	INVALID OP. SOFTWARE	313634	3	313600 P 201 T 810 801	
R R	ACMS	DMU	POWER SUPPLY ALARM	313634	2	313600 P 201 T 810 801	
R R	ACMS	DMU	SAR MEMORY FAILURE	313634	2	313600 P 201 T 810 801	
R R	ACMS	DMU	SRAM FAILURE (CPU1)	313634	2	313600 P 201 T 810 801	
R R	ACMS	DMU	SRAM FAILURE (CPU2)	313634	2	313600 P 201 T 810 801	
	CFDIU	ATC 1	ATC1 : NO DATA FROM CFDIU	313234	2	313200 P 262 T 810 851	
] :	IDENT: ADF 1, ATC 1, DME 1, EIS 1, HF 1, ILS 1, RA 1, RADAR 1, RMP123, VHF 1, VOR 1				
	CFDIU	ATC 1	CFDIU (1TW) / ATC1 (1SH1)	313234	3	313200 P 262 T 810 851	
		IDENT: /					

EFF :	ALL			
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LIADNINGS (MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION	
WARNINGS/MALFUNCTIONS 	SOURCE	MESSAGE	АТА	C	!!!	
CFDIU	ATC 2	ATC2 : NO DATA FROM	313234	2	313200 PA200 T 810 875	
		IDENT: ADF 2, ATC 2, DME 2, EIS 2, HF 2, ILS 2, RA 2, RADAR 2, VHF 2, VOR 2				
CFDIU	ATC 2	CFDIU (1TW) / ATC2 (1SH2)	313234	3	313200 PA200 T 810 875	
		ADF 2, ATC 2, DME 2, EIS 2 ILS 2, RA 2, RADAR 2, VHF VOR 2		,		
CFDIU	CFDS	CFDIU	313234	2	313200 PA210 T 810 881	
		EIS 1, EIS 2, EIU1FAD, EIU LGCIU 1, LGCIU 2	U2FAD,			
CFDIU	CFDS	CFDIU	313234	2	313200 PA209 T 810 880	
	IDENT:					
CFDIU	CFDS	CFDIU BACKUP	313234	2	313200 P 201 T 810 808	
CFDIU	CFDS	NO ATSU DATA	462134	2	313200 PA298 T 810 937	
CFDIU	CFDS	NO GAPCU DATA	244134	2	313200 PB204 T 810 939	
CFDIU	CFDS	NO MDDU DATA	313822	2	313200 PA296 T 810 936	
CFDIU	CFDS	NO SDU DATA	232834	2	313200 PA294 T 810 935	
CFDIU	ECAM 1	FWC1 : NO DATA FROM	313234	2	315300 P 288 T 810 888	

EFF: ALL

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LIADNINGS /MALEUNGTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION	
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!	
CFDIU	ECAM 1	FWC2 : NO DATA FROM	313234	2	315300 P 289 T 810 889	
CFDIU	ECAM 2	FWC1 : NO DATA FROM	313234	2	315300 P 288 T 810 888	
CFDIU	ECAM 2	FWC2 : NO DATA FROM	313234	2	315300 P 289 T 810 889	
CFDIU	EIS 1	DMC1 : NO CFDIU DATA	313234	2	313200 P 287 T 810 868	
	İ	ADF 1, ATC 1, DME 1, EIS ILS 1, RA 1, RADAR 1, RMP VHF 1, VOR 1		•		
CFDIU	EIS 2	DMC2 : NO CFDIU DATA	313234	2	313200 P 281 T 810 864	
	İ	IDENT: ADF 2, ATC 2, DME 2, EIS 2, HF 2, ILS 2, RA 2, RADAR 2, VHF 2, VOR 2				
CFDIU	HF 1	CFDIU (1TW)/HF1 (3RE1)	313234	2	313200 P 266 T 810 854	
	İ	ADF 1, ATC 1, DME 1, EIS ILS 1, RA 1, RADAR 1, RMP VHF 1, VOR 1		,		
CFDIU	HF 1	CFDIU (1TW)/HF1 (3RE1)	313234	3	313200 P 266 T 810 854	
	İ	ADF 1, ATC 1, DME 1, EIS ILS 1, RA 1, RADAR 1, RMP VHF 1, VOR 1		,	1 610 654	
CFDIU	HF 1	HF1 NO DATA FROM CFDIU	313234	2	313200 P 266 T 810 854	
	İ	ADF 1, ATC 1, DME 1, EIS ILS 1, RA 1, RADAR 1, RMP VHF 1, VOR 1		,		
CFDIU	HF 2	HF2 NO DATA FROM CFDIU	313234	2	313200 P 279 T 810 863	
	İ	ADF 2, ATC 2, DME 2, EIS 2 ILS 2, RA 2, RADAR 2, VHF VOR 2		,		

EFF: ALL
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LIADNINGS / MALEUNGTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION
WARNINGS/MALFUNCTIONS -	SOURCE	MESSAGE	АТА	С	
CFDIU	ILS 1	CFDIU(1TW)/ILS1(2RT1)	313234	3	313200 P 291 T 810 870
	IDENT:	•	1 610 670		
CFDIU	ILS 2	CFDIU(1TW)/ILS2(2RT2)	313234		313200 P 283 T 810 866
	IDENT: ADF 2, ATC 2, DME 2, EIS 2, HF 2, ILS 2, RA 2, RADAR 2, VHF 2, VOR 2				810 800
CFDIU	RA 1	RADIO ALTM1 NO DATA FROM	313234	2	313200 P 265 T 810 853
		ADF 1, ATC 1, DME 1, EIS ILS 1, RA 1, RADAR 1, RMP VHF 1, VOR 1		,	
CFDIU	RA 2	RADIO ALTM2 NO DATA FROM	313234	2	313200 P 278 T 810 862
	İ	ADF 2, ATC 2, DME 2, EIS 2 ILS 2, RA 2, RADAR 2, VHF VOR 2		•	
CFDIU	RADAR 1	CFDIU (1TW)/WXR1 (1SQ1)	313234	3	313200 P 289 T 810 869
	İ	ADF 1, ATC 1, DME 1, EIS ILS 1, RA 1, RADAR 1, RMP VHF 1, VOR 1		•	
CFDIU	RADAR 1	RADAR1 NO DATA FROM	313234	2	313200 P 289 T 810 869
	İ	ADF 1, ATC 1, DME 1, EIS ILS 1, RA 1, RADAR 1, RMP VHF 1, VOR 1		,	
CFDIU	RMP 123	CFDIU(1TW)/RMP1(1RG1)	313234	3	313200 P 295 T 810 872
		ADF 1, ATC 1, DME 1, EIS ILS 1, RA 1, RADAR 1, RMP VHF 1, VOR 1		•	. 010 012

EFF: ALL SROS **31-ECAM**

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LIADNINGS / MALEUNGTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION
WARNINGS/MALFUNCTIONS 	SOURCE	MESSAGE	ATA	С	:
CFDIU	RMP 123	RMP1 : NO DATA FROM	313234	2	313200 P 295 T 810 872
	IDENT:				
CFDIU	VHF 1	CFDIU (1TW)/VHF1 (1RC1)	313234	3	313200 P 293 T 810 871
	IDENT: ADF 1, ATC 1, DME 1, EIS 1, HF 1, ILS 1, RA 1, RADAR 1, RMP123, VHF 1, VOR 1				
CFDIU	VHF 1	VHF1 : NO DATA FROM CFDIU	313234	2	313200 P 293 T 810 871
	IDENT: ADF 1, ATC 1, DME 1, EIS 1, HF 1, ILS 1, RA 1, RADAR 1, RMP123, VHF 1, VOR 1				
CFDIU	VHF 2	CFDIU (1TW)/VHF2 (1RC2)	313234	3	313200 P 285 T 810 867
	IDENT: ADF 2, ATC 2, DME 2, EIS 2, HF 2, ILS 2, RA 2, RADAR 2, VHF 2, VOR 2				
CFDIU	VHF 2	VHF2 : NO DATA FROM CFDIU	313234	2	313200 P 285 T 810 867
	IDENT: ADF 2, ATC 2, DME 2, EIS 2, HF 2, ILS 2, RA 2, RADAR 2, VHF 2, VOR 2				
DAR					313600 P 264 T 810 898
DAR	DMU	DAR	313652	2	313600 P 204 T 810 802
DAR	DMU	FDIMU (10TV)	313634	3	313600 P 264 T 810 898
DMC 1/3					316382 P 247 T 810 848

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE
DMC 1/3 associated with Upper ECAM DU Warnings EIS DMC 3 FAULT	EIS 1 EIS 2	DMC3 associated with DMC3	316334 316334	1	316381 PA216 T 810 869
DMC 2/3					316382 P 245 T 810 847
DMC 2/3 associated with Upper ECAM DU Warnings EIS DMC 3 FAULT	EIS 1	DMC3	316334	1	316381 PA216 T 810 869
DMC 2/3 associated with Upper ECAM DU Warnings EIS DMC 3 FAULT	EIS 2	DMC3	316334	1	316381 PA216 T 810 869
DMU	DMU	ACQUI. BUS INTERFACE	313634	2	313600 P 201 T 810 801
DMU	DMU	CPU1/CPU2 SYNC. FAILURE	313634	2	313600 P 201 T 810 801
DMU	DMU	CPU1/CPU2 SYNCHRO	313634	2	313600 P 201 T 810 801
DMU	DMU	DAR EMISSION FAILUR	313634	2	313600 P 201 T 810 801
DMU	DMU	DAR MEDIA LOW	313652	2	313600 P 208 T 810 803
DMU	DMU	DIAL. BUS INTERFACE	313634	2	313600 P 201 T 810 801
DMU	DMU	DMU	313634	2	313600 P 201 T 810 801
DMU	DMU	DMU	313634	3	313600 P 201 T 810 801
DMU	DMU	DMU BATTERY	313634	3	313600 P 253 T 810 892

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TROUBLE SHOOTING MANUAL

 WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION	
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!	
DMU	DMU	DMU PCMCIA MEDIA	313634	2	313600 P 255 T 810 893	
DMU	DMU	DMU PCMCIA MEDIA DISK ACCESS ERROR	313634	2	313600 P 255 T 810 893	
DMU	DMU	DMU PCMCIA MEDIA DISK FORMATE ERROR	313634	2	313600 P 255 T 810 893	
DMU	DMU	DMU PCMCIA MEDIA DISK FULL	313634	2	313600 P 255 T 810 893	
DMU	DMU	DMU PCMCIA MEDIA INVALID PCMCIA MEDIA	313634	2	313600 P 255 T 810 893	
DMU	DMU	DMU PCMCIA MEDIA NO DISK INSERTED	313634	2	313600 P 255 T 810 893	
DMU	DMU	EEPROM FAILURE (CPU1)	313634	2	313600 P 201 T 810 801	
DMU	DMU	EPROM FAILURE (CPU2)	313634	2	313600 P 201 T 810 801	
DMU	DMU	EPROM I/O FAILURE (CPU1)	313634	2	313600 P 201 T 810 801	
DMU	DMU	FDIMU (10TV)	313634	2	313600 P 264 T 810 898	
DMU	DMU	FDIMU (10TV)	313634	3	313600 P 264 T 810 898	
DMU	DMU	FDIMU BATTERY (10TV)	313634	3	313600 P 268 T 810 899	
DMU	DMU	FDIMU PCMCIA MEDIA (10TV	313634	2	313600 P 269 T 810 900	
DMU	DMU	FLASH PROM FAIL (CPU1)	313634	2	313600 P 201 T 810 801	
DMU	DMU	FLASH PROM FAIL (CPU2)	313634	2	313600 P 201 T 810 801	

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 - WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION
WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE
DMU	DMU	INVALID DATABASE	313634	3	313600 P 201 T 810 801
DMU	DMU	INVALID OP SOFT	313634	2	313600 P 201 T 810 801
DMU	DMU	INVALID OP. SOFTWARE	313634	3	313600 P 201 T 810 801
DMU	DMU	POWER SUPPLY ALARM	313634	2	313600 P 201 T 810 801
DMU	DMU	SAR MEMORY FAILURE	313634	2	313600 P 201 T 810 801
DMU	DMU	SRAM FAILURE (CPU1)	313634	2	313600 P 201 T 810 801
DMU	DMU	SRAM FAILURE (CPU2)	313634	2	313600 P 201 T 810 801
QAR	FDIU	QAR	313352	2	313300 P 207 T 810 803

Upper ECAM DU Flags

EIS Diagonal line on the UPPER ECAM DU associated with PFD Flag(s) EIS Diagonal line on the Captain PFD and ND Flag(s) EIS Diagonal line on the Captain ND	316382 P 201 T 810 801
EIS Loss of the UPPER ECAM DU	316382 P 215 T 810 805
GMT - GMT indication replaced by amber crosses	312100 P 210 T 810 806

EFF: ALL
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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	
GMT - GMT indication replaced by amber crosses associated with EIS - Loss of NDwaypoint time					312100 P 210 T 810 806

Lower ECAM DU Flags-APU

EIS Diagonal line on the LOWER ECAM DU	316382 P 203 T 810 802
associated with	
PFD Flag(s) EIS Diagonal line on the	
First Officer PFD	
and	
ND Flag(s) EIS Diagonal line on the First Officer ND	
EIS Loss of the LOWER	316382 P 230 T 810 808

Lower ECAM DU Flags-BLEED

EIS Diagonal line on the LOWER ECAM DU associated with	316382 P 203 T 810 802
PFD Flag(s)	
First Officer PFD	
ND Flag(s) EIS Diagonal line on the First Officer ND	
EIS Loss of the LOWER	316382 P 230 T 810 808

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TROUBLE SHOOTING MANUAL

HARNINGS (MALEUNGTIONS		CFDS FAULT MESSAGES				FAULT ISOLATION
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE

<u>Lower ECAM DU Flags-CAB</u> PRESS

EIS Diagonal line on the LOWER ECAM DU		316382 P 203 T 810 802
associated with		
PFD Flag(s)		
EIS Diagonal line on the		
First Officer PFD		
and		
ND Flag(s)		
EIS Diagonal line on the		
First Officer ND		
EIS Loss of the LOWER		316382 P 230 T 810 808

Lower ECAM DU Flags-COND

EIS Diagonal line on the		316382 P 203 T 810 802
associated with PFD Flag(s)		
EIS Diagonal line on the		
First Officer PFD	ļ	
and		
EIS Diagonal line on the First Officer ND		
EIS Loss of the LOWER		316382 P 230 T 810 808

EFF: ALL SROS **31-ECAM**

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TROUBLE SHOOTING MANUAL

	LIADNINGS / MAI FUNCTIONS	CFDS FAULT MESSAGES			FAULT ISOLATION
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE

Lower ECAM DU Flags-CRUISE

EIS Diagonal line on the LOWER ECAM DU associated with PFD Flag(s) EIS Diagonal line on the First Officer PFD and ND Flag(s) EIS Diagonal line on the First Officer ND	316382 P 203 T 810 802
EIS Loss of the LOWER	316382 P 230 T 810 808

Lower ECAM DU Flags-DOOR/OXY

EIS Diagonal line on the LOWER ECAM DU		316382 P 203 T 810 802
associated with	į į	
PFD Flag(s)		
EIS Diagonal line on the		
First Officer PFD		
and		
ND Flag(s)		
EIS Diagonal line on the		
First Officer ND		
EIS Loss of the LOWER ECAM DU		316382 P 230 T 810 808

EFF: ALL SROS **31-ECAM**

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TROUBLE SHOOTING MANUAL

HARNINGS (MALEUNGTIONS		CFDS FAULT MESSAGES				FAULT ISOLATION
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE

Lower ECAM DU Flags-ELEC

EIS Diagonal line on the LOWER ECAM DU	316382 P 203 T 810 802
associated with	
PFD Flag(s)	
EIS Diagonal line on the	
First Officer PFD	
and	
ND Flag(s)	
EIS Diagonal line on the	
First Officer ND	
EIS Loss of the LOWER ECAM DU	316382 P 230 T 810 808

Lower ECAM DU Flags-ENGINE

EIS Diagonal line on the LOWER ECAM DU	316382 P 20 T 810 802
associated with PFD Flag(s)	
EIS Diagonal line on the	
First Officer PFD and	
ND Flag(s) EIS Diagonal line on the	
First Officer ND	
EIS Loss of the LOWER ECAM DU	316382 P 23 T 810 808

EFF: ALL SROS **31-ECAM**

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TROUBLE SHOOTING MANUAL

WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES	 S		FAULT ISOLATION
WARNINGS/ MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE

<u>Lower ECAM DU Flags-</u> F/CTL

EIS Diagonal line on the LOWER ECAM DU associated with PFD Flag(s) EIS Diagonal line on the First Officer PFD and ND Flag(s) EIS Diagonal line on the First Officer ND		316382 P 203 T 810 802
EIS Loss of the LOWER ECAM DU	 	316382 P 230 T 810 808

Lower ECAM DU Flags-FUEL

EIS Diagonal line on the		316382 P 203 T 810 802
associated with		j
PFD Flag(s)		
EIS Diagonal line on the		
First Officer PFD		
and		
ND Flag(s)		
EIS Diagonal line on the		
First Officer ND		
EIS Loss of the LOWER		316382 P 230 T 810 808

EFF: ALL
SROS

31-ECAM

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TROUBLE SHOOTING MANUAL

WARNINGS/MALFUNCTIONS -		FAULT ISOLATION			
WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE

Lower ECAM DU Flags-HYD

EIS Diagonal line on the		316382 P 203 T 810 802
associated with	į į	
PFD Flag(s)		
EIS Diagonal line on the		
First Officer PFD		
and		
ND Flag(s)		
EIS Diagonal line on the		
First Officer ND		
EIS Loss of the LOWER ECAM DU		316382 P 230 T 810 808

<u>Lower ECAM DU Flags-</u> <u>STATUS</u>

EIS Diagonal line on the LOWER ECAM DU	316382 P 20 T 810 802
associated with PFD Flag(s)	
EIS Diagonal line on the	
First Officer PFD and	
ND Flag(s) EIS Diagonal line on the	
First Officer ND	
EIS Loss of the LOWER ECAM DU	316382 P 23 T 810 808

EFF :	ALL		
SROS			

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TROUBLE SHOOTING MANUAL

LIADNINGS / MALEUNCTIONS		FAULT ISOLATION				
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE

<u>Lower ECAM DU Flags-</u> WHEEL

EIS Diagonal line on the	316382 P 203 T 810 802
associated with	
PFD Flag(s)	
EIS Diagonal line on the	
First Officer PFD	
and ND Flag(s)	
EIS Diagonal line on the	
First Officer ND	
EIS Loss of the LOWER	316382 P 230 T 810 808

EFF: ALL

31-ECAM

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TROUBLE SHOOTING MANUAL

INDICATING/RECORDING SYSTEMS - FAULT SYMPTOMS

HARNITHOO (MAI TIMOTTOWS		FAULT		
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	ISOLATION C PROCEDURE
PFD Flag(s)				
EIS Diagonal line on the Captain PFD associated with ND Flag(s) EIS Diagonal line on the Captain ND and Upper ECAM DU Flags EIS Diagonal line on the UPPER ECAM DU				316382 P 20 ² T 810 801
EIS Diagonal line on the First Officer PFD associated with ND Flag(s) EIS Diagonal line on the First Officer ND and Lower ECAM DU Flags-COND EIS Diagonal line on the LOWER ECAM DU				316382 P 20 T 810 802
EIS Diagonal line on the First Officer PFD	 			316382 P 203

EFF: ALL 31-EFIS

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SROS

associated with

First Officer ND

LOWER ECAM DU

EIS Diagonal line on the

Lower ECAM DU Flags-CAB

EIS Diagonal line on the

ND Flag(s)

and

PRESS

TROUBLE SHOOTING MANUAL

WARNINGS/MALFUNCTIONS	[CFDS FAULT MESSAGES	 S		FAULT - ISOLATION		
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE		
EIS Diagonal line on the First Officer PFD associated with ND Flag(s) EIS Diagonal line on the First Officer ND and Lower ECAM DU Flags-ELEC EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802		
EIS Diagonal line on the First Officer PFD associated with ND Flag(s) EIS Diagonal line on the First Officer ND and Lower ECAM DU Flags-F/CTL EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802		
EIS Diagonal line on the First Officer PFD associated with ND Flag(s) EIS Diagonal line on the First Officer ND and Lower ECAM DU Flags-FUEL EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802		
EIS Diagonal line on the First Officer PFD associated with ND Flag(s) EIS Diagonal line on the First Officer ND and Lower ECAM DU Flags-HYD EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802		

F :	ALL		
SROS			

31-EFIS

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TROUBLE SHOOTING MANUAL

WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGE	 S		FAULT ISOLATION
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!
EIS Diagonal line on the First Officer PFD associated with ND Flag(s) EIS Diagonal line on the First Officer ND and Lower ECAM DU Flags-WHEEL EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802
EIS Diagonal line on the First Officer PFD associated with ND Flag(s) EIS Diagonal line on the First Officer ND and Lower ECAM DU Flags-BLEED EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802
EIS Diagonal line on the First Officer PFD associated with ND Flag(s) EIS Diagonal line on the First Officer ND and Lower ECAM DU Flags-APU EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802
EIS Diagonal line on the First Officer PFD associated with ND Flag(s) EIS Diagonal line on the First Officer ND and Lower ECAM DU Flags-DOOR/OXY EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802

EFF :	ALL		
SROS			

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TROUBLE SHOOTING MANUAL

WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES	 S		FAULT ISOLATION	
WARNINGS/ MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE	
EIS Diagonal line on the First Officer PFD associated with ND Flag(s) EIS Diagonal line on the First Officer ND and Lower ECAM DU Flags-ENGINE EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802	
EIS Diagonal line on the First Officer PFD associated with ND Flag(s) EIS Diagonal line on the First Officer ND and Lower ECAM DU Flags-STATUS EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802	
EIS Diagonal line on the First Officer PFD associated with ND Flag(s) EIS Diagonal line on the First Officer ND and Lower ECAM DU Flags-CRUISE EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802	
EIS Loss of the Captain					316382 P 205 T 810 803	
EIS Loss of the First Officer PFD					316382 P 220 T 810 806	

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

MARNINGS (MALEUNGTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION	
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE

ND Flag(s)

F	 т
EIS Diagonal line on the Captain ND associated with	316382 P 201 T 810 801
PFD Flag(s)	
EIS Diagonal line on the	
Captain PFD	
Upper ECAM DU Flags	
EIS Diagonal line on the	
UPPER ECAM DU	
EIS Diagonal line on the	316382 P 203
First Officer ND	T 810 802
associated with	
PFD Flag(s) EIS Diagonal line on the	
First Officer PFD	
and	
Lower ECAM DU Flags-COND	
EIS Diagonal line on the	
	 -
EIS Diagonal line on the	316382 P 203
First Officer ND associated with	Т 810 802
PFD Flag(s)	
EIS Diagonal line on the	
First Officer PFD	
and Lower ECAM DU Flags-CAB	
PRESS	
EIS Diagonal line on the	
LOWER ECAM DU	<u> </u>

EFF: ALL
SROS

31-EFIS

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TROUBLE SHOOTING MANUAL

WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!!
EIS Diagonal line on the First Officer ND associated with PFD Flag(s) EIS Diagonal line on the First Officer PFD and Lower ECAM DU Flags-ELEC EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802
EIS Diagonal line on the First Officer ND associated with PFD Flag(s) EIS Diagonal line on the First Officer PFD and Lower ECAM DU Flags-F/CTL EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802
EIS Diagonal line on the First Officer ND associated with PFD Flag(s) EIS Diagonal line on the First Officer PFD and Lower ECAM DU Flags-FUEL EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802
EIS Diagonal line on the First Officer ND associated with PFD Flag(s) EIS Diagonal line on the First Officer PFD and Lower ECAM DU Flags-HYD EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION
WARNINGS/ MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!!
EIS Diagonal line on the First Officer ND associated with PFD Flag(s) EIS Diagonal line on the First Officer PFD and Lower ECAM DU Flags-WHEEL EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802
EIS Diagonal line on the First Officer ND associated with PFD Flag(s) EIS Diagonal line on the First Officer PFD and Lower ECAM DU Flags-BLEED EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802
EIS Diagonal line on the First Officer ND associated with PFD Flag(s) EIS Diagonal line on the First Officer PFD and Lower ECAM DU Flags-APU EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802
EIS Diagonal line on the First Officer ND associated with PFD Flag(s) EIS Diagonal line on the First Officer PFD and Lower ECAM DU Flags-DOOR/OXY EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802

EFF: ALL | | SROS **31-EFIS**

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TROUBLE SHOOTING MANUAL

WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION
WARNINGS/ MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE
EIS Diagonal line on the First Officer ND associated with PFD Flag(s) EIS Diagonal line on the First Officer PFD and Lower ECAM DU Flags-ENGINE EIS Diagonal line on the LOWER ECAM DU					316382 P 203 Т 810 802
EIS Diagonal line on the First Officer ND associated with PFD Flag(s) EIS Diagonal line on the First Officer PFD and Lower ECAM DU Flags-STATUS EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802
EIS Diagonal line on the First Officer ND associated with PFD Flag(s) EIS Diagonal line on the First Officer PFD and Lower ECAM DU Flags-CRUISE EIS Diagonal line on the LOWER ECAM DU					316382 P 203 T 810 802
EIS Loss of the Captain					316382 P 210 T 810 804
EIS Loss of the First Officer ND					316382 P 225 T 810 807
EIS-Transfer of the Captain PFD on the Captain ND not possible					316382 P 235 T 810 809

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

	WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION
		SOURCE	MESSAGE	ATA	С	
R	EIS-Transfer of the ECAM DU on the Captain ND not possible					316382 P 239 T 810 811
R	EIS-Transfer of the ECAM DU on the First Officer ND not possible					316382 P 242 T 810 812
R	EIS-Transfer of the F/O PFD on the F/O ND not possible					316382 P 237 T 810 810

EFF: ALL

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INDICATING/RECORDING SYSTEMS - FAULT SYMPTOMS

	WARNINGS/MALFUNCTIONS		CFDS FAULT MES	FAULT - ISOLATION	
	WARNINGS/ MALFUNCTIONS	SOURCE	MESSAGE	ATA	C PROCEDURE
	GSHLD PNL CAPT (131VU)				
R	MASTER CAUT LT - Half light on				315300 PA259 T 810 965
R	MASTER WARN LT - Half light on				315300 PA259 T 810 965
	GSHLD PNL F/O (130VU)				
R	MASTER WARN LT - Half light on				315300 PA259 T 810 965
	GSHLD PNL-F/O (130VU)				
R	MASTER CAUT LT - Half light on				315300 PA259 T 810 965
	GSHLD-CAPT Pnl (131VU)				
R	CAPT AUTOLAND WARNING lt	:			315300 PA223 T 810 920
R	CAPT MASTER CAUT It operates incorrectly				315300 PA219 T 810 918
R	CAPT MASTER WARN lt operates incorrectly				315300 PA215 T 810 916
	GSHLD-F/O Pnl (130VU)				
R	F/O AUTOLAND WARNING lt operates incorrectly				315300 PA225 T 810 921

EFF: ALL

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TROUBLE SHOOTING MANUAL

WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION	
	SOURCE	MESSAGE	ATA	C		
F/O MASTER CAUT lt operates incorrectly					315300 PA221 T 810 919	
F/O MASTER WARN lt operates incorrectly					315300 PA217 T 810 917	

ZONE: 211

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R	UNIT FAIL is displayed		İ	313800 P 214
	on the MDDU display		ĺ	т 810 809

R CENTER INSTRUMENT PNL

clock displays go off	CFDS IDENT:	CLOCK	312121	1	312100 P 201 T 810 801
clock displays go off	CFDS	CLOCK	312121	1	312100 P 201 T 810 801
clock displays go off					312100 P 203 T 810 802

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

INDICATING/RECORDING SYSTEMS - FAULT SYMPTOMS

LIADNINGS (MALEUNGTIONS		FAULT			
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	ISOLATION PROCEDURE
AIDS - MCDU1 and MCDU2 shows AIDS (TIME OUT)				 	313600 P 257 Т 810 895
AIDS - No AIDS Indication on MCDU1 or MCDU2					313600 PA208 T 810 921
CFDS Failure of the analog links					313200 PA288 T 810 933
CFDS Failure of the digital links					313200 PA291 T 810 934
CFDS Failure of the discretes links					313200 PA285 T 810 932
CLOCK - Clock not counting					312100 P 212 T 810 807
DATA LOADIND SELECTOR - CFDIU CHAN FAIL					313800 P 201 T 810 801
DATA LOADING SELECTOR DMU CHAN FAIL					313800 P 201 T 810 801
DATA LOADING SELECTOR - ACARS CHAN FAIL				 	313800 P 201 T 810 801
DATA LOADING SELECTOR - ACARS uploading not possible					313800 P 205 T 810 804
DATA LOADING SELECTOR -			† 	 	313800 P 201 T 810 801
DATA LOADING SELECTOR - ACMS uploading not possible					313800 P 231 T 810 822
DATA LOADING SELECTOR - ATSU CHAN FAIL					313800 P 201 T 810 801

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TROUBLE SHOOTING MANUAL

	WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES			FAULT ISOLATION	
	WARNINGS/MALFONCTIONS	SOURCE	MESSAGE	ATA	С	!!
R	DATA LOADING SELECTOR - ATSU uploading not possible					313800 P 218 T 810 812
R	DATA LOADING SELECTOR - CFDIU uploading not possible					313800 P 207 T 810 805
	DATA LOADING SELECTOR - DLRB CHAN FAIL					313800 P 201 T 810 801
R	DATA LOADING SELECTOR - DLRB uploading not possible					313800 P 213 T 810 808
	DATA LOADING SELECTOR - DMC1 CHAN FAIL					313800 P 201 T 810 801
R	DATA LOADING SELECTOR - DMC1 uploading not possible					313800 P 233 T 810 823
R	DATA LOADING SELECTOR - DMU uploading not possible					313800 P 209 T 810 806
	DATA LOADING SELECTOR - FDR SYS CHAN FAIL					313800 P 201 T 810 801
R	DATA LOADING SELECTOR - FDR SYS uploading not possible					313800 P 229 T 810 821
	DATA LOADING SELECTOR - FMGC1 CHAN FAIL					313800 P 201 T 810 801
	DATA LOADING SELECTOR - FMGC1 uploading not possible					313800 P 203 T 810 802
	DATA LOADING SELECTOR - FMGC2 CHAN FAIL				 	313800 P 201 T 810 801
	DATA LOADING SELECTOR - FMGC2 uploading not possible					313800 P 204 T 810 803

EFF:	ALL	 	
SROS			

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TROUBLE SHOOTING MANUAL

	WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES			FAULT ISOLATION	
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!!
	DATA LOADING SELECTOR - SATCOM CHAN FAIL					313800 P 201 T 810 801
R	DATA LOADING SELECTOR - SATCOM uploading not possible					313800 P 220 T 810 813
	DATA LOADING SELECTOR - TCAS CHAN FAIL					313800 P 201 T 810 801
R	DATA LOADING SELECTOR - TCAS uploading not possible					313800 P 211 T 810 807
R	DATA LOADING SELECTOR - UP-LOADING ERROR					313800 P 215 T 810 810
	DFDRS - Blue ON Indicator Light does not come on					313300 P 221 T 810 824
	EIS - Color display change/abnormal					316300 PB225 T 810 971
	EIS - EIS displays go blank with diagonal line after IDG1 connection					242000 PA245 T 810 858
	EIS - EIS displays go blank with diagonal line after IDG2 connection					242000 PA246 T 810 859
	EIS - Loss of NDwaypoint time associated with Upper ECAM DU Flags GMT - GMT indication replaced by amber crosses					312100 P 210 T 810 806
	EIS - Loss of NDwaypoint time					312100 P 210 T 810 806
	EIS - the EIS DMC Selector Switch does not operate correctly					316300 PB221 T 810 969

EFF :	ALL		
SROS			

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TROUBLE SHOOTING MANUAL

LIADNINGS (MALFLINGITONS	CFDS FAULT MESSAGES				FAULT
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	ISOLATION PROCEDURE
EIS- Intermittent diagonal when takeover & priority P/BSW is pushed	!!				316300 PB22 Т 810 970
FWC-Captain Loudspeaker doesn't operate					315300 PA22 T 810 922
FWC-F/O Loudspeaker doesn't operate					315300 PA23 T 810 923
FWS - on MCDU, UNABLE TO CROSSLOAD is shown on ECAM2/OEB DATABASE page					315100 Р 21 Т 810 808
FWS-On MCDU, access to ECAM1/OEB DATABASE page not possible					315100 Р 20 Т 810 801
FWS-On MCDU, access to ECAM2/OEB DATABASE page not possible					315100 P 20 Т 810 802
FWS-On MCDU, CROSSLOAD FAILED is shown on ECAM1/OEB DATABASE page					315100 Р 21 Т 810 809
FWS-On MCDU, CROSSLOAD FAILED is shown on ECAM2/OEB DATABASE page					315100 P 21 T 810 810
FWS-On MCDU, NO RESPONSE is shown on ECAM1/OEB DATABASE page					315100 P 20 T 810 803
FWS-On MCDU, UNABLE TO CROSSLOAD is shown on ECAM1/OEB DATABASE page					315100 P 21 T 810 807
FWS-On MCDU, UNABLE TO CROSSLOAD is shown on ECAM2/OEB DATABASE page					315100 P 20 T 810 804
FWS-On MCDU, UPDATE FAILED is shown on ECAM1/OEB DATABASE page					315100 P 20 T 810 805

EFF :	ALL
SROS	

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May 01/08

TROUBLE SHOOTING MANUAL

WARNINGS/MALFUNCTIONS	 	FAULT ISOLATION			
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!
FWS-On MCDU, UPDATE FAILED is shown on ECAM2/OEB DATABASE page					315100 P 209 T 810 806
INDG/RCDG - FWC - UNWANTED (SPURIOUS) INDICATION/WARNING			<u></u>		315300 PA256 T 810 956
INDG/RCDG - FWC - UNWANTED (SPURIOUS) INDICATION/WARNING					315500 P 201 T 810 801
INDG/RCDG - FWC - NO AUTOMATIC CALL-OUT DURING LANDING PHASE					315300 PA257 T 810 957
INDG/RCDG - FWS - ECP - Key(s) unserviceable with no ECP MAINT MSG					315600 P 201 T 810 801
INDG/RCDG - FWS - ECP - TO CONFIG TEST does not operates					315600 P 202 T 810 802
MAINT.SYS - PRINTER INCORRECT DATE AND/OR TIME IN PFR HEADER					312100 P 213 T 810 808
MCDU - no access to system BITEs from the MCDU			<u></u>		313200 PB200 T 810 938
NAV - RADIO ALTIMETER RA auto call out on ground					344200 P 275 T 810 843
PRINTER - printing of ACARS (or ATSU) data not possible from the MCDU1					313500 P 221 T 810 812
PRINTER - printing of ACARS (or ATSU) data not possible from the MCDU2					313500 P 204 T 810 802
PRINTER - printing of ACARS (or ATSU) data not possible from the MCDU3					313500 P 209 T 810 806

EFF :	ALL
SROS	

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31-OBSV

Feb 01/08

TROUBLE SHOOTING MANUAL

WARNINGS/MALFUNCTIONS		FAULT ISOLATION			
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!!
PRINTER - printing of DMU (or FDIMU) data not possible from the MCDU1					313500 P 218 T 810 811
PRINTER - printing of DMU (or FDIMU) data not possible from the MCDU2				†	313500 P 201 T 810 801
PRINTER-printing of the CFDIU DATA not possiblefrom the MCDU1				 	313500 P 216 T 810 810
PRINTER-printing of the CFDIU DATA not possible from the MCDU2					313500 P 230 T 810 816
PRINTER-printing of the EVMU DATA not possible from the MCDU1					313500 P 224 T 810 813
PRINTER-printing of the EVMU DATA not possible from the MCDU2					313500 P 207 T 810 803
PRINTER-printing of the FMGC1 DATA not possible from the MCDU1				†	313500 P 212 T 810 808
PRINTER-printing of the FMGC1 DATA not possible from the MCDU2				†	313500 P 226 T 810 814
PRINTER-printing of the FMGC2 DATA not possible from the MCDU1				†	313500 P 214 T 810 809
PRINTER-printing of the FMGC2 DATA not possible from the MCDU2				†	313500 P 228 T 810 815

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

INDICATING/RECORDING SYSTEMS - FAULT SYMPTOMS

	WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES				
	WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	ISOLATION PROCEDURE	
		AC GEN	CFDIU (1TW)/GAPCU (24XG)	313224	3	244100 P 248 T 810 825	
		AC GEN	CHECK GPCU PIN A4B CFDIU 1TW PIN A9K WIRING	313200	3	244100 P 211 T 810 808	
		ACARSMU	CFDIU (1TW)/ ACARS MU (1RB)	313234	3	232400 P 203 T 810 803	
R		ACARSMU	CFDIU(1TW)/ATSU1(1TX1)	313234	3	462100 P 230 T 810 817	
		ACARSMU	CLOCK(2FS)/ATSU1(1TX1)	312121	1	462100 P 208 T 810 806	
R		ACARSMU	DATA LOADER(1TD)/ ATSU1(1TX1)	313800	3	462100 P 254 T 810 834	
R		ACARSMU	DMC (1WT1/3)/ATSU1(1TX1)	316334	3	462100 P 236 T 810 820	
R		ACARSMU	DMC (1WT2/3)/ATSU1(1TX1)	316334	3	462100 P 238 T 810 821	
		ACARSMU	DMU (1TV)/ ACARS MU (1RB)	313634	3	232400 P 211 T 810 813	
R		ACARSMU	DMU(1TV)/ATSU1(1TX1)	313634	3	462100 P 240 T 810 823	
		ACARSMU	FWC1 (1WW1)/ ACARS MU (1RB)	315334	3	232400 P 210 T 810 811	
R		ACARSMU	FWC1(1WW1)/ATSU1(1TX1)	315334	3	462100 P 246 T 810 830	
R		ACARSMU	FWC2(1WW2)/ATSU1(1TX1)	315334	3	462100 P 250 T 810 832	
		ACARSMU	PRINTER (4TW)/ ACARS MU (1RB)	313500	3	232400 P 208 T 810 809	
		ACARSMU	PRINTER(4TW)/ATSU1(1TX1)	313522	1	462100 P 222 T 810 814	

EFF :	ALL			
SROS				

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WARNINGS/MALFUNCTIONS		FAULT ISOLATION				
WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	i	
	ACARSMU	SDAC1 (1WV1)/ ACARS MU (1RB)	315534	3	232400 P 209 T 810 810	
	ACARSMU	SDAC1(1WV1)/ATSU1(1TX1)	315534	3	462100 P 260 T 810 837	
	ACARSMU	SDAC2(1WV2)/ATSU1(1TX1)	315534	3	462100 P 262 T 810 839	
	ADF 1	CFDIU (1TW)/ADF1 (2RP1)	313234		313200 P 261 T 810 850	
] :	ADF 1, ATC 1, DME 1, EIS ILS 1, RA 1, RADAR 1, RMP VHF 1, VOR 1		•		
	ADF 2	CFDIU (1TW)/ADF2 (2RP2)	313234		313200 P 298 T 810 874	
] :	ADF 2, ATC 2, DME 2, EIS 7 ILS 2, RA 2, RADAR 2, VHF VOR 2				
	ADR 1	CFDIU (1TW)	313234	3	313200 PA281 T 810 928	
	ADR 1	CFDIU (1TW)/ ADIRU1 (1FP1)	313234	3	341300 PB203 T 810 956	
	ADR 2	CFDIU (1TW)	313234	3	313200 PA282 T 810 929	
	ADR 2	CFDIU (1TW)/ ADIRU2 (1FP2)	313234	3	341300 PB204 T 810 957	
	ADR 3	CFDIU (1TW)	313234	3	313200 PA283 T 810 930	
	ADR 3	CFDIU (1TW)/ ADIRU3 (1FP3)	313234	3	341300 PB205 T 810 958	
	AEVC	CHECK SDAC-AEVC INTFC	315534	3	212600 P 259 T 810 824	
	AFS	AFS: CHK FWC1/2 (INST SYS)	315334	3	228300 PA203 T 810 866	

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TROUBLE SHOOTING MANUAL

	WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION	
	WARNINGS/ MALFONCTIONS	SOURCE	OURCE MESSAGE ATA C		!!		
		AFS	AFS: CLOCK	312121	1	228300 P 256 T 810 838	
		AFS	AFS: CLOCK	312121	1	312100 P 209 T 810 805	
		IDENT: /	AFS				
		AFS	AFS: FWC1 AND FWC2	315334	3	228300 P 274 T 810 847	
		AFS	AFS: PRINTER	313522	1	228300 P 280 T 810 850	
R		AMU	CFDIU(1TW)/AMU(1RN)	313234	1	235100 P 298 T 810 846	
R		APU	NO DAT FROM CFDIU	313234	3	490081 PB232 Conf.01 T 810 873	
		ATC 1	ATC1 : NO DATA FROM CFDIU	313234	2	345200 P 221 T 810 809	
		ATC 1	CFDIU (1TW) / ATC1 (1SH1)	313234	3	345200 P 221 T 810 809	
		ATC 2	ATC2 : NO DATA FROM CFDIU	313234	2	345200 P 223 T 810 810	
		ATC 2	CFDIU (1TW) / ATC2 (1SH2)	313234	3	345200 P 223 T 810 810	
		ATSU	CFDIU(1TW)/ATSU1(1TX1)	313234	3	462100 P 230 T 810 817	
		ATSU	CLOCK(2FS)/ATSU1(1TX1)	312121	1	462100 P 208 T 810 806	
		ATSU	DATA LOADER(1TD)/ ATSU1(1TX1)	313800	3	462100 P 254 T 810 834	
		ATSU	DMC (1WT1/3)/ATSU1(1TX1)	316334	3	462100 P 236 T 810 820	
		ATSU	DMC (1WT2/3)/ATSU1(1TX1)	316334	3	462100 P 238 T 810 821	

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	WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION	
			MESSAGE	АТА	С	!	
		ATSU	DMU(1TV)/ATSU1(1TX1)	313634	3	462100 P 240 T 810 823	
		ATSU	FWC1(1WW1)/ATSU1(1TX1)	315334	3	462100 P 246 T 810 830	
		ATSU	FWC2(1WW2)/ATSU1(1TX1)	315334	3	462100 P 250 T 810 832	
		ATSU	PRINTER(4TW)/ATSU1(1TX1)	313522	1	462100 P 222 T 810 814	
		ATSU	SDAC1(1WV1)/ATSU1(1TX1)	315534	3	462100 P 260 T 810 837	
		ATSU	SDAC2(1WV2)/ATSU1(1TX1)	315534	3	462100 P 262 T 810 839	
R		BMC 1	NO DATA FROM CFDIU	313234	3	361100 PA249 T 810 857	
R		BMC 2	NO DATA FROM CFDIU	313234	3	361100 PA250 T 810 858	
		BSCU 1	BSCU : NO DATA FROM CFDIU	313234	3	324200 P 298 T 810 855	
		BSCU 1	CFDIU(1TW)/BSCU(10GG)	313234	3	324200 P 298 T 810 855	
		BSCU 2	BSCU : NO DATA FROM CFDIU	313234	3	324200 PA200 T 810 856	
		BSCU 2	CFDIU(1TW)/BSCU(10GG)	313234	3	324200 PA200 T 810 856	
		CFDS	CFDIU BITE MEMORY	313234	3	313200 PA284 T 810 931	
		CFDS	CLOCK	312121	1	312100 P 207 T 810 804	
		CFDS	CLOCK	312121	1	312100 P 205 T 810 803	
		IDENT: A	AFS			010 003	

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	HADNINGS /MALTHNOTIONS		FAULT ISOLATION			
	WARNINGS/MALFUNCTIONS	SOURCE MESSAGE ATA		ATA	С	:
R		CFDS	DLRB(102TD)/DLS(101TD)	313834	-	313800 P 217 T 810 811
		CFDS	NO DMC1 DATA	316334	2	313200 PA202 T 810 876
		CFDS	NO DMC2 DATA	316334	2	313200 PA204 T 810 877
		CFDS	NO DMC3 DATA	316334	2	313200 PA206 T 810 878
		CFDS	NO DMU DATA	313634	2	313200 P 223 T 810 822
		CFDS	NO FDIU DATA	313334	2	313200 P 225 T 810 824
		CFDS	NO FWC1 DATA	315334	2	313200 PA267 T 810 915
		CFDS	NO FWC1 DATA	315334	2	315300 P 213 T 810 812
		IDENT: (ļ 			
		CFDS	NO FWC2 DATA	315334	2	313200 PA268 T 810 916
		CFDS	NO FWC2 DATA	315334	2	315300 PA212 T 810 914
		IDENT: (CFDS, EIS 3	_		
		CFDS	NO MDDU DATA	313822	1	313200 PA296 T 810 936
		CFDS	NO PRINTER DATA	313200	2	313200 PA208 T 810 879
		CIDS 1	NO CFDIU DATA	313234	3	237300 PB247 T 810 912
		CIDS 1	NO SDAC 1 DATA	315534	3	237300 PB244 T 810 911
		CIDS 1	SDAC1 (1WV1)/ DIR1 (101RH)	315534	3	237300 PB244 T 810 911

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	WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES				
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	ISOLATION PROCEDURE	
R		DME 1	CFDIU(1TW)/DME1(2SD1)	313234	3	313200 P 264 T 810 852	
R		DME 2	CFDIU(1TW)/DME2(2SD2)	313234	3	313200 P 277 T 810 861	
		DMU	CFDIU (1TW) / DMU (1TV)	313234	3	313600 P 228 T 810 827	
		DMU	CFDIU (1TW) / FDIMU (10TV)	313234	3	313600 P 284 T 810 908	
		DMU	DMC1 (1WT1) / DMU (1TV)	316334	3	313600 P 232 T 810 829	
		DMU	DMC1 (1WT1) / FDIMU (1OTV)	316334	3	313600 P 288 T 810 910	
		DMU	DMC1 (1WT2) / FDIMU (1OTV)	316334	3	313600 P 288 T 810 910	
		DMU	DMC2 (1WT2) / DMU (1TV)	316334	3	313600 P 232 T 810 829	
		DMU	DMU	313634	3	313600 P 201 T 810 801	
		DMU	FDIU (2TU) / DMU (1TV)	313334	3	313300 P 220 T 810 823	
		DMU	FWC1 (1WW1) / DMU (1TV)	315334	3	313600 P 230 T 810 828	
		DMU	FWC1 (1WW1) / FDIMU (10TV)	315334	3	313600 P 286 T 810 909	
		DMU	FWC2 (1WW2) / DMU (1TV)	315334	3	313600 P 230 T 810 828	
		DMU	POWER SUPPLY INTERRUPT	313634	1	240000 P 202 T 810 802	
		DMU	PRINTER (4TW) / DMU (1TV)	313522	3	313600 P 247 T 810 836	

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LIADNINGS (MALEUNGTIONS		FAULT ISOLATION				
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!	
	DMU	PRINTER (4TW) / FDIMU (10TV)	313522	3	313600 PA202 T 810 917	
	DMU	SDAC1 (1WV1) / DMU (1TV)	315534	3	313600 P 242 T 810 834	
	DMU	SDAC1 (1WV1) / FDIMU (10TV)	315534	3	313600 P 298 T 810 915	
	DMU	SDAC2 (1WV2) / DMU (1TV)	315534	3	313600 P 242 T 810 834	
	DMU	SDAC2 (1WV2) / FDIMU (10TV)	315534	3	313600 P 298 T 810 915	
	ECAM 1	ECP associated with	316134	1	316100 P 202 T 810 802	
	ECAM 2	ECP	316134	1	1 0 10 002 	
	IDENT: ECAM 1, ECAM 2, EIS 1, EIS 2, EIS 3					
	ECAM 1	ECP : NO DATA FROM DMC1	316334	1	316100 P 204 T 810 808	
	IDENT:	ECAM 2	-			
	ECAM 1	ECP : NO DATA FROM DMC2 OR 3	316334	1	316100 P 206 T 810 809	
	IDENT:	ECAM 2	-			
	ECAM 1	FWC1	315334	3	315300 PA200 T 810 904	
	ECAM 1	FWC1 : NO DATA FROM OPPOSITE FWC	315334	2	315300 P 204 T 810 803	
	ECAM 1	FWC1 : NO DATA FROM OPPOSITE FWC	315334	2	315300 P 203 T 810 802	
	ECAM 1	FWC1 : NO DATA FROM SDAC1	315534	1	315300 P 294 T 810 898	

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	CFDS FAULT MESSAGES WARNINGS/MALFUNCTIONS					FAULT ISOLATION
	WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	
		ECAM 1	FWC1 : NO DATA FROM SDAC1	315534	1	315400 P 205 T 810 808
		IDENT:	ECAM 1, EIS 1			
R		ECAM 1	FWC1 : NO DATA FROM SDAC2	315534	1	315300 P 296 T 810 900
		ECAM 1	FWC1 : NO DATA FROM SDAC2	315534	1	315400 P 201 T 810 801
		IDENT:	ECAM 1, EIS 1			
		ECAM 1	FWC1 : NO DATA FROM DMC1 OR 3	316334	1	316300 P 204 T 810 803
		ECAM 1	FWC1 : NO DATA FROM DMC2 OR 3	316334	1	316300 P 206 T 810 805
R		ECAM 1	FWC1 : NO DATA FROM ECP	316112	1	315300 P 298 T 810 902
		ECAM 1	FWC1 : NO DATA FROM ECP associated with FWC2 : NO DATA FROM ECP	316112 316112		316100 P 201 T 810 801
		<u></u>		<u>i</u>	' 	
			ECAM 1, ECAM 2, EIS 1, EIS EIS 3	2,		
		ECAM 1	FWC2: NO DATA FROM DMC1 OR 3	316334	1	316300 P 205 T 810 804
		ECAM 1	FWC2: NO DATA FROM DMC2 OR 3	316334	1	316300 P 207 T 810 806
R		ECAM 1	FWC2 : NO DATA FROM ECP	316112	1	315300 P 299 T 810 903
		ECAM 1	FWC2 : NO DATA FROM ECP associated with	316112	1	316100 P 201 T 810 801
		ECAM 2	FWC1 : NO DATA FROM ECP	316112	1	,
			ECAM 1, ECAM 2, EIS 1, EIS	5 2,		

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	WARNINGS/MALFUNCTIONS			FAULT ISOLATION			
	WARNINGS/MALFUNCTIONS	SOURCE		MESSAGE	ATA	С	!
R		ECAM 1	 	FWC2 : PIN PROG FAIL	315334	1	315300 P 219 T 810 817
R		ECAM 1	 	FWC2 : PIN PROG FAIL	315334	2	315300 P 219 T 810 817
		ECAM 1	. !	FWC2: NO DATA FROM SDAC2	315534	1	315300 P 297 T 810 901
		ECAM 1		SDAC1	315534	3	315400 PA226 T 810 919
		ECAM 1	. !	SDAC1 : ACCELEROMETER 6TU	313316	3	315400 P 291 T 810 892
		ECAM 1	į	SDAC1 : ACCELEROMETER 6TU associated with	313316	3	315400 P 295 T 810 894
		ECAM 1	ı	SDAC2 : ACCELEROMETER 6TU	313316	3	
		ECAM 1		SDAC1 : PIN PROG FAIL	315534	1	315400 PA243 T 810 928
		IDENT:	E	CAM 2			
		ECAM 1	 	SDAC2	315534	3	315400 PA227 T 810 920
		ECAM 1	. !	SDAC2 : ACCELEROMETER 6TU	313316	3	315400 P 293 T 810 893
		ECAM 1	j	SDAC2 : ACCELEROMETER 6TU	313316	3	315400 P 295 T 810 894
		ECAM 1	Ιİ	associated with SDAC1 : ACCELEROMETER 6TU	313316	3	
		ECAM 1		SDAC2 : PIN PROG FAIL	315534	1	315400 PA244 T 810 929
		IDENT:					

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	WARNINGS/MALFUNCTIONS		FAULT ISOLATION				
	WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	!	
		ECAM 2	ECP associated with	316134	1	316100 P 202 T 810 802	
		ECAM 1	ECP	316134	1	!!!	
ļ		IDENT: E					
		ECAM 2	ECP : NO DATA FROM DMC1 OR 3	316334	1	316100 P 204 T 810 808	
		ECAM 2	ECP : NO DATA FROM DMC2 OR 3	316334	1	316100 P 206 T 810 809	
R		ECAM 2	FWC1 : NO DATA FROM SDAC1	315534	1	315300 P 294 T 810 898	
		ECAM 2	FWC1 : NO DATA FROM SDAC1	315534	1	315400 P 205 T 810 808	
		IDENT: ECAM 1, EIS 1					
R		ECAM 2	FWC1 : NO DATA FROM SDAC2	315534	1	315300 P 296 T 810 900	
		ECAM 2	FWC1 : NO DATA FROM SDAC2	315534	1	315400 P 201 T 810 801	
		IDENT:					
		ECAM 2	FWC1 : NO DATA FROM DMC1 OR 3	316334	1	316300 P 204 T 810 803	
		ECAM 2	FWC1 : NO DATA FROM DMC2 OR 3	316334	1	316300 P 206 T 810 805	
R		ECAM 2	FWC1 : NO DATA FROM ECP	316112	1	315300 P 298 T 810 902	
		ECAM 2	FWC1 : NO DATA FROM ECP	316112	1	316100 P 201 T 810 801	
		ECAM 1	FWC2 : NO DATA FROM ECP	316112	1 L	,	
		IDENT: E					

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	HADNINGS /MALEUNGITONS		FAULT ISOLATION			
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!
		ECAM 2	FWC1 : PIN PROG FAIL	315334	1	315300 P 218 T 810 816
		ECAM 2	FWC1 : PIN PROG FAIL	315334	2	315300 P 218 T 810 816
R		ECAM 2	FWC2	315334	3	315300 PA201 T 810 905
		ECAM 2	FWC2 : NO DATA FROM OPPOSITE FWC	315334	2	315300 P 208 T 810 806
		ECAM 2	FWC2 : NO DATA FROM OPPOSITE FWC	315334	2	315300 P 207 T 810 805
		IDENT:	EIS 2			
R		ECAM 2	FWC2 : NO DATA FROM SDAC1	315534	1	315300 P 295 T 810 899
		ECAM 2	FWC2 : NO DATA FROM SDAC1	315534	1	315400 P 206 T 810 809
		IDENT: 6	ECAM 2, EIS 2	• -		
R		ECAM 2	FWC2 : NO DATA FROM SDAC2	315534	1	315300 P 297 T 810 901
		ECAM 2	FWC2 : NO DATA FROM SDAC2	315534	1	315400 P 202 T 810 802
		IDENT:				
		ECAM 2	FWC2 : NO DATA FROM DMC1 OR 3	316334	1	316300 P 205 T 810 804
		ECAM 2	FWC2 : NO DATA FROM DMC2 OR 3	316334	1	316300 P 207 T 810 806
R		ECAM 2	FWC2 : NO DATA FROM ECP	316112	1	315300 P 299 T 810 903

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	WARNINGS/MALFUNCTIONS		FAULT ISOLATION				
	WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	!	
		ECAM 2	FWC2 : NO DATA FROM ECP associated with	316112	1	316100 P 201 T 810 801	
		ECAM 1	FWC1 : NO DATA FROM ECP	316112	1		
			IDENT: ECAM 1, ECAM 2, EIS 1, EIS 2, EIS 3				
R		ECAM 2	SDAC1	315534	3	315400 PA226 T 810 919	
R		ECAM 2	SDAC1 : ACCELEROMETER 6TU	313316	3	315400 P 291 T 810 892	
R		ECAM 2	SDAC1 : ACCELEROMETER 6TU associated with	313316	3	315400 P 295 T 810 894	
		ECAM 2	SDAC2 : ACCELEROMETER	313316	3		
R		ECAM 2	SDAC1 : PIN PROG FAIL	315534	1	315400 PA243 T 810 928	
R		ECAM 2	SDAC2	315534	3	315400 PA227 T 810 920	
R		ECAM 2	SDAC2 : ACCELEROMETER 6TU	313316	3	315400 P 293 T 810 893	
R		ECAM 2	SDAC2 : ACCELEROMETER 6TU associated with	313316	3	315400 P 295 T 810 894	
		ECAM 2	SDAC1: ACCELEROMETER	313316	3		
R		ECAM 2	SDAC2 : PIN PROG FAIL	315534	1	315400 PA244 T 810 929	
		EIS 1	DMC 1 : NO DMCHS 3 DATA	316334	2	316381 PA200 T 810 856	
		EIS 1	DMC 1 : NO DMCHS 3 DATA	316334	2	316381 PA204 T 810 860	
		IDENT: I	010 000				
		EIS 1	DMC 1 : NO DMCLS 3 DATA	316334	2	316381 PA201 T 810 857	

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	LIADNINGS (MALEUNCTIONS		FAULT ISOLATION					
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE		
R		EIS 1	DMC 1 : NO DMCLS 3 DATA	316334	2	316381 PA205 T 810 861		
		IDENT: E	IDENT: EIS 2					
R		EIS 1	DMC 1 : NO ECP DATA	316112	2	316300 PA297 T 810 953		
		EIS 1	DMC1 -DU ECAM1 LINK	316322	2	316381 P 233 T 810 818		
R		EIS 1	DMC1 -DU ECAM2 LINK	316334	2	316381 PA226 T 810 879		
R		EIS 1	DMC1 : ALT DSPLY ERR	316334	1	316381 P 243 T 810 824		
R		EIS 1	DMC1 : ATT DSPLY ERR	316334	1	316381 P 241 T 810 823		
R		EIS 1	DMC1 : DU ECAM1 POS. PIN	316322	2	316381 P 247 T 810 826		
R		EIS 1	DMC1 : DU ECAM2 POS. PIN	316334	2	316381 PA227 T 810 880		
R		EIS 1	DMC1 : DU ND1 POS. PIN	316322	1	316381 P 275 T 810 840		
R		EIS 1	DMC1 : DU PFD1 POS. PIN	316322	1	316381 P 276 T 810 841		
R		EIS 1	DMC1 : ENG1 EGT DSPLY ERR	316334	1	316381 P 248 T 810 827		
R		EIS 1	DMC1 : ENG1 FF DSPLY ERR	316334	1	316381 P 252 T 810 829		
		EIS 1	DMC1 : ENG1 N1 DSPLY ERR	316334	1	316381 P 222 T 810 812		
 		EIS 1	DMC1 : ENG1 N2 DSPLY ERR	316334	1	316381 P 226 T 810 814		
R		EIS 1	DMC1 : ENG2 EGT DSPLY ERR	316334	1	316381 P 250 T 810 828		

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	WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES	S		FAULT ISOLATION
	WARNINGS/ MALFORCTIONS	SOURCE	MESSAGE	ATA	С	!
R		EIS 1	DMC1 : ENG2 FF DSPLY ERR	316334	1	316381 P 254 T 810 830
		EIS 1	DMC1 : ENG2 N1 DSPLY ERR	316334	1	316381 P 224 T 810 813
		EIS 1	DMC1 : ENG2 N2 DSPLY ERR	316334	1	316381 P 228 T 810 815
R		EIS 1	DMC1 : NO CHECK ATT MSG	316334	1	316381 P 245 T 810 825
		EIS 1	DMC1 : NO FWC1 DATA	315334	1	315300 P 209 T 810 810
R		EIS 1	DMC1 : NO FWC1 MSG	315334	1	316300 PB200 T 810 956
R		EIS 1	DMC1 : NO FWC2 DATA	315334	1	316300 PB214 T 810 963
R		EIS 1	DMC1 : NO FWC2 MSG	315334	1	316300 PB206 T 810 959
R		EIS 1	DMC1 : NO SDAC1 DATA	315534	1	316300 PA256 T 810 926
		EIS 1	DMC1: NO SDAC1 DATA	315534	1	315400 P 205 T 810 808
		IDENT: E	ECAM 1, EIS 1			
R		EIS 1	DMC1 : NO SDAC2 DATA	315534	1	316300 PA262 T 810 929
		EIS 1	DMC1 : NO SDAC2 DATA	315534	1	315400 P 201 T 810 801
		IDENT: E	ECAM 1, EIS 1	гт		
ļ		EIS 1	DMC1 : POSITION PIN	316334	2	316381 P 230 T 810 816
		EIS 1	DMC1 : PROGRAM PIN	316334	2	316381 P 230 T 810 816
		EIS 1	DMC1 : RECONF WIRING	316334	2	316381 P 231 T 810 817

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	WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES	 S		FAULT ISOLATION
	WARNINGS/MALFONCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE
		EIS 1	DMC1 :NO WXR1/2 CH2 DATA	314133	1	344100 P 223 T 810 807
		IDENT: 6	EIS 1, EIS 2, EIS 3			
R		EIS 1	DMC1-DU ND1 LINK	316322	1	316381 P 277 T 810 842
R		EIS 1	DMC1-DU PFD1 LINK	316322	1	316381 P 279 T 810 843
R		EIS 1	DMC2 associated with			316381 PA215 T 810 868
_		EIS 3	DMC2	316334		
R		EIS 1	DMC3 associated with			316381 PA216 T 810 869
		EIS 2	DMC3	316334	1	
R		EIS 1	DU ECAM1	316322	2	316381 PA217 T 810 870
R		EIS 1	DU ND1	316322	2	316381 PA219 T 810 872
R		EIS 1	DU PFD1	316322	2	316381 PA221 T 810 874
R		EIS 2	DMC1 associated with	316334	1	316381 PA214 T 810 867
		EIS 3	DMC1	316334	1	
R		EIS 2	DMC2 -DU ECAM1 LINK	316334		316381 PA225 T 810 878
	_	EIS 2	DMC2 -DU ECAM2 LINK	316322	2	316381 P 204 T 810 803
R		EIS 2	DMC2 -DU ND2 LINK	316322	2	316381 P 237 T 810 821
R		EIS 2	DMC2 -DU PFD2 LINK	316322	2	316381 P 239 T 810 822
R		EIS 2	DMC2 : ALT DSPLY ERR	316334	1	316381 P 295 T 810 853

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	HADNINGS (MALTHNOTTONS		CFDS FAULT MESSAGES	FAULT
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE ATA C	ISOLATION PROCEDURE
R		EIS 2	1 1	316381 P 293 T 810 852
R		EIS 2	DMC2 : DU ECAM1 POS. PIN 316334 2	316381 PA228 T 810 881
R		EIS 2	DMC2 : DU ECAM2 POS. PIN 316322 2	316381 P 299 T 810 855
		EIS 2		316381 P 235 T 810 819
R		EIS 2	DMC2 : DU PFD2 POS. PIN 316322 2	316381 P 236 T 810 820
R		EIS 2	1 1	316381 PA229 T 810 882
R		EIS 2	DMC2 : ENG1 FF DSPLY ERR 316334 1	316381 PA233 T 810 884
R		EIS 2	DMC2 : ENG1 N1 DSPLY ERR 316334 1	316381 PA237 T 810 886
R		EIS 2	DMC2 : ENG1 N2 DSPLY ERR 316334 1	316381 PA241 T 810 888
R		EIS 2		316381 PA231 T 810 883
R		EIS 2	DMC2 : ENG2 FF DSPLY ERR 316334 1	316381 PA235 T 810 885
R		EIS 2	DMC2 : ENG2 N1 DSPLY ERR 316334 1	316381 PA239 T 810 887
R		EIS 2	DMC2 : ENG2 N2 DSPLY ERR 316334 1	316381 PA223 T 810 877
R		EIS 2	!!!	316381 P 297 T 810 854
R		EIS 2		316381 PA202 T 810 858

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	HADNINGS /MALTHNOTIONS		CFDS FAULT MESSAGES			FAULT ISOLATION
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE
R		EIS 2	DMC2: NO DMCHS3 DATA	316334	2	316381 PA206 T 810 862
		IDENT:	EIS 1			1 010 002
R		EIS 2	DMC2 : NO DMCLS3 DATA	316334	2	316381 PA203 T 810 859
R		EIS 2	DMC2: NO DMCLS3 DATA	316334	2	316381 PA207 T 810 863
		IDENT:	EIS 1			
R		EIS 2	DMC2 : NO ECP DATA	316112	2	316300 PA298 T 810 954
		EIS 2	DMC2 : NO FWC1 DATA	315334	1	315300 P 211 T 810 811
R		EIS 2	DMC2 : NO FWC1 MSG	315334	1	316300 PB202 T 810 957
R		EIS 2	DMC2 : NO FWC2 DATA	315334	1	316300 PB212 T 810 962
R		EIS 2	DMC2 : NO FWC2 MSG	315334	1	316300 PB208 T 810 960
R		EIS 2	DMC2 : NO SDAC1 DATA	315534	1	316300 PA258 T 810 927
		EIS 2	DMC2 : NO SDAC1 DATA	315534	1	315400 P 206 T 810 809
		IDENT: 6	ECAM 2, EIS 2	-		1 610 607
R		EIS 2	DMC2 : NO SDAC2 DATA	315534	1	316300 PA264 T 810 930
		EIS 2	DMC2 : NO SDAC2 DATA	315534	1	315400 P 202 T 810 802
		IDENT: E	ECAM 2, EIS 2			
		EIS 2	DMC2 : POSITION PIN	316334	2	316381 P 201 T 810 801
		EIS 2	DMC2 : PROGRAM PIN	316334	2	316381 P 201 T 810 801

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TROUBLE SHOOTING MANUAL

	WARNINGS/MALFUNCTIONS	L	CFDS FAULT MESSAGES	 S		FAULT ISOLATION
	WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	!
		EIS 2	DMC2 : RECONF WIRING	316334	2	316381 P 202 T 810 802
R		EIS 2	DMC3 associated with			316381 PA216 T 810 869
	·	EIS 1	DMC3	316334	1	
R		EIS 2	DU ECAM2	316322	2	316381 PA218 T 810 871
R		EIS 2	DU ND2	316322	2	316381 PA220 T 810 873
R		EIS 2	DU PFD2	316322	2	316381 PA222 T 810 875
R		EIS 3	DMC1 associated with	316334	1	316381 PA214 T 810 867
İ		EIS 2	DMC1	316334	1	
R		EIS 3	DMC2 associated with			316381 PA215 T 810 868
		EIS 1	DMC2 	316334	1 	
		EIS 3	DMC3 -DU ECAM1 LINK	316322	2	316381 P 218 T 810 810
		EIS 3	DMC3 -DU ECAM2 LINK	316322	2	316381 P 220 T 810 811
R		EIS 3	DMC3 -DU ND1 LINK	316322	1	316381 P 283 T 810 846
R		EIS 3	DMC3 -DU ND2 LINK	316322	2	316381 P 289 T 810 850
R		EIS 3	DMC3 -DU PFD1 LINK	316322	1	316381 P 285 T 810 847
R		EIS 3	DMC3 -DU PFD2 LINK	316322	2	316381 P 291 T 810 851
R		EIS 3	DMC3 : ALT DSPLY ERR	316334	1	316381 P 259 T 810 832

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	HADNINGS (MALTHNOTTONS		CFDS FAULT MESSAGES	FAULT
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE ATA C	ISOLATION PROCEDURE
R		EIS 3	DMC3 : ATT DSPLY ERR 316334 1	316381 P 256 T 810 831
R		EIS 3	DMC3 : DU ECAM1 POS. PIN 316322 2	316381 P 265 T 810 834
R		EIS 3	DMC3 : DU ECAM2 POS. PIN 316322 2	316381 P 266 T 810 835
R		EIS 3	DMC3 : DU ND1 POS. PIN 316322 1	316381 P 281 T 810 844
R		EIS 3	DMC3 : DU ND2 POS. PIN 316322 2	316381 P 287 T 810 848
R		EIS 3	DMC3 : DU PFD1 POS. PIN 316322 1	316381 P 282 T 810 845
R		EIS 3	DMC3 : DU PFD2 POS. PIN 316322 2	316381 P 288 T 810 849
R		EIS 3	DMC3 : ENG1 EGT DSPLY 316334 1 ERR	316381 P 267 T 810 836
R		EIS 3	DMC3 : ENG1 FF DSPLY ERR 316334 1	316381 P 271 T 810 838
		EIS 3	DMC3 : ENG1 N1 DSPLY ERR 316334 1	316381 P 205 T 810 804
		EIS 3	DMC3 : ENG1 N2 DSPLY ERR 316334 1	316381 P 209 T 810 806
R		EIS 3	DMC3 : ENG2 EGT DSPLY 316334 1 ERR	316381 P 269 T 810 837
R		EIS 3	DMC3 : ENG2 FF DSPLY ERR 316334 1	316381 P 273 T 810 839
		EIS 3	DMC3 : ENG2 N1 DSPLY ERR 316334 1	316381 P 207 T 810 805
		EIS 3	DMC3 : ENG2 N2 DSPLY ERR 316334 1	316381 P 211 T 810 807

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	HADNINGS /MALEUNGITONS	CFDS FAULT MESSAGES				FAULT ISOLATION
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!!
		EIS 3	DMC3 : NO CHECK ATT MSG	316334	1	316381 P 262 T 810 833
		EIS 3	DMC3 : NO ECP DATA	316112	2	316300 PA299 T 810 955
		EIS 3	DMC3 : NO FWC1 DATA	315334	1	315300 P 216 T 810 814
		EIS 3	DMC3 : NO FWC1 DATA	315334	1	315300 P 214 T 810 813
		IDENT: (CFDS, EIS 3			
		EIS 3	DMC3 : NO FWC1 MSG	315334	1	316300 PB204 T 810 958
		EIS 3	DMC3 : NO FWC2 DATA	315334	1	316300 PB216 T 810 966
R		EIS 3	DMC3 : NO FWC2 DATA	315334	1	315300 PA213 T 810 915
	<u></u>	IDENT: (CFDS, EIS 3	 _		
		EIS 3	DMC3 : NO FWC2 MSG	315334	1	316300 PB210 T 810 961
		EIS 3	DMC3 : NO SDAC1 DATA	315534	1	316300 PA260 T 810 928
		EIS 3	DMC3 : NO SDAC2 DATA	315534	1	316300 PA266 T 810 931
		EIS 3	DMC3 : POSITION PIN	316334	2	316381 P 213 T 810 808
		EIS 3	DMC3 : PROGRAM PIN	316334	2	316381 P 213 T 810 808
		EIS 3	DMC3 : RECONF WIRING	316334	2	316381 P 214 T 810 809
		EIS 3	DU ECAM1	316322	1	316381 PA217 T 810 870
		EIS 3	DU ECAM2	316322	1	316381 PA218 T 810 871

EFF :	ALL		
SROS			

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	WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				
	WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	ISOLATION PROCEDURE
		EIS 3	DU ND1	316322	1	316381 PA219 T 810 872
		EIS 3	DU ND2	316322	1	316381 PA220 T 810 873
		EIS 3	DU PFD1	316322	1	316381 PA221 T 810 874
		EIS 3	DU PFD2	316322	1	316381 PA222 T 810 875
R		EIU1FAD	CFDIU, EIU (DATE), J3 ENG1A	313234	3	732500 P 288 T 810 905
R		EIU1FAD	CFDIU, EIU (DATE), J3 ENG1B	313234	3	732500 PA222 T 810 930
R		EIU1FAD	CFDIU, EIU (DATE), J3* ENG1A	313234	S	732500 P 288 T 810 905
R		EIU1FAD	CFDIU, EIU (DATE), J3* ENG1B	313234	S	732500 PA222 T 810 930
R		EIU1FAD	CFDIU, EIU (FLGT), J3 ENG1A	313234	3	732500 P 292 T 810 907
R		EIU1FAD	CFDIU, EIU (FLGT), J3 ENG1B	313234	3	732500 PA226 T 810 932
R		EIU1FAD	CFDIU, EIU (FLGT), J3* ENG1A	313234	S	732500 P 292 T 810 907
R		EIU1FAD	CFDIU, EIU (FLGT), J3* ENG1B	313234	S	732500 PA226 T 810 932
R		EIU1FAD	CFDIU, EIU (GMT), J3 ENG1A	313234	3	732500 P 284 T 810 903
R		EIU1FAD	CFDIU, EIU (GMT), J3 ENG1B	313234	3	732500 PA218 T 810 928
R		EIU1FAD	CFDIU, EIU (GMT), J3* ENG1A	313234	s	732500 P 284 T 810 903

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	WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES			FAULT ISOLATION	
	WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE ATA	С	1 1	
R		EIU1FAD	CFDIU, EIU (GMT), J3* 31323 ENG1B	4 s	732500 PA218 T 810 928	
		EIU1FAD	CFDIU, EIU (155), J3 31323 ENG1A	4 3	732500 P 274 T 810 895	
R		EIU1FAD	CFDIU, EIU (155), J3 31323 ENG1B	4 3	732500 PA240 T 810 942	
		EIU1FAD	CFDIU, EIU (155), J3* 31323 ENG1A	4 s	732500 P 274 T 810 895	
R		EIU1FAD	CFDIU, EIU (155), J3* 31323 ENG1B	4 s	732500 PA240 T 810 942	
		EIU1FAD	CFDIU, EIU (227), J3 31323	4 3	732500 P 280 T 810 899	
		EIU1FAD	CFDIU, EIU (227), J3 31323 ENG1A	4 3	732500 P 280 T 810 899	
R		EIU1FAD	CFDIU, EIU (227), J3 31323 ENG1B	4 3	732500 PA236 T 810 940	
		EIU1FAD	CFDIU, EIU (227), J3* 31323	4 s	732500 P 280 T 810 899	
		EIU1FAD	CFDIU, EIU (227), J3* 31323 ENG1A	4 s	732500 P 280 T 810 899	
R		EIU1FAD	CFDIU, EIU (227), J3* 31323 ENG1B	4 S	732500 PA236 T 810 940	
R		EIU2FAD	CFDIU, EIU (DATE), J3 31323 ENG2A	4 3	732500 P 290 T 810 906	
R		EIU2FAD	CFDIU, EIU (DATE), J3 31323 ENG2B	4 3	732500 PA224 T 810 931	
R		EIU2FAD	CFDIU, EIU (DATE), J3* 31323 ENG2A	4 s	732500 P 290 T 810 906	
R		EIU2FAD	CFDIU, EIU (DATE), J3* 31323 ENG2B	4 s	732500 PA224 T 810 931	

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	WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION
	WARNINGS/MALFORCTIONS	SOURCE	MESSAGE	ATA	С	!!
R		EIU2FAD	CFDIU, EIU (FLGT), J3 ENG2A	313234	3	732500 P 294 T 810 908
R		EIU2FAD	CFDIU, EIU (FLGT), J3 ENG2B	313234	3	732500 PA228 T 810 933
R		EIU2FAD	CFDIU, EIU (FLGT), J3* ENG2A	313234	S	732500 P 294 T 810 908
R		EIU2FAD	CFDIU, EIU (FLGT), J3* ENG2B	313234	S	732500 PA228 T 810 933
R		EIU2FAD	CFDIU, EIU (GMT), J3 ENG2A	313234	3	732500 P 286 T 810 904
R		EIU2FAD	CFDIU, EIU (GMT), J3 ENG2B	313234	3	732500 PA220 T 810 929
R		EIU2FAD	CFDIU, EIU (GMT), J3* ENG2A	313234	S	732500 P 286 T 810 904
R		EIU2FAD	CFDIU, EIU (GMT), J3* ENG2B	313234	S	732500 PA220 T 810 929
		EIU2FAD	CFDIU, EIU (155), J3 ENG2A	313234	3	732500 P 276 T 810 896
R		EIU2FAD	CFDIU, EIU (155), J3 ENG2B	313234	3	732500 PA242 T 810 943
		EIU2FAD	CFDIU, EIU (155), J3* ENG2A	313234	S	732500 P 276 T 810 896
R		EIU2FAD	CFDIU, EIU (155), J3* ENG2B	313234	S	732500 PA242 T 810 943
		EIU2FAD	CFDIU, EIU (227), J3	313234	3	732500 P 282 T 810 900
		EIU2FAD	CFDIU, EIU (227), J3 ENG2A	313234	3	732500 P 282 T 810 900
R		EIU2FAD	CFDIU, EIU (227), J3 ENG2B	313234	3	732500 PA238 T 810 941

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TROUBLE SHOOTING MANUAL

WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION	
WARNINGS/ MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!	
	EIU2FAD	CFDIU, EIU (227), J3*	313234	S	732500 P 282 T 810 900	
	EIU2FAD	CFDIU, EIU (227), J3* ENG2A	313234	S	732500 P 282 T 810 900	
	EIU2FAD	CFDIU, EIU (227), J3* ENG2B	313234	S	732500 PA238 T 810 941	
	FDIU	ACCELEROMETER	313316	2	313300 P 213 T 810 805	
	FDIU	DFDR	313355	1	313300 P 201 T 810 801	
	FDIU	DFDR PLAYBACK	313355	3	313300 P 215 T 810 806	
	FDIU	FDIU	313334	1	313300 P 204 T 810 802	
	FDIU	NO AC IDENT	313334	3	313300 P 218 T 810 807	
	FDIU	QAR	313352	2	313300 P 207 T 810 803	
	FDIU	QAR TAPE LOW	313352	2	313300 P 211 T 810 804	
	FDU 1	CHECK CFDIU/FDU ENG1 INTFC	313234	3	261200 P 287 T 810 840	
	FDU 2	CHECK CFDIU/FDU ENG2 INTFC	313234	3	261200 P 289 T 810 841	
	FUEL	NO DATA FROM CFDIU	313234	3	284200 PE231 T 810 846	
	GPS 1	CFDIU (1TW)/ GPSSU1 (1SN1)	313234	3	345800 P 241 T 810 823	
	GPS 2	CFDIU (1TW)/ GPSSU2 (1SN2)	313234	3	345800 P 242 T 810 824	

EFF: ALL SROS

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	WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES			
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	ISOLATION PROCEDURE
		GPWC	CFDIU(1TW)/GPWC(100SG)	313234	3	344300 PA218 T 810 853
		GPWC	CFDIU1 (1TW)/GPWC (1WZ)	313234	3	344800 P 214 T 810 808
		GPWC	DMC1/2/3(1WT1/2/3) /GPWC(100SG)	316334	3	344300 PA202 T 810 845
R		HF 1	CFDIU (1TW)/HF1 (3RE1)	313234	2	231100 P 253 T 810 819
R		HF 1	CFDIU (1TW)/HF1 (3RE1)	313234	3	231100 P 253 T 810 819
R		HF 1	HF1 NO DATA FROM CFDIU	313234	2	231100 P 253 T 810 819
R		HF 2	HF2 NO DATA FROM CFDIU	313234	2	231100 P 255 T 810 820
		ILS 1	CFDIU(1TW)/ILS1(2RT1)	313234	3	343600 P 256 T 810 826
		ILS 1	DMC1(1WT1)/ILS1(2RT1)	316234	1	316300 PB218 T 810 967
		ILS 2	CFDIU(1TW)/ILS2(2RT2)	313234	3	343600 P 257 T 810 827
		ILS 2	DMC2(1WT2)/ILS2(2RT2)	316234	1	316300 PB220 T 810 968
		IR 1	CFDIU (1TW)	313234	3	313200 PA278 T 810 925
		IR 1	CFDIU (1TW)/ADIRU1 (1FP1)	313234	3	341400 P 287 T 810 869
		IR 2	CFDIU (1TW)	313234	3	313200 PA279 T 810 926
		IR 2	CFDIU (1TW)/ADIRU2 (1FP2)	313234	3	341400 P 289 T 810 870

EFF : ALL
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	WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES			FAULT ISOLATION	
	WARNINGS/MALFONCTIONS	SOURCE	MESSAGE	ATA	С	!!!
		IR 3	CFDIU (1TW)	313234	3	313200 PA280 T 810 927
		IR 3	CFDIU (1TW)/ADIRU3 (1FP3)	313234	3	341400 P 290 T 810 871
R		LGCIU 1	LGCIU 1:NO DATA FROM CFDS	313234	1	323100 PA297 T 810 879
R		LGCIU 2	LGCIU 2: NO DATA FROM CFDS	313234	1	323100 PA297 T 810 879
		MDDU	CFDIU(1TW)/MDDU(1TD)	313234	3	313800 P 226 T 810 818
		MDDU	DISK/MDDU(1TD)	313800	1	313800 P 225 T 810 817
		MDDU	DMU(1TV)/MDDU(1TD)	313634	3	313800 P 227 T 810 819
		MDDU	MDDU(1TD)	313834	1	313800 P 222 T 810 814
		MDDU	MDDU(1TD) BUS1	313834	1	313800 P 223 T 810 815
		MDDU	MDDU(1TD) BUS3	313834	1	313800 P 224 T 810 816
		MMR 1	CFDIU(1TW)/MMR1(40RT1)	313234	3	343600 PA206 T 810 850
		MMR 2	CFDIU(1TW)/MMR2(40RT2)	313234	3	343600 PA207 T 810 851
[PRINTER	PRINTER	313522	3	313500 P 232 T 810 817
		RA 1	RADIO ALTM1 NO DATA FROM CFDIU	313234	2	344200 P 259 T 810 829
		RA 2	RADIO ALTM2 NO DATA FROM CFDIU	313234	2	344200 P 260 T 810 830

EFF: ALL

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	WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION
	WARNINGS/MALFONCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE
		RADAR 1	CFDIU (1TW)/WXR1 (1SQ1)	313234	3	344100 P 240 T 810 816
		RADAR 1	RADAR1 NO DATA FROM CFDIU	313234	2	344100 P 240 T 810 816
		RADAR 2	CFDIU (1TW)/WXR2 (1SQ2)	313234	3	344100 P 242 T 810 817
		RMP 123	CFDIU(1TW)/RMP1(1RG1)	313234	3	231300 P 281 T 810 847
		RMP 123	RMP1 : NO DATA FROM CFDIU	313234	2	231300 P 281 T 810 847
		SDU	CFDIU(1TW)/SDU1(105RV1)	313234	3	232800 P 227 T 810 815
R		SFCC 1	FLP1 NO CFDIU DATA	313234	1	275100 P 276 T 810 834
R		SFCC 1	NO CFDIU DATA CHECK WIRING TO FLP 1	313234	3	275100 P 276 T 810 834
R		SFCC 2	FLP2 NO CFDIU DATA	313234	1	275100 P 276 T 810 834
R		SFCC 2	NO CFDIU DATA CHECK WIRING TO FLP 2	313234	3	275100 P 276 T 810 834
		TCAS	CFDIU (1TW)/TCAS (1SG)	313234	3	344300 P 255 T 810 824
		TCAS	CFDIU (1TW)/TCAS (100SG)	313234	1	344300 P 255 T 810 824
		TEMPCTL	NO DATA FROM CFDS	313234	2	216300 P 278 T 810 829
		TEMPCTL	NO DATA FROM CFDS	313234	3	216300 P 278 T 810 829
		TOILET	CFDIU/VSC NO DATA	313234	3	383100 P 228 T 810 817

EFF: ALL SROS Printed in France 31-CFDS

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES			FAULT ISOLATION	
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!
	TOILET	NO CFDIU DATA	313234	3	383100 P 228 T 810 817
	VHF 1	CFDIU (1TW)/VHF1 (1RC1)	313234	3	231200 P 253 T 810 819
	VHF 1	VHF1 : NO DATA FROM CFDIU	313234	2	231200 P 253 T 810 819
	VHF 2	CFDIU (1TW)/VHF2 (1RC2)	313234	3	231200 P 255 T 810 820
	VHF 2	VHF2 : NO DATA FROM CFDIU	313234	2	231200 P 255 T 810 820
	VHF 3	CFDIU (1TW)/VHF3 (1RC3)	313234	3	231200 P 257 T 810 821
	VHF 3	VHF3 : NO DATA FROM CFDIU	313234	2	231200 P 257 T 810 821
	VOR 1	CFDIU(1TW)/VOR1(3RS1)	313234	3	345500 P 236 T 810 819
	VOR 1	CFDIU(1TW)/VOR1(3RS1)	313234	3	313200 P 202 T 810 809
	IDENT: ADF 1, ATC 1, DME 1, EIS 1, HF 1, ILS 1, RA 1, RADAR 1, RMP123, VHF 1, VOR 1		1 810 807		
	VOR 2	CFDIU(1TW)/VOR2(3RS2)	313234	3	345500 P 237 T 810 820
	VOR 2	CFDIU(1TW)/VOR2(3RS2)	313234		313200 P 297 T 810 873
	IDENT: ADF 2, ATC 2, DME 2, EIS 2, HF 2, ILS 2, RA 2, RADAR 2, VHF 2, VOR 2				
			304200 P 266 T 810 821		
	WHC 1	CHECK SDAC-WINDSHIELD WHC1 INTERFACE	315400	3	304200 P 264 T 810 819

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	WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES			FAULT ISOLATION	
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE
R		WHC 2	CHECK SDAC-WINDOWS WHC2	315400	3	304200 P 267 T 810 822
R		WHC 2	CHECK SDAC-WINDSHIELD WHC2 INTERFACE	315400	3	304200 P 265 T 810 820

EFF: ALL

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TROUBLE SHOOTING MANUAL

ELECTRICAL CLOCK - FAULT ISOLATION PROCEDURES

TASK 31-21-00-810-801

Failure of the Clock

- 1. Possible Causes
 - CLOCK (2FS)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM	31-21-21-000-001	Removal of the Clock (2FS)
AMM	31-21-21-400-001	Installation of the Clock (2FS)
AMM	31-32-00-740-003	Ground Scanning of the CFDIU

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	CLOCK/NORM/SPLY	6FS	F11

R **ON A/C 201-225, 227-227, 229-249, 276-299, 426-430, 476-480, 503-549,

R 551-557, 701-749,

121VU CLOCK/STBY/SPLY 4FS NO3

**ON A/C 250-275, 431-475, 481-499, 559-599,

121VU CLOCK/STBY/SPLY

4FS N02

**ON A/C ALL

SROS

- B. Test
 Do the ground scanning of the CFDIU (Ref. AMM TASK 31-32-00-740-003).
- 4. Fault Isolation
 - $\ensuremath{\text{\textbf{A.}}}$ If the test gives the maintenance message $\ensuremath{\text{\textbf{CLOCK}}}$:
 - replace the CLOCK (2FS), (Ref. AMM TASK 31-21-21-000-001) and (Ref. AMM TASK 31-21-21-400-001).

EFF: ALL

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B. Do the test given in Para. 3.B.

EFF: ALL
SROS

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TASK 31-21-00-810-802

Failure of the Power Supply of the Clock

- 1. Possible Causes
 - CLOCK (2FS)
 - wiring
 - C/B CLOCK/NORM/SPLY (6FS)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-21-21-000-001 Removal of the Clock (2FS)

AMM 31-21-21-400-001 Installation of the Clock (2FS)

ASM 31-21/01

- 3. Fault Confirmation
 - A. Test
 Not applicable, the fault is evident.
- 4. Fault Isolation
 - A. When the displays go off:
 - do a check of the status of the circuit breaker (6FS).
 - (1) If the circuit breaker (6FS) is closed:
 - replace the CLOCK (2FS), (Ref. AMM TASK 31-21-21-000-001) and (Ref. AMM TASK 31-21-21-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the clock (2FS) pin A/V to the circuit breaker (6FS), (Ref. ASM 31-21/01).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - replace the C/B CLOCK/NORM/SPLY (6FS).

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- (2) If the circuit breaker (6FS) is open:
 close the circuit breaker.
 - - 1 If the fault continues:- do a check and repair for a short to ground the wiring

between the circuit breaker (6FS) and the clock (2FS).

EFF: ALL 31-21-00

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TASK 31-21-00-810-803

Loss of the Bus Output from the Clock Detected by the AFS

- 1. Possible Causes
 - FMGC-1 (1CA1)
 - FMGC-2 (1CA2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 22-83-34-000-001 AMM 22-83-34-400-001 AMM 22-96-00-710-001 ASM 31-21/01	Installation of the FMGC (1CA1,1CA2)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION
49VU CLOCK/NORM/SPLY 6FS F11

B. Test

Do the operational test of the AFS (Ref. AMM TASK 22-96-00-710-001) and read the result for the FMGC 1 and the FMGC 2.

- 4. Fault Isolation
 - A. If the test gives the maintenance message AFS: CLOCK:
 - replace the FMGC-1 (1CA1), (Ref. AMM TASK 22-83-34-000-001) and (Ref. AMM TASK 22-83-34-400-001).
 - (1) If the fault continues:
 - replace the FMGC-2 (1CA2).
 - (a) If the fault continues:
 - do a check and repair the wiring from the FMGC 1 (1CA1) pins
 AA/13F, 13G to the first terminal block, (Ref. ASM 31-21/01).

EFF: ALL 31-

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- 1 If the fault continues:
 - do a check and repair the wiring from the FMGC 2 (1CA2) pins AA/13F, 13G to the first terminal block, (Ref. ASM 31-21/01).
- B. Do the test given in Para. 3.B.

EFF: ALL SROS 31-21-00

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TROUBLE SHOOTING MANUAL

TASK 31-21-00-810-804

Loss of the Bus Output from the Clock Detected by the CFDIU

- 1. Possible Causes
 - CLOCK (2FS)
 - CFDIU (1TW)
 - MMR-1 (40RT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-21-21-000-001	Removal of the Clock (2FS)
AMM	31-21-21-400-001	Installation of the Clock (2FS)
AMM	31-32-00-740-003	Ground Scanning of the CFDIU
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
AMM	34-36-31-000-002	Removal of the Multi Mode Receiver (40RT1, 40RT2)
AMM	34-36-31-400-002	Installation of the Multi Mode Receiver (40RT1,
		40RT2)
ASM	31-21/01	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU CLOCK/NORM/SPLY 6FS F11

- B. Do the ground scanning of the CFDIU (Ref. AMM TASK 31-32-00-740-003).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 701-749,
 - A. If the test gives the maintenance message:

CLOCK

- replace the CLOCK (2FS), (Ref. AMM TASK 31-21-21-000-001) and (Ref. AMM TASK 31-21-21-400-001).

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- (1) If the fault continues:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the clock (2FS) connector A/W, X to the CFDIU (1TW) connector AA/9H, 9J (Ref. ASM 31-21/01).
- R **ON A/C 247-275, 429-475, 481-499, 503-549, 551-599,
 - A. If the test gives the maintenance message:

CLOCK

- replace the CLOCK (2FS), (Ref. AMM TASK 31-21-21-000-001) and (Ref. AMM TASK 31-21-21-400-001).
- (1) If the fault continues:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
- (2) If the fault continues:
 - replace the MMR-1 (40RT1) (Ref. AMM TASK 34-36-31-000-002) and (Ref. AMM TASK 34-36-31-400-002).
- (3) If the fault continues
 - do a check and repair the wiring (Ref. ASM 31-21/01):
 - (a) from the Clock (2FS) connector A/W, X to the CFDIU (1TW) connector AA/9H, 9J.
 - (b) from the Clock (2FS) connector A/E, F to the MMR1 (40RT1) connector AB/9E, 9H.

**ON A/C ALL

B. Do the test given in Para. 3.B.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-21-00-810-805

Loss of the Bus Output from the Clock

- 1. Possible Causes
 - CLOCK (2FS)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-21-21-000-001 Removal of the Clock (2FS)
AMM 31-21-21-400-001 Installation of the Clock (2FS)
AMM 31-32-00-740-003 Ground Scanning of the CFDIU
ASM 31-21/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU CLOCK/NORM/SPLY

6FS F11

- B. Test
 Do the ground scanning of the CFDIU (Ref. AMM TASK 31-32-00-740-003).
- 4. Fault Isolation
 - A. If the test gives the maintenance message AFS:CLOCK:
 - replace the CLOCK (2FS), (Ref. AMM TASK 31-21-21-000-001) and (Ref. AMM TASK 31-21-21-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the clock (2FS) pins A/W, X
 to the first terminal block , (Ref. ASM 31-21/01).
 - B. Do the test given in Para. 3.B.

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TASK 31-21-00-810-806

Loss of the GMT Indication on the Lower ECAM DU

- 1. Possible Causes
 - CFDIU (1TW)

R - wiring

- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-21-00-750-002 Procedure to set the Clock AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

R ASM 31-32/03

3. Fault Confirmation

A. Table of the circuit breakers used in this procedure:

PANEL DESIGNATION IDENT. LOCATION

121VU CFDS/CFDIU/SPLY 2TW J18

B. Do the clock setting (Ref. AMM TASK 31-21-00-750-002).

4. Fault Isolation

- A. If the fault symptom is identified by GMT indication in amber crosses on the lower ECAM DU:
 - open the circuit breaker 2TW.
 - close the circuit breaker 2TW.
 - (1) If the circuit breaker trips:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (2) If the fault continues
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).

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- R B. If the Log book mentions the loss of expected time at waypoint on the ND:

 replace the CFDIU (1TW) and (Ref. AMM TASK 31-32-34-000-001). (Ref. AMM TASK 31-32-34-400-001)

 R (1) If the fault continues:
 - (a) For a DMC2 related fault (fault on the first officer side) - do a check and repair the wiring between the CFDIU (1TW) and the DMC 2 (1WT2) from pins AB/2H, 2J to pins AA/15D, 15E (Ref. ASM 31-32/03).
 - (b) For a DMC1 related fault (fault on the captain side) - do a check and repair the wiring between the CFDIU (1TW) and the DMC 1 (1WT1) from pins AA/2B, 2C to pins AA/15D, 15E (Ref. ASM 31-32/03).
- R C. Make sure that the GMT indication is shown on the lower ECAM DU.

R R

R R

R R

R R

R EFF: ALL
SROS

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R **ON A/C 247-275, 429-475, 481-499, 503-549, 551-599,

TASK 31-21-00-810-807

Loss of the link GPS/CLOCK

- 1. Possible Causes
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 34-36-00-740-003 BITE Test of the MMR ASM 31-21/01

- 3. Fault Confirmation
 - A. Not applicable, the fault is evident.
- 4. Fault Isolation
 - A. If the fault symptom is identified by the crew observation Clock not counting:

Do the test of the MMR (Ref. AMM TASK 34-36-00-740-003).

- (1) If the result to the test is NO
 - Proceed to the MMR trouble shooting
- (2) If the result to the test is YES
 - Do a check and repair the wiring from the MMR (40RT1) pin AB/9E, 9F to the CLOCK (2FS) pin A/E, F (Ref. ASM 31-21/01).

247-275, 429-475, 481-499, 503-549, 551-599,

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R **ON A/C ALL R TASK 31-21-00-810-808 R Loss of Synchronization between the Clock and the CMC R 1. Possible Causes R 2. Job Set-up Information R A. Referenced Information R REFERENCE DESIGNATION R AMM 31-21-00-750-801 R 3. Fault Confirmation R A. Test R (1) Do a print-out of a post flight report: R RESULT. R On the MCDU: On the MCDU: R 1. Turn the BRT knob. - The MCDU comes on. R 2. Push the MCDU MENU mode key. The MCDU MENU page comes into view. R 3. Push the line key adjacent to the - The MAINTENANCE MENU page comes into CMS indication. view. 4. Push the line key 1R adjacent to - The printer gives the post-flight the PRINT indication. R report print-out. R (2) Do a check of the time and the date: R - In the post-flight report header, and R

EFF: ALL

- On the clock (2FS).

R

31-21-00

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R 4. Fault Isolation

- R A. If the time and/or the date in the post-flight report header are different from the time and/or the date shown on the clock:
 R Do the procedure to set the clock (Ref. AMM TASK 31-21-00-750-801).
- R B. Do the test given in Para. 3.

EFF: ALL

31-21-00

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TROUBLE SHOOTING MANUAL

CENTRALIZED FAULT DISPLAY INTERFACE (CFDIU) - FAULT ISOLATION PROCEDURES

TASK 31-32-00-810-808

Failure of the CFDIU Backup

- 1. Possible Causes
 - CFDIU (1TW)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 31-32-00-740-003 AMM 31-32-34-000-001 AMM 31-32-34-400-001	Ground Scanning of the CFDIU Removal of the CFDIU (1TW) Installation of the CFDIU (1TW)	

- 3. Fault Confirmation
 - A. Test
 Do the ground scanning of the CFDIU (Ref. AMM TASK 31-32-00-740-003).
- 4. Fault Isolation
 - A. If the test gives the maintenance message CFDIU BACKUP:
 replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - B. Do the test given in Para. 3.

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SROS

EFF:

ALL

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TASK 31-32-00-810-809

Loss of the Bus 1 of the CFDIU Detected by the VOR 1

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

AMM 34-55-00-740-002 BITE Test of the VOR/MKR

ASM 31-32/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

TAREL DESIGNATION IDENTIFICATION IDENTIFICATION

R

49VU NAV/VOR/1

2RS1 G13

R

- B. Test Do the BITE test of the VOR/MKR (system 1) (Ref. AMM TASK 34-55-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message VOR1: NO DATA FROM CFDIU:
 replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B,
 2C to the first terminal block, (Ref. ASM 31-32/02).
 - B. Do the test given in Para. 3.B.

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TASK 31-32-00-810-810

Loss of the Bus Output from the BCL 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - BCL-1 (1PB1)
 - wiring from the CFDIU (1TW) to the BCL1 (1PB1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	24-38-34-000-001	Removal of the Battery Charge Limiter (BCL) (1PB1, 1PB2)	
AMM	24-38-34-400-001	Installation of the Battery Charge Limiter (BCL) (1PB1, 1PB2)	
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading	
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)	
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)	
ASM	31-32/06		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
105VU	ELEC/BAT REF/BCL1	9PB1	F01
105VU	ELEC/BAT BUS/REF/BCL1	8PB1	GO 1

R R

R

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

EFF: ALL

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4. Fault Isolation

- A. If the test gives the maintenance message NO BCL 1 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the BCL-1 (1PB1), (Ref. AMM TASK 24-38-34-000-001) and (Ref. AMM TASK 24-38-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the BCL1 (1PB1) from pins AA/7H, 7J to pins A/T, U , (Ref. ASM 31-32/06).
- B. Do the test given in Para. 3.B.

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TASK 31-32-00-810-811

Loss of the Bus Output from the BCL 2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - BCL-2 (1PB2)
 - wiring from the CFDIU (1TW) to the BCL 2 (1PB2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		 Rence 	DESIGNATION	
	АММ	24-38-34-000-001	Removal of the Battery Charge Limiter (BCL) (1PB1, 1PB2)	
	AMM	24-38-34-400-001	<pre>Installation of the Battery Charge Limiter (BCL) (1PB1, 1PB2)</pre>	
	AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading	
	AMM	31-32-34-000-001	Removal of the CFDIU (1TW)	
	AMM ASM	31-32-34-400-001 31-32/06	Installation of the CFDIU (1TW)	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
105VU	ELEC/BAT REF/BCL2	9PB2	F02
105VU	ELEC/BAT BUS/REF/BCL2	8PB2	J02

R R

R

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

EFF: ALL 31-

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4. Fault Isolation

- A. If the test gives the maintenance message NO BCL 2 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the BCL-2 (1PB2), (Ref. AMM TASK 24-38-34-000-001) and (Ref. AMM TASK 24-38-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the BCL 2 (1PB2) from pins AB/7B, 7C to pins A/T, U , (Ref. ASM 31-32/06).
- B. Do the test given in Para. 3.B.

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R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549,

R 551-599, 701-749,

TASK 31-32-00-810-812

Loss of the Bus Output from the GPCU to the CFDIU

- 1. Possible Causes
- R BAT BUS/301PP/SPLY (11PB)
 - CFDIU (1TW)
 - GPCU (1XG)
 - ELEC/GPCU (7XG)
 - wiring
 - 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R	24-0	0-00-810-803	Circuit Breaker Tripped and/or C/B TRIPPED Warning
	AMM	24-41-34-000-001	Removal of the Ground Power Control Unit (GPCU) (1XG)
	AMM	24-41-34-400-001	<pre>Installation of the Ground Power Control Unit (GPCU) (1XG)</pre>
	AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading
	AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
	AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
R	SIL	20-022	
	ASM	24-41/00	
	ASM	31-32/06	

3. Fault Confirmation

SROS

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
122VU	ELEC/EXT PWR/CTL	11XG	x29
122VU	ELEC/GPCU	7XG	Y24
12 3 VU	GND/PWR/PROT	2XG	AB07

B. On the CFDS MENU page, get access to the class 3 faults reading page (Ref. AMM TASK 31-32-00-869-002).

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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4. Fault Isolation

R A. If the test gives the maintenance message: R NO GPCU DATA R R - Do a check of the status of the circuit breaker BAT BUS/301PP/SPLY R (11PB) R (1) If the circuit breaker (11PB) is tripped: R - Do the trouble shooting procedure related to the tripped circuit breaker (Ref. TASK 24-00-00-810-803) and refer to (Ref. SIL 20-022) R R for more data. (a) If the fault continues: R - Replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and R R (Ref. AMM TASK 31-32-34-400-001). R 1 If the fault continues: R - Do a check and repair the wiring from the CFDIU (1TW) pins R R AA/6F, 6G to the GPCU (1XG) pins AA/7D, 7C, (Ref. ASM 31-32/06). R a If the fault continues: R - Continue the trouble shooting. R R B. If the fault continues: R - Do a check for 28VDC at GPCU (1XG) pin AB/15A (Ref. ASM 24-41/00). R (1) If there is 28VDC: R - Replace the GPCU (1XG), (Ref. AMM TASK 24-41-34-000-001) and (Ref. R AMM TASK 24-41-34-400-001). R R (2) If there is no 28VDC: - Do a check for open or short to ground of the wiring between the R circuit breaker ELEC/GPCU (7XG) and the GPCU (1XG) pin AB/15A. R R (a) If there is an open or a short to ground: R - Repair the defective wiring(s). R (b) If there is no open or short to ground: - Replace the defective circuit breaker ELEC/GPCU (7XG). R R C. Do the test given in Para. 3.B.

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-32-00-810-813

Loss of the Output Bus from the SDCU or the CIDS Director(s) to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - SDCU (10WQ)
 - wiring from the CFDIU (1TW) to the SDCU (10WQ)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	26-17-34-000-001	Removal of the Smoke-Detection Control Unit (SDCU) (10WQ)	
AMM	26-17-34-400-001	<pre>Installation of the Smoke-Detection Control Unit (SDCU) (10WQ)</pre>	
AMM	31-32-00-740-009	Read the AVIONICS STATUS on the MCDU	
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)	
AMM ASM	31-32-34-400-001 31-32/04	Installation of the CFDIU (1TW)	

- 3. Fault Confirmation
 - A. Read the AVIONICS STATUS on the MCDU (Ref. AMM TASK 31-32-00-740-009).
- 4. Fault Isolation

R

- A. If the test gives the maintenance message NO SDCU DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the SDCU (10WQ) (Ref. AMM TASK 26-17-34-000-001) and (Ref. AMM TASK 26-17-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the SDCU (10WQ) from pins AA/11H,11J to pins AB/3C, 4C , (Ref. ASM 31-32/04).
- B. Do the test given in Para. 3.

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-814

Loss of the Bus Output from the FDU of the Engine 1 to the CFDIU

1. Possible Causes

R

- FDU-ENG1 (2WD1)
- R CFDIU (1TW)
 - wiring from the CFDIU (1TW) to the FDU of the engine 1 (2WD1)
 - 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	26-12-34-000-001	Removal of the Engine Fire-Detection Unit (FDU) (2WD1,2WD2)	
AMM	26-12-34-400-001	<pre>Installation of the Engine Fire-Detection Unit (FDU) (2WD1,2WD2)</pre>	
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading	
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)	
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)	
ASM	31-32/06		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION		IDENT.	LOCATION
49VU	ENGINE/1/FIRE DET/LOOP A		7WD1	A06
121VU	ENGINE/ENG1/FIRE DET/LOOP	В	8WD1	Q38

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

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4. Fault Isolation

R

R R

R

R R

- A. If the test gives the maintenance message NO FDU 1 DATA:
- replace the FDU-ENG1 (2WD1), (Ref. AMM TASK 26-12-34-000-001) and (Ref. AMM TASK 26-12-34-400-001).
 - (1) If the fault continues:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the FDU of the engine 1 (2WD1) from pins AA/14B, 14C to pins A/G,F , (Ref. ASM 31-32/06).
 - B. Do the test given in Para. 3.B.

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EFF:

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-815

Loss of the Bus Output from the FDU of the Engine 2 to the CFDIU

1. Possible Causes

R

- FDU-ENG2 (2WD2)
- R CFDIU (1TW)
 - wiring from the CFDIU (1TW) to the FDU of the engine 2 (2WD2)
 - 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	26-12-34-000-001	Removal of the Engine Fire-Detection Unit (FDU) (2WD1,2WD2)
AMM	26-12-34-400-001	<pre>Installation of the Engine Fire-Detection Unit (FDU) (2WD1,2WD2)</pre>
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
ASM	31-32/06	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	ENGINE/2/FIRE DET/LOOP B	8WD2	A07
12 1VU	ENGINE/ENG2/FIRE DET/LOOP A	7WD2	Q39

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

EFF: ALL 31-32-00

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4. Fault Isolation

R

R R

R

R R

- A. If the test gives the maintenance message NO FDU 2 DATA:

 replace the FDU-FNG2 (2WD2) (Ref AMM TASK 26-12-34-000-001) and (Ref
- replace the FDU-ENG2 (2WD2), (Ref. AMM TASK 26-12-34-000-001) and (Ref. AMM TASK 26-12-34-400-001).
 - (1) If the fault continues:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the FDU of the engine 2 (2WD2) from pins AB/14H, 14J to pins A/G,F , (Ref. ASM 31-32/06).
 - B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-816

Loss of the Bus Output from the FDU of the APU to the CFDIU

1. Possible Causes

R

- FDU-APU (13WG)
- R CFDIU (1TW)
 - wiring from CFDIU (1TW) to the FDU of the APU (13WG)
 - 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
	- · · - · · · · · · · · · · · · · · · ·		
AMM	26-13-34-000-001	Removal of the APU Fire-Detection Unit (FDU) (13WG)	
AMM	26-13-34-400-001	<pre>Installation of the APU Fire-Detection Unit (FDU) (13WG)</pre>	
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading	
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)	
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)	
ASM	31-32/06		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
	APU/FIRE AND OVHT/DET/LOOP B	2WG	L44
12 1VU	APU/FIRE AND OVHT/DET/LOOP A	1WG	L43

B. On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

4. Fault Isolation

A. If the test gives the maintenance message NO FDU APU DATA:

R - replace the FDU-APU (13WG), (Ref. AMM TASK 26-13-34-000-001) and (Ref. AMM TASK 26-13-34-400-001).

(1) If the fault continues:

- replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).

R R

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- (a) If the fault continues:
 - do a check and repair the wiring from CFDIU (1TW) to the FDU of the APU (13WG) from pins AA/2D, 2E to pins A/G, F, (Ref. ASM 31-32/06).
- B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-817

Loss of the Bus Output from the SFCC 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-32-00-869-002 31-32-34-000-001 31-32-34-400-001	Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW) Installation of the CFDIU (1TW)
	31-32/04	The carraction of the orbits (The)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL D	ESIGNATION	IDENT.	LOCATION
49VU F	LIGHT CONTROLS/SLT FLP/POS/IND 1	1CN	B12
49VU F	LIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B07
49VU F	LIGHT CONTROLS/SLT/CTL AND MONG/SYS1	5CV	B06
105VU E	ELEC/HOT BUS/701PP SPLY	5PB1	DO1
105VU E	ELEC/HOT BUS/701PP SPLY	12PB1	E01

B. Test

R

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

4. Fault Isolation

- A. If the test gives the maintenance message NO SFCC 1 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from CFDIU (1TW) pins AA/4F, 4G to the first terminal block, (Ref. ASM 31-32/04).
- B. Do the test given in Para. 3.B.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-818

Loss of the Bus Output from the FCDC 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE

DESIGNATION

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

ASM 31-32/04

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

49VU FLIGHT CONTROLS/FCDC1/SPLY

20CE1

B10

B. Test

R

R

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message NO FCDC 1 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from CFDIU (1TW) pins AA/6H, 6J to the first terminal block , (Ref. ASM 31-32/04).
 - B. Do the test given in Para. 3.B.

31-32-00 EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-819

Loss of the Bus Output from the SFCC 2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-32-00-869-002	Procedure for Class 3 Faults Reading

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)
ASM 31-32/05

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

	PANEL	DESIGNATION	IDENT.	LOCATION
R				
R	105VU	ELEC/HOT BUS/702PP SPLY	5PB2	D02
R	105VU	ELEC/HOT BUS/702PP SPLY	12PB2	E02
R	121VU	FLIGHT CONTROLS/SLT FLP/POS/IND2	2CN	P16
	12 1VU	FLIGHT CONTROLS/FLP/CTL AND/MONG/SYS2	8CV	Q21
	12 1VU	FLIGHT CONTROLS/SLT/CTL/SYS2	7CV	R21

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

4. Fault Isolation

- A. If the test gives the maintenance message NO SFCC 2 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from CFDIU (1TW) pins AB/4D, 4E to the first terminal block, (Ref. ASM 31-32/05).
- B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-820

Loss of the Bus Output from the FCDC 2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-32-00-869-002 AMM 31-32-34-000-001 Procedure for Class 3 Faults Reading

AMM 31-32-34-400-001

Removal of the CFDIU (1TW) Installation of the CFDIU (1TW)

ASM 31-32/05

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

.....

IDENT. LOCATION

121VU FLIGHT CONTROLS/FCDC2/SPLY

20CE2

Q20

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

4. Fault Isolation

B. Test

R

R

- A. If the test gives the maintenance message NO FCDC 2 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from CFDIU (1TW) pins AB/6B, 6C to the first terminal block , (Ref. ASM 31-32/05).
- B. Do the test given in Para. 3.B.

31-32-00 EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-821

Loss of the Bus Output from the FQIC to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - FQIC (3QT)
 - wiring from the CFDIU (1TW) to the FQIC (3QT)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM 28-42-34-000-001		Removal of the Fuel Quantity-Indicating Computer (FQIC) (3QT)	
	AMM	28-42-34-400-001	<pre>Installation of the Fuel Quantity-Indicating Computer (FQIC) (3QT)</pre>	
R	AMM AMM AMM ASM	31-32-00-869-002 31-32-34-000-001 31-32-34-400-001 31-32/04	Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW) Installation of the CFDIU (1TW)	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	FUEL/FQI/CHAN/1	1QT	A13
121VU	FUEL/FQI/CHANNEL/1 AND 2	8QT	L26
121VU	FUEL/FQI/CHAN/2	2QT	M27

B. Test

R

R

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

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4. Fault Isolation

- R **ON A/C 201-225, 227-227, 229-275, 426-475, 551-599, 701-749,
 - A. If the test gives the maintenance message NO FQI DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the FQIC (3QT), (Ref. AMM TASK 28-42-34-000-001) and (Ref. AMM TASK 28-42-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the FQIC (3QT) from pins AA/5F, 5G to pins AB/12F, 13F, (Ref. ASM 31-32/04).

**ON A/C 276-299, 476-499, 503-549,

- A. If the test gives the maintenance message NO FQI DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the FQIC (3QT), (Ref. AMM TASK 28-42-34-000-001) and (Ref. AMM TASK 28-42-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the FQIC (3QT) from pins AA/5F, 5G to pins AB/8E, 8F (Ref. ASM 31-32/04).

**ON A/C ALL

B. Do the test given in Para. 3.B.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-822

Loss of the Output Bus from the DMU or FDIMU to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - DMU (1TV)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	DESIGNATION	
AMM 31-32-34-000-001 Removal of the AMM 31-32-34-400-001 Installation of AMM 31-36-34-000-001 Removal of the AMM 31-36-34-000-002 Removal of the AMM 31-36-34-400-001 Installation of AMM 31-36-34-400-001	ICS STATUS on the MCDU CFDIU (1TW) f the CFDIU (1TW) Data Management Unit (DMU) (1TV) FDIU/DMU (FDIMU) (10TV) f the Data Management Unit (DMU) (1TV) f the FDIU/DMU (FDIMU) (10TV)	

- 3. Fault Confirmation
- A. Read the AVIONICS STATUS on the MCDU (Ref. AMM TASK 31-32-00-740-009).
 - 4. Fault Isolation
 - A. If the test gives the maintenance message NO DMU DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the DMU (1TV) (if DMU installed) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).

or

- replace the DMU/FDIU (FDIMU) (10TV) (if FDIMU installed) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- (a) If the fault continues:
 - do a check and repair the wiring (Ref. ASM 31-36/01):

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from the CFDIU (1TW) pins AB/3F, 3G to the DMU (1TV) (if DMU installed) pins AA/11E, 11F.

or

- 2 from the CFDIU (1TW) pins AB/3F, 3G to the FDIMU (10TV) (if FDIMU installed) pins AA/11E, 11F.
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-824

Loss of the Output Bus from the FDIU or FDIMU to the CFDIU

1. Possible Causes

- CFDIU (1TW)
- FDIU (2TU)
- DMU/FDIU (FDIMU) (10TV)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
	74 72 00 740 007	Consideration of the OFFI	
AMM	31-32-00-740-003	Ground Scanning of the CFDIU	
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)	
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)	
AMM	31-33-34-000-001	Removal of the Flight Data Interface Unit (FDIU) (2TU)	
AMM	31-33-34-400-001	<pre>Installation of the Flight Data Interface Unit (FDIU) (2TU)</pre>	
AMM	31-36-34-000-002	Removal of the FDIU/DMU (FDIMU) (10TV)	
AMM	31-36-34-400-002	Installation of the FDIU/DMU (FDIMU) (10TV)	
ASM	31-36/01	1.0000000000000000000000000000000000000	

3. Fault Confirmation

A. Test

Do the ground scanning of the CFDIU (Ref. AMM TASK 31-32-00-740-003).

4. Fault Isolation

- A. If the test gives the maintenance message NO FDIU DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the FDIU (2TU) (if FDIU installed) (Ref. AMM TASK 31-33-34-000-001) and (Ref. AMM TASK 31-33-34-400-001)

or

- replace the DMU/FDIU (FDIMU) (10TV) (if FDIMU installed) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).

EFF: ALL

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- (a) If the fault continues
 - do a check and repair the wiring (Ref. ASM 31-36/01):
- R 1 from the CFDIU (1TW) to the FDIU (2TU) (if installed), from pins AB/8B, 8C to pins AB/9J, 9K.

or

- R 2 from the CFDIU (1TW) to the FDIMU (10TV) (if installed), from pins AB/8B, 8C to pins AA/12E, 12F.
 - B. Do the test given in Para. 3.

EFF: ALL
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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-826

Loss of the Bus Output from the VOR/MKR Receiver 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

KELEKENCE DE2

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

ASM 31-32/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU NAV/VOR/1 2RS1 G13

R

R

B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

4. Fault Isolation

- A. If the test gives the maintenance message NO VOR 1 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/6B,
 6C to the first terminal block , (Ref. ASM 31-32/02).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-827

Loss of the Bus Output from the ADF 1 Receiver to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

ASM 31-32/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION ______

IDENT. LOCATION

49VU NAV/ADF/1 1RP1 H14

B. Test

R

R

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message NO ADF 1 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/12B,12C to the first terminal block , (Ref. ASM 31-32/02).
 - B. Do the test given in Para. 3.B.

31-32-00 EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-828

Loss of the Bus 3 Output from the ADIRU 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading
AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
ASM 31-32/02

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	NAV PROBES/ADIRU 1/AND AOA 1/26VAC	5FP1	F07
49VU	NAV PROBES/ADIRU1/115VAC	4FP1	F06
105VU	ADIRS/ADIRU1/28VDC	6FP1	C02

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

4. Fault Isolation

- A. If the test gives the maintenance message NO IR 1 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2F,
 2G to the first terminal block , (Ref. ASM 31-32/02).
- B. Do the test given in Para. 3.B.

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-829

Loss of the Bus Output from the ATC Transponder 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - XPDR-ATC/MODE S, 1 (1SH1)
 - wiring from the CFDIU (1TW) to the ATC transponder 1 (1SH1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
	74 70 00 040 000	
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
AMM	34-52-33-000-001	Removal of the ATC/Mode S Transponder (1SH1, 1SH2)
AMM	34-52-33-400-001	<pre>Installation of the ATC/Mode S Transponder (1SH1,1SH2)</pre>
ASM	31-32/02	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

R 49VU COM NAV/ATC/1

5SH1 G11

B. Test
On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

EFF: ALL 31-32-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the test gives the maintenance message NO ATC 1 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the XPDR-ATC/MODE S, 1 (1SH1), (Ref. AMM TASK 34-52-33-000-001) and (Ref. AMM TASK 34-52-33-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the ATC transponder 1 (1SH1) from pins AA/8B, 8C to pins AB/6C, 6D, (Ref. ASM 31-32/02).
- B. Do the test given in Para. 3.B.

31-32-00

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EFF:

ALL

@A319/A320/A321

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-830

Loss of the Bus Output from the Weather Radar Transceiver 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - XCVR-WEATHER RADAR, 1 (1SQ1)
 - wiring from the CFDIU (1TW) to the weather radar transceiver 1 (1SQ1)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
R		31-32-00-869-002 31-32-34-000-001	Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW)	
	AMM	31-32-34-400-001	Installation of the CFDIU (1TW)	
		34-41-33-000-004 34-41-33-400-003	Removal of the Weather Radar Transceiver (1SQ1, 1SQ2) Installation of the Weather Radar Transceiver (1SQ1,	
	ASM	31-32/02	1SQ2)	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______ 5SQ1 K 13

121VU COM NAV/RADAR/1

B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

31-32-00 EFF: ALL

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R

R

TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the test gives the maintenance message NO RADAR 1 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the XCVR-WEATHER RADAR, 1 (1SQ1), (Ref. AMM TASK 34-41-33-000-004) and (Ref. AMM TASK 34-41-33-400-003).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the weather radar transceiver 1 (1SQ1) from pins AA/11B, 11C to pins AB/1J, 1K, (Ref. ASM 31-32/02).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-831

Loss of the Bus Output from the DME Interrogator 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

ASM 31-32/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______

49VU NAV/DME/1 1SD1 G14

B. Test

R

R

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message NO DME 1 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/7B, 7C to the first terminal block , (Ref. ASM 31-32/02).
 - B. Do the test given in Para. 3.B.

31-32-00 EFF: ALL

SROS

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-832

Loss of the Bus Output from the ILS Receiver 1 or MMR 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading AMM 31-32-34-000-001 Removal of the CFDIU (1TW) ASM 31-32/02

3. Fault Confirmation

R **ON A/C 201-225, 227-227, 229-245, 276-299,

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU NAV/ILS/1 1RT1

**ON A/C 247-275, 426-499, 503-549, 551-599, 701-749,

B. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION
49VU NAV/MMR/1 42RT1 G12

**ON A/C ALL

C. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

EFF: ALL 31-32-00

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TROUBLE SHOOTING MANUAL

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-245, 276-286,
 - A. If the test gives the maintenance message NO ILS 1 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/5B,
 5C to the first terminal block , (Ref. ASM 31-32/02).

**ON A/C 247-275, 287-299, 426-499, 503-549, 551-599, 701-749,

- A. If the test gives the maintenance message NO MMR 1 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/5B,
 5C to the first terminal block , (Ref. ASM 31-32/02).

**ON A/C ALL

B. Do the test given in Para. 3.B.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-833

Loss of the Bus Output from the RA Transceiver 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading
AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
ASM 31-32/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/RAD ALTM/1

1SA1 K11

- B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message NO RA 1 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/10B,
 10C to the first terminal block, (Ref. ASM 31-32/02).
 - B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-834

Loss of the Bus 3 Output from the ADIRU 2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION		
AMM 31-32-00-869-002 AMM 31-32-34-000-001 AMM 31-32-34-400-001	Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW) Installation of the CFDIU (1TW)		

ASM 31-32/03

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT. LOCATION

R **ON A/C 201-225, 227-227, 229-249, 276-299, 426-430, 476-480, 503-549, R 551-557, 701-749,

121VU ADIRS/ADIRU/2/26VAC AND AOA	5FP2	N09
121VU ADIRS/ADIRU/2/115VAC	4FP2	N07
121VU ADIRS/ADIRU/2/28VDC	6FP2	N05

**ON A/C 250-275, 431-475, 481-499, 559-599,

121VU ADIRS/ADIRU/2/26VAC AND AOA	5FP2	N08
121VU ADIRS/ADIRU/2/115VAC	4FP2	N06
121VU ADIRS/ADIRU/2/28VDC	6FP2	N04

**ON A/C ALL

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

EFF: ALL
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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the test gives the maintenance message NO IR 2 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/2D,
 2E to the first terminal block , (Ref. ASM 31-32/03).
- B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-835

Loss of the Bus Output from the ATC Transponder 2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - XPDR-ATC/MODE S, 2 (1SH2)
 - wiring from the CFDIU (1TW) to the ATC transponder 2 (1SH2)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM AMM	31-32-00-869-002 31-32-34-000-001 31-32-34-400-001	Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW) Installation of the CFDIU (1TW)
AMM	34-52-33-000-001	Removal of the ATC/Mode S Transponder (1SH1, 1SH2)
AMM	34-52-33-400-001	Installation of the ATC/Mode S Transponder (1SH1,1SH2)
ASM	31-32/03	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/ATC/2 5SH2 K07

B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

EFF: ALL 31-32-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the test gives the maintenance message NO ATC 2 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the XPDR-ATC/MODE S, 2 (1SH2), (Ref. AMM TASK 34-52-33-000-001) and (Ref. AMM TASK 34-52-33-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the ATC transponder 2 (1SH2) from pins AB/8H, 8J to pins AB/6C, 6D , (Ref. ASM 31-32/03).
- B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-836

Loss of the Bus Output from the VOR/MKR Receiver 2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

ASM 31-32/03

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/VOR/2

2RS2 K08

- - On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).
- 4. Fault Isolation

B. Test

A. If the test gives the maintenance message:

NO VOR 2 DATA:

- replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/6H, 6J to the first terminal block , (Ref. ASM 31-32/03).
- B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-837

Loss of the Bus Output from the DME Interrogator 2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading AMM 31-32-34-000-001 Removal of the CFDIU (1TW) ASM 31-32/03

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/DME/2

1SD2 K06

- B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

NO DME 2 DATA:

- replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/7H,
 7J to the first terminal block , (Ref. ASM 31-32/03).
- B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-838

Loss of the Bus Output from the ILS Receiver 2 or MMR 2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

Procedure for Class 3 Faults Reading AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

ASM 31-32/03

3. Fault Confirmation

AMM 31-32-00-869-002

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______

R **ON A/C 201-225, 227-227, 229-245, 276-299,

121VU COM NAV/ILS/2 1RT2 K09

**ON A/C 247-249, 426-430, 476-480, 503-549, 551-557, 701-749,

121VU COM NAV/MMR/2 42RT2 K09

**ON A/C 250-275, 431-475, 481-499, 559-599,

121VU COM NAV/MMR/2 42RT2 L07

**ON A/C ALL

B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

31-32-00 EFF: ALL

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-245, 276-286,

- A. If the test gives the maintenance message: NO ILS 2 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/5H,
 5J to the first terminal block , (Ref. ASM 31-32/03).

**ON A/C 247-275, 287-299, 426-499, 503-549, 551-599, 701-749,

- A. If the test gives the maintenance message: NO MMR 2 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/5H,
 5J to the first terminal block , (Ref. ASM 31-32/03).

**ON A/C ALL

B. Do the test given in Para. 3.B.

31-32-00

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SROS

EFF:

ALL

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-839

Loss of the Bus Output from the RA Transceiver 2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading AMM 31-32-34-000-001 Removal of the CFDIU (1TW) ASM 31-32/03

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/RAD ALTM/2

1SA2 K12

B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

NO RA 2 DATA:

- replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/10H,
 10J to the first terminal block , (Ref. ASM 31-32/03).
- B. Do the test given in Para. 3.B.

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2

EFF: ALL

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R **ON A/C 251-251, 476-478,

TASK 31-32-00-810-840

Loss of the Bus Output from the ADF Receiver 2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-32-00-869-002	Procedure for Class 3 Faults Reading

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading AMM 31-32-34-000-001 Removal of the CFDIU (1TW) ASM 31-32-03

- 3. Fault Confirmation
- R **ON A/C 251-251, 476-478,
- R Post SB 34-1063 For A/C 251-251,
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

**ON A/C 476-478,

121VU COM NAV/ADF/2

1RP2 K02

- R **ON A/C 251-251, 476-478,
- R Post SB 34-1063 For A/C 251-251,
 - B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

R EFF: 251-251, 476-478, SROS 31-32-00

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- R **ON A/C 251-251, 476-478,
 - 4. Fault Isolation
- R **ON A/C 251-251, 476-478,
- R Post SB 34-1063 For A/C 251-251,
 - A. If the test gives the maintenance message: NO ADF 2 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/12H, 12J to the first terminal block, (Ref. ASM 31-32/03).
 - B. Do the test given in Para. 3.B.

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EFF:

251-251, 476-478,

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R **ON A/C 457-475, 560-560,
R TASK 31-32-00-810-841
R Loss of the Bus Output from the Weather Radar Transceiver 2 to the CFDIU
R 1. Possible Causes
R
    - CFDIU (1TW)
     - XCVR-WEATHER RADAR, 2 (1SQ2)
    - wiring from the CFDIU (1WT) to the weather radar transceiver 2 (1SQ2)
R 2. Job Set-up Information
R
    A. Referenced Information
  ______
  REFERENCE
                       DESIGNATION
  ______
      31-32-00-869-002
R
  AMM
                       Procedure for Class 3 Faults Reading
  AMM 31-32-34-000-001
                       Removal of the CFDIU (1TW)
 AMM 31-32-34-400-001
                       Installation of the CFDIU (1TW)
  AMM 34-41-33-000-004
                       Removal of the Weather Radar Transceiver (1SQ1, 1SQ2)
  AMM 34-41-33-400-003
                       Installation of the Weather Radar Transceiver (1SQ1,
R
                       1SQ2)
R
R ASM 31-32/03
R 3. Fault Confirmation
R
    A. Make sure that this(these) circuit breaker(s) is(are) closed:
  PANEL DESIGNATION
                                                       IDENT. LOCATION
  ______
R **ON A/C 560-560,
R
  121VU COM NAV/RADAR/2
                                                       5SQ2
                                                               K14
R **ON A/C 457-475, 560-560,
    B. Test
R
       On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM
R
       TASK 31-32-00-869-002).
```

R EFF: 457-475, 560-560, SROS

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R 4. Fault Isolation

- R A. If the test gives the maintenance message: R NO RADAR 2 DATA: - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM R TASK 31-32-34-400-001). R R (1) If the fault continues: - replace the XCVR-WEATHER RADAR, 2 (1SQ2), (Ref. AMM TASK 34-41-33-000-004) and (Ref. AMM TASK 34-41-33-400-003). R (a) If the fault continues: R R - do a check and repair the wiring from the CFDIU (1WT) to the weather radar transceiver 2 (1SQ2) from pins AB/11H, 11J to R R pins AB/1J, 1K , (Ref. ASM 31-32/03).
- R B. Do the test given in Para. 3.B.

457-475, 560-560,

31-32-00

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EFF:

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**ON A/C ALL

TASK 31-32-00-810-842

Loss of the Bus 3 Output from the ADIRU 3 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring

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- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION	
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading	
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)	
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)	
ASM	31-32/04		
		is(these) circuit breaker(s) is(are) closed:IDENT.	 LOCATION
PANE		IDENT.	
 PANE 49	L DESIGNATIONVU NAV PROBES/ADIRU	IDENT.	
 PANE 49 **0N 551-	L DESIGNATIONVU NAV PROBES/ADIRU	IDENT. 3/PWR/SWTG 8FP 27, 229-249, 276-299, 426-430, 476-480, 503-549,	
 PANE 49 **0N 551-	L DESIGNATION	IDENT. 3/PWR/SWTG 8FP 27, 229-249, 276-299, 426-430, 476-480, 503-549, /SWTG 9FP	F09 N10
 PANE 49 **0N 551- 121	L DESIGNATION VU NAV PROBES/ADIRUS A/C 201-225, 227-22 557, 701-749, VU ADIRS/ADIRU/3PWR	IDENT. 3/PWR/SWTG 8FP 27, 229-249, 276-299, 426-430, 476-480, 503-549, /SWTG 9FP VAC AND AOA 5FP3	F09 N10 N08

EFF: ALL

**ON A/C 250-275, 431-475, 481-499, 559-599,

121VU ADIRS/ADIRU/3PWR/SWTG

121VU ADIRS/ADIRU/3/115VAC

121VU ADIRS/ADIRU/3/28VDC

121VU ADIRS/ADIRU/3/26VAC AND AOA

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9FP

5FP3

4FP3

6FP3

N09

N07

N05

N03

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**ON A/C ALL

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

4. Fault Isolation

- A. If the test gives the maintenance message:
 NO IR 3 DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/13F, 13G to the first terminal block, (Ref. ASM 31-32/04).
- B. Do the test given in Para. 3.B.

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TASK 31-32-00-810-843

Loss of the Bus Output from the GPWC to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - GPWC (1WZ)
 - wiring from the CFDIU (1TW) to the GPWC (1WZ)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-32-00-869-002 AMM 31-32-34-000-001 AMM 31-32-34-400-001 AMM 34-48-34-000-001 AMM 34-48-34-400-001 ASM 31-32/05	Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW) Installation of the CFDIU (1TW) Removal of the GPWC (1WZ) Installation of the GPWC (1WZ)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU EIS/GPWS/28VDC 2WZ P06

R **ON A/C 201-225, 227-227, 229-245, 254-299, 426-499, 503-549, 551-599, R 701-749,

121VU EIS/GPWS/115VAC 3WZ PO7

**ON A/C ALL

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

EFF: ALL 31-32-00

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4. Fault Isolation

- A. If the test gives the maintenance message NO GPWC DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the GPWC (1WZ), (Ref. AMM TASK 34-48-34-000-001) and (Ref. AMM TASK 34-48-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the GPWC (1WZ) from pins AB/10H, 10J to pins AB/1C, 1D, (Ref. ASM 31-32/05).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-32-00

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TASK 31-32-00-810-845

Loss of the Bus Output from the TCAS Computer to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - CMPTR-TCAS (1SG)
 - wiring from the CFDIU (1TW) to the TCAS computer (1SG)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-32-00-869-002 AMM 31-32-34-000-001 AMM 31-32-34-400-001 AMM 34-43-34-000-001 AMM 34-43-34-400-001 ASM 31-32/05	Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW) Installation of the CFDIU (1TW) Removal of the TCAS Computer (1SG) Installation of the TCAS Computer (1SG)

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

R **ON A/C 201-225, 227-227, 229-245, 254-299, 426-499, 503-549, 551-599, R 701-749,

121VU COM NAV/TCAS 4SG K10

**ON A/C ALL

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

EFF: ALL 31-32-00

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4. Fault Isolation

- A. If the test gives the maintenance message:
 NO TCAS DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the CMPTR-TCAS (1SG), (Ref. AMM TASK 34-43-34-000-001) and (Ref. AMM TASK 34-43-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the TCAS computer (1SG) from pins AA/4H, 4J to pins AF/6E, 6F, (Ref. ASM 31-32/05).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-32-00

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TASK 31-32-00-810-846

Loss of the Bus Output from the BMC 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

REFERENCE PESIGNATION

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

ASM 31-32/04

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION		IDENT.	LOCATION
49VU	AIR BLEED/ENG	1/CTL	3HA1	D12
49VU	AIR BLEED/ENG	1/MONG	2HA1	D11

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

NO BMC 1 DATA:

- replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/7D,
 7E to the first terminal block , (Ref. ASM 31-32/04).
- B. Do the test given in Para. 3.B.

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R

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EFF:

ALL

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-847

Loss of the Bus Output from the BMC 2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-400-001 Removal of the CIDIO (11#)

AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

ASM 31-32/05

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
122VU	AIR BLEED/ENG 2/CTL	3HA2	z23
122VU	AIR BLEED/ENG 2/MONG	2HA2	Z22

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

NO BMC 2 DATA:

- replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/7F,
 7G to the first terminal block , (Ref. ASM 31-32/05).
- B. Do the test given in Para. 3.B.

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R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,

TASK 31-32-00-810-848

Loss of the Output Bus from the Vacuum System Controller or the CIDS Director (s) to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - CONTROLLER-VACUUM SYSTEM (31MG)
 - wiring from the CFDIU (1TW) to the vacuum system controller (31MG)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-32-00-740-009 AMM 31-32-34-000-001 AMM 31-32-34-400-001 AMM 38-31-34-000-001 AMM 38-31-34-400-001 ASM 31-32/03	Read the AVIONICS STATUS on the MCDU Removal of the CFDIU (1TW) Installation of the CFDIU (1TW) Removal of the Vacuum System Controller 31MG Installation of the Vacuum System Controller 31MG

- 3. Fault Confirmation
 - A. Read the AVIONICS STATUS on the MCDU (Ref. AMM TASK 31-32-00-740-009).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - NO VSC DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the CONTROLLER-VACUUM SYSTEM (31MG), (Ref. AMM TASK 38-31-34-000-001) and (Ref. AMM TASK 38-31-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the vacuum system controller (31MG) from pins AB/4F, 4G to pins AB/3C, 4C, (Ref. ASM 31-32/03).
 - B. Do the test given in Para. 3.

EFF: 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, 701-749,

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**ON A/C ALL

TASK 31-32-00-810-849

Loss of the Bus Output from the ECB to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
ASM	31-32/04	

- 3. Fault Confirmation
 - A. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - NO ECB DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/10F, 10G to the first terminal block , (Ref. ASM 31-32/04).
 - B. Do the test given in Para. 3.

31-32-00 ALL

EFF:

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TASK 31-32-00-810-850

Failure of the CFDIU Detected by the ADF 1

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)
AMM 34-53-00-740-003 BITE Test of the ADF
ASM 31-32/02

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU NAV/ADF/1 1RP1 H14

B. Test
Do the BITE test of the ADF (system 1) (Ref. AMM TASK 34-53-00-740-003).

- 4. Fault Isolation
 - A. If the test gives the maintenance message ADF1 NO DATA FROM CFDIU:
 replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B,
 2C to the first terminal block , (Ref. ASM 31-32/02).
 - B. Do the test given in Para. 3.

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TASK 31-32-00-810-851

Failure of the CFDIU Detected by the ATC 1

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-400-001 Installation of the (AMM 34-52-00-740-004 BITE Test of the ATC Installation of the CFDIU (1TW)

ASM 31-32/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______

49VU COM NAV/ATC/1

5SH1 G11

- B. Test Do the BITE test of the ATC (system 1) (Ref. AMM TASK 34-52-00-740-004).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-450, 479-499, 503-549, 551-599, R 701-749,
 - A. If the test gives the maintenance message ATC1: NO DATA FROM CFDIU:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B, 2C to the first terminal block , (Ref. ASM 31-32/02).

31-32-00 EFF: ALL

SROS

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- R **ON A/C 426-499, 503-549, 551-563,
- R Post SB 34-1259 For A/C 503-549,551-563,
 - A. If the test gives the maintenance message CFDIU (1TW) / ATC1 (1SH1):
 replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B,
 2C to the first terminal block , (Ref. ASM 31-32/02).

**ON A/C ALL

B. Do the test given in Para. 3.B.

EFF: ALL 31-32-00

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TASK 31-32-00-810-852

Failure of the CFDIU Detected by the DME 1

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)
AMM 34-51-00-740-002 BITE Test of the DME

3. Fault Confirmation

ASM 31-32/02

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU NAV/DME/1 1SD1 G14

B. Test
Do the BITE test of the DME (system 1) (Ref. AMM TASK 34-51-00-740-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message DME1 NO DATA FROM CFDIU:
 replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B,
 2C to the first terminal block , (Ref. ASM 31-32/02).
 - B. Do the test given in Para. 3.B.

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R

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EFF :

ALL

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TASK 31-32-00-810-853

Failure of the CFDIU Detected by the RA 1

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)
AMM 34-42-00-740-002 BITE Test of the Radio Altimeter
ASM 31-32/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/RAD ALTM/1

1SA1 K11

- B. Test Do the BITE test of the Radio Altimeter (system 1) (Ref. AMM TASK 34-42-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message RADIO ALTMI NO DATA FROM CFDIU: replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B,
 2C to the first terminal block , (Ref. ASM 31-32/02).
 - B. Do the test given in Para. 3.B.

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R

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EFF :

ALL

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R **ON A/C 202-202, 205-205, 229-229, 245-245, 251-251, 254-275, 279-279, R 428-428, 451-451, 478-479, 503-549, 555-555, 564-599, 701-749,

TASK 31-32-00-810-854

Failure of the CFDIU Detected by the HF 1

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

AMM 23-11-00-740-001 Bite Test of the HF System AMM 31-32-34-000-001 Removal of the CFDIU (1TW) AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

DESIGNATION

ASM 31-32/02

REFERENCE

3. Fault Confirmation

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**ON A/C 202-202, 205-205, 229-229, 245-245, 251-251, 254-275, 279-279,
```

R 428-428, 451-451, 478-479, 503-549, 555-555, 564-599, 701-749,

Post SB 00-1047 For A/C 503-549,

Post SB 23-1024 For A/C 202-202,245-245,503-549,555-555,564-599,

Post SB 23-1123 For A/C 503-549,

Post SB 23-1131 For A/C 202-202,245-245,503-549,555-555,564-599,

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

**ON A/C 251-251, 254-275, 701-749,

49VU COM/HF1 1RE1 **HA14**

R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479,

503-549, 564-599,

Post SB 23-1024 For A/C 202-202,245-245,503-549,564-599,

Post SB 23-1049 For A/C 202-202,245-245,564-599,

Post SB 23-1202 For A/C 202-202,564-599,

49VU COM HF1 1RE1 **HA14**

202-202, 205-205, 229-229, 245-245, EFF: 251-251, 254-275, 279-279, 428-428, 451-451, 478-479, 503-549, 555-555, 564-599, 701-749, **SROS**

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PANEL DESIGNATION IDENT. LOCATION

**ON A/C 205-205, 555-555,

121VU COM NAV/HF1

1RE1 L10

- R **ON A/C 202-202, 205-205, 229-229, 245-245, 251-251, 254-275, 279-279,
 R 428-428, 451-451, 478-479, 503-549, 555-555, 564-599, 701-749,
 Post SB 00-1047 For A/C 503-549,
 Post SB 23-1024 For A/C 202-202,245-245,503-549,555-555,564-599,
 Post SB 23-1123 For A/C 503-549,
 Post SB 23-1131 For A/C 202-202,245-245,503-549,555-555,564-599,
 - B. Test
 Do the BITE test of the HF system (Ref. AMM TASK 23-11-00-740-001).
- R **ON A/C 202-202, 205-205, 229-229, 245-245, 251-251, 254-275, 279-279, R 428-428, 451-451, 478-479, 503-549, 555-555, 564-599, 701-749,
 - 4. Fault Isolation
- R **ON A/C 205-205, 229-229, 251-251, 254-275, 279-279, 428-428, 451-451, R 478-479, 701-749,
 - A. If the test gives the maintenance message HF1 NO DATA FROM CFDIU:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B,
 2C to the first terminal block (Ref. ASM 31-32/02).

**ON A/C 202-202, 245-245, 503-549, 555-555, 564-599,

Post SB 00-1047 For A/C 503-549, Post SB 23-1024 For A/C 202-202,245-245,503-549,555-555,564-599, Post SB 23-1123 For A/C 503-549, Post SB 23-1131 For A/C 202-202,245-245,503-549,555-555,564-599,

- A. If the test gives the maintenance message CFDIU (1TW)/HF1 (3RE1):
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B,
 2C to the first terminal block (Ref. ASM 31-32/02).

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R **ON A/C 202-202, 205-205, 229-229, 245-245, 251-251, 254-275, 279-279,
R 428-428, 451-451, 478-479, 503-549, 555-555, 564-599, 701-749,
Post SB 00-1047 For A/C 503-549,
Post SB 23-1024 For A/C 202-202,245-245,503-549,555-555,564-599,
Post SB 23-1123 For A/C 503-549,
Post SB 23-1131 For A/C 202-202,245-245,503-549,555-555,564-599,
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B. Do the test given in Para. 3.B.

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-32-00-810-856

Failure of the CFDIU Detected by the EIU 1

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
AMM	73-25-34-710-040	Operational Test of the Engine Interface Unit (1KS1,1KS2)
ASM	31-32/04	·

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	ENGINE/1/FADEC A/AND EIU 1	2K\$1	A04
12 1VU	ENGINE/ENG1/FADEC B/AND ETU 1	4KS1	R41

B. Test

Do the operational test of the Engine Interface Unit (EIU 1) (Ref. AMM TASK 73-25-34-710-040).

- 4. Fault Isolation
 - A. If the test gives the maintenance message EIU1: NO DATA FROM CFDIU: replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/11F, 11G to the first terminal block (Ref. ASM 31-32/04).
 - B. Do the test given in Para. 3.B.

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TASK 31-32-00-810-857

Failure of the CFDIU Detected by the EIU 2

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-32-34-000-0 AMM 31-32-34-400-0 AMM 73-25-34-710-0	01 Installation of the CFDIU (1TW)
ASM 31-32/05	•

- 3. Fault Confirmation
 - A. Test

Do the operational test of the Engine Interface Unit (EIU 2) (Ref. AMM TASK 73-25-34-710-040).

- 4. Fault Isolation
 - A. If the test gives the maintenance message EIU2: NO DATA FROM CFDIU: replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/11D,
 11E to the first terminal block (Ref. ASM 31-32/05).
 - B. Do the test given in Para. 3.B.

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TASK 31-32-00-810-858

Failure of the CFDIU Detected by the VHF 3

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 23-12-00-740-001 BITE Test of the VHF System
AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

ASM 31-32/05

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

R **ON A/C 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,

121VU COM NAV/VHF/3

2RC3 L05

**ON A/C ALL

B. Test

Do the BITE test of the VHF system (system 3) (Ref. AMM TASK 23-12-00-740-001).

EFF: ALL

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4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-237, 239-299, 429-478, 481-499, 554-599,

- A. If the test gives the maintenance message CFDIU (1TW)/VHF3 (1RC3): - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/11D,
 11E to the first terminal block , (Ref. ASM 31-32/05).

**ON A/C 238-238, 426-428, 479-480, 503-549, 551-553, 701-749,

- A. If the test gives the maintenance message VHF3: NO DATA FROM CFDIU:
 replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/11D,
 11E to the first terminal block , (Ref. ASM 31-32/05).

**ON A/C ALL

B. Do the test given in Para. 3.B.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-859

Failure of the CFDIU Detected by the AMU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM	23-51-00-740-002	BITE Test of the Audio System
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
ASM	31-32/05	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	COM/AUDIO/FLT/INTPH	9RN	G08
49VU	COM/AUDIO/ACP/F/O	5RN	G07
49VU	COM/AUDIO/ACP/CAPT	4RN	G06
12 1VU	COM NAV/SELCAL	8RN	M04
12 1VU	COM NAV/ACP/THIRD/OCCPNT	6RN	M02

**ON A/C 251-251,

121VU COM NAV/ACP/AVNCS/COMPT

7RN M03

**ON A/C ALL

B. Test
Do the BITE test of the AMU-ACP (Ref. AMM TASK 23-51-00-740-002).

EFF: ALL

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4. Fault Isolation

- A. If the test gives the maintenance message AUDIO NO DATA FROM CFDIU:
 replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/11D,
 11E to the first terminal block , (Ref. ASM 31-32/05).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-32-00

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TASK 31-32-00-810-860

Failure of the CFDIU Detected by the DMC 3

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
REFERENCE	DESIGNATION	

AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
AMM	31-60-00-740-002	EIS Input Test
AMM	31-60-00-740-007	GROUND SCANNING Test of the DMC
ASM	31-32/05	

3. Fault Confirmation

**ON A/C 456-475,

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	EIS/DMC3/STBY/SPLY	14WT 1	E10
49VU	EIS/DMC3/SWTG	21WT3	E07
12 1VU	EIS/DMC3/SPLY	10WT3	Q09

- R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,
 - B. Test
 Do the EIS input test (system 3) (Ref. AMM TASK 31-60-00-740-002).
 - B. Test
 Do the Ground Scanning Test of the DMC (Ref. AMM TASK 31-60-00-740-007).

EFF: ALL 31-32-00

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**ON A/C ALL

4. Fault Isolation

- R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,
 - A. If the test gives the maintenance message DMC3: NO CFDIU DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/11D,
 11E to the first terminal block , (Ref. ASM 31-32/05).

**ON A/C 456-475,

- A. If the test gives the maintenance message CFDIU(1TW)/DMC3(1WT1)
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/11D,
 11E to the first terminal block, (Ref. ASM 31-32/05).

**ON A/C ALL

B. Do the test given in Para. 3.B.

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EFF:

ALL

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TASK 31-32-00-810-861

Failure of the CFDIU Detected by the DME 2

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-32-34-000-001 Removal of the CFDIU (1TW) AMM 31-32-34-400-001 Installation of the CFDIU (1TW) AMM 34-51-00-740-002 BITE Test of the DME

ASM 31-32/03

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______ 121VU COM NAV/DME/2 1SD2 K06

4. Fault Isolation

B. Test

A. If the test gives the maintenance message DME2 NO DATA FROM CFDIU: - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).

Do the BITE test of the DME (system 2) (Ref. AMM TASK 34-51-00-740-002).

- (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/2H, 2J to the first terminal block , (Ref. ASM 31-32/03).
- B. Do the test given in Para. 3.B.

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TASK 31-32-00-810-862

Failure of the CFDIU Detected by the RA 2

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 31-32-34-000-001 Removal of the CFDIU (1TW) Installation of the CFDIU (1TW) AMM 31-32-34-400-001 AMM 34-42-00-740-002 BITE Test of the Radio Altimeter ASM 31-32/03

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______ K12

121VU COM NAV/RAD ALTM/2

1SA2

- B. Test Do the BITE test of the Radio Altimeter (system 2) (Ref. AMM TASK 34-42-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message RADIO ALTMI 2 NO DATA FROM
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/2H, 2J to the first terminal block , (Ref. ASM 31-32/03).
 - B. Do the test given in Para. 3.B.

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ALL

EFF:

SROS

TROUBLE SHOOTING MANUAL

**ON A/C 202-202, 245-245, 551-553, 555-555,

TASK 31-32-00-810-863

Failure of the CFDIU Detected by the HF 2

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 23-11-00-740-001 Bite Test of the HF System
AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)
ASM 31-32/03

3. Fault Confirmation

**ON A/C 202-202, 245-245, 551-553, 555-555,

Post SB 23-1057 For A/C 202-202,245-245,551-553,555-555,

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

**ON A/C 202-202, 245-245, 555-555,

121VU COM NAV/HF2 1RE2 L13

**ON A/C 202-202, 245-245, 551-553, 555-555,

Post SB 23-1057 For A/C 202-202,245-245,551-553,555-555,

B. Test
Do the BITE test of the HF system (Ref. AMM TASK 23-11-00-740-001).

EFF: 202-202, 245-245, 551-553, 555-555,

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**ON A/C 202-202, 245-245, 551-553, 555-555,

4. Fault Isolation

**ON A/C 202-202, 245-245, 551-553, 555-555,

Post SB 23-1057 For A/C 202-202,245-245,551-553,555-555,

- A. If the test gives the maintenance message HF2 NO DATA FROM CFDIU:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/2H,
 2J to the first terminal block , (Ref. ASM 31-32/03).
- B. Do the test given in Para. 3.B.

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EFF:

202-202, 245-245, 551-553, 555-555,

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-32-00-810-864

Failure of the CFDIU Detected by the DMC 2

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

DEEE	RENCE	DESIGNATION
	KENCE	DESIGNATION
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
AMM	31-60-00-740-002	EIS Input Test
AMM	31-60-00-740-007	GROUND SCANNING Test of the DMC
ASM	31-32/03	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
	EIS/DMC2/SPLY EIS/DMC2/SWTG	 10wt2 21wt2	Q08 R08

- R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,
 - - B. Test
 Do the Ground Scanning Test of the DMC (Ref. AMM TASK 31-60-00-740-007).

EFF: ALL
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**ON A/C ALL

4. Fault Isolation

- R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,
 - A. If the test gives the maintenance message DMC2: NO CFDIU DATA:
 replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/2H,
 2J to the first terminal block , (Ref. ASM 31-32/03).

**ON A/C 456-475,

- A. If the test gives the maintenance message CFDIU(1TW)/DMC2(1WT2) replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/2H, 2J to the first terminal block, (Ref. ASM 31-32/03).

**ON A/C ALL

B. Do the test given in Para. 3.B.

EFF: ALL 31-32-00

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TASK 31-32-00-810-866

Failure of the CFDIU Detected by the ILS 2

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

AMM 34-36-00-740-002 BITE Test of the ILS

ASM 31-32/03

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

R **ON A/C 201-225, 227-227, 229-245, 276-299,

121VU COM NAV/ILS/2

1RT2 K09

**ON A/C ALL

- B. Test
 Do the BITE test of the ILS (system 2) (Ref. AMM TASK 34-36-00-740-002).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-245, 276-299, 426-428, 476-478,
 - A. If the test gives the maintenance message
 CFDIU(1TW)/ILS2(2RT2) or CMC1(1TM1)/ILS2(1RT2):
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).

EFF: ALL

31-32-00

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- (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/2H,
 2J to the first terminal block , (Ref. ASM 31-32/03).
- R **ON A/C 247-275, 429-475, 479-499, 503-549, 551-599, 701-749,
 - A. If the test gives the maintenance message ILS2 NO DATA FROM CFDIU:
 replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/2H, 2J to the first terminal block, (Ref. ASM 31-32/03).

**ON A/C ALL

SROS

B. Do the test given in Para. 3.B.

EFF: ALL 31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-867

Failure of the CFDIU Detected by the VHF 2

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 23-12-00-740-001 BITE Test of the VHF System AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

ASM 31-32/03

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/VHF/2

2RC2 L04

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- B. Test Do the BITE test of the VHF system (system 2) (Ref. AMM TASK 23-12-00-740-001).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-237, 239-299, 429-478, 481-499, 554-599,
 - A. If the test gives the maintenance message CFDIU (1TW)/VHF2 (1RC2): - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/2H,
 2J to the first terminal block , (Ref. ASM 31-32/03).

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R **ON A/C 238-238, 426-428, 479-480, 503-549, 551-553, 701-749,

- A. If the test gives the maintenance message VHF2: NO DATA FROM CFDIU:
 replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/2H, 2J to the first terminal block, (Ref. ASM 31-32/03).

**ON A/C ALL

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-868

Failure of the CFDIU Detected by the DMC 1

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
AMM	31-60-00-740-002	EIS Input Test
AMM	31-60-00-740-007	GROUND SCANNING Test of the DMC
ASM	31-32/02	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	EIS/DMC1/SPLY	10WT1	E11
49VU	EIS/DMC1/SWTG	21WT1	E09

- R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,
 - B. Test
 Do the EIS input test (system 1) (Ref. AMM TASK 31-60-00-740-002).
 **ON A/C 456-475,
 - B. Test
 Do the Ground Scanning Test of the DMC (Ref. AMM TASK 31-60-00-740-007).

EFF: ALL 31-32-00

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**ON A/C ALL

4. Fault Isolation

- R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,
 - A. If the test gives the maintenance message DMC1: NO CFDIU DATA:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B,
 2C to the first terminal block , (Ref. ASM 31-32/02).

**ON A/C 456-475,

- A. If the test gives the maintenance message CFDIU(1TW)/DMC1(1WT1)
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B,
 2C to the first terminal block, (Ref. ASM 31-32/02).

**ON A/C ALL

B. Do the test given in Para. 3.B.

EFF: ALL 31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-869

Failure of the CFDIU Detected by the Weather Radar 1

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)
AMM 34-41-00-740-002 BITE Test of the Weather Radar

ASM 31-32/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/RADAR/1

5SQ1 K13

- B. Test Do the BITE test of the weather radar (system 1) (Ref. AMM TASK 34-41-00-740-002).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-456, 476-499, 503-549, 551-599, R 701-749,
 - A. If the test gives the maintenance message RADAR1 NO DATA FROM CFDIU:
 replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B,
 2C to the first terminal block (Ref. ASM 31-32/02).

EFF: ALL 31-32-00

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**ON A/C 457-475,

- A. If the test gives the maintenance message CFDIU (1TW)/WXR1 (1SQ1):
 replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B, 2C to the first terminal block (Ref. ASM 31-32/02).

**ON A/C ALL

B. Do the test given in Para. 3.

EFF: ALL

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-870

Failure of the CFDIU Detected by the ILS 1

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

AMM 34-36-00-740-002 BITE Test of the ILS

ASM 31-32/02

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

R **ON A/C 201-225, 227-227, 229-245, 276-299,

49VU NAV/ILS/1 1RT1 G12

**ON A/C ALL

- B. Test
 Do the BITE test of the ILS (system 1) (Ref. AMM TASK 34-36-00-740-002).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-245, 276-299, 426-428, 476-478,

 replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).

EFF: ALL

31-32-00

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- (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B,
 2C to the first terminal block , (Ref. ASM 31-32/02).
- R **ON A/C 247-275, 429-475, 479-499, 503-549, 551-599, 701-749,
 - A. If the test gives the maintenance message ILS1 NO DATA FROM CFDIU:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B, 2C to the first terminal block, (Ref. ASM 31-32/02).

**ON A/C ALL

B. Do the test given in Para. 3.B.

EFF: ALL 31-32-00

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TASK 31-32-00-810-871

Failure of the CFDIU Detected by the VHF 1

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 23-12-00-740-001 BITE Test of the VHF System AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

ASM 31-32/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______

2RC1 G09

49VU COM/VHF/1

B. Test Do the BITE test of the VHF system (system 1) (Ref. AMM TASK 23-12-00-

4. Fault Isolation

740-001).

- R **ON A/C 201-225, 227-227, 229-237, 239-299, 429-478, 481-499, 554-599,
 - A. If the test gives the maintenance message CFDIU (1TW)/VHF1 (1RC1): - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B, 2C to the first terminal block , (Ref. ASM 31-32/02).

31-32-00 EFF: ALL

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R **ON A/C 238-238, 426-428, 479-480, 503-549, 551-553, 701-749,

- A. If the test gives the maintenance message VHF1: NO DATA FROM CFDIU:
 replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B,
 2C to the first terminal block , (Ref. ASM 31-32/02).

**ON A/C ALL

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-872

Failure of the CFDIU Detected by the RMP

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 23-13-00-740-001 BITE Test of the Radio Management

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

ASM 31-32/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______

49VU COM/RMP/1 2RG1 G10

B. Test

Do the BITE test of the Radio Management (RMP 1) (Ref. AMM TASK 23-13-00-740-001).

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-250, 276-299, 426-431, 476-480, 701-749,
 - A. If the test gives the maintenance message RMP1 : NO DATA FROM CFDIU: - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B, 2C to the first terminal block , (Ref. ASM 31-32/02).

31-32-00 EFF: ALL

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**ON A/C ALL

R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480, 701-749,

- A. If the test gives the maintenance message CFDIU(1TW)/RMP1(1RG1):
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/2B,
 2C to the first terminal block , (Ref. ASM 31-32/02).

**ON A/C ALL

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-873

Failure of the CFDIU Detected by the VOR 2

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-32-34-000-001 Removal of the CFDIU (1TW) AMM 31-32-34-400-001 Installation of the CFDIU (1TW) AMM 34-55-00-740-002 BITE Test of the VOR/MKR ASM 31-32/03

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/VOR/2

2RS2 K08

- B. Test Do the BITE test of the VOR/MKR (system 2) (Ref. AMM TASK 34-55-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message VOR2 NO DATA FROM CFDIU:
 - replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/2H, 2J to the first terminal block , (Ref. ASM 31-32/03).
 - B. Do the test given in Para. 3.B.

31-32-00

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EFF :

ALL

TROUBLE SHOOTING MANUAL

**ON A/C 251-251, 476-478,

TASK 31-32-00-810-874

Failure of the CFDIU Detected by the ADF 2

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-34-000-001 Removal of the CFDIU (1TW) AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

AMM 31-32-34-400-001 Installation of the AMM 34-53-00-740-003 BITE Test of the ADF

ASM 31-32/03

3. Fault Confirmation

**ON A/C 251-251, 476-478,

Post SB 34-1063 For A/C 251-251,

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

**ON A/C 476-478,

121VU COM NAV/ADF/2

1RP2 K02

**ON A/C 251-251, 476-478,

Post SB 34-1063 For A/C 251-251,

B. Test

Do the BITE test of the ADF (system 2) (Ref. AMM TASK 34-53-00-740-003).

EFF: 251-251, 476-478,

31-32-00

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**ON A/C 251-251, 476-478,

4. Fault Isolation

**ON A/C 251-251, 476-478,

Post SB 34-1063 For A/C 251-251,

- A. If the test gives the maintenance message ADF2 NO DATA FROM CFDIU:
 replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/2H,
 2J to the first terminal block , (Ref. ASM 31-32/03).
- B. Do the test given in Para. 3.

251-251, 476-478,

31-32-00

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EFF :

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-32-00-810-875

Failure of the CFDIU Detected by the ATC 2

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
AMM	34-52-00-740-004	BITE Test of the ATC

3. Fault Confirmation

ASM 31-32/03

A. Make sure that this(these) circuit breaker(s) is(are) closed:

- B. Test
 Do the BITE test of the ATC (system 2) (Ref. AMM TASK 34-52-00-740-004).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-450, 479-499, 503-549, 551-599, R 701-749,
 - A. If the test gives the maintenance message ATC2: NO DATA FROM CFDIU:
 replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/2H,
 2J to the first terminal block , (Ref. ASM 31-32/03).

EFF: ALL 31-32-00

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- R **ON A/C 426-499, 503-549, 551-563,
- R Post SB 34-1259 For A/C 503-549,551-563,
 - A. If the test gives the maintenance message CFDIU (1TW) / ATC2 (1SH2):
 replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/2H, 2J to the first terminal block, (Ref. ASM 31-32/03).

**ON A/C ALL

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-876

Loss of the Bus Output from the DMC 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - DMC-1 (1WT1)
 - wiring from the CFDIU (1TW) to the DMC 1 (1WT1)
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
	AMM	31-32-00-740-003	Ground Scanning of the CFDIU
	AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
	AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
	AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
	AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)
	ASM	31-32/02	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
_	EIS/DMC1/SPLY EIS/DMC1/SWTG	10WT1 21WT1	E11 F09

- B. Not applicable.
- C. Test
 Do the ground scanning of the CFDIU (Ref. AMM TASK 31-32-00-740-003).
- 4. Fault Isolation
 - A. If the test gives the maintenance message NO DMC 1 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).

EFF: ALL 31-32-00

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- (2) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the DMC 1 (1WT1) from pins AA/6D, 6E to pins AB/1C, 1D (Ref. ASM 31-32/02).
- B. Not applicable.
- 5. Close-up
 - A. Not applicable.
 - B. Do the test given in Para. 3.B.

EFF: ALL 31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-877

Loss of the Bus Output from the DMC 2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - DMC-2 (1WT2)
 - wiring from the CFDIU (1TW) to the DMC 2 (1WT2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-32-00-869-002 AMM 31-32-34-000-001 AMM 31-32-34-400-001 AMM 31-63-34-000-001 AMM 31-63-34-400-001 ASM 31-32/03	Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW) Installation of the CFDIU (1TW) Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
	EIS/DMC2/SPLY	10WT2	Q08
12 1VU	EIS/DMC2/SWTG	21WT2	R08

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

4. Fault Isolation

- A. If the test gives the maintenance message NO DMC 2 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the DMC 2 (1WT2) from pins AB/6F, 6G to pins AB/1C, 1D (Ref. ASM 31-32/03).

EFF: ALL

31-32-00

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B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-878

Loss of the Bus Output from the DMC 3 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - DMC-3 (1WT3)
 - wiring from the CFDIU (1TW) to the DMC 3 (1WT3)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-32-00-869-002 AMM 31-32-34-000-001 AMM 31-32-34-400-001 AMM 31-63-34-000-001 AMM 31-63-34-400-001 ASM 31-32/05	Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW) Installation of the CFDIU (1TW) Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT. LO	CATION
49VU	EIS/DMC3/SWTG	21WT3	E07
121VU	EIS/DMC3/SPLY	10WT3	Q09

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

4. Fault Isolation

- A. If the test gives the maintenance message NO DMC 3 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the DMC 3 (1WT3) from pins AA/2H, 2J to pins AB/1C, 1D (Ref. ASM 31-32/05).

EFF: ALL

31-32-00

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B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-879

Loss of the Bus Output from the Printer to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-00-740-003 Ground Scanning of the CFDIU

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

ASM 31-32/07

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU PTR/SPLY 6TW J21

- B. Test
 Do the ground scanning of the CFDIU (Ref. AMM TASK 31-32-00-740-003).
- 4. Fault Isolation
 - A. If the test gives the maintenance message NO PRINTER DATA: - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/8H, 8J to the first terminal block (Ref. ASM 31-32/07).
 - B. Do the test given in Para. 3.B.

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-880

Failure of the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION		
AMM 31-32-00-740-003	Ground Scanning of the CFDIU		

Installation of the CFDIU (1TW)

3. Fault Confirmation

AMM 31-32-34-400-001

- A. Test Do the ground scanning of the CFDIU (Ref. AMM TASK 31-32-00-740-003).
- 4. Fault Isolation
 - A. If the test gives the maintenance message CFDIU: - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - B. Do the test given in Para. 3.

31-32-00

ALL

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-881

Loss of the Power Supply of the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
 - C/B-CFDIU/SPLY (2TW)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE

DESIGNATION

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

AWM 31-32-44

- 3. Fault Confirmation
 - A. Test Not applicable (see fault isolation).
- 4. Fault Isolation
 - A. do a check of the status of the circuit breaker (2TW).
 - (1) If the circuit breaker (2TW) is closed:
 - do a check for 28VDC between pin AC/3 and pin AC/8 of the CFDIU (1TW) (Ref. AWM 31-32-44).
 - (a) If there is 28VDC:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin AC/8 of the CFDIU (1TW)
 (Ref. AWM 31-32-44).
 - 1 If there is no ground signal:
 - repair the wiring between CFDIU (1TW) pin AC/8 and the ground terminal (Ref. AWM 31-32-44).
 - 2 If there is a ground signal:
 - do a check of the wiring between CFDIU (1TW) pin AC/3 and the circuit breaker (2TW) (Ref. AWM 31-32-44).

EFF: ALL

31-32-00

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- <u>a</u> If there is no continuity:repair the wiring.
- b If there is continuity:
 replace the C/B-CFDIU/SPLY (2TW)
- (2) If the circuit breaker (2TW) is open:
 close the circuit breaker.
 - (a) If the circuit breaker trips:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - 1 If the fault continues:
 - do a check for a short to ground at the wiring between CFDIU (1TW) pin AC/3 and the circuit breaker (2TW) (Ref. AWM 31-32-44).
 - <u>a</u> If there is a short to ground:repair the wiring.
 - <u>b</u> If there is no short to ground:replace the circuit breaker (2TW).
 - (b) If the circuit breaker (2TW) stays closed and the fault continues:
 - replace the CFDIU (1TW).

EFF: ALL

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-882

Loss of the Bus Output from the ACARS MU to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE

DESIGNATION

AMM 31-32-00-869-002 AMM 31-32-34-000-001 AMM 31-32-34-400-001

Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW)

Installation of the CFDIU (1TW)

ASM 31-32/05

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION ______

TDENT LOCATION

R **ON A/C 201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549, R 551-557, 701-749,

121VU COM NAV/ACARS/MU

2RB

L06

**ON A/C ALL

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message NO ACARS MU DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/9B, 9C to the first terminal block (Ref. ASM 31-32/05).

EFF: ALL 31-32-00

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B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-883

Loss of the Bus Output from the Cabin Pressure Controller 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION			

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading
AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)
ASM 31-32/04

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU AIR COND/CAB/PRESS/CTL1

1HL D09

B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

4. Fault Isolation

- A. If the test gives the maintenance message NO CPC 1 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/4B, 4C to the first terminal block (Ref. ASM 31-32/04).
- B. Do the test given in Para. 3.B.

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-884

Loss of the Bus Output from the Cabin Pressure Controller 2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading
AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
ASM 31-32/05

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

122VU AIR COND/CAB PRESS/CTL/2

2HL Y22

B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

4. Fault Isolation

- A. If the test gives the maintenance message NO CPC 2 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/4H,
 4J to the first terminal block (Ref. ASM 31-32/05).
- B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-885

Loss of the Output Bus from the ACSC2 or the Zone Temperature Controller to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-32-00-740-009 AMM 31-32-34-000-001 AMM 31-32-34-400-001 ASM 31-32/05	Read the AVIONICS STATUS on the MCDU Removal of the CFDIU (1TW) Installation of the CFDIU (1TW)

- 3. Fault Confirmation
 - A. Read the AVIONICS STATUS on the MCDU (Ref. AMM TASK 31-32-00-740-009).
- 4. Fault Isolation
 - A. If the test gives the maintenance message NO ZONE CTL DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/2B, 2C to the first terminal block (Ref. ASM 31-32/05).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-886

Loss of the Bus Output from the LGCIU 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - LGCIU-1 (5GA1)
 - wiring from the CFDIU (1TW) to the LGCIU 1 (5GA1)
- 2. Job Set-up Information
 - A. Referenced Information

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading AMM 31-32-34-000-001 Removal of the CFDIU (1TW) AMM 31-32-34-400-001 Installation of the CFDIU (1TW)	REFERENCE	DESIGNATION	
AMM 32-31-71-000-001 Removal of the LGCIU (5GA1, 5GA2) AMM 32-31-71-400-001 Installation of the LGCIU (5GA1, 5GA2)	AMM 31-32-34-000-001 AMM 31-32-34-400-001 AMM 32-31-71-000-001	Removal of the CFDIU (1TW) Installation of the CFDIU (1TW) Removal of the LGCIU (5GA1, 5GA2)	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU L/G/LGCIU/SYS1/NORM

1GA C09

B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

4. Fault Isolation

- A. If the test gives the maintenance message NO LGCIU 1 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the LGCIU-1 (5GA1) (Ref. AMM TASK 32-31-71-000-001) and (Ref. AMM TASK 32-31-71-400-001)
 - (2) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the LGCIU1 (5GA1) from pins AA/7F, 7G to pins AA/13H, 15H (Ref. ASM 31-32/04).

EFF: ALL

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B. Do the test given in Para. 3.B.

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-887

Loss of the Bus Output from the LGCIU 2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - LGCIU-2 (5GA2)
 - wiring from the CFDIU (1TW) to the LGCIU 2 (5GA2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 31-32-00-869-002 AMM 31-32-34-000-001 AMM 31-32-34-400-001 AMM 32-31-71-000-001 AMM 32-31-71-400-001 ASM 31-32/05	Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW) Installation of the CFDIU (1TW) Removal of the LGCIU (5GA1, 5GA2) Installation of the LGCIU (5GA1, 5GA2)	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU HYDRAULIC/LGCIU/SYS2

2GA Q35

B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message NO LGCIU 2 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the LGCIU-2 (5GA2) (Ref. AMM TASK 32-31-71-000-001) and (Ref. AMM TASK 32-31-71-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the LGCIU2 (5GA2) from pins AB/7D, 7E to pins AA/13H, 15H (Ref. ASM 31-32/05).

EFF: ALL

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B. Do the test given in Para. 3.B.

EFF: ALL
SROS

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TASK 31-32-00-810-888

Loss of the Output Bus from the CIDS Director 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - DIR-CIDS, 1 (101RH)
 - wiring
 - wiring from the CFDIU (1TW) to the CIDS director 1 (101RH)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION	
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Da	ata S ystem
		(CIDS) through the CFDS	
	23-73-34-000-001	Removal of the CIDS Director (101RH, 102RH)	
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH, 107	2RH)
AMM	31-32-00-740-009	Read the AVIONICS STATUS on the MCDU	
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)	
	31-32-34-400-001 31-32/04	Installation of the CFDIU (1TW)	
7 6			
J. [ault Confirmation		
_		is(these) circuit breaker(s) is(are) closed:	
	Make sure that the	IDENT	LOCATION
PANE	. Make sure that the		LOCATION
PANE	. Make sure that the	IDENT 27, 229-299, 426-499, 503-549, 551-599,	LOCATION
PANE **0N	L DESIGNATION	IDENT 27, 229-299, 426-499, 503-549, 551-599,	

EFF: ALL

121VU COM NAV/CIDS/DIR NORM/1

R **ON A/C 201-225, 227-227, 229-275, 426-475, 551-599,

31-32-00

151RH

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M05

SROS

R

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PANEL DESIGNATION IDENT. LOCATION

**ON A/C 276-299, 476-499, 503-549,

121VU COM NAV/CIDS/DIR NORM/1

151RH

M06

**ON A/C 701-749,

121VU COM NAV/CIDS/DIR 1 AND 2/NORM

151RH

M05

**ON A/C ALL

B. Test

R

- (1) Read the AVIONICS STATUS on the MCDU (Ref. AMM TASK 31-32-00-740-009).
- (2) Do the BITE test of the Cabin Intercommunication Data system through the CFDS (Ref. AMM TASK 23-73-00-740-005).
- (3) Make sure that there is no INOP SYS, no MAINTENANCE STATUS or no ECAM warning related to the NO CIDS 1 DATA maintenance message.

4. Fault Isolation

- A. If the ground scanning gives the maintenance message NO CIDS 1 DATA and if the CIDS BITE test gives the CIDS1 (ACT.) menu:
 - (1) If there is no INOP SYS, no MAINTENANCE STATUS or no ECAM warning related to the NO CIDS 1 DATA maintenance message:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the CIDS director 1 (101RH) from pins AA/3F, 3G to pins AA/11A, 11B (Ref. ASM 31-32/04).
 - (2) If there is an INOP SYS, an MAINTENANCE STATUS or a ECAM warning related to the NO CIDS 1 DATA maintenance message:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).

EFF: ALL

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- (a) If the fault continues:
 - replace the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001) and (Ref. AMM TASK 23-73-34-400-001).
- (b) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the CIDS director 1 (101RH) from pins AA/3F, 3G to pins AA/11A, 11B (Ref. ASM 31-32/04).
- B. If the ground scanning gives the maintenance message NO CIDS 1 DATA and if the CIDS BITE test gives the CIDS1 (PAS.) menu:
 - replace the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001) and (Ref. AMM TASK 23-73-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the CIDS director 1 (101RH) from pins AA/3F, 3G to pins AA/11A, 11B (Ref. ASM 31-32/04).
- C. Do the test given in Para. 3.B.

EFF: ALL 31-3

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-889

Loss of the Output Bus from the CIDS Director 2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - DIR-CIDS, 2 (102RH)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION		
AMM 23-73-34-000-001 AMM 23-73-34-400-001 AMM 31-32-00-740-009 AMM 31-32-34-000-001 AMM 31-32-34-400-001 ASM 31-32/05	Removal of the CIDS Director (101RH, Installation of the CIDS Director (1 Read the AVIONICS STATUS on the MCDU	102RH) 01RH,102	
3. Fault Confirmation			
A. Make sure that this	(these) circuit breaker(s) is(are) cl	osed:	
PANEL DESIGNATION		IDENT.	LOCATION
**ON A/C 201-225, 227-227	, 229-299, 426-499, 503-549, 551-599,		
49VU COM/CIDS/DIR ESS/1		150RH	G01
**ON A/C 701-749,			
49VU COM/CIDS/DIR 1 AND	2/ESS	150RH	G02
**ON A/C 201-225, 227-227	, 229-275, 426-475, 551-599,		
121VU COM NAV/CIDS/DIR N	ORM/1	151RH	M05
**ON A/C 276-299, 476-499, 503-549,			
121VU COM NAV/CIDS/DIR N	ORM/1	151RH	M06

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SROS

EFF:

ALL

R

R

TROUBLE SHOOTING MANUAL

PANEL DESIGNATION

IDENT. LOCATION

**ON A/C 701-749,

121VU COM NAV/CIDS/DIR 1 AND 2/NORM

151RH

M05

**ON A/C ALL

B. Test

- (1) Read the AVIONICS STATUS on the MCDU (Ref. AMM TASK 31-32-00-740-009).
- (2) Make sure that there is no INOP SYS, no MAINTENANCE STATUS or no ECAM warning related to the NO CIDS 1 DATA maintenance message.

4. Fault Isolation

- A. If the test gives the maintenance message NO CIDS 2 DATA:
 - (1) If there is no INOP SYS, no MAINTENANCE STATUS or no ECAM warning related to the NO CIDS 1 DATA maintenance message:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the CIDS director 2 (102RH) from pins AB/3D, 3E to pins AA/11A, 11B (Ref. ASM 31-32/05).
 - (2) If there is an INOP SYS, a MAINTENANCE STATUS or an ECAM warning related to the NO CIDS 2 DATA maintenance message:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (a) If the fault continues:
 - replace the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001) and (Ref. AMM TASK 23-73-34-400-001).
 - (b) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the CIDS director 2 (102RH) from pins AB/3D, 3E to pins AA/11A, 11B (Ref. ASM 31-32/05).

EFF: ALL

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B. Do the test given in Para. 3.B.

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-890

Loss of the Bus Output from the EIU 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading AMM 31-32-34-000-001 Removal of the CFDIU (1TW) ASM 31-32/04

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	ENGINE/1/FADEC A/AND EIU 1	2K\$1	A04
12 1VU	ENGINE/ENG1/FADEC B/AND EIU 1	4KS1	R41

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

4. Fault Isolation

- A. If the test gives the maintenance message NO EIU 1 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/13B,
 13C to the first terminal block (Ref. ASM 31-32/04).
- B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-891

Loss of the Bus Output from the EVMU to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading

AMM 31-32-34-000-001 Removal of the CFDIU (1TW) AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

ASM 31-32/04

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU ENGINE/ENG1 AND 2/EVMU

1EV R44

- B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message NO EVMU DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/6D, 6E to the first terminal block (Ref. ASM 31-32/04).
 - B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-892

Loss of the Bus Output from the EIU 2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading AMM 31-32-34-000-001 Removal of the CFDIU (1TW) ASM 31-32/05

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49٧0	ENGINE/2/FADEC A/AND EIU 2	2K\$2	A05
12 1VU	ENGINE/ENG2/FADEC B	4KS2	Q40

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message NO EIU 2 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/13H,
 13J to the first terminal block (Ref. ASM 31-32/05).
 - B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-893

Loss of the Bus Output from the AEVC to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - AEVC (10HQ)
 - wiring from the CFDIU (1TW) to the AEVC (10HQ)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
	24 27 77 000 004		
AMM	21-26-34-000-001	Removal of the Avionics Equipment Ventilation Computer (AEVC) (10HQ)	
AMM	21-26-34-400-001	Installation of the Avionics Equipment Ventilation Computer (AEVC) (10HQ)	
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading	
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)	
AMM ASM	31-32-34-400-001 31-32/06	Installation of the CFDIU (1TW)	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	AIR COND/AVNCS VENT/CTL	6HQ	D06
49VU	AIR COND/AVNCS VENT/CTL	5HQ	D05
122VU	AIR COND/AVNCS/VENT/MONG	3HQ	Y 17

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

4. Fault Isolation

- A. If the test gives the maintenance message NO AEVC DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the AEVC (10HQ) (Ref. AMM TASK 21-26-34-000-001) and (Ref. AMM TASK 21-26-34-400-001).

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EFF: ALL 31-32-00

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- (2) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the AEVC (10HQ) from pins AA/3D, 3E to pins AB/13A, 14A (Ref. ASM 31-32/06).
- B. Do the test given in Para. 3.B.

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-894

Loss of the PHC 1 Output Bus by the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - PHC-1 (6DA1)
 - wiring from the CFDIU (1TW) to the PHC 1 (6DA1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	30-31-34-000-002	Removal of the Probe Heat Computer (PHC)
		(6DA1,6DA2,6DA3)
AMM	30-31-34-400-002	Installation of the Probe Heat Computer (PHC)
		(6DA1,6DA2,6DA3)
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
ASM	31-32/06	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	ANTI ICE/PROBES/AOA/1	4DA1	D04
49VU	ANTI ICE/PROBES/PHC/1	2DA1	D03
49VU	ANTI ICE/PROBES/PITOT/1	3DA1	D02
122VU	ANTI ICE/PROBES/1/STATIC	5DA1	z 13
122VU	ANTI ICE/PROBES/1/TAT	1DA1	z 12

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

EFF: ALL

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4. Fault Isolation

- A. If the test gives the maintenance message NO PHC1 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the PHC-1 (6DA1) (Ref. AMM TASK 30-31-34-000-002) and (Ref. AMM TASK 30-31-34-400-002).
 - (2) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the PHC 1 (6DA1) from pins AA/11D, 11E to pins A/M, N (Ref. ASM 31-32/06).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-895

Loss of the PHC 2 Output Bus by the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - PHC-2 (6DA2)
 - wiring from the CFDIU (1TW) to the PHC 2 (6DA2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	30-31-34-000-002	Removal of the Probe Heat Computer (PHC) (6DA1,6DA2,6DA3)
AMM	30-31-34-400-002	Installation of the Probe Heat Computer (PHC) (6DA1,6DA2,6DA3)
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
ASM	31-32/06	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
122VU	ANTI ICE/PROBES/2/TAT	1DA2	Y15
122VU	ANTI ICE/PROBES/2/PITOT	3DA2	Y14
122VU	ANTI ICE/PROBES/2/AOA	4DA2	Y13
122VU	ANTI ICE/PROBES/2/PHC	2DA2	Y12
122VU	ANTI ICE/PROBES/2/STATIC	5DA2	Y11

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

EFF: ALL

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4. Fault Isolation

- A. If the test gives the maintenance message NO PHC2 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the PHC-2 (6DA2) (Ref. AMM TASK 30-31-34-000-002) and (Ref. AMM TASK 30-31-34-400-002).
 - (2) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the PHC 2 (6DA2) from pins AB/11F, 11G to pins A/M, N (Ref. ASM 31-32/06).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-32-00

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TASK 31-32-00-810-896

Loss of the PHC 3 Output Bus by the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - PHC-3 (6DA3)
 - wiring from the CFDIU (1TW) to the PHC 3 (6DA3)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	30-31-34-000-002	Removal of the Probe Heat Computer (PHC) (6DA1,6DA2,6DA3)
AMM	30-31-34-400-002	Installation of the Probe Heat Computer (PHC) (6DA1,6DA2,6DA3)
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM ASM	31-32-34-400-001 31-32/06	Installation of the CFDIU (1TW)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
122VU	ANTI ICE/PROBES/PHC/3	2DA3	Y16
122VU	ANTI ICE/PROBES/3/PITOT	3DA3	Z 16
122VU	ANTI ICE/PROBES/3/AOA	4DA3	z 15
122VU	ANTI ICE/PROBES/3/STATIC	5DA3	Z 14

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message NO PHC3 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the PHC-3 (6DA3) (Ref. AMM TASK 30-31-34-000-002) and (Ref. AMM TASK 30-31-34-400-002).

EFF: ALL

31-32-00

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- (2) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the PHC 3 (6DA3) from pins AB/2F, 2G to pins A/M, N (Ref. ASM 31-32/06).
- B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-897

Loss of the WHC 1 Output Bus by the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - WHC-1 (2DG1)
 - wiring from the CFDIU (1TW) to the WHC 1 (2DG1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	30-42-34-000-001	Removal of the Window Heat Computer (WHC) (2DG1,2DG2).	
AMM	30-42-34-400-001	<pre>Installation of the Window Heat Computer (WHC) (2DG1,2DG2).</pre>	
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading	
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)	
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)	
ASM	31-32/06		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

123VU ANTI ICE/L/WHSLD

1DG1 AF10

B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

4. Fault Isolation

- A. If the test gives the maintenance message NO WHC1 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the WHC-1 (2DG1) (Ref. AMM TASK 30-42-34-000-001) and (Ref. AMM TASK 30-42-34-400-001).

EFF: ALL

31-32-00

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- (2) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the WHC 1 (2DG1) from pins AA/8D, 8E to pins B/M, N (Ref. ASM 31-32/06).
- B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-898

Loss of the WHC 2 Output Bus by the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - WHC-2 (2DG2)
 - wiring from the CFDIU (1TW) to the WHC 2 (2DG2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	30-42-34-000-001	Removal of the Window Heat Computer (WHC) (2DG1,2DG2).	
AMM	30-42-34-400-001	<pre>Installation of the Window Heat Computer (WHC) (2DG1,2DG2).</pre>	
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading	
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)	
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)	
ASM	31-32/06		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

123VU ANTI ICE/R/WHSLD

1DG2 AF03

B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

4. Fault Isolation

- A. If the test gives the maintenance message NO WHC2 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the WHC-2 (2DG2) (Ref. AMM TASK 30-42-34-000-001) and (Ref. AMM TASK 30-42-34-400-001).

EFF: ALL

31-32-00

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- (2) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the WHC 2 (2DG2) from pins AB/8F, 8G to pins B/M, N (Ref. ASM 31-32/06).
- B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-899

Loss of the Reception of the FIDS Bus by the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - FAC-1 (1CC1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 22-66-34-000-0	Installation of the FAC (1CC1,1CC2)
AMM 31-32-00-869-0	
AMM 31-32-34-000-0	
AMM 31-32-34-400-0	001 Installation of the CFDIU (1TW)
ASM 22-69/01	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION 5CC1 B04

49VU AUTO FLT/FAC1/28VDC

B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message NO FAC1 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the FAC-1 (1CC1) (Ref. AMM TASK 22-66-34-000-002) and (Ref. AMM TASK 22-66-34-400-002).
 - (a) If the fault continues:
 - do a check and repair the wiring of the FIDS bus from the FAC 1 (1CC1) to the CFDIU (1TW) (Ref. ASM 22-69/01).

31-32-00 EFF: ALL

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B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-900

Loss of the AIR DATA 1 Output Bus 4 by the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERI	ENCE	DESIGNATION
AMM 3	31-32-00-869-002	Procedure for Class 3 Faults Reading
AMM 3	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM 3	31-32-34-400-001	Installation of the CFDIU (1TW)
ASM 3	31-32/02	

3. Fault Confirmation

A. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message NO ADR1 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/3B, 3C to the first terminal block (Ref. ASM 31-32/02).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-901

Loss of the AIR DATA 2 Output Bus 4 by the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		RENCE	DESIGNATION
	AMM	31-32-00-869-002 31-32-34-000-001	Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW)
	AMM	31-32-34-400-001	Installation of the CFDIU (1TW)

3. Fault Confirmation

ASM 31-32/03

- A. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message NO ADR2 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/3H, 3J to the first terminal block (Ref. ASM 31-32/03).
 - B. Do the test given in Para. 3.

31-32-00

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-902

Loss of the AIR DATA 3 Output Bus 4 by the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-32-00-869-002 AMM 31-32-34-000-001 AMM 31-32-34-400-001 ASM 31-32/04	Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW) Installation of the CFDIU (1TW)

3. Fault Confirmation

A. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message NO ADR1 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-32/04).
 - B. Do the test given in Para. 3.

31-32-00

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-903

Failure of the CFDIU Detected by the LGCIU 1

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
	32-69-00-740-001	BITE Check Landing Gear Control Interface Unit (LGCIU) using MCDU to Ensure that Continuous BITE is Operative
ASM	31-32/04	•

3. Fault Confirmation

- A. Test
 Do the BITE test of the landing gear (Ref. AMM TASK 32-69-00-740-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message LGCIU1: NO DATA FROM CFDS:
 replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/11F,
 11G to the first terminal block (Ref. ASM 31-32/04).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-904

Failure of the CFDIU Detected by the LGCIU 2

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 31-32-34-000-001	Removal of the CFDIU (1TW)	
AMM 31-32-34-400-001	Installation of the CFDIU (1TW)	
AMM 32-69-00-740-001	BITE Check Landing Gear Control Interface Unit (LGCIU) using MCDU to Ensure that Continuous BITE is Operative	
ASM 31-32/05		

ASM 31-32/05

- 3. Fault Confirmation
 - A. Test
 Do the BITE test of the landing gear (Ref. AMM TASK 32-69-00-740-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message LGCIU2: NO DATA FROM CFDS:
 replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/11D,
 11E to the first terminal block (Ref. ASM 31-32/05).
 - B. Do the test given in Para. 3.

31-32-00

EFF: ALL

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TASK 31-32-00-810-905

Loss of Data from the VHF 3 Transceiver to the CFDIU

- 1. Possible Causes
 - XCVR-VHF, 3 (1RC3)
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION	
	23-12-33-000-001 23-12-33-400-001	Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3) Installation of the VHF Transceiver (1RC1, 1RC2,	
	31-32-00-869-002 31-32-34-000-001	1RC3) Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW)	
	31-32-34-400-001 23-12/03	Installation of the CFDIU (1TW)	
3. <u>F</u>	3. Fault Confirmation		
		s(these) circuit breaker(s) is(are) closed:	
	L DESIGNATION	IDENT. LOCATION	
**ON A/C 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,			

121VU COM NAV/VHF/3

2RC3 L05

**ON A/C ALL

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

EFF: ALL 31-32-00

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4. Fault Isolation

- A. If the test gives the maintenance message NO VHF3 DATA:
 - replace the XCVR-VHF, 3 (1RC3) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (1) If the fault continues:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the VHF 3 transceiver (1RC3) to the CFDIU (1TW) (Ref. ASM 23-12/03).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-32-00

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-906

Loss of Data from the VHF 2 Transceiver to the CFDIU

- 1. Possible Causes
 - XCVR-VHF, 2 (1RC2)
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-12-33-000-001	Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3)
AMM	23-12-33-400-001	<pre>Installation of the VHF Transceiver (1RC1, 1RC2, 1RC3)</pre>
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
	31-32-34-400-001 23-12/02	Installation of the CFDIU (1TW)

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/VHF/2

2RC2 L04

- B. Test
 - (1) On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message NO VHF2 DATA:
 - replace the XCVR-VHF, 2 (1RC2) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (1) If the fault continues:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).

EFF: ALL

31-32-00

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- (2) If the fault continues:
 - do a check and repair the wiring from the VHF 2 transceiver (1RC2) to the CFDIU (1TW) (Ref. ASM 23-12/02).
- B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-32-00

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TASK 31-32-00-810-907

Loss of Data from the VHF 1 Transceiver to the CFDIU

- 1. Possible Causes
 - XCVR-VHF, 1 (1RC1)
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
	23-12-33-000-001 23-12-33-400-001	Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3) Installation of the VHF Transceiver (1RC1, 1RC2, 1RC3)
AMM	31-32-00-869-002 31-32-34-000-001 31-32-34-400-001 23-12/01	Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW) Installation of the CFDIU (1TW)

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______ 49VU COM/VHF/1

2RC1 G09

- B. Test
 - (1) On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message NO VHF1 DATA:
 - replace the XCVR-VHF, 1 (1RC1) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (1) If the fault continues:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).

EFF: ALL 31-32-00

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- (2) If the fault continues:
 - do a check and repair the wiring from the VHF 1 transceiver (1RC1) to the CFDIU (1TW) (Ref. ASM 23-12/01).
- B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-32-00

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**ON A/C 202-202, 245-245, 551-553, 555-555,

TASK 31-32-00-810-908

Loss of Data from the HF 2 Transceiver to the CFDIU

- 1. Possible Causes
 - XCVR-HF, 2 (3RE2)
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-11-33-000-001	Removal of the HF Transceiver (3RE1, 3RE2)	
AMM	23-11-33-400-001	Installation of the HF Transceiver (3RE1, 3RE2)	
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading	
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)	
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)	
ASM	23-11/02		

**ON A/C 202-202, 245-245, 551-553, 555-555,

Post SB 23-1057 For A/C 202-202,245-245,551-553,555-555,

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

**ON A/C 202-202, 245-245, 555-555,

121VU COM NAV/HF2 1RE2 L13

EFF: 202-202, 245-245, 551-553, 555-555,

31-32-00

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**ON A/C 202-202, 245-245, 551-553, 555-555,

Post SB 23-1057 For A/C 202-202,245-245,551-553,555-555,

- B. Test
 - (1) On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

**ON A/C 202-202, 245-245, 551-553, 555-555,

4. Fault Isolation

**ON A/C 202-202, 245-245, 551-553, 555-555,

Post SB 23-1057 For A/C 202-202,245-245,551-553,555-555,

- A. If the test gives the maintenance message NO HF2 DATA:
 - replace the XCVR-HF, 2 (3RE2) (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
 - (1) If the fault continues:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the HF 2 transceiver (3RE2) to the CFDIU (1TW) (Ref. ASM 23-11/02).
- B. Do the test given in Para. 3.B.

31-32-00

R

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EFF:

202-202, 245-245, 551-553, 555-555,

TROUBLE SHOOTING MANUAL

R **ON A/C 202-202, 205-205, 229-229, 245-245, 251-251, 254-275, 279-279, R 428-428, 451-451, 478-479, 555-555, 564-599, 701-749,

TASK 31-32-00-810-909

Loss of Data from the HF 1 Transceiver to the CFDIU

- 1. Possible Causes
 - XCVR-HF, 1 (3RE1)
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-11-33-000-001	Removal of the HF Transceiver (3RE1, 3RE2)	
AMM	23-11-33-400-001	Installation of the HF Transceiver (3RE1, 3RE2)	
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading	
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)	
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)	
ASM	23-11/01		

- 3. Fault Confirmation
- R **ON A/C 202-202, 205-205, 229-229, 245-245, 251-251, 254-275, 279-279,
 R 428-428, 451-451, 478-479, 555-555, 564-599, 701-749,
 Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599,
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

**ON A/C 251-251, 254-275, 701-749,

49VU COM/HF1 1RE1 HA14

R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, R 564-599,

Post SB 23-1024 For A/C 202-202,245-245,564-599, Post SB 23-1049 For A/C 202-202,245-245,564-599, Post SB 23-1202 For A/C 202-202,564-599,

49VU COM HF1 1RE1 HA14

EFF: 202-202, 205-205, 229-229, 245-245, 251-251, 254-275, 279-279, 428-428, 451-451, 478-479, 555-555, 564-599, 701-749, SROS

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PANEL DESIGNATION

IDENT. LOCATION

**ON A/C 205-205, 555-555,

121VU COM NAV/HF1

1RE1 L10

- R **ON A/C 202-202, 205-205, 229-229, 245-245, 251-251, 254-275, 279-279, R 428-428, 451-451, 478-479, 555-555, 564-599, 701-749, Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599,
 - B. Test
 - (1) On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).
- R **ON A/C 202-202, 205-205, 229-229, 245-245, 251-251, 254-275, 279-279, R 428-428, 451-451, 478-479, 555-555, 564-599, 701-749,
 - 4. Fault Isolation
- R **ON A/C 202-202, 205-205, 229-229, 245-245, 251-251, 254-275, 279-279,
 R 428-428, 451-451, 478-479, 555-555, 564-599, 701-749,
 Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599,
 - A. If the test gives the maintenance message NO HF1 DATA:
 - replace the XCVR-HF, 1 (3RE1) (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
 - (1) If the fault continues:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the HF 1 transceiver (3RE1) to the CFDIU (1TW) (Ref. ASM 23-11/01).
 - B. Do the test given in Para. 3.B.

EFF: 202-202, 205-205, 229-229, 245-245, 251-251, 254-275, 279-279, 428-428, 451-451, 478-479, 555-555, 564-599, 701-749, SROS

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-32-00-810-910

Loss of the Bus Output from the AMU to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - AMU (1RN)
 - wiring from the CFDIU (1TW) to the AMU (1RN)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM AMM AMM	23-51-34-000-001 23-51-34-400-001 31-32-00-740-003 31-32-34-000-001 31-32-34-400-001 31-32/05	Removal of the Audio Management Unit (AMU) (1RN) Installation of the Audio Management Unit (AMU) (1RN) Ground Scanning of the CFDIU Removal of the CFDIU (1TW) Installation of the CFDIU (1TW)	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	COM/AUDIO/FLT/INTPH	9RN	G08
12 1VU	COM NAV/SELCAL	8RN	M04

- B. Test
 - (1) Do the ground scanning of the CFDIU (Ref. AMM TASK 31-32-00-740-003).
- 4. Fault Isolation
 - A. If the test gives the maintenance message NO AMU DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).

EFF: ALL

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- (2) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the AMU (1RN) from pins AB/10F, 10G to pins AB/15B, 15A (Ref. ASM 31-32/05).
- B. Do the test given in Para. 3.B.

EFF: ALL
SROS

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TASK 31-32-00-810-911

Loss of the Bus Output from the RMP 1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM	23-13-13-400-001	Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM ASM	31-32-34-400-001 23-13/02	Installation of the CFDIU (1TW)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

- B. Job Set-up
 Make sure that only the ON/OFF switch on the RMP 1 is at ON.
- C. Test
 - (1) On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

EFF: ALL 31-32-00

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4. Fault Isolation

- A. If the test gives the maintenance message NO RMP1 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - replace the RMP-COM/NAV FREQ SEL, 1 (1RG1) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from CFDIU (1TW) pins AA/10D, 10E
 to RMP 1 (1RG1) pins A/<P, <Q (Ref. ASM 23-13/02).
- B. Do the test given in Para. 3.C.

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EFF :

ALL

TROUBLE SHOOTING MANUAL

**ON A/C 251-251,

TASK 31-32-00-810-912

Loss of the TPIS Output Bus 2 by the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-32-00-869-002 AMM 31-32-34-000-001 AMM 31-32-34-400-001 ASM 31-32/04	Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW) Installation of the CFDIU (1TW)

- 3. Fault Confirmation
 - A. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message NO TPIS DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/5D,
 5E to the first terminal block (Ref. ASM 31-32/04).
 - B. Do the test given in Para. 3.

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EFF :

251-251,

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-32-00-810-913

Loss of the BSCU Output Bus 2 by the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMN	1 31-32-00-869-002	Procedure for Class 3 Faults Reading
AMN	1 31-32-34-000-001	Removal of the CFDIU (1TW)
AMN	1 31-32-34-400-001	Installation of the CFDIU (1TW)
ASM	1 31-32/04	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
	HYDRAULIC/BRAKING AND STEERING/SYS1/CTL HYDRAULIC/BRAKING AND STEERING/SYS1/IND AND/SPLY	1GG 2GG	M34 M33

- B. On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).
 - NOTE: If the fault message NO BSCU 1 DATA is shown on the current flight report or on the post flight report after reset of the anti skid and nose wheel steering system with the A/SKID & NOSE WHEEL control switch (5GG):
 - no action is necessary.

EFF: ALL

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4. Fault Isolation

- A. If the test gives the maintenance message NO BSCU 1 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/8F, 8G to the first terminal block (Ref. ASM 31-32/04).
- B. Do the test given in Para. 3.B.

ALL 31-32-00

EFF:

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-914

Loss of the BSCU Output Bus 4 by the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading
AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
ASM 31-32/05

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION		IDENT.	LOCATION
121VU	HYDRAULIC/BRAKING AM	D STEERING/SYS2/SPLY	4GG	M36
12 1VU	HYDRAULIC/BRAKING AM	ID STEERING/SYS2/CTL	3GG	M35

- B. On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).
 - <u>NOTE</u>: If the fault message NO BSCU 2 DATA is shown on the current flight report or on the post flight report after reset of the anti skid and nose wheel steering system with the A/SKID & NOSE WHEEL control switch (5GG):
 - no action is necessary.

4. Fault Isolation

- A. If the test gives the maintenance message NO BSCU 2 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/8D, 8E to the first terminal block (Ref. ASM 31-32/05).
- B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-915

Loss of the ARINC 429 Data between the FWC 1 and the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-32-00-740-003 AMM 31-32-00-869-002 AMM 31-32-34-000-001 AMM 31-32-34-400-001 ASM 31-52/05	Ground Scanning of the CFDIU Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW) Installation of the CFDIU (1TW)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT. LOCATION

49VU FWS/FWC1/SPLY

3WW F01

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

If the fault is not confirmed, do the GROUND SCANNING of the CFDIU (Ref. AMM TASK 31-32-00-740-003).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

NO FWC 1 DATA

- replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/5D,
 5E to the first terminal block , (Ref. ASM 31-52/05).
- B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-916

Loss of the ARINC 429 Data between the FWC 2 and the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading
AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)
ASM 31-52/05

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU EIS/FWC2/SPLY

2WW Q07

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- B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message NO FWC 2 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/5F, 5G to the first terminal block (Ref. ASM 31-52/05).
 - B. Do the test given in Para. 3.B.

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EFF: ALL

SROS

TROUBLE SHOOTING MANUAL

**ON A/C 251-251,

TASK 31-32-00-810-918

Loss of the Output Bus of the Aft Cargo Compartment Heat Controller by the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
	AMM 31-32-00-869-002 AMM 31-32-34-000-001 AMM 31-32-34-400-001 ASM 31-32/02	Procedure for Class 3 Faults Reading Removal of the CFDIU (1TW) Installation of the CFDIU (1TW)

- 3. Fault Confirmation
 - A. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message NO AFT CHC DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/5H,
 5J to the first terminal block (Ref. ASM 31-32/02).
 - B. Do the test given in Para. 3.

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EFF :

251-251,

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-32-00-810-919

Loss of the MCDU 1 by the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		RENCE	DESIGNATION
	AMM	31-32-00-740-003	Ground Scanning of the CFDIU
	AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
	AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
	ASM	31-32/07	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU AUTO FLT/MCDU/1 11CA1 B01

- B. Test
 Do the GROUND SCANNING of the CFDIU (Ref. AMM TASK 31-32-00-740-003).
- 4. Fault Isolation
 - A. If the test gives the maintenance message NO MCDU1 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AA/3J,
 3H to the first terminal block and (Ref. ASM 31-32/07).
 - B. Do the test given in Para. 3.B.

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TASK 31-32-00-810-920

Loss of the MCDU 2 by the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-00-740-003 Ground Scanning of the CFDIU
AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)
ASM 31-32/07

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU AUTO FLT/MCDU/2

11CA2 N20

- B. Test
 Do the GROUND SCANNING of the CFDIU (Ref. AMM TASK 31-32-00-740-003).
- 4. Fault Isolation
 - A. If the test gives the maintenance message NO MCDU2 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) pins AB/3B, 3C to the first terminal block (Ref. ASM 31-32/07).
 - B. Do the test given in Para. 3.B.

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TASK 31-32-00-810-922

Failure of the MCDU3

- 1. Possible Causes
 - MCDU-3 (3CA3)
 - LGCIU-1 (5GA1)
 - RELAY-L/G POSITION, SYS1 (11GB)
 - RELAY-GND SERVICE BUS CHG OVER (53GA)
 - wiring
 - C/B-AUTO FLT/MCDU/3 (11CA3)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM AMM AMM	22-82-12-000-001 22-82-12-400-002 31-32-00-740-003 32-31-71-000-001 32-31-71-400-001 22-84/02 32-31/05	Removal of the MCDU (3CA1,3CA2,3CA3) Installation of the MCDU (3CA1,3CA2,3CA3) Ground Scanning of the CFDIU Removal of the LGCIU (5GA1, 5GA2) Installation of the LGCIU (5GA1, 5GA2)	
_	32-62/01		

- 3. Fault Confirmation
 - A. Test

Do the ground scanning of the CFDIU (Ref. AMM TASK 31-32-00-740-003).

- 4. Fault Isolation
 - A. If the test gives the maintenance message MCDU3 and the circuit breaker (11CA3) is closed:
 - do a check for 115VAC at the MCDU3 (3CA3).
 - (1) If there is 115VAC:
 - replace the MCDU-3 (3CA3) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
 - (2) If there is no 115VAC:
 - replace the RELAY-L/G POSITION, SYS1 (11GB).
 - (a) If the fault continues:
 - replace the LGCIU-1 (5GA1) (Ref. AMM TASK 32-31-71-000-001) and (Ref. AMM TASK 32-31-71-400-001).

EFF: ALL

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- 1 If the fault continues:
 - replace the RELAY-GND SERVICE BUS CHG OVER (53GA).
 - a If the fault continues:
 - do a check of the wiring from the relay (11GB):
 - pin A/C1 to MCDU3 (3CA3) pin A/40
 - pin A/C2 to the circuit breaker (11CA3)
 - . pin A/X1 to relay (53GA) pin A/B2
 - . pin A/X2 to LGCIU (5GA1) pin AB/1.
 - * If there is no continuity:

repair the related wiring.

* If there is continuity:

replace the C/B-AUTO FLT/MCDU/3 (11CA3) (Ref. ASM 22-84/02) (Ref. ASM 32-31/05) (Ref. ASM 32-62/01).

- B. If the test gives the maintenance message MCDU3 and the circuit breaker (11CA3) is open:
 - close this circuit breaker.
 - (1) If this circuit breaker trips:
 - disconnect these two units:

MCDU3 (3CA3)

Relay (11GB)

- close the circuit breaker (11CA3).
- (a) If this circuit breaker stays closed:
 - connect the units one by one until the circuit breaker (11CA3) trips
 - replace the related unit:
 For the MCDU3 (3CA3) (Ref. AMM TASK 22-82-12-000-001) and (Ref.
 AMM TASK 22-82-12-400-002).
- (b) If this circuit breaker trips again:
 - do a check for a short to ground between the circuit breaker
 (11CA3) and the two units (Ref. ASM 22-84/02).
 - $\underline{1}$ If there is a short to ground:
 - repair the related wiring.
 - 2 If there is no short to ground:
 - replace the C/B-AUTO FLT/MCDU/3 (11CA3).
- C. Do the test given in Para. 3.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-923

Loss of the Bus Output from the GPSSU1 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)

AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

ASM 34-58/01

- 3. Fault Confirmation
 - A. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-245, 276-286,
 - A. If the test gives the maintenance message NO GPSSU1 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from CFDIU (1TW) pins AA/1F, 1G to the first terminal block (Ref. ASM 34-58/01).

**ON A/C 247-275, 287-299, 426-499, 503-549, 551-599, 701-749,

- A. If the test gives the maintenance message NO MMR 1 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from CFDIU (1TW) pins AA/1F, 1G to the first terminal block (Ref. ASM 34-58/01).

EFF: ALL 31-32-00

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**ON A/C ALL

B. Do the test given in Para. 3.

EFF: ALL
SROS

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-924

Loss of the Bus Output from the GPSSU2 to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-32-00-869-002 Procedure for Class 3 Faults Reading
AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)

ASM 34-58/01

- 3. Fault Confirmation
 - A. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-245, 276-286,
 - A. If the test gives the maintenance message NO GPSSU2 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from CFDIU (1TW) pins AA/10B, 10C
 to the first terminal block (Ref. ASM 34-58/01).

**ON A/C 247-275, 287-299, 426-499, 503-549, 551-599, 701-749,

- A. If the test gives the maintenance message NO MMR 2 DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from CFDIU (1TW) pins AA/10B, 10C to the first terminal block (Ref. ASM 34-58/01).

EFF: ALL 31-32-00

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**ON A/C ALL

B. Do the test given in Para. 3.

EFF: ALL SROS 31-32-00

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TASK 31-32-00-810-925

Failure of the CFDIU Detected by the ADIRU1

- 1. Possible Causes
 - CFDIU (1TW)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)
AMM 34-14-00-740-001 Interface Test of the IR

- 3. Fault Confirmation
 - A. Test
 - (1) Do the Interface test of the IR (system 1) (Ref. AMM TASK 34-14-00-740-001).
- 4. Fault Isolation
 - A. If the BITE test gives the maintenance message CFDIU (1TW):
 replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - B. Do the test given in Para. 3.

31-32-00

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-926

Failure of the CFDIU Detected by the ADIRU2

- 1. Possible Causes
 - CFDIU (1TW)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)
AMM 34-14-00-740-001 Interface Test of the IR

- 3. Fault Confirmation
 - A. Test
 - (1) Do the Interface test of the IR (system 2) (Ref. AMM TASK 34-14-00-740-001).
- 4. Fault Isolation
 - A. If the BITE test gives the maintenance message CFDIU (1TW):
 replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - B. Do the test given in Para. 3.

31-32-00

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-927

Failure of the CFDIU Detected by the ADIRU3

- 1. Possible Causes
 - CFDIU (1TW)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)
AMM 34-14-00-740-001 Interface Test of the IR

- 3. Fault Confirmation
 - A. Test
 - (1) Do the Interface test of the IR (system 3) (Ref. AMM TASK 34-14-00-740-001).
- 4. Fault Isolation
 - A. If the BITE test gives the maintenance message CFDIU (1TW):
 replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - B. Do the test given in Para. 3.

31-32-00

EFF:

ALL

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-928

Failure of the CFDIU Detected by the ADIRU1

- 1. Possible Causes
 - CFDIU (1TW)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)
AMM 34-14-00-740-001 Interface Test of the IR

- 3. Fault Confirmation
 - A. Test
 - (1) Do the Interface test of the ADR (system 1) (Ref. AMM TASK 34-14-00-740-001).
- 4. Fault Isolation
 - A. If the BITE test gives the maintenance message CFDIU (1TW):
 replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - B. Do the test given in Para. 3.

31-32-00

EFF:

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-929

Failure of the CFDIU Detected by the ADIRU2

- 1. Possible Causes
 - CFDIU (1TW)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)
AMM 34-14-00-740-001 Interface Test of the IR

- 3. Fault Confirmation
 - A. Test
 - (1) Do the Interface test of the ADR (system 2) (Ref. AMM TASK 34-14-00-740-001).
- 4. Fault Isolation
 - A. If the BITE test gives the maintenance message CFDIU (1TW):
 replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - B. Do the test given in Para. 3.

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EFF:

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-930

Failure of the CFDIU Detected by the ADIRU3

- 1. Possible Causes
 - CFDIU (1TW)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 31-32-34-000-001 Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 Installation of the CFDIU (1TW)
AMM 34-14-00-740-001 Interface Test of the IR

- 3. Fault Confirmation
 - A. Test
 - (1) Do the Interface test of the ADR (system 3) (Ref. AMM TASK 34-14-00-740-001).
- 4. Fault Isolation
 - A. If the BITE test gives the maintenance message CFDIU (1TW):
 replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - B. Do the test given in Para. 3.

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EFF:

ALL

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-931

Failure of the CFDIU BITE Memory

- 1. Possible Causes
 - CFDIU (1TW)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-32-00-740-002	BITE Test of the Centralized Fault Display Interface Unit (CFDIU)
AMM AMM	31-32-34-000-001 31-32-34-400-001	Removal of the CFDIU (1TW) Installation of the CFDIU (1TW)

3. Fault Confirmation

A. Table of the circuit breakers used in this procedure:

PANEL DESIGNATION IDENT. LOCATION

121VU CFDS/CFDIU/SPLY 2TW J18

- B. Open and close the circuit breaker 2TW before the test.
- C. Do the BITE test of the CFDIU (Ref. AMM TASK 31-32-00-740-002).

4. Fault Isolation

- A. If the test gives the maintenance message CFDIU BITE MEMORY:
 replace the CFDIU (1TW), (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-932

Failure of the Discrete Links

- 1. Possible Causes
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

31-32-00-991-001

Fig. 201

- 3. Fault Confirmation
 - A. Not applicable, refer to the initial procedure.
- 4. Fault Isolation

(Ref. Fig. 201/TASK 31-32-00-991-001)

A. Trouble Shooting Procedure for the Discrete Links.

Use the procedure that follows to find:

- if the fault is in one of the receivers (computer B, C or D) of the discrete signal (refer to the schematic in the initial procedure to find the receivers related to the discrete signal), or
- if the fault is an unwanted ground of the discrete signal.

A fault in one receiver can change the status of the discrete signal and cause a fault detection by all the receivers.

The initial trouble shooting procedure can only let you know that the possible cause of the fault is the discrete source A or the wiring (discontinuity of the discrete signal).

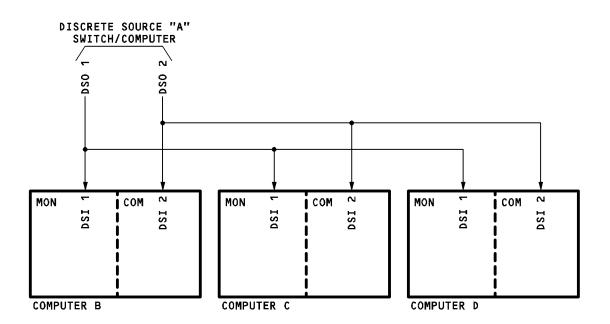
- (1) Remove the computer B.
- (2) Do the test given in Para. 3. of the initial procedure.
 - (a) if the fault stops:
 - replace the computer B.
 - (b) If the fault continues:
 - install the computer B

EFF: ALL

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Discrete Links Failure Figure 201/TASK 31-32-00-991-001

EFF: ALL SROS

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TROUBLE SHOOTING MANUAL

- remove the computer C
- do the test given in Para. 3. of the initial procedure.
- 1 If the fault stops:
 - replace the computer C.
- 2 If the fault continues:
 - install the computer C
 - remove the computer D
 - do the test given in Para. 3. of the initial procedure.
 - a If the fault stops:
 - replace the computer D.
 - b If the fault continues:
 - remove the computers B, C, D and the discrete source A
 - do a check of the wiring for a short to ground
 - install the computers B, C, D and the discrete source A.
 - c If the fault continues:
 - continue the initial procedure.

EFF: ALL

31-32-00

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-933

Failure of the Analog Links

- 1. Possible Causes
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

31-32-00-991-002

Fig. 202

- 3. Fault Confirmation
 - A. Not applicable, refer to the initial procedure.
- 4. Fault Isolation

(Ref. Fig. 202/TASK 31-32-00-991-002)

A. Trouble Shooting Procedure for the analog Links.

Use the procedure that follows to find:

- if the fault is in one of the receivers (computer B, C or D) of the analog signal (refer to the schematic in the initial procedure to find the receivers related to the analog signal), or
- if the fault is an unwanted ground of the analog signal.

A fault in one receiver can change the status of the analog signal and cause a fault detection by all the receivers.

The initial trouble shooting procedure can only let you know that the possible cause of the fault is the analog source A or the wiring (discontinuity of the analog signal).

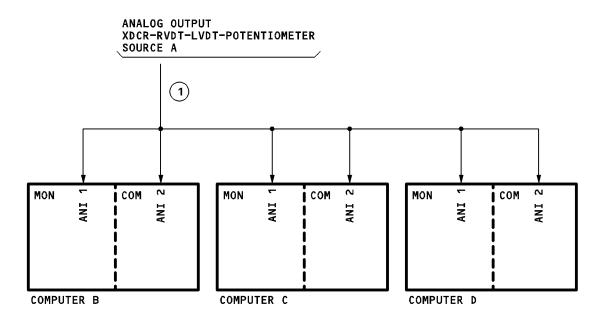
- (1) Remove the computer B.
- (2) Do the test given in Para. 3. of the initial procedure.
 - (a) if the fault stops:
 - replace the computer B.
 - (b) If the fault continues:
 - install the computer B

EFF: ALL

31-32-00

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TROUBLE SHOOTING MANUAL



1 THE ANI SIGNAL CONSISTS OF TWO OR FOUR WIRINGS.

Analog Links Failure Figure 202/TASK 31-32-00-991-002

EFF: ALL

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TROUBLE SHOOTING MANUAL

- remove the computer C
- do the test given in Para. 3. of the initial procedure.
- 1 If the fault stops:
 - replace the computer C.
- 2 If the fault continues:
 - install the computer C
 - remove the computer D
 - do the test given in Para. 3. of the initial procedure.
 - a If the fault stops:
 - replace the computer D.
 - b If the fault continues:
 - remove the computers B, C, D and the analog source A
 - do a check of the wiring for a short to ground
 - install the computers B, C, D and the analog source A.
 - c If the fault continues:
 - continue the initial procedure.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-934

Failure of the Digital Links

- 1. Possible Causes
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

31-32-00-991-003

Fig. 203

- 3. Fault Confirmation
 - A. Not applicable, refer to the initial procedure.
- 4. Fault Isolation

(Ref. Fig. 203/TASK 31-32-00-991-003)

A. Trouble Shooting Procedure for the digital Links.

Use the procedure that follows to find:

- if the fault is in one of the receivers (computer B, C or D) of the digital signal (refer to the schematic in the initial procedure to find the receivers related to the digital signal), or
- if the fault is an unwanted ground of the digital signal.

A fault in one receiver can change the status of the digital signal and cause a fault detection by all the receivers.

The initial trouble shooting procedure can only let you know that the possible cause of the fault is the digital source A or the wiring (discontinuity of the digital signal).

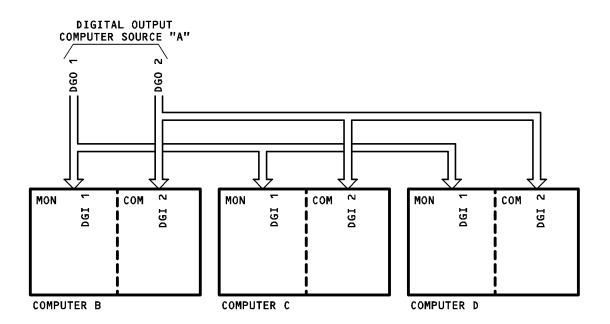
- (1) Remove the computer B.
- (2) Do the test given in Para. 3. of the initial procedure.
 - (a) if the fault stops:
 - replace the computer B.
 - (b) If the fault continues:
 - install the computer B

EFF: ALL

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Digital Links Failure Figure 203/TASK 31-32-00-991-003

EFF : ALL
SROS

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TROUBLE SHOOTING MANUAL

- remove the computer C
- do the test given in Para. 3. of the initial procedure.
- 1 If the fault stops:
 - replace the computer C.
- 2 If the fault continues:
 - install the computer C
 - remove the computer D
 - do the test given in Para. 3. of the initial procedure.
 - a If the fault stops:
 - replace the computer D.
 - b If the fault continues:
 - remove the computers B, C, D and the digital source A
 - do a check of the wiring for a short to ground
 - install the computers B, C, D and the digital source A.
 - c If the fault continues:
 - continue the initial procedure.

31-32-00

R

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EFF:

ALL

TROUBLE SHOOTING MANUAL

R **ON A/C 503-549, 551-599,

TASK 31-32-00-810-935

Loss of the BUS from the SDU to the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 31-32-00-740-009 Read the AVIONICS STATUS on the MCDU AMM 31-32-34-000-001 Removal of the CFDIU (1TW) ASM 31-32/03 ASM 31-32/04

- 3. Fault Confirmation
- R **ON A/C 503-549, 551-599,
- R Post SB 23-1143 For A/C 503-549,551-557,
- R Post SB 23-1144 For A/C 503-549,551-557,
 - A. Read the AVIONICS STATUS on the MCDU (Ref. AMM TASK 31-32-00-740-009).
- R **ON A/C 503-549, 551-599,
 - 4. Fault Isolation
- R **ON A/C 503-549, 551-599,
- R Post SB 23-1143 For A/C 503-549,551-557,
- R Post SB 23-1144 For A/C 503-549,551-557,
 - A. If the test gives the maintenance message NO SDU DATA:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).

R | EFF : 503-549, 551-599,

31-32-00

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SROS

TROUBLE SHOOTING MANUAL

- (1) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the first terminal block (Ref. ASM 31-32/03) (Ref. ASM 31-32/04):
 - (a) Pin AA/11F, 11G to the first terminal block.
 - (b) Pin AA/13D, 13E to the first terminal block.
- B. Do the test given in Para. 3.B.

31-32-00

R

SROS

EFF :

503-549, 551-599,

TROUBLE SHOOTING MANUAL

R **ON A/C 247-275, 287-299, 429-475, 479-499, 503-549, 551-599,

TASK 31-32-00-810-936

Loss of the BUS from the Multipurpose Disk Drive Unit (MDDU) to the CFDIU

- 1. Possible Causes
 - MDDU
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-32-00-740-009	Read the AVIONICS STATUS on the MCDU	
AMM	31-38-22-000-001	Removal of the MDDU (1TD)	
AMM	31-38-22-400-001	Installation of the MDDU (1TD)	

3. Fault Confirmation

ASM 31-38/01

SROS

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
121111	DATA/I DADER/SPLY	 3td	J16

R **ON A/C 247-275, 429-475, 479-499, 503-549, 551-599,

121VU DLS&/DLRB/SPLY 5TD J15

- R **ON A/C 247-275, 287-299, 429-475, 479-499, 503-549, 551-599,
 - B. Read the AVIONICS STATUS on the MCDU (Ref. AMM TASK 31-32-00-740-009).

EFF: 247-275, 287-299, 429-475, 479-499, 503-549, 551-599,

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the test gives the maintenance message NO MDDU DATA:
 - (1) replace the MDDU (Ref. AMM TASK 31-38-22-000-001) and (Ref. AMM TASK 31-38-22-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring between the MDDU plug connector and the CFDIU (1TW) (Ref. ASM 31-38/01):
 - pin A/24, 25 to pin AA/9F, 9G (1TW).
 - pin A/12,13 to pin AA/11F, 11G (1TW).
- B. Do the test given in Para. 3.B.

TROUBLE SHOOTING MANUAL

R **ON A/C 247-275, 287-299, 429-475, 481-499, 503-549, 551-599,

TASK 31-32-00-810-937

Failure of the CFDIU

- 1. Possible Causes
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

```
AMM 31-32-00-740-009 Read the AVIONICS STATUS on the MCDU AMM 31-32-34-000-001 Removal of the CFDIU (1TW) ASM 46-21/06
```

3. Fault Confirmation

R **ON A/C 247-275, 287-299, 429-475, 481-499, 503-549, 551-599,

```
Post SB 46-1001 For A/C 503-549,
Post SB 46-1005 For A/C 551-557,
```

R

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

R **ON A/C 247-275, 429-475, 481-499, 503-549, 551-555, 559-599,

Post SB 46-1001 For A/C 503-549, Post SB 46-1005 For A/C 551-555,

R

121VU ATSU 1 3TX1 L16 121VU ATSU 1/SWTG 5TX1 L15

EFF: 247-275, 287-299, 429-475, 481-499, 503-549, 551-599,

31-32-00

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SROS

TROUBLE SHOOTING MANUAL

**ON A/C 247-275, 287-299, 429-475, 481-499, 503-549, 551-599,

Post SB 46-1001 For A/C 503-549, Post SB 46-1005 For A/C 551-557,

B. Read the AVIONICS STATUS on the MCDU (Ref. AMM TASK 31-32-00-740-009).

**ON A/C 247-275, 287-299, 429-475, 481-499, 503-549, 551-599,

4. Fault Isolation

**ON A/C 247-275, 287-299, 429-475, 481-499, 503-549, 551-599,

Post SB 46-1001 For A/C 503-549, Post SB 46-1005 For A/C 551-557,

- A. If the test gives the maintenance message NO ATSU DATA:
 - (1) replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (2) If the fault continues:

do a check and repair the wiring from the CFDIU (1TW) pins AB/9B, 9C to the first terminal block (Ref. ASM 46-21/06).

B. Do the test given in Para. 3.B.

247-275, 287-299, 429-475, 481-499,

503-549, 551-599,

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-32-00-810-938

No Access to System BITEs from the MCDU

- 1. Possible Causes
 - CFDIU (1TW)
 - computer on the output bus
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-32-00-740-002	BITE Test of the Centralized Fault Display Interface Unit (CFDIU)	
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)	
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)	
ASM	31-32/02		
ASM	31-32/03		
ASM	31-32/04		
ASM	31-32/05		

- 3. Fault Confirmation
 - A. Table of the circuit breakers used in this procedure:

PANEL	DESIGNATION	IDENT.	LOCATION
121VU	CFDS/CFDIU/SPLY	2TW	J 18

R **ON A/C 201-225, 227-227, 229-299, 426-499, 503-549, 551-560, 701-749,

Post SB 31-1163 For A/C 433-450,

121VU CFDS/CFDIU/BACK/UP

8TW J17

EFF: ALL

31-32-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

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R	Τ≏	e t

(1) Reset of the CFDIU

NOTE : Open the circuit breakers for some seconds before you close them.

- (a) Open this(these) circuit breaker(s):
 - 1 2TW
 - 2 8TW
- (b) Close this(these) circuit breaker(s):
 - 1 2TW
 - 2 8TW
- (2) Do the BITE test of the CFDIU for the power up test result (Ref. AMM TASK 31-32-00-740-002).

4. Fault Isolation

- A. If the fault symptom is identified by:
 - no access to system BITEs from the MCDU and
 - power up test result not OK
 - (1) Make a record of the CFDS maintenance fault message.
 - (2) Do the trouble shooting procedure related to the CFDS fault message.
- B. If the fault symptom is identified by:
 - no access to system BITEs from the MCDU and
 - power up test result: TEST OK
 - (1) Check of the CFDIU and the electrical connector for correct condition.
 - (a) Remove the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001).

EFF: ALL

31-32-00

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TROUBLE SHOOTING MANUAL

- (b) Install a new CFDIU (1TW) (Ref. AMM TASK 31-32-34-400-001).
- (2) If the fault continues:
 - (a) Use the Aircraft Schematic Manual (ASM) to find the number (1, 2, 3 or 4) of the CFDIU output bus related to the system BITEs which do not operate (each computer is linked to an output bus number).
 - (b) Do a check and repair the wiring from the related CFDIU output bus to the first terminal block (only bus 1, 2, 3 or 4):
 - ____ For output bus 1, from connector AA/2B, 2C to the first terminal block (Ref. ASM 31-32/02).
 - For output bus 2, from connector AB/2H, 2J to the first terminal block (Ref. ASM 31-32/03).
 - For output bus 3, from connector AA/11F, 11G to the first terminal block (Ref. ASM 31-32/04).
 - 4 For output bus 4, from connector AB/11D, 11E to the first terminal block (Ref. ASM 31-32/05).
- (3) If the fault continues:
 - (a) Remove all the computers connected to the CFDIU output bus (1, 2, 3 or 4) related to the system BITEs which do not operate (each computer is linked to an output bus number)
 - NOTE: The list of computers related to each CFDIU output bus is given in the Aircraft Schematic Manual (ASM).
 - (b) Check of the CFDIU output bus wiring and each computer on the output bus.
 - Do a check and repair the wiring for one computer on the output bus (only bus 1, 2, 3 or 4):
 - NOTE : If the POST FLIGHT REPORT (PFR) gives a CFDS fault message(s) of the type "NO DATA FROM CFDIU", first do a check of the line related to the computer which is the source of this maintenance message.
 - \underline{a} For output bus 1, from connector AA/2B, 2C to the connector of the computer (Ref. ASM 31-32/02).
 - <u>b</u> For output bus 2, from connector AB/2H, 2J to the connector of the computer (Ref. ASM 31-32/03).
 - <u>c</u> For output bus 3, from connector AA/11F, 11G to the connector of the computer (Ref. ASM 31-32/04).

EFF: ALL

31-32-00

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TROUBLE SHOOTING MANUAL

- <u>d</u> For output bus 4, from connector AB/11D, 11E to the connector of the computer (Ref. ASM 31-32/05).
- 2 If the wiring to this computer is correct, install the computer.
- 3 Do a check for access to the system BITE of this computer.
 - a If the access to the BITE is not possible
 - replace the defective computer
 - install all the other computers that you removed.
 - b If the access to the BITE is possible
 - do the same checks (output bus wiring and computer BITE) until you find the defective line or computer.

C. Test

(1) Make sure that all the system BITEs are available.

NOTE: The list of computers related to each CFDIU output bus is given in the Aircraft Schematic Manual (ASM).

(2) Do the BITE test of the CFDIU (Ref. AMM TASK 31-32-00-740-002).

31-32-00

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R

SROS

EFF:

ALL

TROUBLE SHOOTING MANUAL

**ON A/C 254-275, 451-475,

TASK 31-32-00-810-939

Loss of the BUS from the GAPCU to the CFDIU

- 1. Possible Causes
- R BAT BUS/301PP/SPLY (11PB)
 - GAPCU (24XG)
 - CFDIU (1TW)
 - wiring
 - 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R	24-00-00-810-803		Circuit Breaker Tripped and/or C/B TRIPPED Warning
	AMM	24-41-34-000-001	Removal of the Ground Auxiliary Power Control Unit (GAPCU) (24XG)
	AMM	24-41-34-400-001	Installation of the Ground Auxiliary Power Control Unit (GAPCU) (24XG)
	AMM	31-32-00-740-009	Read the AVIONICS STATUS on the MCDU
	AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
	AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
R	SIL	20-022	
	ASM	31-32/06	

- 3. Fault Confirmation
 - A. Read the AVIONICS STATUS on the MCDU (Ref. AMM TASK 31-32-00-740-009).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

NO GAPCU DATA

EFF: 254-275, 451-475,

31-32-00

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R	(a) If the fault continues:
R	
R	- Replace the GAPCU (24XG) (Ref. AMM TASK 24-41-34-000-001) and
R	(Ref. AMM TASK 24-41-34-400-001).
R	
R	1 If the fault continues:
R	- Replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and
R	(Ref. AMM TASK 31-32-34-400-001).
R	
R	a If the fault continues:
R	 Do a check and repair the wiring between the GAPCU (24XG)
R	connector AA/8F, 7F and the CFDIU (1TW) connector AA/6G,

B. Do the test given in Para. 3.A.

EFF: 254-275, 451-475,

31-32-00

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**ON A/C ALL

TASK 31-32-00-810-940

Loss of the Output Bus from the CIDS Director 1 to the CFDIU

- 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - CFDIU (1TW)
 - wiring from the CFDIU (1TW) to the CIDS director 1 (101RH)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION		
AMM AMM AMM	23-73-34-000-001 23-73-34-400-001 31-32-00-740-003 31-32-34-000-001 31-32-34-400-001 31-32/04	Removal of the CIDS Director (101RH, Installation of the CIDS Director (1 Ground Scanning of the CFDIU Removal of the CFDIU (1TW) Installation of the CFDIU (1TW)		RH)
3. <u>F</u>	ault Confirmation			
A	. Make sure that th	is(these) circuit breaker(s) is(are) cl	osed:	
PANE	L DESIGNATION		IDENT.	LOCATION
**0N	A/C 201-225, 227-22	27, 229-299, 426-499, 503-549, 551-599,		
		14		
49	VU COM/CIDS/DIR ESS	1	150RH	G01
	VU COM/CIDS/DIR ESS/ A/C 701-749,	1	15URH	G01

EFF: ALL

121VU COM NAV/CIDS/DIR NORM/1

R **ON A/C 201-225, 227-227, 229-275, 426-475, 551-599,

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151RH

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M05

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R

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PANEL DESIGNATION ______

IDENT. LOCATION

**ON A/C 276-299, 476-499, 503-549,

121VU COM NAV/CIDS/DIR NORM/1

151RH

M06

**ON A/C 701-749,

121VU COM NAV/CIDS/DIR 1 AND 2/NORM

151RH

M05

**ON A/C ALL

B. Do the ground scanning of the CFDIU (Ref. AMM TASK 31-32-00-740-003).

4. Fault Isolation

A. If the test gives the maintenance message:

NO CIDS 1 DATA

- replace the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001) and (Ref. AMM TASK 23-73-34-400-001).
- (1) If the fault continues:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
- (2) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the CIDS director 1 (101RH) from pins AA/3F, 3G to pins AA/11A, 11B (Ref. ASM 31-32/04).
- B. Do the test given in Para. 3.B.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-32-00-810-941

Failure of the ATSU

- 1. Possible Causes
 - ATSU (1TX1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-32-00-740-009 AMM 46-21-34-000-001 AMM 46-21-34-400-001	Read the AVIONICS STATUS on the MCDU Removal of the Air Traffic Service Unit (ATSU) (1TX1) Installation of the Air Traffic Service Unit (ATSU) (1TX1)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

R **ON A/C 247-275, 429-475, 481-499, 503-549, 551-555, 559-599,

Post SB 46-1001 For A/C 503-549, Post SB 46-1005 For A/C 551-555,

R

121VU ATSU 1 121VU ATSU 1/SWTG 3TX1 L16 5TX1 L15

**ON A/C ALL

- B. Read the AVIONICS STATUS on the MCDU (Ref. AMM TASK 31-32-00-740-009).
- 4. Fault Isolation
 - A. If the test gives the maintenance message NO ATSU DATA:
 - (1) replace the ATSU (1TX1) (Ref. AMM TASK 46-21-34-000-001) and (Ref. AMM TASK 46-21-34-400-001).
 - B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

DIGITAL FLIGHT DATA RECORDING SYSTEM INTERCONNECTION (FDIMU, DFDR, QAR) FAULT ISOLATION PROCEDURES

TASK 31-33-00-810-801

DFDR (1TU) Inoperative

- 1. Possible Causes
 - DFDR (1TU)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AM	MM 31-33-00-710-001	Operational Test of the Power Interlocks and Status Monitoring	
AM	MM 31-33-55-000-001	Removal of the Digital Flight Data Recorder (DFDR)	
AM	MM 31-33-55-400-002	Installation of the Digital Flight Data Recorder (DFDR)	
AS	SM 31-33/01		

- 3. Fault Confirmation
 - A. Do the Operational Test of the Power Interlocks and Status Monitoring (Ref. AMM TASK 31-33-00-710-001).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - A. If the test gives the maintenance message DFDR:
 - make sure that the CB 7TU and 4RK are closed,
 - make sure that the ground control pushbutton is pushed on,
 - do a check for 115 VAC at the DFDR (1TU) connectors AA/1 and AA/2 (Ref. ASM 31-33/01).
 - (1) If there is 115 VAC:
 - replace the DFDR (1TU) (Ref. AMM TASK 31-33-55-000-001) and (Ref. AMM TASK 31-33-55-400-002).

EFF: ALL 31-33-00

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- (2) If there is no 115 VAC:
 - do a check and repair the wiring as necessary (Ref. ASM 31-33/01), between:

CB 7TU and relay 6RK A/B,

CB 7TU and relay 8RK A/B,

Relay 6RK pin A/4 and DFDR (1TU) connector AA/1,

Relay 8RK pin A/3 and relay 6RK pin A/4

DFDR ground pin AA/6 and ground,

DFDR ground pin AA/21 and ground,

- do a check for 28VDC at the relay 6RK and 8RK pin A/X and A/Z (Ref. ASM 31-33/01)
- (3) If the failure continues check and repair the wiring as necessary (Ref. ASM 31-33/01) between:

DFDR (1TU) connector AA/23 and SDAC 1 (1WV1) ,SDAC 2 (1WV2) connector AA/9K,

DFDR (1TU) connector AA/7 and FDIU (2TU) connector AA/9J,

DFDR (1TU) connector AA/8 and FDIU (2TU) connector AA/9K,

DFDR (1TU) connector AA/9 and FDIU (2TU) connector AA/9E,

DFDR (1TU) connector AA/10 and FDIU (2TU) connector AA/9F.

**ON A/C 254-275, 451-475,

- A. If the test gives the maintenance message DFDR:
 - make sure that the CB 5TV and 4RK are closed,
 - on the 21VU make sure that the RCDR GND CTL switch is on (the blue light indicator is on).
 - do a check for 115 VAC at the DFDR (1TU) connectors AA/1 and AA/2 (Ref. ASM 31-33/01).
 - (1) If there is 115 VAC:
 - replace the DFDR (1TU) (Ref. AMM TASK 31-33-55-000-001) and (Ref. AMM TASK 31-33-55-400-002).

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•

EFF: ALL

TROUBLE SHOOTING MANUAL

- (2) If there is no 115 VAC:
 - do a check and repair the wiring if necessary (Ref. ASM 31-33/01), between:

CB 7TU and relay 6RK A/B,

CB 7TU and relay 8RK A/B,

Relay 6RK pin A/4 and DFDR (1TU) connector AA/1,

Relay 8RK pin A/3 and relay 6RK pin A/4

DFDR ground pin AA/6 and ground,

DFDR ground pin AA/21 and ground,

- do a check for 28VDC at the relay 6RK and 8RK pin A/X and A/Z (Ref. ASM 31-33/01)
- (3) If the failure continues check and repair the wiring if necessary (Ref. ASM 31-33/01) between:

DFDR (1TU) connector AA/23 and SDAC 1 (1WV1) ,SDAC 2 (1WV2) connector AA/9K,

DFDR (1TU) connector AA/7 and FDIMU (10TV) connector AA/12G,

DFDR (1TU) connector AA/8 and FDIMU (10TV) connector AA/12H,

DFDR (1TU) connector AA/9 and FDIMU (10TV) connector AB/12G,

DFDR (1TU) connector AA/10 and FDIMU (10TV) connector AB/12H.

**ON A/C ALL

B. Do the test given in paragraph 3.A. again to check the correct operation (no maintenance message display).

EFF: ALL

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R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 31-33-00-810-802

FDIU (2TU) Inoperative

- 1. Possible Causes
 - FDIU (2TU)
 - AMU (1RN)
 - Circuit Breaker 8TU
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-51-34-000-001	Removal of the Audio Management Unit (AMU) (1RN)	
AMM	23-51-34-400-001	Installation of the Audio Management Unit (AMU) (1RN)	
AMM	31-33-00-710-006	Operational Test of DFDR System thru the MCDU	
AMM	31-33-34-000-001	Removal of the Flight Data Interface Unit (FDIU) (2TU)	
AMM	31-33-34-400-001	<pre>Installation of the Flight Data Interface Unit (FDIU) (2TU)</pre>	
ASM	31-33/01		
ASM	31-34/00		

- 3. Fault Confirmation
 - A. Do the FDIU (2TU) fault monitoring test via the CFDS (Ref. AMM TASK 31-33-00-710-006).
- 4. Fault Isolation
 - A. If the FDIU (2TU) test gives the maintenance message FDIU:
 - (1) Make sure that the Circuit Breaker 8TU is closed.
 - (2) Do a check for 115 VAC at the FDIU (2TU) connectors AC/1 and AC/7 (Ref. ASM 31-33/01).
 - (3) If there is 115 VAC:
 - (a) Do a check and repair the wiring as necessary (Ref. ASM 31-34/00) between:
 - FDIU (2TU) connector AA/15A and AMU (1RN) pin 2J
 - FDIU (2TU) connector AA/15B and AMU (1RN) pin 2K.

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (b) If the failure continues replace the FDIU (2TU) (Ref. AMM TASK 31-33-34-000-001) (Ref. AMM TASK 31-33-34-400-001).
- (c) If the failure continues replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) (Ref. AMM TASK 23-51-34-400-001).

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (4) If there is no 115 VAC:
 - (a) Do a check and repair the wiring as necessary (Ref. ASM 31-33/01) between:
 - CB 8TU and FDIU (2TU) connector AC/1
 - FDIU (2TU) connector AC/7 and ground
 - FDIU (2TU) connector AA/15J and ground
 - FDIU (2TU) connector AA/15K and ground
 - FDIU (2TU) connector AB/15K and ground
 - FDIU (2TU) connector AB/15J and ground
 - FDIU (2TU) connector AB/9B and SDAC 1 (1WV1), SDAC 2 (1WV2) at connector AA/10K
 - FDIU (2TU) connector AB/9E and CFDIU (1TW) connector AB/11D
 - FDIU (2TU) connector AB/9F and CFDIU (1TW) connector AB/11E
 - FDIU (2TU) connector AB/9J and CFDIU (1TW) connector AB/8B
 - FDIU (2TU) connector AB/9K and CFDIU (1TW) connector AB/8C.
- **B.** Do the test given in paragraph 3.A. again to check the correct operation (no maintenance message display).

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**ON A/C ALL

TASK 31-33-00-810-803

Quick Access Recorder (QAR) (3TU) Inoperative

- 1. Possible Causes
 - QAR (3TU)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-33-00-710-005 AMM 31-33-52-000-001 AMM 31-33-52-400-001 ASM 31-33/01	Operational Test of the Quick Access Recorder (QAR) Removal of the Quick Access Recorder (QAR) (3TU) Installation of the Quick Access Recorder (QAR) (3TU)

- 3. Fault Confirmation
 - A. Do the Operational Test of the QAR (Ref. AMM TASK 31-33-00-710-005).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-245, 252-253, 276-299, 426-450, 476-499, R 503-549, 551-599, 701-749,
 - A. If the test gives the maintenance message QAR:
 - make sure that the CBs 8TU and 9TU are closed,
 - do a check for 28 VDC at the QAR (3TU) connectors A/53 and A/47 (Ref. ASM 31-33/01),
 - do a check for 115 VAC at the QAR (3TU) connectors A/37 and A/38 (Ref. ASM 31-33/01).
 - (1) If there is 28 VDC and 115 VAC:
 - replace the QAR (3TU) (Ref. AMM TASK 31-33-52-000-001) and (Ref. AMM TASK 31-33-52-400-001).
 - (2) If there is no 28 VDC:
 - do a check of the wiring (Ref. ASM 31-33/01), between:

CB 9TU and QAR (3TU) connector A/53,

EFF: ALL **SROS**

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QAR (3TU) connector A/47 and ground.

- (3) If there is no 115 VDC:
 - do a check of the wiring (Ref. ASM 31-33/01), between:

CB 8TU and QAR (3TU) connector A/37,

QAR (3TU) connector A/38 and ground.

- (4) If the fault continues:
 - do a check and repair the wiring as necessary, between:

QAR (3TU) connector A/52 and relay 6RK A/6,

Relay 6RK A/6 and relay 8RK A/5,

Relay 6RK A/C and relay 8RK A/C,

Relay 6RK A/C and QAR (3TU) connector A/51,

QAR (3TU) connector A/36 and FDIU (2TU) connector AB/11H,

QAR (3TU) connector A/54 and FDIU (2TU) connector AB/11G,

QAR (3TU) connector A/55 and FDIU (2TU) connector AA/9A,

QAR (3TU) connector A/56 and FDIU (2TU) connector AA/9B.

**ON A/C 247-251,

- A. If the test gives the maintenance message QAR:
 - make sure that the CBs 8TU and 9TU are closed,
 - do a check for 28 VDC at the QAR (3TU) connectors AA/6D and AA/5K (Ref. ASM 31-33/01),
 - do a check for 115 VAC at the QAR (3TU) connectors AC/1 and AC/4 (Ref. ASM 31-33/01).
 - (1) If there is 28 VDC and 115 VAC:
 - replace the QAR (3TU) (Ref. AMM TASK 31-33-52-000-001) and (Ref. AMM TASK 31-33-52-400-001).
 - (2) If there is no 28 VDC:
 - do a check and repair if necessary the wiring (Ref. ASM 31-33/01), between:

CB 9TU/2 and QAR (3TU) connector AA/6D,

EFF: 201-225, 227-227, 229-245, 247-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749, SROS

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QAR (3TU) connector AA/5K and ground.

- (3) If there is no 115 VDC:
 - do a check and repair if necessary the wiring (Ref. ASM 31-33/01), between:

CB 8TU/2 and QAR (3TU) connector AC/1,

QAR (3TU) connector AC/4 and ground.

- (4) If the fault continues:
 - do a check and repair if necessary the wiring, between:

QAR (3TU) connector AA/1E and relay 6RK A/6,

Relay 6RK A/6 and relay 8RK A/5,

Relay 6RK A/C and relay 8RK A/C,

Relay 6RK A/C and QAR (3TU) connector AA/12G,

QAR (3TU) connector AA/5G and FDIU (2TU) connector AB/11H,

QAR (3TU) connector AA/5D and FDIU (2TU) connector AB/11G,

QAR (3TU) connector AA/1A and FDIU (2TU) connector AA/9A,

QAR (3TU) connector AA/2A and FDIU (2TU) connector AA/9B.

**ON A/C 254-275, 451-475,

- A. If the test gives the maintenance message QAR:
 - make sure that the CBs 5TV and 9TU are closed,
 - do a check for 28 VDC at the QAR (3TU) connectors A/53 and A/47 (Ref. ASM 31-33/01),
 - do a check for 115 VAC at the QAR (3TU) connectors A/37 and A/38 (Ref. ASM 31-33/01).
 - (1) If there is 28 VDC and 115 VAC:
 - replace the QAR (3TU) (Ref. AMM TASK 31-33-52-000-001) and (Ref. AMM TASK 31-33-52-400-001).
 - (2) If there is no 28 VDC:
 - do a check and repair if necessary the wiring (Ref. ASM 31-33/01), between:

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CB 9TU/2 and QAR (3TU) connector A/53,

QAR (3TU) connector A/47 and ground.

- (3) If there is no 115 VDC:
 - do a check and repair if necessary the wiring (Ref. ASM 31-33/01), between:

CB 5TV/2 and QAR (3TU) connector A/37,

QAR (3TU) connector A/38 and ground.

- (4) If the fault continues:
 - do a check and repair the wiring as necessary, between:

QAR (3TU) connector A/52 and relay 6RK A/6,

Relay 6RK A/6 and relay 8RK A/5,

Relay 6RK A/C and relay 8RK A/C,

Relay 6RK A/C and QAR (3TU) connector A/51,

QAR (3TU) connector A/36 and FDIMU (10TV) connector AB/11G,

QAR (3TU) connector A/54 and FDIMU (10TV) connector AB/11F,

QAR (3TU) connector A/55 and FDIMU (10TV) connector AA/13C,

QAR (3TU) connector A/56 and FDIMU (10TV) connector AA/13D.

**ON A/C ALL

B. Do the test given in paragraph 3.A. again to check the correct operation (no maintenance message display).

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-33-00-810-804

QAR (3TU) Tape/Media Low

- 1. Possible Causes
 - QAR (3TU)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
	_, 00 _,0 00	
AMM	31-33-00-710-005	Operational Test of the Quick Access Recorder (QAR)
AMM	31-33-52-000-001	Removal of the Quick Access Recorder (QAR) (3TU)
AMM	31-33-52-400-001	Installation of the Quick Access Recorder (QAR) (3TU)
ASM	31-33/01	

- 3. Fault Confirmation
 - A. Do the Operational Test of the QAR (Ref. AMM TASK 31-33-00-710-005) (this includes the replacement of data medium).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-245, 252-253, 276-299, 426-450, 476-499, R 503-549, 551-599, 701-749,
 - A. If the test gives the maintenance message QAR TAPE LOW:

- do a check and repair the wiring as necessary (Ref. ASM 31-33/01), between:

QAR (3TU) connector A/36 and FDIU (2TU) connector AB/11H

- (1) If the fault continues:
 - replace the QAR (3TU) (Ref. AMM TASK 31-33-52-000-001) and (Ref. AMM TASK 31-33-52-400-001).

**ON A/C 247-251,

- A. If the test gives the maintenance message QAR TAPE LOW:
 - do a check and repair the wiring as necessary (Ref. ASM 31-33/01), between:

EFF: ALL

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QAR (3TU) connector AA/5G and FDIU (2TU) connector AB/11H

- (1) If the fault continues:
 - replace the QAR (3TU) (Ref. AMM TASK 31-33-52-000-001) and (Ref. AMM TASK 31-33-52-400-001).

**ON A/C 254-275, 451-475,

- A. If the test gives the maintenance message QAR TAPE LOW or QAR MEDIA LOW:
 - make sure that a non-writeprotected disk with enough unrecorded capacity is inserted.
 - (1) If the fault continues:
 - do a check and repair if necessary the wiring between QAR (3TU) connector A/36 and the FDIMU (10TV) connector AB/11G.
 - (2) If the fault continues:
 - replace the QAR (3TU) (Ref. AMM TASK 31-33-52-000-001) and (Ref. AMM TASK 31-33-52-400-001).

**ON A/C ALL

B. Do the test given in paragraph 3.A. again to check the correct operation (no maintenance message display).

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-33-00-810-805

Accelerometer (6TU) Fault

- 1. Possible Causes
 - ACCELEROMETER-THREE AXIS (6TU)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-33-16-000-001

_ . .

AMM 31-33-16-400-001

Removal of the Three-Axis-Accelerometer (LA)
Installation of the Three-Axis-Accelerometer (LA)

ASM 31-33/01

- 3. Fault Confirmation
 - A. Do the LA (6TU) test (Ref. AMM TASK 31-33-16-400-001) paragraph 4..
- 4. Fault Isolation
 - A. If the test gives no 'g' values.
 - make sure that the CB 9TU is closed,
 - do a check for 28 VDC at the LA (6TU) connectors A/A and A/B (Ref. ASM 31-33/01).
 - (1) If there is 28 VDC:
 - replace the ACCELEROMETER-THREE AXIS (6TU) (Ref. AMM TASK 31-33-16-000-001) and (Ref. AMM TASK 31-33-16-400-001)
 - (2) If there is no 28 VDC:
 - do a check and repair the wiring as necessary (Ref. ASM 31-33/01), between:

CB 9TU and the LA (6TU) connector A/A,

LA (6TU) connector A/C and SDAC 1 (1WV1), SDAC 2 (1WV2) connector 11/C

LA (6TU) connector A/D and SDAC 1 (1WV1), SDAC 2 (1WV2) connector 11/D

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LA (6TU) connector A/E and SDAC 1 (1WV1), SDAC 2 (1WV2) connector 11/E

LA (6TU) connector A/F and SDAC 1 (1WV1), SDAC 2 (1WV2) connector 11/F

LA (6TU) connector A/G and SDAC 1 (1WV1), SDAC 2 (1WV2) connector 11/G

LA (6TU) connector A/H and SDAC 1 (1WV1), SDAC 2 (1WV2) connector 11/H

B. Do the test given in paragraph 3.A. again to check the correct operation (no maintenance message display).

EFF: ALL

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GA319/A320/A321

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TASK 31-33-00-810-806

DFDR (1TU) Playback Data Fault

- 1. Possible Causes
 - DFDR (1TU)
 - FDIU (2TU)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-33-00-710-001	Operational Test of the Power Interlocks and Status Monitoring	
AMM	31-33-34-000-001	Removal of the Flight Data Interface Unit (FDIU) (2TU)	
AMM	31-33-34-400-001	<pre>Installation of the Flight Data Interface Unit (FDIU) (2TU)</pre>	
AMM	31-33-55-000-001	Removal of the Digital Flight Data Recorder (DFDR)	
AMM	31-33-55-400-002	Installation of the Digital Flight Data Recorder (DFDR)	
AMM	31-36-34-000-002	Removal of the FDIU/DMU (FDIMU) (10TV)	
AMM ASM	31-36-34-400-002 31-33/01	Installation of the FDIU/DMU (FDIMU) (10TV)	

- 3. Fault Confirmation
 - A. Do the Operational Test of the Power Interlocks and Status Monitoring (Ref. AMM TASK 31-33-00-710-001).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - A. If the test gives the maintenance message DFDR PLAYBACK:do a check of the wiring (Ref. ASM 31-33/01), between:

DFDR (1TU) connector AA/7 and 1971VC connector A/56,

DFDR (1TU) connector AA/8 and 1971VC connector A/57,

DFDR (1TU) connector AA/9 and 1971VC connector A/58,

DFDR (1TU) connector AA/10 and 1971VC connector A/59,

EFF: ALL 31-33-0

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DFDR (1TU) connector AA/22 and 1971VC connector A/54, 1971VC connector A/56 and FDIU (2TU) connector AA/9J, 1971VC connector A/57 and FDIU (2TU) connector AA/9K, 1971VC connector A/58 and FDIU (2TU) connector AA/9E,

1971VC connector A/59 and FDIU (2TU) connector AA/9F,

1971VC connector A/54 and FDIU (2TU) connector AB/9A.

- (1) If the fault continues:
 - replace the DFDR (1TU) (Ref. AMM TASK 31-33-55-000-001) and (Ref. AMM TASK 31-33-55-400-002).
- (2) If the fault continues:
 - replace the FDIU (2TU) (Ref. AMM TASK 31-33-34-000-001) and (Ref. AMM TASK 31-33-34-400-001).

**ON A/C 254-275, 451-475,

- A. If the test gives the maintenance message DFDR PLAYBACK:
 - on the 21VU make sure that the RCDR GND CTL switch is on (blue light indicator is on).
 - (1) If the fault continues:
 - do a check and repair if necessary the wiring (Ref. ASM 31-33/01), between:

DFDR (1TU) connector AA/7 and FDIMU (10TV) connector AA/12G,

DFDR (1TU) connector AA/8 and FDIMU (10TV) connector AA/12H,

DFDR (1TU) connector AA/9 and FDIMU (10TV) connector AB/12G,

DFDR (1TU) connector AA/10 and FDIMU (10TV) connector AB/12H,

DFDR (1TU) connector AA/22 and FDIMU (10TV) connector AB/11E,

- (2) If the fault continues:
 - replace the DFDR (1TU) (Ref. AMM TASK 31-33-55-000-001) and (Ref. AMM TASK 31-33-55-400-002).
- (3) If the fault continues:
 - replace the DMU/FDIU (FDIMU) (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).

31-33-00

EFF:

ALL

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**ON A/C ALL

B. Do the test given in paragraph 3.A. again to check the correct operation (no maintenance message display).

EFF: ALL
SROS

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TASK 31-33-00-810-807

No AC Ident

1. Possible Causes

- FDIU (2TU)
- DMU/FDIU (FDIMU) (10TV)
- Pin Program
- Coding Plug 197VC-A
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-33-34-000-001	Removal of the Flight Data Interface Unit (FDIU) (2TU)	
AMM	31-33-34-400-001	Installation of the Flight Data Interface Unit (FDIU) (2TU)	
AMM	31-36-34-000-002	Removal of the FDIU/DMU (FDIMU) (10TV)	
AMM	31-36-34-400-002	Installation of the FDIU/DMU (FDIMU) (10TV)	
ASM	31-34/00		
ASM	31-34/03		

3. Fault Confirmation

- A. Get a printout of the last leg report. Make sure that the correct aircraft identification is shown at the top of the printout.
- 4. Fault Isolation

SROS

- R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - A. If the aircraft identification is not correct or not shown:
 - do a check and adjust the Pin Program from the Coding Plug 197VC-A (Ref. ASM 31-34/03) if necessary.
 - (1) If the fault continues:
 - do a check and repair the wiring between Coding Plug 197VC-A connector and the FDIU (1TU) (Ref. ASM 31-34/00) if necessary.
 - (2) If the fault continues:
 - replace the FDIU (2TU), (Ref. AMM TASK 31-33-34-000-001) (Ref. AMM TASK 31-33-34-400-001).

EFF: ALL

31-33-00

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**ON A/C 254-275, 451-475,

- A. If the aircraft identification is not correct or not shown:
- R do a check and adjust the Pin Program from the Coding Plug 197VC-A
 R (Ref. ASM 31-34/03) if necessary.
 - (1) If the fault continues:
 - do a check and repair the wiring between Coding Plug 197VC-A connector and the FDIMU (10TV) (Ref. ASM 31-34/00) if necessary.
 - (2) If the fault continues:
 - replace the DMU/FDIU (FDIMU) (10TV), (Ref. AMM TASK 31-36-34-000-002) (Ref. AMM TASK 31-36-34-400-002).

**ON A/C ALL

R

R

B. Get a printout of the last leg report again. The correct aircraft identification is shown at the top of the printout (no maintenance message is displayed).

EFF: ALL 31-33-00

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R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 31-33-00-810-823

DMU receives no Data from the FDIU (2TU)

- 1. Possible Causes
 - DMU (1TV)
 - FDIU (2TU)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-33-00-710-006	Operational Test of DFDR System thru the MCDU
AMM 31-36-00-710-001	Test of the DMU (1TV)
AMM 31-36-34-000-001	Removal of the Data Management Unit (DMU) (1TV)
AMM 31-36-34-400-001	Installation of the Data Management Unit (DMU) (1TV)
ASM 31-33/01	

- 3. Fault Confirmation
 - A. Do the test of the DMU (Ref. AMM TASK 31-36-00-710-001)

NOTE: make sure that the circuit breakers 7TU and 4TV are closed.

- 4. Fault Isolation
 - A. If the test gives the maintenace message NO FDIU DATA:
 - do the FDIU (2TU) fault monitoring test via the MCDU (Ref. AMM TASK 31-33-00-710-006)
 - (1) If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - (2) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001)
 - (3) If the fault continues:
 - do a check and repair the wiring between:
 FDIU (2TU) AB/9J and DMU (1TV) AA/5E,
 FDIU (2TU) AB/9K and DMU (1TV) AA5F (Ref. ASM 31-33/01).
 - B. Do the test as given in Para. 3 again to check the correct operation (no maintenace message display).

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

31-33-00

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R **ON A/C ALL

R TASK 31-33-00-810-824

R RCDR/GND CTL Pushbutton - Blue ON Indicator Light does not come on

R 1. Possible Causes

R - RCDR/GND CTL pushbutton (11TU)

R - control relay (13TU)

R - control relay (12TU)

R - diode (1162VD)

R 2. Job Set-up Information

R A. Referenced Information

R		
R	REFERENCE	DESIGNATION
R		

R R	AMM	31-33-00-710-001	Operational Test of the Power Interlocks and Status Monitoring
R	ASM	31-33/01	
R	TSM	33-14-00-810-801	Failure of One Annunciator Light Only
R	TSM	73-25-00-810-811	Failure of the OIL LOW PRESS & GROUND Discrete Output
R			on EIU 1
R	TSM	73-25-00-810-812	Failure of the OIL LOW PRESS & GROUND Discrete Output
R			on EIU 2

- R 3. Fault Confirmation
- R A. Test
- R (1) Do the operational test of the power interlocks and status monitoring R (Ref. AMM TASK 31-33-00-710-001).
- R 4. Fault Isolation
- R A. Procedure (Ref. ASM 31-33/01)
- R (1) If the blue ON indicator light of the RCDR/GND CTL pushbutton does not come on:
- R Do the trouble shouting procedure of the annunciator lights in the cockpit (Ref. TSM TASK 33-14-00-810-801).
- R (2) If the fault continues:
- R (a) Do a check for 28VDC at the RCDR/GND CTL pushbutton (11TU) connector A/A3.

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EFF: ALL

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(b) If there is no 28VDC at the RCDR/GND CTL pushbutton (11TU) R R connector A/A3: - Replace the RCDR/GND CTL pushbutton (11TU). R (3) If the fault continues: R (a) Do a check for 28VDC at the control relay (12TU) connector A/X. (b) If there is no 28VDC, at the control relay (12TU) connector A/X: R - Replace the control relay (13TU). R R (4) If the fault continues: (a) Do a check for GROUND at the control relay (12TU) connector A/Z. R (b) If there is GROUND at the control relay (12TU) connector A/Z: R R - Replace the control relay (12TU). (5) If the fault continues: R (a) Do a check for GROUND at the diode (1162VD) connector A/5. R (b) If there is GROUND at the diode (1162VD) connector A/5: R - Replace the diode (1162VD). R (6) If the fault continues: R - Do the trouble shouting procedure of the oil low press and ground R discrete output on EIU1 and/or EIU 2 (Ref. TSM TASK 73-25-00-810-R 811) and/or (Ref. TSM TASK 73-25-00-810-812). R R

B. Do the test given in paragraph 3.A. again.

31-33-00 EFF: ALL

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TASK 31-33-00-810-825

DFDR Record Version or DFDR Data Rate not correct

- 1. Possible Causes
 - DFDR (1TU)
 - record version
 - DFDR data rate
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
		3-00-810-801 31-33-00-710-001	DFDR (1TU) Inoperative Operational Test of the Power Interlocks and Status	
R R	ASM	31-33-00-710-010 31-33/01 31-34-03	Monitoring Procedure to Use the Aircraft Coding Plug 197VC-A	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the power interlocks and status monitoring (Ref. AMM TASK 31-33-00-710-001).
- 4. Fault Isolation
 - A. Procedure

R

R

- (1) If the test gives the maintenance message DFDR:
 - Do the troubleshooting procedure of the DFDR (1TU) (Ref. TASK 31-33-00-810-801).
- (2) If the fault continues:
 - Do a check of the correct record version on the aircraft coding plug 197VC pin PP, NN, MM (Ref. AWM 31-34-03) and (Ref. AMM TASK 31-33-00-710-010).
- (3) If the fault continues:
 - Do a check of the correct DFDR data rate on the DFDR connector pin AA/17 and AA/18 (Ref. ASM 31-33/01).
- B. Do the test given in paragraph 3.A. again.

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R <u>DIGITAL FLIGHT DATA RECORDING SYSTEM INTERCONNECTION (FDIMU, DFDR, QAR)</u> TASK SUPPORTING DATA

1. General

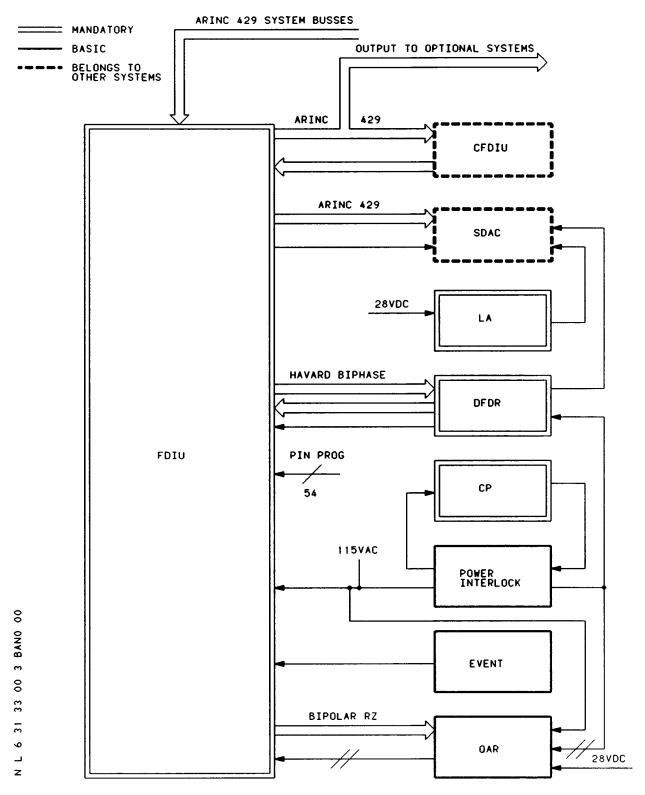
The block diagrams that follow give you a logical view of the system/sub-system to help you do the related trouble shooting procedures.

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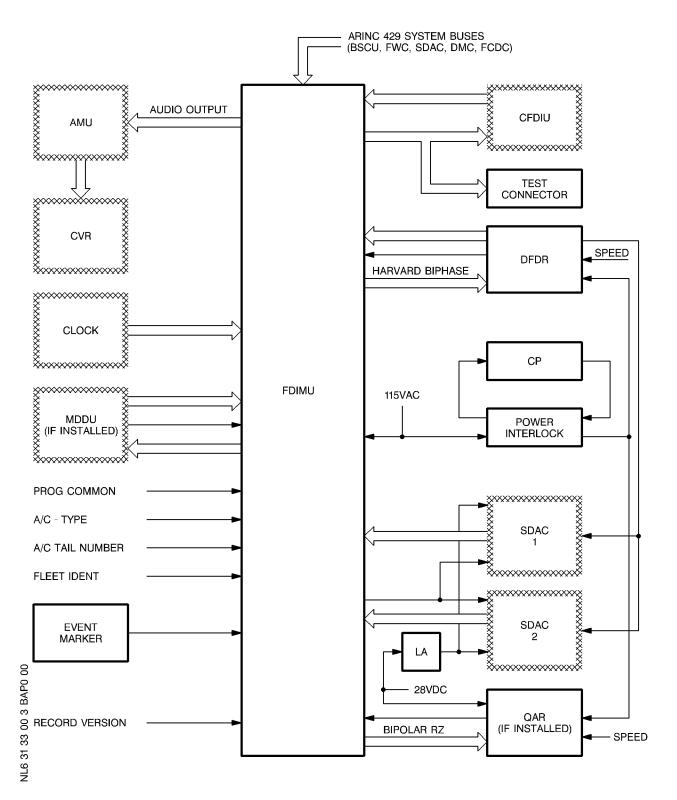
DFDRS System Block Diagram Figure 301

R EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749, SROS

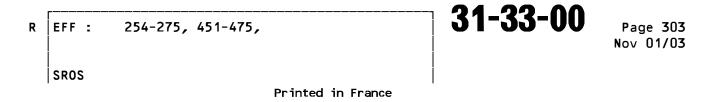
31-33-00

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DFDRS System Block Diagram Figure 301A



TROUBLE SHOOTING MANUAL

MULTIFUNCTION PRINTING (PRINTER) - FAULT ISOLATION PROCEDURES

TASK 31-35-00-810-801

Printing of the DMU (or FDIMU) Data not possible from the MCDU2

- 1. Possible Causes
 - PRINTER (4TW)
 - DMU (1TV)
 - MCDU-2 (3CA2)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION		DESIGNATION
AMM	22-82-12-000-001	Removal of the MCDU (3CA1,3CA2,3CA3)
AMM	22-82-12-400-002	Installation of the MCDU (3CA1,3CA2,3CA3)
AMM	31-35-22-000-001	Removal of the Printer (4TW)
AMM	31-35-22-400-001	Installation of the Printer (4TW)
AMM	31-36-34-000-001	Removal of the Data Management Unit (DMU) (1TV)
AMM	31-36-34-000-002	Removal of the FDIU/DMU (FDIMU) (10TV)
AMM	31-36-34-400-001	Installation of the Data Management Unit (DMU) (1TV)
AMM	31-36-34-400-002	Installation of the FDIU/DMU (FDIMU) (10TV)
ASM	22-86/04	
ASM	31-35/01	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
121VU	PTR/SPLY	6TW	J21
121VU	CFDS/CFDIU/SPLY	2TW	J18
121VU	AUTO FLT/MCDU/2	11CA2	N20

R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

121VU AIDS/DMU 4TV K15

EFF: ALL SROS

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PANEL DESIGNATION

IDENT. LOCATION

**ON A/C 254-275, 451-475,

121VU AIDS & RCDR/FDIMU

5TV K15

R **ON A/C 201-225, 227-227, 229-299, 426-499, 503-549, 551-560, 701-749,

Post SB 31-1163 For A/C 433-450,

121VU CFDS/CFDIU/BACK/UP

8TW J17

**ON A/C ALL

B. On the MCDU2, get the DMU page on the MCDU MENU and then push the line key adjacent to the PRINT indication.

4. Fault Isolation

- A. If it is not possible to print the DMU (or FDIMU) data on the printer (4TW):
 - replace the PRINTER (4TW) (Ref. AMM TASK 31-35-22-000-001) and (Ref. AMM TASK 31-35-22-400-001).
 - (1) If the fault continues (with DMU installed):
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMU (1TV) pins AA/11E, 11F to printer (4TW) pins A/C, D (Ref. ASM 31-35/01).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU2 (3CA2) pins A/27, 28 to DMU (1TV) pins AB/11A, 11B (Ref. ASM 22-86/04).
 - a If there is no continuity:
 - repair the wiring.
 - b If there is continuity:

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GA319/A320/A321

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- replace the MCDU-2 (3CA2) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
- (2) If the fault continues (with FDIMU installed):
 - replace the DMU/FDIU (FDIMU) (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
 - (a) If the fault continues:
 - do a check of the wiring from FDIMU (10TV) pins AA/11E, 11F to printer (4TW) pins A/C, D (Ref. ASM 31-35/01).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU2 (3CA2) pins A/27, 28 to
 FDIMU (10TV) pins AB/11A, 11B (Ref. ASM 22-86/04).
 - a If there is no continuity:
 - repair the wiring.
 - b If there is continuity:
 - replace the MCDU-2 (3CA2) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
- B. Do the action given in Para. 3.B.

31-35-00

EFF:

ALL

TROUBLE SHOOTING MANUAL

TASK 31-35-00-810-802

Printing of the ACARS (or ATSU) Data not possible from the MCDU2

1. Possible Causes

- PRINTER (4TW)
- MU-ACARS (1RB)
- MCDU-2 (3CA2)
- ATSU (1TX1)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM	22-82-12-000-001	Removal of the MCDU (3CA1,3CA2,3CA3)	
AMM	22-82-12-400-002	Installation of the MCDU (3CA1,3CA2,3CA3)	
AMM	23-24-34-000-001	Removal of the ACARS Management Unit (MU) (1RB)	
AMM	23-24-34-400-001	Installation of the ACARS Management Unit (MU) (1RB)	
AMM	31-35-22-000-001	Removal of the Printer (4TW)	
AMM	31-35-22-400-001	Installation of the Printer (4TW)	
AMM	46-21-34-000-001	Removal of the Air Traffic Service Unit (ATSU) (1TX1)	
AMM	46-21-34-400-001	Installation of the Air Traffic Service Unit (ATSU)	
		(1TX1)	
ASM	22-86/04		
ASM	31-35/01		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
12 1VU	PTR/SPLY	6TW	J21
	CFDS/CFDIU/SPLY	2TW	J18
	AUTO FLT/MCDU/2	11CA2	N20

R **ON A/C 201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549, R 551-557, 701-749,

121VU COM NAV/ACARS/MU 2RB L06

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PANEL DESIGNATION IDENT. LOCATION

R **ON A/C 201-225, 227-227, 229-299, 426-499, 503-549, 551-560, 701-749,

Post SB 31-1163 For A/C 433-450,

121VU CFDS/CFDIU/BACK/UP

8TW J17

**ON A/C 247-275, 429-475, 481-499, 503-549, 551-555, 559-599,

Post SB 46-1001 For A/C 503-549, Post SB 46-1005 For A/C 551-555,

121VU ATSU 1 121VU ATSU 1/SWTG 3TX1 L16 5TX1 L15

**ON A/C ALL

B. On the MCDU2, get the ACARS (or ATSU) page on the MCDU MENU and then push the line key adjacent to the PRINT indication.

4. Fault Isolation

- A. If it is not possible to print the ACARS (or ATSU) data on the printer (4TW):
 - replace the PRINTER (4TW) (Ref. AMM TASK 31-35-22-000-001) and (Ref. AMM TASK 31-35-22-400-001).
 - (1) If the fault continues (with MU-ACARS installed):
 - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from ACARS MU (1RB) pins AB/15E, 15F
 to printer (4TW) pins A/T, U (Ref. ASM 31-35/01).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU2 (3CA2) pins A/27, 28 to ACARS MU (1RB) pins AB/14C, 14D (Ref. ASM 22-86/04).
 - a If there is no continuity:

EFF: ALL

31-35-00

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- repair the wiring.
- **b** If there is continuity:
 - replace the MCDU-2 (3CA2) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
- (2) If the fault continues (with ATSU installed):
 - replace the ATSU (1TX1) (Ref. AMM TASK 46-21-34-000-001) and (Ref. AMM TASK 46-21-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from ATSU (1TX1) pins AA/1E, 1F to printer (4TW) pins A/T, U (Ref. ASM 31-35/01).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU2 (3CA2) pins A/27, 28 to ATSU (1TX1) pins AB/7E, 7F (Ref. ASM 22-86/04).
 - a If there is no continuity:
 - repair the wiring.
 - b If there is continuity:
 - replace the MCDU-2 (3CA2) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
- B. Do the action given in Para. 3.B.

31-35-00

EFF:

TROUBLE SHOOTING MANUAL

TASK 31-35-00-810-803

Printing of the EVMU Data not possible from the MCDU2

1. Possible Causes

- PRINTER (4TW)
- EVMU (2EV)
- MCDU-2 (3CA2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM	22-82-12-000-001	Removal of the MCDU (3CA1,3CA2,3CA3)	
AMM	22-82-12-400-002	Installation of the MCDU (3CA1,3CA2,3CA3)	
AMM	31-35-22-000-001	Removal of the Printer (4TW)	
AMM	31-35-22-400-001	Installation of the Printer (4TW)	
AMM	77-32-34-000-040	Removal of the Monitoring Unit Engine Vibration (EVMU) (2EV)	
AMM	77-32-34-400-040	Installation of the Vibration Monitoring Unit (EVMU)	
ASM	22-86/04		
ASM	31-35/01		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
	PTR/SPLY CFDS/CFDIU/SPLY	6TW 2TW	J21 J18
	AUTO FLT/MCDU/2	11CA2	N20
12 1VU	ENGINE/ENG1 AND 2/EVMU	1EV	R44

R **ON A/C 201-225, 227-227, 229-299, 426-499, 503-549, 551-560, 701-749,

Post SB 31-1163 For A/C 433-450,

121VU CFDS/CFDIU/BACK/UP

8TW J17

EFF: ALL SROS 31-35-00

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**ON A/C ALL

- B. Test
 - On the MCDU2:
 - get the EVMU page on the MCDU MENU and then push the line key adjacent to the PRINT indication.

4. Fault Isolation

- A. If it is not possible to print the EVMU data on the printer (4TW): - replace the PRINTER (4TW) (Ref. AMM TASK 31-35-22-000-001) and (Ref. AMM TASK 31-35-22-400-001).
 - (1) If the fault continues:
 - replace the EVMU (2EV) (Ref. AMM TASK 77-32-34-000-040) and (Ref. AMM TASK 77-32-34-400-040).
 - (a) If the fault continues:
 - do a check of the wiring from EVMU (2EV) pins AA/13A, 13C to printer (4TW) pins A/j, X (Ref. ASM 31-35/01).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU2 (3CA2) pins A/27, 28 to CFDIU (1TW) pins AB/3B, 3C (Ref. ASM 22-86/04).
 - a If there is no continuity: - repair the wiring.
 - b If there is continuity:
 - replace the MCDU-2 (3CA2) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
- B. Do the action given in Para. 3.B.

EFF:

ALL

31-35-00

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R R

TROUBLE SHOOTING MANUAL

TASK 31-35-00-810-806

Printing of the ACARS (or ATSU) Data not possible from the MCDU3

- 1. Possible Causes
 - PRINTER (4TW)
 - MU-ACARS (1RB)
 - MCDU-3 (3CA3)
 - ATSU (1TX1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	22-82-12-000-001	Removal of the MCDU (3CA1,3CA2,3CA3)
AMM	22-82-12-400-002	Installation of the MCDU (3CA1,3CA2,3CA3)
AMM	23-24-34-000-001	Removal of the ACARS Management Unit (MU) (1RB)
AMM	23-24-34-400-001	Installation of the ACARS Management Unit (MU) (1RB)
AMM	31-35-22-000-001	Removal of the Printer (4TW)
AMM	31-35-22-400-001	Installation of the Printer (4TW)
AMM	46-21-34-000-001	Removal of the Air Traffic Service Unit (ATSU) (1TX1)
AMM	46-21-34-400-001	Installation of the Air Traffic Service Unit (ATSU)
		(1TX1)
ASM	31-35/01	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
121VU	PTR/SPLY	6TW	J21
12 1VU	CFDS/CFDIU/SPLY	2TW	J18

- R **ON A/C 201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549,
- R 551-557, 701-749,

R **ON A/C 201-225, 227-227, 229-299, 426-499, 503-549, 551-560, 701-749,

Post SB 31-1163 For A/C 433-450,

121VU CFDS/CFDIU/BACK/UP

ALL

121VU COM NAV/ACARS/MU

31-35-00

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J17

L06

2RB

8TW

SROS

EFF:

TROUBLE SHOOTING MANUAL

PANEL DESIGNATION

IDENT. LOCATION

**ON A/C 247-275, 429-475, 481-499, 503-549, 551-555, 559-599,

Post SB 46-1001 For A/C 503-549, Post SB 46-1005 For A/C 551-555,

121VU ATSU 1 121VU ATSU 1/SWTG 3TX1 L16 5TX1 L15

-

**ON A/C ALL

B. On the MCDU3, get the ACARS (or ATSU) page on the MCDU MENU and then push the line key adjacent to the PRINT indication.

4. Fault Isolation

- A. If it is not possible to print the ACARS (or ATSU) data on the printer (4TW):
 - replace the PRINTER (4TW) (Ref. AMM TASK 31-35-22-000-001) and (Ref. AMM TASK 31-35-22-400-001).
 - (1) If the fault continues (with ACARS-MU installed):
 - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from ACARS MU (1RB) pins AB/15E, 15F
 to printer (4TW) pins A/T, U (Ref. ASM 31-35/01).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU3 (3CA3) pins A/27, 28 to ACARS MU (1RB) pins AB/14J, 14K.
 - a If there is no continuity:
 - repair the wiring.
 - b If there is continuity:
 - replace the MCDU-3 (3CA3) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).

EFF: ALL

31-35-00

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- (2) If the fault continues (with ATSU installed):
 - replace the ATSU (1TX1) (Ref. AMM TASK 46-21-34-000-001) and (Ref. AMM TASK 46-21-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from ATSU (1TX1) pins AA/1E, 1F to printer (4TW) pins A/T, U (Ref. ASM 31-35/01).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU3 (3CA3) pins A/27, 28 to ATSU (1TX1) pins AA/7G, 7H.
 - a If there is no continuity:
 - repair the wiring.
 - **b** If there is continuity:
 - replace the MCDU-3 (3CA3) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
- B. Do the action given in Para. 3.B.

EFF: ALL 31-35-00

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TROUBLE SHOOTING MANUAL

TASK 31-35-00-810-808

Printing of the FMGC1 Data not possible from the MCDU1

- 1. Possible Causes
 - PRINTER (4TW)
 - FMGC-1 (1CA1)
 - MCDU-1 (3CA1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
АММ	22-82-12-000-001	Removal of the MCDU (3CA1,3CA2,3CA3)
AMM	22-82-12-400-001	Installation of the MCDU (3CA1,3CA2,3CA3)
AMM	22-83-34-000-001	Removal of the FMGC (1CA1,1CA2)
AMM	22-83-34-400-001	Installation of the FMGC (1CA1,1CA2)
	31-35-22-000-001	Removal of the Printer (4TW)
	31-35-22-400-001	Installation of the Printer (4TW)
ASM	22-86/04	
ASM	31-35/01	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	AUTO FLT/FMGC/1	10CA1	в02
49VU	AUTO FLT/MCDU/1	11CA1	B01
12 1VU	PTR/SPLY	6TW	J21
12 1VU	CFDS/CFDIU/SPLY	2TW	J 18

R **ON A/C 201-225, 227-227, 229-299, 426-499, 503-549, 551-560, 701-749,

Post SB 31-1163 For A/C 433-450,

121VU CFDS/CFDIU/BACK/UP

8TW J17

EFF: ALL

31-35-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

- B. Test
 - On the MCDU1:
 - get the FMS page on the MCDU MENU and then push the line key adjacent to the PRINT indication.

4. Fault Isolation

- A. If it is not possible to print the FMGC1 data on the printer (4TW):
 replace the PRINTER (4TW) (Ref. AMM TASK 31-35-22-000-001) and (Ref. AMM TASK 31-35-22-400-001).
 - (1) If the fault continues:
 - replace the FMGC-1 (1CA1) (Ref. AMM TASK 22-83-34-000-001) and (Ref. AMM TASK 22-83-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from FMGC1 (1CA1) pins AB/12F, 12G to printer (4TW) pins A/V, W (Ref. ASM 31-35/01).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU1 (3CA1) pins A/27, 28 to FMGC1 (1CA1) pins AB/8F, 8G (Ref. ASM 22-86/04).
 - <u>a</u> If there is no continuity:repair the wiring.
- B. Do the action given in Para. 3.B.

EFF: ALL

31-35-00

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TROUBLE SHOOTING MANUAL

TASK 31-35-00-810-809

Printing of the FMGC2 Data not possible from the MCDU1

- 1. Possible Causes
 - PRINTER (4TW)
 - FMGC-2 (1CA2)
 - MCDU-1 (3CA1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	22-82-12-000-001	Removal of the MCDU (3CA1,3CA2,3CA3)
AMM	22-82-12-400-002	Installation of the MCDU (3CA1,3CA2,3CA3)
AMM	22-83-34-000-001	Removal of the FMGC (1CA1,1CA2)
AMM	22-83-34-400-001	Installation of the FMGC (1CA1,1CA2)
AMM	31-35-22-000-001	Removal of the Printer (4TW)
	31-35-22-400-001	Installation of the Printer (4TW)
ASM	22-86/04	
ASM	31-35/01	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	AUTO FLT/MCDU/1	11CA1	B01
121VU	PTR/SPLY	6TW	J21
121VU	CFDS/CFDIU/SPLY	2TW	J 18
121VU	AUTO FLT/FMGC/2	10CA2	M17

R **ON A/C 201-225, 227-227, 229-299, 426-499, 503-549, 551-560, 701-749,

Post SB 31-1163 For A/C 433-450,

121VU CFDS/CFDIU/BACK/UP

8TW J17

EFF: ALL
SROS

31-35-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

- B. Test
 - On the MCDU1:
 - get the FMS page on the MCDU MENU and then push the line key adjacent to the PRINT indication.

4. Fault Isolation

- A. If it is not possible to print the FMGC2 data on the printer (4TW):
 replace the PRINTER (4TW) (Ref. AMM TASK 31-35-22-000-001) and (Ref. AMM TASK 31-35-22-400-001).
 - (1) If the fault continues:
 - replace the FMGC-2 (1CA2) (Ref. AMM TASK 22-83-34-000-001) and (Ref. AMM TASK 22-83-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from FMGC2 (1CA2) pins AB/12F, 12G to printer (4TW) pins A/A, B (Ref. ASM 31-35/01).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU1 (3CA1) pins A/27, 28 to FMGC2 (1CA2) pins AA/9F, 9G (Ref. ASM 22-86/04).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the MCDU-1 (3CA1) (Ref. AMM TASK 22-82-12-000001) and (Ref. AMM TASK 22-82-12-400-002).
- B. Do the action given in Para. 3.B.

EFF: ALL

31-35-00

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TROUBLE SHOOTING MANUAL

TASK 31-35-00-810-810

Printing of the CFDIU Data not possible from the MCDU1

- 1. Possible Causes
 - PRINTER (4TW)
 - CFDIU (1TW)
 - MCDU-1 (3CA1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM ASM	22-82-12-000-001 22-82-12-400-002 31-32-34-000-001 31-32-34-400-001 31-35-22-000-001 31-35-22-400-001 22-86/04	Removal of the MCDU (3CA1,3CA2,3CA3) Installation of the MCDU (3CA1,3CA2,3CA3) Removal of the CFDIU (1TW) Installation of the CFDIU (1TW) Removal of the Printer (4TW) Installation of the Printer (4TW)
AMM AMM ASM	31-35-22-000-001 31-35-22-400-001	Removal of the Printer (4TW)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	AUTO FLT/MCDU/1	11CA1	B01
121VU	PTR/SPLY	6TW	J21
121VU	CFDS/CFDIU/SPLY	2TW	J 18

R **ON A/C 201-225, 227-227, 229-299, 426-499, 503-549, 551-560, 701-749,

Post SB 31-1163 For A/C 433-450,

121VU CFDS/CFDIU/BACK/UP

8TW J17

**ON A/C ALL

B. Test

On the MCDU1:

- get the CFDS page on the MCDU MENU and then push the line key adjacent to the PRINT indication.

EFF: ALL

31-35-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If it is not possible to print the CFDIU data on the printer (4TW):
 replace the PRINTER (4TW) (Ref. AMM TASK 31-35-22-000-001) and (Ref. AMM TASK 31-35-22-400-001).
 - (1) If the fault continues:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from CFDIU (1TW) pins AA/2B, 2C to printer (4TW) pins A/h, i (Ref. ASM 31-35/01).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU1 (3CA1) pins A/27, 28 to CFDIU (1TW) pins AA/3H, 3J (Ref. ASM 22-86/04).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - replace the MCDU-1 (3CA1) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
- B. Do the action given in Para. 3.B.

EFF: ALL 31-35-00

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TROUBLE SHOOTING MANUAL

TASK 31-35-00-810-811

Printing of the DMU (or FDIMU) Data not possible from the MCDU1

- 1. Possible Causes
 - PRINTER (4TW)
 - DMU (1TV)
 - MCDU-1 (3CA1)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 22-82-12-000-001	Removal of the MCDU (3CA1,3CA2,3CA3)
AMM 22-82-12-400-002	Installation of the MCDU (3CA1,3CA2,3CA3)
AMM 31-35-22-000-001	Removal of the Printer (4TW)
AMM 31-35-22-400-001	Installation of the Printer (4TW)
AMM 31-36-34-000-001	Removal of the Data Management Unit (DMU) (1TV)
AMM 31-36-34-000-002	Removal of the FDIU/DMU (FDIMU) (10TV)
AMM 31-36-34-400-001	Installation of the Data Management Unit (DMU) (1TV)
AMM 31-36-34-400-002	Installation of the FDIU/DMU (FDIMU) (10TV)
ASM 22-86/04	
ASM 31-35/01	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	AUTO FLT/MCDU/1	11CA1	B01
12 1VU	PTR/SPLY	6TW	J21
12 1VU	CFDS/CFDIU/SPLY	2TW	J18

R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549,

R 551-599, 701-749,

121VU AIDS/DMU 4TV K15

**ON A/C 254-275, 451-475,

121VU AIDS & RCDR/FDIMU 5TV K15

EFF: ALL

31-35-00

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PANEL DESIGNATION IDENT. LOCATION

R **ON A/C 201-225, 227-227, 229-299, 426-499, 503-549, 551-560, 701-749,

Post SB 31-1163 For A/C 433-450,

121VU CFDS/CFDIU/BACK/UP

8TW J17

**ON A/C ALL

B. On the MCDU1, get the DMU page on the MCDU MENU and then push the line key adjacent to the PRINT indication.

4. Fault Isolation

- A. If it is not possible to print the DMU (or FDIMU) data on the printer (4TW):
 - replace the PRINTER (4TW) (Ref. AMM TASK 31-35-22-000-001) and (Ref. AMM TASK 31-35-22-400-001).
 - (1) If the fault continues (with DMU installed):
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMU (1TV) pins AA/11E, 11F to printer (4TW) pins A/C, D (Ref. ASM 31-35/01).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU1 (3CA1) pins A/27, 28 to DMU (1TV) pins AA/11A, 11B (Ref. ASM 22-86/04).
 - a If there is no continuity:
 - repair the wiring.
 - b If there is continuity:
 - replace the MCDU-1 (3CA1) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).

EFF: ALL

31-35-00

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- (2) If the fault continues (with FDIMU installed):
 - replace the DMU/FDIU (FDIMU) (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
 - (a) If the fault continues:
 - do a check of the wiring from FDIMU (10TV) pins AA/11E, 11F to printer (4TW) pins A/C, D (Ref. ASM 31-35/01).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU1 (3CA1) pins A/27, 28 to
 FDIMU (10TV) pins AA/11A, 11B (Ref. ASM 22-86/04).
 - a If there is no continuity:
 - repair the wiring.
 - b If there is continuity:
 - replace the MCDU-1 (3CA1) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
- B. Do the action given in Para. 3.B.

EFF: ALL 31-35-00

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TROUBLE SHOOTING MANUAL

TASK 31-35-00-810-812

Printing of the ACARS (or ATSU) Data not possible from the MCDU1

- 1. Possible Causes
 - PRINTER (4TW)
 - MU-ACARS (1RB)
 - MCDU-1 (3CA1)
 - ATSU (1TX1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	22-82-12-000-001	Removal of the MCDU (3CA1,3CA2,3CA3)	
AMM	22-82-12-400-002	Installation of the MCDU (3CA1,3CA2,3CA3)	
AMM	23-24-34-000-001	Removal of the ACARS Management Unit (MU) (1RB)	
AMM	23-24-34-400-001	Installation of the ACARS Management Unit (MU) (1RB)	
AMM	31-35-22-000-001	Removal of the Printer (4TW)	
AMM	31-35-22-400-001	Installation of the Printer (4TW)	
AMM	46-21-34-000-001	Removal of the Air Traffic Service Unit (ATSU) (1TX1)	
AMM	46-21-34-400-001	Installation of the Air Traffic Service Unit (ATSU)	
		(1TX1)	
ASM	22-86/04		
ASM	31-35/01		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	AUTO FLT/MCDU/1	11CA1	B01
121VU	PTR/SPLY	6TW	J21
121VU	CFDS/CFDIU/SPLY	2TW	J 18

R **ON A/C 201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549, R 551-557, 701-749,

,

121VU COM NAV/ACARS/MU 2RB LO6

EFF: ALL
SROS

31-35-00

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PANEL DESIGNATION IDENT. LOCATION

R **ON A/C 201-225, 227-227, 229-299, 426-499, 503-549, 551-560, 701-749,

Post SB 31-1163 For A/C 433-450,

121VU CFDS/CFDIU/BACK/UP

8TW J17

**ON A/C 247-275, 429-475, 481-499, 503-549, 551-555, 559-599,

Post SB 46-1001 For A/C 503-549, Post SB 46-1005 For A/C 551-555,

121VU ATSU 1 121VU ATSU 1/SWTG 3TX1 L16 5TX1 L15

**ON A/C ALL

B. On the MCDU1, get the ACARS (or ATSU) page on the MCDU MENU and then push the line key adjacent to the PRINT indication.

4. Fault Isolation

- A. If it is not possible to print the ACARS (or ATSU) data on the printer (4TW):
 - replace the PRINTER (4TW) (Ref. AMM TASK 31-35-22-000-001) and (Ref. AMM TASK 31-35-22-400-001).
 - (1) If the fault continues (with ACARS-MU installed)
 - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from ACARS MU (1RB) pins AB/15E, 15F
 to printer (4TW) pins A/T, U (Ref. ASM 31-35/01).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU1 (3CA1) pins A/27, 28 to ACARS MU (1RB) pins AB/14A, 14B (Ref. ASM 22-86/04).
 - a If there is no continuity:

EFF: ALL

31-35-00

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- repair the wiring.
- b If there is continuity:
 - replace the MCDU-1 (3CA1) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
- (2) If the fault continues (with ATSU installed)
 - replace the ATSU (1TX1) (Ref. AMM TASK 46-21-34-000-001) and (Ref. AMM TASK 46-21-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from ATSU (1TX1) pins AA/1E, 1F to printer (4TW) pins A/T, U (Ref. ASM 31-35/01).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU1 (3CA1) pins A/27, 28 to ATSU (1TX1) pins AA/7E, 7F (Ref. ASM 22-86/04).
 - a If there is no continuity:
 - repair the wiring.
 - b If there is continuity:
 - replace the MCDU-1 (3CA1) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
- B. Do the action given in Para. 3.B.

31-35-00

EFF:

TROUBLE SHOOTING MANUAL

TASK 31-35-00-810-813

Printing of the EVMU Data not possible from the MCDU1

- 1. Possible Causes
 - PRINTER (4TW)
 - EVMU (2EV)
 - MCDU-1 (3CA1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	22-82-12-000-001	Removal of the MCDU (3CA1,3CA2,3CA3)
AMM	22-82-12-400-002	Installation of the MCDU (3CA1,3CA2,3CA3)
AMM	31-35-22-000-001	Removal of the Printer (4TW)
AMM	31-35-22-400-001	Installation of the Printer (4TW)
AMM	77-32-34-000-040	Removal of the Monitoring Unit Engine Vibration (EVMU) (2EV)
AMM	77-32-34-400-040	Installation of the Vibration Monitoring Unit (EVMU)
ASM	22-86/04	
ASM	31-35/01	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION	IDENT.	LOCATION
49VU AUTO FLT/MCDU/1	11CA1	B01
121VU PTR/SPLY	6TW	J21
121VU CFDS/CFDIU/SPLY	2TW	J 18
121VU ENGINE/ENG1 AND 2/EVMU	1EV	R44

R **ON A/C 201-225, 227-227, 229-299, 426-499, 503-549, 551-560, 701-749,

Post SB 31-1163 For A/C 433-450,

121VU CFDS/CFDIU/BACK/UP

8TW J17

EFF: ALL
SROS

31-35-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

B. Test

On the MCDU1:

 get the EVMU page on the MCDU MENU and then push the line key adjacent to the PRINT indication.

4. Fault Isolation

- A. If it is not possible to print the EVMU data on the printer (4TW):
 replace the PRINTER (4TW) (Ref. AMM TASK 31-35-22-000-001) and (Ref. AMM TASK 31-35-22-400-001).
 - (1) If the fault continues:
 - replace the EVMU (2EV) (Ref. AMM TASK 77-32-34-000-040) and (Ref. AMM TASK 77-32-34-400-040).
 - (a) If the fault continues:
 - do a check of the wiring from EVMU (1EV) pins AA/13A, 13C to printer (4TW) pins A/j, X (Ref. ASM 31-35/01).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU1 (3CA1) pins A/27, 28 to CFDIU (1TW) pins AB/3H, 3J (Ref. ASM 22-86/04).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - replace the MCDU-1 (3CA1) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
- B. Do the action given in Para. 3.B.

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TASK 31-35-00-810-814

Printing of the FMGC1 Data not possible from the MCDU2

- 1. Possible Causes
 - PRINTER (4TW)
 - FMGC-1 (1CA1)
 - MCDU-2 (3CA2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	22-82-12-000-001	Removal of the MCDU (3CA1,3CA2,3CA3)
AMM	22-82-12-400-002	Installation of the MCDU (3CA1,3CA2,3CA3)
AMM	22-83-34-000-001	Removal of the FMGC (1CA1,1CA2)
AMM	22-83-34-400-001	Installation of the FMGC (1CA1,1CA2)
AMM	31-35-22-000-001	Removal of the Printer (4TW)
AMM	31-35-22-400-001	Installation of the Printer (4TW)
ASM	22-86/04	
ASM	31-35/01	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	AUTO FLT/FMGC/1	10CA1	B02
121VU	PTR/SPLY	6TW	J21
121VU	CFDS/CFDIU/SPLY	2TW	J 18
121VU	AUTO FLT/MCDU/2	11CA2	N20

R **ON A/C 201-225, 227-227, 229-299, 426-499, 503-549, 551-560, 701-749,

Post SB 31-1163 For A/C 433-450,

121VU CFDS/CFDIU/BACK/UP

8TW J17

EFF: ALL
SROS

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**ON A/C ALL

- B. Test
 - On the MCDU2:
 - get the FMS page on the MCDU MENU and then push the line key adjacent to the PRINT indication.

4. Fault Isolation

- A. If it is not possible to print the FMGC1 data on the printer (4TW):
 replace the PRINTER (4TW) (Ref. AMM TASK 31-35-22-000-001) and (Ref. AMM TASK 31-35-22-400-001).
 - (1) If the fault continues:
 - replace the FMGC-1 (1CA1) (Ref. AMM TASK 22-83-34-000-001) and (Ref. AMM TASK 22-83-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from FMGC1 (1CA1) pins AB/12F, 12G to printer (4TW) pins A/V, W (Ref. ASM 31-35/01).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU2 (3CA2) pins A/27, 28 to FMCG1 (1CA1) pins AA/9F, 9G (Ref. ASM 22-86/04).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the MCDU-2 (3CA2) (Ref. AMM TASK 22-82-12-000001) and (Ref. AMM TASK 22-82-12-400-002).
- B. Do the action given in Para. 3.B.

EFF: ALL

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TASK 31-35-00-810-815

Printing of the FMGC2 Data not possible from the MCDU2

- 1. Possible Causes
 - PRINTER (4TW)
 - FMGC-2 (1CA2)
 - MCDU-2 (3CA2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	22-82-12-000-001	Removal of the MCDU (3CA1,3CA2,3CA3)	
AMM	22-82-12-400-002	Installation of the MCDU (3CA1,3CA2,3CA3)	
AMM	22-83-34-000-001	Removal of the FMGC (1CA1,1CA2)	
AMM	22-83-34-400-001	Installation of the FMGC (1CA1,1CA2)	
AMM	31-35-22-000-001	Removal of the Printer (4TW)	
AMM	31-35-22-400-001	Installation of the Printer (4TW)	
ASM	22-86/04		
ASM	31-35/01		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
	PTR/SPLY	6TW	J21
	CFDS/CFDIU/SPLY	2TW	J18
	AUTO FLT/FMGC/2	10CA2	M17
	AUTO FLT/MCDU/2	11CA2	N20

R **ON A/C 201-225, 227-227, 229-299, 426-499, 503-549, 551-560, 701-749,

Post SB 31-1163 For A/C 433-450,

121VU CFDS/CFDIU/BACK/UP

8TW J17

EFF: ALL

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**ON A/C ALL

- B. Test
 - On the MCDU2:
 - get the FMS page on the MCDU MENU and then push the line key adjacent to the PRINT indication.

4. Fault Isolation

- A. If it is not possible to print the FMGC2 data on the printer (4TW):
 replace the PRINTER (4TW) (Ref. AMM TASK 31-35-22-000-001) and (Ref. AMM TASK 31-35-22-400-001).
 - (1) If the fault continues:
 - replace the FMGC-2 (1CA2) (Ref. AMM TASK 22-83-34-000-001) and (Ref. AMM TASK 22-83-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from FMGC2 (1CA2) pins AB/12F, 12G to printer (4TW) pins A/A, B (Ref. ASM 31-35/01).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU2 (3CA2) pins A/27, 28 to FMGC2 (1CA2) pins AB/8F, 8G (Ref. ASM 22-86/04).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - replace the MCDU-2 (3CA2) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
- B. Do the action given in Para. 3.B.

EFF: ALL

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TASK 31-35-00-810-816

Printing of the CFDIU Data not possible from the MCDU2

- 1. Possible Causes
 - PRINTER (4TW)
 - CFDIU (1TW)
 - MCDU-2 (3CA2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	22-82-12-000-001	Removal of the MCDU (3CA1,3CA2,3CA3)
AMM	22-82-12-400-002	Installation of the MCDU (3CA1,3CA2,3CA3)
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
AMM	31-35-22-000-001	Removal of the Printer (4TW)
AMM	31-35-22-400-001	Installation of the Printer (4TW)
ASM	22-86/04	
ASM	31-35/01	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
121VU	PTR/SPLY	6TW	J21
12 1VU	CFDS/CFDIU/SPLY	2TW	J 18
12 1VU	AUTO FLT/MCDU/2	11CA2	N20

R **ON A/C 201-225, 227-227, 229-299, 426-499, 503-549, 551-560, 701-749,

Post SB 31-1163 For A/C 433-450,

121VU CFDS/CFDIU/BACK/UP

8TW J17

EFF: ALL SROS 31-35-00

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**ON A/C ALL

- B. Test
 - On the MCDU2:
 - get the CFDS page on the MCDU MENU and then push the line key adjacent to the PRINT indication.

4. Fault Isolation

- A. If it is not possible to print the CFDIU data on the printer (4TW):
 replace the PRINTER (4TW) (Ref. AMM TASK 31-35-22-000-001) and (Ref. AMM TASK 31-35-22-400-001).
 - (1) If the fault continues:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from CFDIU (1TW) pins AA/2B, 2C to printer (4TW) pins A/h, i (Ref. ASM 31-35/01).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from MCDU2 (3CA2) pins A/27, 28 to CFDIU (1TW) pins AB/3B, 2C (Ref. ASM 22-86/04).
 - <u>a</u> If there is no continuity:repair the wiring.
 - <u>b</u> If there is continuity:
 - replace the MCDU-2 (3CA2) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
- B. Do the action given in Para. 3.B.

EFF: ALL

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TASK 31-35-00-810-817

Failure of the Printer

- 1. Possible Causes
 - PRINTER (4TW)
 - wiring
 - C/B-PRINTER/SPLY
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-35-22-000-001 Removal of the Printer (4TW)
AMM 31-35-22-400-001 Installation of the Printer (4TW)
ASM 31-35/01

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

B. Test Not applicable, the fault is evident.

- 4. Fault Isolation
 - A. Do a check of the status of the circuit breaker (6TW).
 - (1) If the circuit breaker (6TW) is closed:
 - replace the PRINTER (4TW) (Ref. AMM TASK 31-35-22-000-001) and (Ref. AMM TASK 31-35-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from printer (4TW) pin A/R to the circuit breaker (6TW) (Ref. ASM 31-35/01).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 replace the C/B-PRINTER/SPLY.

EFF: ALL 31-35-00

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- a If the fault continues:
 - do a check and repair the wiring from printer (4TW) pin
 A/N to the first terminal block.
- (2) If the circuit breaker (6TW) is open:
 close the circuit breaker (6TW).
 - (a) If the circuit breaker trips:
 - replace the PRINTER (4TW) (Ref. AMM TASK 31-35-22-000-001) and (Ref. AMM TASK 31-35-22-400-001).
 - 1 If the fault continues:
 - do a check and repair the wiring from the circuit breaker
 (6TW) to the printer (4TW).
 - (b) If the circuit breaker stays closed and if the fault continues:
 - replace the PRINTER (4TW) (Ref. AMM TASK 31-35-22-000-001) and (Ref. AMM TASK 31-35-22-400-001).
- B. After the subsequent flight, make sure that the fault does not continue.

EFF: ALL 31-35-00

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AIDS INTERCONNECTION ((FDIMU, DAR)) - FAULT ISOLATION PROCEDURES

R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749, TASK 31-36-00-810-801 DMU (1TV) Inoperative 1. Possible Causes - DMU (1TV) - wiring 2. Job Set-up Information A. Referenced Information REFERENCE **DESIGNATION** 31-36-00-710-001 Test of the DMU (1TV) AMM AMM 31-36-34-000-001 Removal of the Data Management Unit (DMU) (1TV) AMM 31-36-34-400-001 Installation of the Data Management Unit (DMU) (1TV) ASM 31-34/03 ASM 31-36/01 3. Fault Confirmation R **ON A/C 201-201, 203-225, 227-227, 229-253, 276-299, 426-428, 430-450, R 476-499, 701-749, A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001). (1) If the result power up test page gives the following messages, replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001): - EPROM I/O FAILURE (CPU1). I . . . 2 - EPROM FAILURE (CPU2). I - FLASH PROM FAIL (CPU2). I 2

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- CPU1/CPU2 SYNC. FAILURE	. I		2
- POWER SUPPLY ALARM	. I		2
- INVALID OP. SOFTWARE	. I		3
- INVALID DATABASE	. I	-	3

**ON A/C 202-202, 429-429, 503-549, 551-599,

- A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).
 - If the Result Power Up Test Page gives the following messages, replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001):

-	EPROM I/O FAILURE (CPU1) I			.2
-	SRAM FAILURE (CPU1)			.2
-	FLASH PROM FAIL (CPU1) I			.2
_	ACQUI. BUS INTERFACE I			.2
_	DIAL. BUS INTERFACE			.2
	EEPROM FAILURE (CPU1)			
	INVALID OP SOFT			
	CPU1/CPU2 SYNCHRO I			
	EPROM FAILURE (CPU2)			
	SRAM FAILURE (CPU2)I			
	FLASH PROM FAIL (CPU2)			
	SAR MEMORY FAILURE			
	DAR EMISSION FAILUR			
	EEPROM FAILURE (CPU3)			
-	SRAM FAILURE (CPU3)		-	. 2
_	FLASH PROM FAIL (CPU3) I			. 2
_	CPU1/CPU2 SYNC. FAILURE			.2
_	CPU1/CPU3 SYNC. FAILURE			.2
	POWER SUPPLY ALARM I			
	INVALID OP. SOFTWARE I			
-	INVALID DATABASE I	-	•	. 3

R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

4. Fault Isolation

- A. If the DMU (1TV) test gives the maintenance message DMU only:
 - make sure that the CB 4TV is closed,
 - do a check for 115 VAC at the DMU (1TV) connectors AC/1 and AC/7 (Ref. ASM 31-36/01).
 - (1) If there is 115 VAC:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).

201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749, **SROS**

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- (2) If the fault continues:
 - do a check of the correct FDIU engine pin programming (Ref. ASM 31-34/03).
- (3) If the fault continues:
 - do a check and repair the wiring as necessary (Ref. ASM 31-36/01), between:

DMU (1TV) Ground pin AA/15J and ground,

DMU (1TV) Ground pin AA/15K and ground,

DMU (1TV) Ground pin AB/15J and ground,

DMU (1TV) Ground pin AB/15K and ground.

B. Do the test given in paragraph 3.A. again to check the correct operation (no maintenance message display).

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R **ON A/C 201-225, 227-227, 229-245, 252-253, 276-299, 426-499, 701-749,

TASK 31-36-00-810-802

DAR (2TV) Inoperative

- 1. Possible Causes
 - DAR (2TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-36-00-740-003 AMM 31-36-52-000-001 AMM 31-36-52-400-001 ASM 31-36/01	Test of the DAR (2TV) Removal of the Digital AIDS Recorder (DAR) (2TV) Installation of the Digital AIDS Recorder (DAR) (2TV)

3. Fault Confirmation

R **ON A/C 201-225, 227-227, 229-245, 252-253, 276-299, 426-450, 476-499, R 701-749,

- A. Test of the DAR
 - (1) Reset the DAR
 - (a) Open the circuit breakers 4TV and 9TU.
 - (b) Wait for 1 minute.
 - (c) Close the circuit breakers 4TV and 9TU.
 - (2) Do the DAR (2TV) test (Ref. AMM TASK 31-36-00-740-003).

**ON A/C 451-475,

- A. Test of the DAR
 - (1) Reset the DAR
 - (a) Open the circuit breakers 5TV and 9TU.
 - (b) Wait for 1 minute.

EFF: 201-225, 227-227, 229-245, 252-253, 276-299, 426-499, 701-749,

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- (c) Close the circuit breakers 5TV and 9TU.
- (2) Do the DAR (2TV) test (Ref. AMM TASK 31-36-00-740-003).
- R **ON A/C 201-225, 227-227, 229-245, 252-253, 276-299, 426-499, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-245, 276-299, 426-450, 476-478,
 - A. If the DAR (2TV) do not run:
 - make sure that the CBs 4TV and 9TU are closed,
 - do a check for 28 VDC at the DAR (2TV) connectors AA/6D and AA/5K (Ref. ASM 31-36/01),
 - do a check for 115 VAC at the DAR (2TV) connectors AC/1 and AC/4 (Ref. ASM 31-36/01).
 - (1) If there is no 28 VDC:
 - do a check of the wiring (Ref. ASM 31-36/01), between:

CB 9TU and DAR (2TV) connector AA/6D

and replace the wiring if necessary.

- (2) If there is no 115 VAC:
 - do a check of the wiring (Ref. ASM 31-36/01), between:

CB 4TV and DAR (2TV) connector AC/1

and repair the wiring if necessary.

- (3) If there is 28 VDC and 115 VAC:
 - replace the DAR (2TV) (Ref. AMM TASK 31-36-52-000-001) and (Ref. AMM TASK 31-36-52-400-001).
- (4) If the fault continues:
 - do a check and repair the wiring as necessary (Ref. ASM 31-36/01), between:
 - DAR (2TV) connector AA/5D and DMU (1TV) connector AA/13E,
 - DAR (2TV) connector AA/1A and DMU (1TV) connector AA/13A,
 - DAR (2TV) connector AA/2A and DMU (1TV) connector AA/13B,
 - DAR (2TV) connector AA/9A and DMU (1TV) connector AA/13J,
 - DAR (2TV) connector AA/10A and DMU (1TV) connector AA/13K,
 - DAR (2TV) connector AA/5G and DMU (1TV) connector AB/13E,
 - DAR (2TV) connector AA/12K and DMU (1TV) connector AB/13A,
 - DAR (2TV) connector AA/13K and DMU (1TV) connector AB/13B,
 - DAR (2TV) connector AA/12D and DMU (1TV) connector AB/13K,
 - DAR (2TV) connector AA/12A and DMU (1TV) connector AB/13F,

EFF: 201-225, 227-227, 229-245, 252-253, 276-299, 426-499, 701-749,

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- Wiring bridge DAR connector AA/12A and AA/14A.

**ON A/C 252-253, 479-499, 701-749,

- A. If the DAR (2TV) do not run:
 - make sure that the CBs 4TV and 9TU are closed,
 - do a check for 28 VDC at the DAR (2TV) connectors AA/6D and AA/5K (Ref. ASM 31-36/01),
 - do a check for 115 VAC at the DAR (2TV) connectors AC/1 and AC/4 (Ref. ASM 31-36/01).
 - (1) If there is no 28 VDC:
 - do a check of the wiring (Ref. ASM 31-36/01), between:

CB 9TU and DAR (2TV) connector AA/6D

and replace the wiring if necessary.

- (2) If there is no 115 VAC:
 - do a check of the wiring (Ref. ASM 31-36/01), between:

CB 4TV and DAR (2TV) connector AC/1

and repair the wiring if necessary.

- (3) If there is 28 VDC and 115 VAC:
 - replace the DAR (2TV) (Ref. AMM TASK 31-36-52-000-001) and (Ref. AMM TASK 31-36-52-400-001).
- (4) If the fault continues:
 - do a check and repair the wiring as necessary (Ref. ASM 31-36/01), between:
 - DAR (2TV) connector AA/5D and DMU (1TV) connector AA/13E,
 - DAR (2TV) connector AA/1A and DMU (1TV) connector AA/13A,
 - DAR (2TV) connector AA/2A and DMU (1TV) connector AA/13B,
 - DAR (2TV) connector AA/9A and DMU (1TV) connector AA/13J,
 - DAR (2TV) connector AA/10A and DMU (1TV) connector AA/13K,
 - DAR (2TV) connector AA/5G and DMU (1TV) connector AB/13E,
 - DAR (2TV) connector AA/1E and DMU (1TV) connector AB/13A,
 - DAR (2TV) connector AA/12G and DMU (1TV) connector AB/13B,
 - DAR (2TV) connector AA/12D and DMU (1TV) connector AB/13K,
 - DAR (2TV) connector AA/12A and DMU (1TV) connector AB/13F,
 - Wiring bridge DAR connector AA/12A and AA/14A.

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**ON A/C 451-475,

- A. If the DAR (2TV) do not run:
 - make sure that the CBs 5TV and 9TU are closed,
 - do a check for 28 VDC at the DAR (2TV) connectors AA/6D and AA/5K (Ref. ASM 31-36/01),
 - do a check for 115 VAC at the DAR (2TV) connectors AC/1 and AC/4 (Ref. ASM 31-36/01).
 - (1) If there is no 28 VDC:
 - do a check and repair the wiring as necessary, between CB 9TU/2 and DAR connector AA/6D (Ref. ASM 31-36/01).
 - (2) If there is no 115 VAC:
 - do a check and repair the wiring as necessary, between CB 5TV/2 and DAR connector AC/1 (Ref. ASM 31-36/01).
 - (3) If there is 28 VDC and 115 VAC:
 - replace the DAR (2TV) (Ref. AMM TASK 31-36-52-000-001) and (Ref. AMM TASK 31-36-52-400-001).
 - (4) If the fault continues:
 - do a check and repair the wiring as necessary (Ref. ASM 31-36/01), between:
 - DAR (2TV) connector AA/5D and FDIMU (10TV) connector AA/13E,
 - DAR (2TV) connector AA/1A and FDIMU (10TV) connector AA/13A,
 - DAR (2TV) connector AA/2A and FDIMU (10TV) connector AA/13B,
 - DAR (2TV) connector AA/9A and FDIMU (10TV) connector AA/13J,
 - DAR (2TV) connector AA/10A and FDIMU (10TV) connector AA/13K,
 - DAR (2TV) connector AA/5G and FDIMU (10TV) connector AB/13E,
 - DAR (2TV) connector AA/1E and FDIMU (10TV) connector AB/13A,
 - DAR (2TV) connector AA/12G and FDIMU (10TV) connector AB/13B,
 - DAR (2TV) connector AA/12D and FDIMU (10TV) connector AB/13K,
 - DAR (2TV) connector AA/12A and FDIMU (10TV) connector AB/13F,
 - DAR (2TV) connector AA/12A and DAR (2TV) connector AA/14A.
- R **ON A/C 201-225, 227-227, 229-245, 252-253, 276-299, 426-499, 701-749,
 - B. Do the test given in paragraph 3.A. again to check the correct operation (no maintenance message display).

EFF: 201-225, 227-227, 229-245, 252-253, 276-299, 426-499, 701-749,

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R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-499, 503-549, 551-599, R 701-749,

TASK 31-36-00-810-803

DAR (2TV) Tape Low/Media Low

- 1. Possible Causes
 - DAR (2TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-36-00-740-003	Test of the DAR (2TV)
AMM 31-36-52-000-001	Removal of the Digital AIDS Recorder (DAR) (2TV)
AMM 31-36-52-400-001	Installation of the Digital AIDS Recorder (DAR) (2TV)
ASM 31-36/01	

- 3. Fault Confirmation
 - A. Do the DAR (2TV) test (Ref. AMM TASK 31-36-00-740-003).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-251, 276-286, 426-429, 476-480, 503-549, R 551-599, 701-749,
 - A. If the DAR (2TV) test gives the maintenance message MEDIA LOW:
 - do a check of the wiring (Ref. ASM 31-36/01), between:
 DAR (2TV) connector AA/5G and DMU (1TV) connector AB/13E
 and repair the wiring if necessary.
 - (1) If the fault continues:
 - replace the DAR (2TV) (Ref. AMM TASK 31-36-52-000-001) and (Ref. AMM TASK 31-36-52-400-001).

EFF: 201-225, 227-227, 229-253, 276-299, 426-499, 503-549, 551-599, 701-749,

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**ON A/C 252-253, 287-299, 430-450, 481-499,

A. If the DAR (2TV) test gives the maintenance message DAR TAPE LOW:

NOTE: 'DAR TAPE LOW' means the optical disk medium.

- do a check of the wiring (Ref. ASM 31-36/01), between:

DAR (2TV) connector AA/5G and DMU (1TV) connector AB/13E and repair the wiring if necessary.

- (1) If the fault continues:
 - replace the DAR (2TV) (Ref. AMM TASK 31-36-52-000-001) and (Ref. AMM TASK 31-36-52-400-001).

**ON A/C 451-475,

- A. If the DAR (2TV) test gives the maintenance message DAR TAPE LOW or DAR MEDIA LOW:
 - make sure that a non-writeprotected disk with enough unrecorded capacity is inserted.
 - (1) If the fault continues:
 - do a check and repair if necessary the wiring between DAR (2TV) connector AA/5G and FDIMU (10TV) connector AB/13E (Ref. ASM 31-36/01).
 - (2) If the fault continues:
 - replace the DAR (2TV) (Ref. AMM TASK 31-36-52-000-001) and (Ref. AMM TASK 31-36-52-400-001).
- R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-499, 503-549, 551-599, R 701-749,
 - B. Do the test given in paragraph 3.A. again to check the correct operation (no maintenance message display).

201-225, 227-227, 229-253, 276-299, 426-499, 503-549, 551-599, 701-749,

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R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 31-36-00-810-818

DMU Receives No Data from the LGCIU 1 (5GA1) or LGCIU 2 (5GA2)

- 1. Possible Causes
 - LGCIU-1 (5GA1)
 - LGCIU-2 (5GA2)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
	-
AMM 31-36-00-710-001	Test of the DMU (1TV)
AMM 31-36-34-000-001	Removal of the Data Management Unit (DMU) (1TV)
AMM 31-36-34-400-001	Installation of the Data Management Unit (DMU) (1TV)
AMM 32-69-00-740-001	BITE Check Landing Gear Control Interface Unit (LGCIU) using MCDU to Ensure that Continuous BITE is Operative
ACH 74 77/04	

ASM 31-37/01

- 3. Fault Confirmation
 - A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE : Make sure that the circuit breakers 1TV, 2GA, 52GA on the panel 121VU and 1GA on the panel 49VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - NO LGCIU 1 DATA, or
 - NO LGCIU 2 DATA
 - (1) Do the BITE Test of the Landing Gear (Ref. AMM TASK 32-69-00-740-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (2) If the fault continues:
 - do a check and repair the wiring from the LGCIU-1 (5GA1) or LGCIU-2 (5GA2) to the DMU (1TV) (Ref. ASM 31-37/01):

LGCIU 1 Connector AA/13K to DMU Connector AA/1C LGCIU 1 Connector AA/15K to DMU Connector AA/1D or, LGCIU 2 Connector AA/13K to DMU Connector AB/1C LGCIU 2 Connector AA/15K to DMU Connector AB/1D

- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-819

DMU Receives No Data from the FMGC 1 (1CA1) or FMGC 2 (1CA2)

1. Possible Causes

- FMGC-1 (1CA1)
- FMGC-2 (1CA2)
- DMU (1TV)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE	DESIGNATION
AMM 22-96-00-710-001 AMM 31-36-00-710-001 AMM 31-36-34-000-001 AMM 31-36-34-400-001 ASM 31-37/01	Operational Test of the AFS Test of the DMU (1TV) Removal of the Data Management Unit (DMU) (1TV) Installation of the Data Management Unit (DMU) (1TV)

3. Fault Confirmation

A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE : Make sure that the circuit breakers 1TV, 10CA1, 10CA2 on the panel 121VU and 10CA1 on the panel 49VU are closed during the test.

4. Fault Isolation

- A. If the test gives the maintenance message:
 - NO FMGC-FMC 1 DATA, or
 - NO FMGC-FMC 2 DATA, or
 - NO FMGC-FGC 1 DATA, or
 - NO FMGC-FGC 2 DATA
 - (1) Do the operational test of the Flight Data Management and Guidance System (Ref. AMM TASK 22-96-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

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EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (2) If the fault continues:
 - do a check and repair the wiring from the FMGC-1 (1CA1) or FMGC-2 (1CA2) to the DMU (1TV) (Ref. ASM 31-37/01):

```
FMGC 1 Connector AA/10A to DMU Connector AA/1E
FMGC 1 Connector AB/12A to DMU Connector AA/1F
FMGC 1 Connector AB/12A to DMU Connector AA/7C
FMGC 1 Connector AB/12B to DMU Connector AA/7D
or
FMGC 2 Connector AB/10A to DMU Connector AB/1E
FMGC 2 Connector AB/10B to DMU Connector AB/1F
FMGC 2 Connector AB/12A to DMU Connector AA/7C
```

FMGC 2 Connector AB/12B to DMU Connector AA/7D

- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-820

DMU Receives No Data from the ADIRU 1-3 (1FP1,1FP2,1FP3)

- 1. Possible Causes
 - ADIRU-1 (1FP1)
 - ADIRU-2 (1FP2)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-36-00-710-001 AMM 31-36-34-000-001 AMM 31-36-34-400-001 AMM 34-13-00-740-002 AMM 34-14-00-740-001 ASM 31-37/01	Test of the DMU (1TV) Removal of the Data Management Unit (DMU) (1TV) Installation of the Data Management Unit (DMU) (1TV) INTERFACE TEST of the ADR Interface Test of the IR

- 3. Fault Confirmation
 - A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE: Make sure that the circuit breakers 1TV, 4FP2, 5FP2, 6FP2, 10FP on the panel 121VU and 4FP1, 5FP1 on the panel 49VU and 6FP1 on the panel 105VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - NO ADIRU-ADC 1 DATA, or
 - NO ADIRU-ADC 2 DATA, or
 - NO ADIRU-IRS 1 DATA, or
 - NO ADIRU-IRS 2 DATA
 - (1) Do the BITE Test of the Air Data/Internal Reference System (ADIRS) (Ref. AMM TASK 34-13-00-740-002) and (Ref. AMM TASK 34-14-00-740-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (2) If the fault continues:
 - do a check and repair the wiring from the ADIRU-1 (1FP1) or ADIRU-2 (1FP2) to the DMU (1TV) (Ref. ASM 31-37/01):

ADIRU 1 Connector AA/5A to DMU Connector AA/1G ADIRU 1 Connector AB/5B to DMU Connector AA/1H ADIRU 1 Connector AB/5E to DMU Connector AA/7A ADIRU 1 Connector AB/6E to DMU Connector AA/7B or ADIRU 2 Connector AA/7A to DMU Connector AB/1G ADIRU 2 Connector AA/7B to DMU Connector AB/1H ADIRU 2 Connector AB/1OC to DMU Connector AB/7A

ADIRU 2 Connector AB/11C to DMU Connector AB/7B

- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-821

DMU Receives No Data from the BMC 1 (1HA1) or BMC 2 (1HA2)

- 1. Possible Causes
 - BMC-1 (1HA1)
 - BMC-2 (1HA2)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	31-36-00-710-001	Test of the DMU (1TV)
AMM	31-36-34-000-001	Removal of the Data Management Unit (DMU) (1TV)
AMM	31-36-34-400-001	Installation of the Data Management Unit (DMU) (1TV)
AMM	36-11-00-710-001	Operational Test to read the CURRENT STATUS of the
		Engine Bleed Air System
ASM	31-37/01	

3. Fault Confirmation

A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE: Make sure that the circuit breakers 1TV on the panel 121VU and 2HA1, 3HA1 on the panel 49VU and 2HA2, 3HA2 on the panel 122VU are closed during the test.

4. Fault Isolation

- A. If the test gives the maintenance message:
 - NO BMC 1 DATA, or
 - NO BMC 2 DATA
 - (1) Do the operational test of the Bleed Monitoring Computer (Ref. AMM TASK 36-11-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (2) If the fault continues:
 - do a check and repair the wiring from the BMC-1 (1HA1) or BMC-2 (1HA2) to the DMU (1TV) (Ref. ASM 31-37/01):
 - BMC 1 Connector AA/10C to DMU Connector AA/1J
 - BMC 1 Connector AA/11C to DMU Connector AA/1K
 - BMC 1 Connector AA/12C to Ground

or

- BMC 2 Connector AA/10C to DMU Connector AB/1J
- BMC 2 Connector AA/11C to DMU Connector AB/1K
- BMC 2 Connector AA/12C to Ground
- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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TASK 31-36-00-810-822

DMU Receives No Data from the ECU (4000KS) or EEC (4000KS)

- 1. Possible Causes
 - DMU (1TV)
 - wiring
 - ECU Eng 1
 - ECU Eng 2
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-36-00-710-001 AMM 31-36-34-000-001 AMM 31-36-34-400-001 AMM 73-21-60-720-040 ASM 31-37/01	Test of the DMU (1TV) Removal of the Data Management Unit (DMU) (1TV) Installation of the Data Management Unit (DMU) (1TV) Functional Test of the Electronic Control Unit (ECU)

- 3. Fault Confirmation
 - A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE: Make sure that the circuit breakers 1TV, 2JH1, 3JH1, 4KS1, 2JH2, 3JH2, 4KS2 on the panel 121VU and 1JH, 2KS1, 2KS2 on the panel 49VU are closed during the test.

4. Fault Isolation

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- A. If the test gives the maintenance message:
 - ECU1 (4000KS)/DMU (1TV) or
 - ECU2 (4000KS)/DMU (1TV).
 - (1) Do the functional test of the ECU (Ref. AMM TASK 73-21-60-720-040).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and repair the wiring from the ECU Eng 1 or ECU Eng 2 to the DMU (1TV) (Ref. ASM 31-37/01):

ECU ENG 1 Connector J3/24 to DMU Connector AA/8K

201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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ECU ENG 1 Connector J3/11 to DMU Connector AA/9K ECU ENG 1 Connector J3/12 to Ground or ECU ENG 2 Connector J3/24 to DMU Connector AB/8K ECU ENG 2 Connector J3/11 to DMU Connector AB/9K ECU ENG 2 Connector J3/12 to Ground

- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-823

DMU Receives No Data from the ECB (59KD)

- 1. Possible Causes
 - ECB (59KD)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-36-00-710-001 AMM 31-36-34-000-001 AMM 31-36-34-400-001	Test of the DMU (1TV) Removal of the Data Management Unit (DMU) (1TV) Installation of the Data Management Unit (DMU) (1TV)
AMM 49-61-34-400-001	Installation of the Electronic Control Box (ECB) (59KD) (GTCP 36-300)
ASM 31-37/01	

3. Fault Confirmation

A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE : Make sure that the circuit breakers 1TV, 1KD, 2KD on the panel 121VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - NO ECB DATA
 - (1) Do the operational test of the CFDS after Removal/Installation of ECB (Ref. AMM TASK 49-61-34-400-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and repair the wiring from the ECB (59KD) to the DMU (1TV) (Ref. ASM 31-37/01):

ECB Connector AB/K8 to DMU Connector AB/2G ECB Connector AB/K9 to DMU Connector AB/2H

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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ECB Connector AB/E10 to Ground

- (3) If the fault continues:
 replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-824

DMU Receives No Data from the FCDC 1 (3CE1) or FCDC 2 (3CE2)

- 1. Possible Causes
 - FCDC-1 (3CE1)
 - FCDC-2 (3CE2)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 27-96-00-710-001 AMM 31-36-00-710-001 AMM 31-36-34-000-001 AMM 31-36-34-400-001 ASM 31-37/01	Operational Test of the FCDC Test of the DMU (1TV) Removal of the Data Management Unit (DMU) (1TV) Installation of the Data Management Unit (DMU) (1TV)

- 3. Fault Confirmation
 - A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE : Make sure that the circuit breakers 1TV, 20CE2 on the panel 121VU and 20CE1 on the panel 49VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - NO FCDC 1 DATA, or
 - NO FCDC 2 DATA
 - (1) Do the operational test of the FCDC (Ref. AMM TASK 27-96-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and repair the wiring from the FCDC-1 (3CE1) or FCDC-2 (3CE2) to the DMU (1TV) (Ref. ASM 31-37/01):

FCDC 1 Connector AA/5E to DMU Connector AA/3C FCDC 1 Connector AA/5F to DMU Connector AA/3D

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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or FCDC 2 Connector AB/5E to DMU Connector AB/3C FCDC 2 Connector AB/5F to DMU Connector AB/3D

- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-825

DMU Receives No Data from the FCU (2CA)

- 1. Possible Causes
 - FCU (2CA)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 22-96-00-710-001 AMM 31-36-00-710-001 AMM 31-36-34-000-001 AMM 31-36-34-400-001 ASM 31-37/01	Operational Test of the AFS Test of the DMU (1TV) Removal of the Data Management Unit (DMU) (1TV) Installation of the Data Management Unit (DMU) (1TV)

3. Fault Confirmation

A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE: Make sure that the circuit breakers 1TV, 9CA2 on the panel 121VU and 9CA1 on the panel 49VU are closed during the test.

4. Fault Isolation

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- A. If the test gives the maintenance message:
 - NO FCU BUS A DATA, or
 - NO FCU BUS B DATA, or
 - NO FCU 1 DATA, or
 - NO FCU 2 DATA
 - (1) Do the operatioal test of the AFS (Ref. AMM TASK 22-96-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and repair the wiring from the FCU (2CA) to the DMU (1TV) (Ref. ASM 31-37/01):

FCU Connector A/DD to DMU Connector AA/5A

201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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FCU Connector A/EE to DMU Connector AA/5B FCU Connector A/FF to DMU Connector AB/5A FCU Connector A/GG to DMU Connector AB/5B

- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-826

DMU Receives No Data from the GPWC (1WZ)

- 1. Possible Causes
 - GPWC (1WZ)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-36-00-710-001 AMM 31-36-34-000-001 AMM 31-36-34-400-001 AMM 34-48-00-710-001 ASM 31-37/01	Test of the DMU (1TV) Removal of the Data Management Unit (DMU) (1TV) Installation of the Data Management Unit (DMU) (1TV) Operational Test of GPWS Ground Self-test Function

3. Fault Confirmation

A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE: Make sure that the circuit breakers 1TV, 2WZ, 3WZ on the panel 121VU are closed during the test.

4. Fault Isolation

- A. If the test gives the maintenance message:
 - NO GPWS DATA
 - (1) Do the operational test of the Ground Proximity Warning System (Ref. AMM TASK 34-48-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and repair the wiring from the GPWC (1WZ) to the DMU (1TV) (Ref. ASM 31-37/01):

GPWC Connector AB/1C to DMU Connector AA/5C GPWC Connector AB/1D to DMU Connector AA/5D

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (3) If the fault continues:
 replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-827

DMU Receives No Data from the CFDS

- 1. Possible Causes
 - CFDIU (1TW)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-32-00-740-002	BITE Test of the Centralized Fault Display Interface Unit (CFDIU)
AMM	31-36-00-710-001	Test of the DMU (1TV)
AMM	31-36-34-000-001	Removal of the Data Management Unit (DMU) (1TV)
AMM	31-36-34-400-001	Installation of the Data Management Unit (DMU) (1TV)
ASM	31-36/01	_

- 3. Fault Confirmation
 - A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE : Make sure that the circuit breakers 1TV, 2TW, 8TW on the panel 121VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - NO CDFS DATA, or
 - CFDS COMMUNIC FAIL
 - (1) Do the BITE Test of the Central Fault Display Interface System (CFDIU) (Ref. AMM TASK 31-32-00-740-002).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the DMU (1TV) (Ref. ASM 31-36/01):

CFDIU Connector AA/2B to DMU Connector AB/5C

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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CFDIU Connector AA/2C to DMU Connector AB/5D CFDIU Connector AB/3F to DMU Connector AA/11E CFDIU Connector AB/3G to DMU Connector AA/11F

- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-828

DMU Receives No Data from the FWC 1 (1WW1) or FWC 2 (1WW2)

- 1. Possible Causes
 - FWC-1 (1WW1)
 - FWC-2 (1WW2)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFER	RENCE	DESIGNATION
AMM	31-36-00-710-001	Test of the DMU (1TV)
AMM	31-36-34-000-001	Removal of the Data Management Unit (DMU) (1TV)
AMM	31-36-34-400-001	Installation of the Data Management Unit (DMU) (1TV)
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
ASM	31-37/01	<u> </u>

3. Fault Confirmation

A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE: Make sure that the circuit breakers 1TV, 2WW on the panel 121VU and 3WW on the panel 49VU are closed during the test.

4. Fault Isolation

- A. If the test gives the maintenance message:
 - NO FWC 1 DATA, or
 - NO FWC 2 DATA
 - (1) Do the operational test of the Central Warning System (Ref. AMM TASK 31-50-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and repair the wiring from the FWC-1 (1WW1) or FWC-2 (1WW2) to the DMU (1TV) (Ref. ASM 31-37/01):

FWC 1 Connector AB/12J to DMU Connector AA/6A

201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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FWC 1 Connector AB/12K to DMU Connector AA/6B or

FWC 2 Connector AB/12J to DMU Connector AB/6A FWC 2 Connector AB/12K to DMU Connector AB/6B

- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-829

DMU Receives No Data from the DMC 1 (1WT1) or DMC 2 (1WT2)

- 1. Possible Causes
 - DMC-1 (1WT1)
 - DMC-2 (1WT2)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE 	DESIGNATION
AMM	31-36-00-710-001	Test of the DMU (1TV)
AMM	31-36-34-000-001	Removal of the Data Management Unit (DMU) (1TV)
AMM	31-36-34-400-001	Installation of the Data Management Unit (DMU) (1TV)
AMM	31-60-00-710-001	Operational Test of the EIS
ASM	31-37/01	

3. Fault Confirmation

A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE: Make sure that the circuit breakers 1TV, 10WT2, 21WT2 on the panel 121VU and 10WT1, 21WT1 on the panel 49VU are closed during the test.

4. Fault Isolation

- A. If the test gives the maintenance message:
 - NO DMC 1 DATA, or
 - NO DMC 2 DATA
 - (1) Do the operational test of the Electronic Instrument System (Ref. AMM TASK 31-60-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

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201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (2) If the fault continues:
 - do a check and repair the wiring from the DMC-1 (1WT1) or DMC-2
 (1WT2) to the DMU (1TV) (Ref. ASM 31-37/01):

DMC 1 Connector AB/1E to DMU Connector AA/6C

DMC 1 Connector AB/1F to DMU Connector AA/6D

or

DMC 2 Connector AB/1E to DMU Connector AB/6C

DMC 2 Connector AB/1F to DMU Connector AB/6D

- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-830

DMU Receives No Data from the FAC 1 (1CC1) or FAC 2 (1CC2)

1. Possible Causes

- FAC-1 (1CC1)
- FAC-2 (1CC2)
- DMU (1TV)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE	DESIGNATION
AMM 22-96-00-710-001 AMM 31-36-00-710-001 AMM 31-36-34-000-001 AMM 31-36-34-400-001 ASM 31-37/01	Operational Test of the AFS Test of the DMU (1TV) Removal of the Data Management Unit (DMU) (1TV) Installation of the Data Management Unit (DMU) (1TV)

3. Fault Confirmation

A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE: Make sure that the circuit breakers 1TV, 5CC2, 14CC2 on the panel 121VU and 5CC1, 14CC1 on the panel 49VU are closed during the test.

4. Fault Isolation

- A. If the test gives the maintenance message:
 - NO FAC 1 DATA, or
 - NO FAC 2 DATA
 - (1) Do the operational test of the Flight Augmentation System (Ref. AMM TASK 22-96-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

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- (2) If the fault continues:
 - do a check and repair the wiring from the FAC-1 (1CC1) or FAC-2 (1CC2) to the DMU (1TV) (Ref. ASM 31-37/01):
 - FAC 1 Connector AB/12J to DMU Connector AA/6E
 - FAC 1 Connector AB/12K to DMU Connector AA/6F

or

- FAC 2 Connector AB/12J to DMU Connector AB/6E
- FAC 2 Connector AB/12K to DMU Connector AB/6F
- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-831

DMU Receives No Data from the EVMU (2EV)

- 1. Possible Causes
 - EVMU (2EV)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-36-00-710-001 AMM 31-36-34-000-001 AMM 31-36-34-400-001 AMM 77-32-34-710-040 ASM 31-37/01	Test of the DMU (1TV) Removal of the Data Management Unit (DMU) (1TV) Installation of the Data Management Unit (DMU) (1TV) Operational Check of EVMU through CFDS

3. Fault Confirmation

A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE: Make sure that the circuit breakers 1TV, 1EV on the panel 121VU are closed during the test.

4. Fault Isolation

- A. If the test gives the maintenance message:
 - NO EVM DATA
 - (1) Do the operational test of the Engine Vibration Monitoring Unit with the CFDS (Ref. AMM TASK 77-32-34-710-040).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and repair the wiring from the EVMU (2EV) to the DMU (1TV) (Ref. ASM 31-37/01):

EVMU Connector AA/13A to DMU Connector AA/2E EVMU Connector AA/13C to DMU Connector AA/2F

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (3) If the fault continues:
 replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-832

DMU Receives No Data from the FQIC (3QT)

- 1. Possible Causes
 - FQIC (3QT)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

AMM 28-42-00-740-001 Status Report (BITE) AMM 31-36-00-710-001 Test of the DMU (1TV) AMM 31-36-34-000-001 Removal of the Data Management Unit (DMU) (1TV)	REFERENCE		DESIGNATION
•	AMM AMM	31-36-00-710-001 31-36-34-000-001 31-36-34-400-001	·

- 3. Fault Confirmation
 - A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE : Make sure that the circuit breakers 1TV, 2QT, 8QT on the panel 121VU and 1QT on the panel 49VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - NO FQI DATA
 - (1) Do the BITE test of the Fuel Quantity Indicating Computer (Ref. AMM TASK 28-42-00-740-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and repair the wiring from the FQIC (3QT) to the DMU (1TV) (Ref. ASM 31-37/01):

FQIC Connector AB/4F to DMU Connector AA/2G FQIC Connector AB/5F to DMU Connector AA/2H FQIC Connector AB/6F to Ground

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (3) If the fault continues:
 replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-833

DMU Receives No Data from the SFCC 1 (21CV) or SFCC 2 (22CV)

1. Possible Causes

- SFCC-1 (21CV)
- SFCC-2 (22CV)
- DMU (1TV)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE	DESIGNATION
AMM 27-54-00-710-001 AMM 31-36-00-710-001 AMM 31-36-34-000-001 AMM 31-36-34-400-001 ASM 31-37/01	Operational Test of the Flap System Test of the DMU (1TV) Removal of the Data Management Unit (DMU) (1TV) Installation of the Data Management Unit (DMU) (1TV)

3. Fault Confirmation

A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE : Make sure that the circuit breakers 1TV, 7CV, 8CV, 11CV, 12CV, 2CN on the panel 121VU and 1CN, 5CV, 6CV on the panel 49VU and 9CV, 10CV on the panel 122VU are closed during the test.

4. Fault Isolation

- A. If the test gives the maintenance message:
 - NO SFCC 1 DATA, or
 - NO SFCC 2 DATA
 - (1) Do the operational test of the Slat and Flap Control Computer (Ref. AMM TASK 27-54-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

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EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (2) If the fault continues:
 - do a check and repair the wiring from the SFCC-1 (21CV) or SFCC-2 (22CV) to the DMU (1TV) (Ref. ASM 31-37/01):

SFCC 1 Connector AB/4E to DMU Connector AA/3A

SFCC 1 Connector AB/4F to DMU Connector AA/3B

SFCC 2 Connector AB/4E to DMU Connector AB/3A

SFCC 2 Connector AB/4F to DMU Connector AB/3B

- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-834

DMU Receives No Data from the SDAC 1 (1WV1) or SDAC 2 (1WV2)

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - SDAC-2 (1WV2)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-36-00-710-001	Test of the DMU (1TV)
AMM 31-36-34-000-001	Removal of the Data Management Unit (DMU) (1TV)
AMM 31-36-34-400-001	Installation of the Data Management Unit (DMU) (1TV)
AMM 31-50-00-710-001	Ground Scanning of the Central Warning System
ASM 31-37/01	

- 3. Fault Confirmation
 - A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE: Make sure that the circuit breakers 1TV, 6WV, 7WV, 8WV, 9WV on the panel 121VU and 2WV, 3WV, 5WV, 10WV, 12WV on the panel 49VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - NO SDAC 1 DATA (BUS 1)
 - NO SDAC 2 DATA (BUS 1)
 - NO SDAC 1 DATA (BUS 2)
 - NO SDAC 2 DATA (BUS 2)
 - (1) Do the operational test of the Central Warning System (Ref. AMM TASK 31-50-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (2) If the fault continues:
 - do a check and repair the wiring from the SDAC-1 (1WV1) or SDAC-2 (1WV2) to the DMU (1TV) (Ref. ASM 31-37/01):
 - SDAC 1 Connector AB/8J to DMU Connector AA/6G and AA/6J SDAC 1 Connector AB/8K to DMU Connector AA/6H and AA/6K or SDAC 2 Connector AB/8J to DMU Connector AB/6G and AB/6J
 - SDAC 2 Connector AB/8J to DMU Connector AB/6G and AB/6J SDAC 2 Connector AB/8K to DMU Connector AB/6H and AB/6K
- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-835

DMU Receives No Data from the ACARS-MU (1RB) or ATSU (1TX1)

- 1. Possible Causes
 - MU-ACARS (1RB)
 - DMU (1TV)
 - ATSU (1TX1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM AMM AMM AMM AMM ASM	23-24-00-710-001 31-36-00-710-001 31-36-34-000-001 31-36-34-400-001 46-21-00-710-001 31-36/01	Operational Test of the ACARS Test of the DMU (1TV) Removal of the Data Management Unit (DMU) (1TV) Installation of the Data Management Unit (DMU) (1TV) Operational Test of the ATSU
	0.00,00	

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549, R 551-557, 701-749,
 - A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE : Make sure that the circuit breakers 1TV, 2RB on the panel 121VU are closed during the test.

**ON A/C 247-253, 429-450, 481-499, 503-549, 551-599,

Post SB 46-1001 For A/C 503-549, Post SB 46-1005 For A/C 551-557,

A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE : Make sure that the circuit breakers 1TV, 1TX1 on the panel 121VU are closed during the test.

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

4. Fault Isolation

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- R **ON A/C 201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549, R 551-557, 701-749,
 - A. If the test gives the maintenance message:
 - No ACARS DATA, or
 - ACARS COMMUNIC FAIL
 - (1) Do the operational test of the ACARS (Ref. AMM TASK 23-24-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and repair the wiring from the MU-ACARS (1RB) to the DMU (1TV) (Ref. ASM 31-36/01):

ACARS-MU Connector A/15G to DMU Connector AB/5J ACARS-MU Connector A/15H to DMU Connector AB/5K ACARS-MU Connector A/7J to DMU Connector AB/11J ACARS-MU Connector A/7K to DMU Connector AB/11K

- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).

**ON A/C 247-253, 429-450, 481-499, 503-549, 551-599,

Post SB 46-1001 For A/C 503-549, Post SB 46-1005 For A/C 551-557,

- A. If the test gives the maintenance message:
 - NO ACARS DATA, or
 - ACARS COMMUNIC FAIL
 - (1) Do the operational test of the ATSU (Ref. AMM TASK 46-21-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (2) If the fault continues:
 - do a check and repair the wiring from the ATSU (1TX1) to the DMU (1TV) (Ref. ASM 31-36/05):

ATSU Connector AA/1E to DMU Connector AB/5J ATSU Connector AA/1F to DMU Connector AB/5K ATSU Connector AB/8A to DMU Connector AB/11J ATSU Connector AB/8B to DMU Connector AB/11K

- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).

R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

B. Do the test given in para. 3.

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-836

DMU Receives No Data from the Printer (4TW)

- 1. Possible Causes
 - PRINTER (4TW)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-35-00-710-001 AMM 31-36-00-710-001 AMM 31-36-34-000-001 AMM 31-36-34-400-001 ASM 31-36/01	Operational Test of the Printer Test of the DMU (1TV) Removal of the Data Management Unit (DMU) (1TV) Installation of the Data Management Unit (DMU) (1TV)

- 3. Fault Confirmation
 - A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE: Make sure that the circuit breakers 1TV, 6TW on the panel 121VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - PRINTER COMMUNIC FAIL
 - (1) Do the operational test of the Printer (Ref. AMM TASK 31-35-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and repair the wiring from the PRINTER (4TW) to the DMU (1TV) (Ref. ASM 31-36/01):

Printer Connector A/C to DMU Connector AA/11E Printer Connector A/D to DMU Connector AA/11F Printer Connector A/E to DMU Connector AA/11J

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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Printer Connector A/F to DMU Connector AA/11K

- (3) If the fault continues:
 replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-865

DMU Receives No Data from MCDU 1 (3CA1) or MCDU 2 (3CA2)

1. Possible Causes

- MCDU-1 (3CA1)
- MCDU-2 (3CA2)
- DMU (1TV)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	22-70-00-710-001	Operational Test of the Multipurpose Control and Display Unit (MCDU)
AMM	31-36-00-710-001	Test of the DMU (1TV)
AMM	31-36-34-000-001	Removal of the Data Management Unit (DMU) (1TV)
AMM ASM	31-36-34-400-001 31-37/01	Installation of the Data Management Unit (DMU) (1TV)

3. Fault Confirmation

A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE: Make sure that the circuit breakers 1TV, 11CA1, 11CA2 on the panel 121VU and 11CA1 on the panel 49VU are closed during the test.

4. Fault Isolation

- A. If the test gives the maintenance message:
 - MCDU 1 COMMUNIC FAIL, or
 - MCDU 2 COMMUNIC FAIL
 - (1) Do the operational test of the Flight Management System (Ref. AMM TASK 22-70-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

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EFF: 201-225, 227-227, 229-253, 276-299,

426-450, 476-499, 503-549, 551-599, 701-749,

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- (2) If the fault continues:
 - do a check and repair the wiring from the MCDU-1 (3CA1) or MCDU-2 (3CA2) to the DMU (1TV) (Ref. ASM 31-37/01):

```
MCDU 1 Connector A/27 to DMU Connector AA/11A
MCDU 1 Connector A/28 to DMU Connector AA/11B
MCDU 1 Connector A/11 to DMU Connector AA/11E
MCDU 1 Connector A/12 to DMU Connector AA/11F
or
MCDU 2 Connector A/27 to DMU Connector AB/11A
MCDU 2 Connector A/28 to DMU Connector AB/11B
MCDU 2 Connector A/11 to DMU Connector AA/11E
MCDU 2 Connector A/12 to DMU Connector AA/11F
```

- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-890

DMU Receives No Data from the BSCU 1 or BSCU 2 (10GG)

- 1. Possible Causes
 - BSCU (10GG)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-36-00-710-001 AMM 31-36-34-000-001 AMM 31-36-34-400-001 AMM 32-42-00-710-001 ASM 31-37/01	Test of the DMU (1TV) Removal of the Data Management Unit (DMU) (1TV) Installation of the Data Management Unit (DMU) (1TV) Operational Check of the Normal Braking System

3. Fault Confirmation

A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

NOTE: Make sure that the circuit breakers 1TV, 5CC2, 14CC2 on the panel 121VU and 5CC1, 14CC1 on the panel 49VU are closed during the test.

4. Fault Isolation

- A. If the test gives the maintenance message:
 - NO BSCU 1 DATA, or
 - NO BSCU 2 DATA
 - (1) Do the operational test of the Normal Braking System (Ref. AMM TASK 32-42-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and repair the wiring from the BSCU (10GG) to the DMU (1TV) (Ref. ASM 31-37/01).

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (3) If the fault continues:
 replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- B. Do the test given in para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-892

DMU Battery (1TV)

- 1. Possible Causes
 - DMU (1TV)
 - Battery
- 2. Job Set-up Information
 - A. Referenced Information

	DESIGNATION		
AMM 31-36-00-710-001 AMM 31-36-00-960-002 AMM 31-36-34-000-001 AMM 31-36-34-400-001	Test of the DMU (1TV) Replacement of the DMU Batteries Removal of the Data Management Unit (DMU) (1TV) Installation of the Data Management Unit (DMU) (1TV)		
3. Fault Confirmation			
A. Do the DMU (1TV) fault monitoring test (Ref. AMM TASK 31-36-00-710-001).			
(1) If the Result Power Up Test Page gives these messages, replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001):			
- EPROM I/O FAILURE (CPU1)			

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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4. Fault Isolation

- A. If the DMU (1TV) test gives the maintenance message DMU BATTERY (1TV) only:
 - replace the Battery (Ref. AMM TASK 31-36-00-960-002).

5. Close-up

A. Do the test given in paragraph 3.A. again to check the correct operation (no maintenance message display).

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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R **ON A/C 202-202, 429-429, 503-549, 551-599,

TASK 31-36-00-810-893

DMU PCMCIA Media (1TV)

- 1. Possible Causes
 - DMU (1TV)
 - PCMCIA Card
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
	31-36-00-000-001 31-36-00-400-001	Removal of the Personal Computer Memory Card (PCMCIA) Installation of the Personal Computer Memory Card (PCMCIA)
AMM	31-36-00-710-001	Test of the DMU (1TV)
AMM	31-36-34-000-001	Removal of the Data Management Unit (DMU) (1TV)
AMM	31-36-34-400-001	Installation of the Data Management Unit (DMU) (1TV)
3. Fault Confirmation		
A	. Do the DMU (1TV) fa	ult monitoring test (Ref. AMM TASK 31-36-00-710-001).
(1) If the Result Power Up Test Page shows these messages, replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001): - EPROM I/O FAILURE (CPU1)		
		IL (CPU2)
		FAILUR
	- CPU1/CPU2 SYN	C. FAILURE

EFF: 202-202, 429-429, 503-549, 551-599,

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- INVALID DATABASE.

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4. Fault Isolation

- A. If the DMU (1TV) test shows the maintenance message DMU PCMCIA MEDIA (1TV) only:
 - on the MCDU get access to the CFDS Trouble Shooting Page of the DMU (MCDU MENU / CFDS / INST / DMU / TROUBLE SHOOTING DATA).
 - print out (PRINT) or notice the Trouble Shooting Data.

NOTE: For further work on the PCMCIA card you can find following messages under the topic DETAILED REASON on the TROUBLE SHOOTING DATA page:

- * Invalid PCMCIA Media inserted
- * Disk Formate Error
- * Disk Access Error
- * No Disk inserted (#)
- * Disk full (#)
- ((#) if enabled through GSE).
- replace the PCMCIA Card (Ref. AMM TASK 31-36-00-000-001) (Ref. AMM TASK 31-36-00-400-001).

5. Close-up

A. Do the test given in paragraph 3.A. again to make sure that the system operates

correctly (no maintenance message display).

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-36-00-810-895

AIDS - MCDU 1 and MCDU 2 shows AIDS (TIME OUT)

- 1. Possible Causes
 - DMU (1TV)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

31-32-00-810-934 Failure of the Digital Lin AMM 31-36-00-710-001 Test of the DMU (1TV) AMM 31-36-00-740-012 Test of the FDIMU (10TV)	
	nks
AMM 31-36-00-740-012 Test of the FDIMU (10TV)	
AMM 31-36-34-000-001 Removal of the Data Manage	ement Unit (DMU) (1TV)
AMM 31-36-34-000-002 Removal of the FDIU/DMU (FDIMU) (10TV)
AMM 31-36-34-400-001 Installation of the Data M	Management Unit (DMU) (1TV)
AMM 31-36-34-400-002 Installation of the FDIU/I	OMU (FDIMU) (10TV)
ASM 31-36/01	

- 3. Fault Confirmation
 - A. Not applicable, the fault is evident.
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - A. If the fault identified by the crew observation: MCDU 1 and MCDU 2 shows AIDS (TIME OUT)
 - (1) Do the DMU (1TV) Fault Monitoring Test (Ref. AMM TASK 31-36-00-710-001).
 - (a) If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

EFF: ALL 31-36-00

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- (2) If the fault continues:
 - do a check and repair the aircraft wiring from the MCDU 1 (3CA1), MCDU 2 (3CA2), CFDIU (1TW) and Printer (4TW) to the DMU (1TV) (Ref. ASM 31-36/01):

MCDU 1 Connector 11 to DMU Connector AA/11E
MCDU 1 Connector 12 to DMU Connector AA/11F
MCDU 2 Connector 11 to DMU Connector AA/11E
MCDU 2 Connector 12 to DMU Connector AA/11F
CFDIU Connector AB/3F to DMU Connector AA/11E
CFDIU Connector AB/3G to DMU Connector AA/11F
Printer Connector C to DMU Connector AA/11E
Printer Connector D to DMU Connector AA/11F

- (3) If the fault continues:
 - replace the DMU (1TV) (Ref. AMM TASK 31-36-34-000-001) and (Ref. AMM TASK 31-36-34-400-001).
- (4) If the fault continues:
 - do the fault isolation procedure (Ref. TASK 31-32-00-810-934) of the MCDU 1 (3CA1), MCDU 2 (3CA2), CFDIU (1TW) and Printer (4TW).
- B. Do the DMU (1TV) Fault Monitoring Test (Ref. AMM TASK 31-36-00-710-001) to check the correct operation (no maintenance message is shown).

**ON A/C 254-275, 451-475,

- A. If the fault identified by the crew observation: MCDU 1 and MCDU 2 shows AIDS (TIME OUT)
 - (1) Do the FDIMU (10TV) Fault Monitoring Test (Ref. AMM TASK 31-36-00-740-012).
 - (a) If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - (2) If the fault continues:
 - do a check and repair the aircraft wiring from the MCDU 1 (3CA1), MCDU 2 (3CA2), CFDIU (1TW) and Printer (4TW) to the FDIMU (10TV) (Ref. ASM 31-36/01):

MCDU 1 Connector 11 to FDIMU Connector AA/11E
MCDU 1 Connector 12 to FDIMU Connector AA/11F
MCDU 2 Connector 11 to FDIMU Connector AA/11E
MCDU 2 Connector 12 to FDIMU Connector AA/11F
CFDIU Connector AB/3F to FDIMU Connector AA/11E
CFDIU Connector AB/3G to FDIMU Connector AA/11F
Printer Connector C to FDIMU Connector AA/11E
Printer Connector D to FDIMU Connector AA/11F

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EFF:

ALL

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- (3) If the fault continues:
 - replace the DMU/FDIU (FDIMU) (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- (4) If the fault continues:
 - do the fault isolation procedure (Ref. TASK 31-32-00-810-934) of the MCDU 1 (3CA1), MCDU 2 (3CA2), CFDIU (1TW) and Printer (4TW).
- B. Do the FDIMU (10TV) Fault Monitoring Test (Ref. AMM TASK 31-36-00-740-012) to check the correct operation (no maintenance message is shown).

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TASK 31-36-00-810-896

FDIMU Receives No Data from the LGCIU 1 (5GA1) or LGCIU 2 (5GA2)

- 1. Possible Causes
 - LGCIU-1 (5GA1)
 - LGCIU-2 (5GA2)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 31-36-00-740-012 AMM 31-36-34-000-002 AMM 31-36-34-400-002	Test of the FDIMU (10TV) Removal of the FDIU/DMU (FDIMU) (10TV) Installation of the FDIU/DMU (FDIMU) (10TV)	
AMM 32-69-00-740-001	BITE Check Landing Gear Control Interface Unit (LGCIU) using MCDU to Ensure that Continuous BITE is Operative	
ΔSM 31-37/N1		

ASM 31-3//U1

- Fault Confirmation
 - A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE: Make sure that the circuit breakers 5TV, 2GA, 52GA on the panel 121VU and 1GA on the panel 49VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - LGCIU1 (5GA1)/FDIMU (10TV) or
 - LGCIU2 (5GA2)/FDIMU (10TV)

254-275, 451-475,

- (1) Do the BITE test of the landing gear (Ref. AMM TASK 32-69-00-740-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

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- (2) If the fault continues:
 - do a check and if necessary repair the wiring between the LGCIU-1 (5GA1) or LGCIU-2 (5GA2) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01):

LGCIU 1 Connector AA/13K to FDIMU Connector AA/1C LGCIU 1 Connector AA/15K to FDIMU Connector AA/1D or, LGCIU 2 Connector AA/13K to FDIMU Connector AB/1C LGCIU 2 Connector AA/15K to FDIMU Connector AB/1D

- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-897

FDIMU Receives No Data from the FMGC 1 (1CA1) or FMGC 2 (1CA2)

- 1. Possible Causes
 - FMGC-1 (1CA1)
 - FMGC-2 (1CA2)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 22-96-00-710-00 AMM 31-36-00-740-013 AMM 31-36-34-000-003 AMM 31-36-34-400-003 ASM 31-37/01	Test of the FDIMU (10TV) Removal of the FDIU/DMU (FDIMU) (10TV)

3. Fault Confirmation

A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE : Make sure that the circuit breakers 5TV, 10CA2 on the panel 121VU and 10CA1 on the panel 49VU are closed during the test.

4. Fault Isolation

A. If the test gives the maintenance message:

```
- FMCG1 (1CA1) / FDIMU (10TV), (Detailed message text: FMC BUS FAIL) or - FMCG1 (1CA1) / FDIMU (10TV), (Detailed message text: FGC BUS FAIL) or - FMCG2 (1CA2) / FDIMU (10TV), (Detailed message text: FMC BUS FAIL) or - FMCG2 (1CA2) / FDIMU (10TV), (Detailed message text: FGC BUS FAIL)
```

- (1) Do the operational test of the flight data management and guidance system (Ref. AMM TASK 22-96-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

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TROUBLE SHOOTING MANUAL

- (2) If the fault continues:
 - do a check and if necessary repair the wiring between the FMGC-1 (1CA1) or FMGC-2 (1CA2) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01):

```
FMGC 1 Connector AB/10A to FDIMU Connector AA/1E
FMGC 1 Connector AB/10B to FDIMU Connector AA/1F
FMGC 1 Connector AB/12A to FDIMU Connector AA/7C
FMGC 1 Connector AB/12B to FDIMU Connector AA/7D
or
FMGC 2 Connector AB/10A to FDIMU Connector AB/1E
FMGC 2 Connector AB/10B to FDIMU Connector AB/1F
FMGC 2 Connector AB/12A to FDIMU Connector AB/7C
FMGC 2 Connector AB/12B to FDIMU Connector AB/7D
```

- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-898

FDIMU (10TV) Inoperative

- 1. Possible Causes
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE	DESIGNATION
	31-33-00-810-801	DFDR (1TU) Inoperative
R	31-33-00-810-803	Quick Access Recorder (QAR) (3TU) Inoperative
	31-33-00-810-804	QAR (3TU) Tape/Media Low
	31-33-00-810-805	Accelerometer (6TU) Fault
	31-33-00-810-806	DFDR (1TU) Playback Data Fault
	31-33-00-810-807	No AC Ident
	31-36-00-810-802	DAR (2TV) Inoperative
	31-36-00-810-803	DAR (2TV) Tape Low/Media Low
	31-36-00-810-899	FDIMU Battery (10TV)
	31-36-00-810-900	FDIMU PCMCIA MEDIA (10TV)
	AMM 31-36-00-740-008	Access to the Parameter Call-Up Menus
	AMM 31-36-00-740-012	Test of the FDIMU (10TV)
	AMM 31-36-34-000-002	Removal of the FDIU/DMU (FDIMU) (10TV)
	AMM 31-36-34-400-002	Installation of the FDIU/DMU (FDIMU) (10TV)
	ASM 31-36/01	

- 3. Fault Confirmation
 - A. Do the test of the FDIMU (10TV) (Ref. AMM TASK 31-36-00-740-012).
- 4. Fault Isolation
- **ON A/C 254-275,
 - A. If the test gives the maintenance message as listed below do the related trouble shooting procedure:
 - "DFDR" (Ref. TASK 31-33-00-810-801)
 - "QAR" (Ref. TASK 31-33-00-810-803)
 - "QAR MEDIA" (Ref. TASK 31-33-00-810-804)
 - "ACCELEROMETER" (Ref. TASK 31-33-00-810-805)
 - "DFDR PLAYBACK" (Ref. TASK 31-33-00-810-806)
 - "NO AC IDENT" (Ref. TASK 31-33-00-810-807)
 - "PCMCIA MEDIA" (Ref. TASK 31-36-00-810-900)
 - "BATTERY" (Ref. TASK 31-36-00-810-899)

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TROUBLE SHOOTING MANUAL

- (1) If the test gives a message related to a FDIMU internal failure replace the DMU/FDIU (FDIMU) (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- (2) If the test gives a message "NO RESPONSE" (FDIU part and DMU part):
 - make sure that the CB 5TV is closed
 - do a check for 115 VAC at the FDIMU (10TV) connectors AC/1 and AC/7 (Ref. ASM 31-36/01).
 - (a) If there is 115 VAC:
 - replace the DMU/FDIU (FDIMU) (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
 - (b) If there is no 115 VAC:
 - do a check and repair the wiring between the DMU/FDIU (FDIMU)
 (10TV) and CB 5TV and Ground points (Ref. ASM 31-36/01):
 - 1 from FDIMU AC/1 to CB 5TV/2
 - 2 from FDIMU AC/7 to ground
 - 3 from FDIMU AA/15J to ground
 - 4 from FDIMU AA/15K to ground
 - 5 from FDIMU AB/15J to ground
 - 6 from FDIMU AB/15K to ground.
- (3) If the ECAM shows the message "31-00 DAR" and a DAR is not installed: - make sure that the PCMCIA configuration of the FDIMU database is correct.
 - NOTE: A DAR fault message also can occur on the ECAM, if the PCMCIA configuration of the FDIMU database is customized. For example the FDIMU generates a DAR fault message, if a PCMCIA card is not installed or the PCMCIA DAR space is full and the CFDS failure inhibition is not set. For details refer to the vendor documentation of the FDIMU.
 - do a check of the alpha call-up "DISI1" (Ref. AMM TASK 31-36-00-740-008).
 - (a) If the bits 1 and 3 of the alpha call-up "DISI1" are "1":
 check if pin AA/13E of the FDIMU is grounded (Ref. ASM 31-36/01).
 - 1 If the pin AA/13E is grounded:
 repair the wiring and remove the ground from pin AA/13E.

EFF: 254-275,

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2 If the pin AA/13E is not grounded:
 - replace the FDIMU (Ref. AMM TASK 31-36-34-000-002), (Ref. AMM TASK 31-36-34-400-002).

**ON A/C 451-475,

- A. If the test gives the maintenance message as listed below do the related trouble shooting procedure:
 - "DFDR" (Ref. TASK 31-33-00-810-801)
 - "QAR" (Ref. TASK 31-33-00-810-803)
 - "QAR MEDIA" (Ref. TASK 31-33-00-810-804)
 - "ACCELEROMETER" (Ref. TASK 31-33-00-810-805)
 - "DFDR PLAYBACK" (Ref. TASK 31-33-00-810-806)
 - "NO AC IDENT" (Ref. TASK 31-33-00-810-807)
 - "PCMCIA MEDIA" (Ref. TASK 31-36-00-810-900)
 - "DAR" (Ref. TASK 31-36-00-810-802)
 - "DAR MEDIA" (Ref. TASK 31-36-00-810-803)
 - "BATTERY" (Ref. TASK 31-36-00-810-899)
 - (1) If the test gives a message related to a FDIMU internal failure replace the DMU/FDIU (FDIMU) (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
 - (2) If the test gives a message "NO RESPONSE" (FDIU part and DMU part):
 - make sure that the CB 5TV is closed
 - do a check for 115 VAC at the FDIMU (10TV) connectors AC/1 and AC/7 (Ref. ASM 31-36/01).
 - (a) If there is 115 VAC:
 - replace the DMU/FDIU (FDIMU) (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
 - (b) If there is no 115 VAC:
 - do a check and repair the wiring between the DMU/FDIU (FDIMU)
 (10TV) and CB 5TV and Ground points (Ref. ASM 31-36/01):
 - 1 from FDIMU AC/1 to CB 5TV/2
 - 2 from FDIMU AC/7 to ground
 - 3 from FDIMU AA/15J to ground
 - 4 from FDIMU AA/15K to ground
 - 5 from FDIMU AB/15J to ground
 - 6 from FDIMU AB/15K to ground.

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**ON A/C 254-275, 451-475,

B. Do the test given in para. 3.

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TASK 31-36-00-810-899

FDIMU Battery (10TV)

- 1. Possible Causes
- R DMU/FDIU (FDIMU) (10TV)
 - battery
 - 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
D	AMM	31-36-00-740-012 31-36-00-960-003 31-36-34-000-002	Test of the FDIMU (10TV) Replacement of the FDIMU Batteries Removal of the FDIU/DMU (FDIMU) (10TV)	

Installation of the FDIU/DMU (FDIMU) (10TV)

3. Fault Confirmation

R AMM 31-36-34-400-002

- A. Do the test of the FDIMU (10TV) (Ref. AMM TASK 31-36-00-740-012).
- 4. Fault Isolation
- R **ON A/C 254-275,
- R A. If the FDIMU (10TV) test gives the maintenance message FDIMU BATTERY (10TV) only:
- R replace the DMU/FDIU (FDIMU) (10TV) (Ref. AMM TASK 31-36-34-000-002)
 R (Ref. AMM TASK 31-36-34-400-002).
- R **ON A/C 451-475,
 - A. If the FDIMU (10TV) test gives the maintenance message FDIMU BATTERY (10TV) only:
 - replace the battery (Ref. AMM TASK 31-36-00-960-003).
- R **ON A/C 254-275, 451-475,
 - B. Do the test given in para. 3.

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TASK 31-36-00-810-900

FDIMU PCMCIA MEDIA (10TV)

- 1. Possible Causes
 - PCMCIA-Card
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-36-00-000-001	Removal of the Personal Computer Memory Card (PCMCIA)
	31-36-00-400-001 31-36-00-740-012	<pre>Installation of the Personal Computer Memory Card (PCMCIA) Test of the FDIMU (10TV)</pre>

- 3. Fault Confirmation
 - A. Do the test of the FDIMU (10TV) (Ref. AMM TASK 31-36-00-740-012).
- 4. Fault Isolation
 - A. If the FDIMU (10TV) test gives the maintenance message DMU PCMCIA MEDIA or FDIMU PCMCIA MEDIA only:
 - replace the PCMCIA-Card, (Ref. AMM TASK 31-36-00-000-001) (Ref. AMM TASK 31-36-00-400-001).
 - B. Do the test given in para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-36-00-810-901

FDIMU Receives No Data from the ADIRU 1-3 (1FP1,1FP2,1FP3)

- 1. Possible Causes
 - ADIRU-1 (1FP1)
 - ADIRU-2 (1FP2)
 - ADIRU-3 (1FP3)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION	
Δ M M	31-36-00-740-012	Test of the FDIMU (10TV)	
	31-36-34-000-002	Removal of the FDIU/DMU (FDIMU) (10TV)	
AMM	31-36-34-400-002	Installation of the FDIU/DMU (FDIMU) (10TV)	
AMM	34-13-00-740-002	INTERFACE TEST of the ADR	
AMM	34-14-00-740-001	Interface Test of the IR	
ASM	31-37/01		

3. Fault Confirmation

A. Do the FDIMU (10TV) fault monitoring test (AIDS-Part) (Ref. AMM TASK 31-36-00-740-012).

NOTE: Make sure that the circuit breakers 5TV, 4FP2, 5FP2, 6FP2, 10FP on the panel 121VU and 4FP1, 5FP1 on the panel 49VU and 6FP1 on the panel 105VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - ADIRU1 (1FP1)/FDIMU (10TV) or
 - ADIRU2 (1FP2)/FDIMU (10TV) or
 - ADIRU3 (1FP3)/FDIMU (10TV)
 - (1) Do the BITE Test of the Air Data/Internal Reference System (ADIRS) (Ref. AMM TASK 34-13-00-740-002) and (Ref. AMM TASK 34-14-00-740-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

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- (2) If the fault continues:
 - do a check and if necessary repair the wiring between the ADIRU-1 (1FP1) or ADIRU-2 (1FP2) or ADIRU-3 (1FP3) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01):

ADIRU 1 Connector AA/5A to FDIMU Connector AA/1G ADIRU 1 Connector AA/5B to FDIMU Connector AA/1H ADIRU 1 Connector AB/5E to FDIMU Connector AA/7A ADIRU 1 Connector AB/6E to FDIMU Connector AA/7B ADIRU 2 Connector AA/7A to FDIMU Connector AB/1G ADIRU 2 Connector AA/7B to FDIMU Connector AB/1H ADIRU 2 Connector AB/10C to FDIMU Connector AB/7A ADIRU 2 Connector AB/11C to FDIMU Connector AB/7B ADIRU 3 Connector AA/9A to FDIMU Connector AA/6J ADIRU 3 Connector AA/9B to FDIMU Connector AA/6K

- ADIRU 3 Connector AB/10C to FDIMU Connector AB/6J
- ADIRU 3 Connector AB/11C to FDIMU Connector AB/6K.
- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-902

FDIMU Receives No Data from the BMC 1 (1HA1) or BMC 2 (1HA2)

- 1. Possible Causes
 - BMC-1 (1HA1)
 - BMC-2 (1HA2)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-36-00-740-012	Test of the FDIMU (10TV)
AMM	31-36-34-000-002	Removal of the FDIU/DMU (FDIMU) (10TV)
	31-36-34-400-002	Installation of the FDIU/DMU (FDIMU) (10TV)
AMM	36-11-00-710-001	Operational Test to read the CURRENT STATUS of the Engine Bleed Air System
ASM	31-37/01	- -

3. Fault Confirmation

A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE: Make sure that the circuit breakers 5TV on the panel 121VU and 2HA1, 3HA1 on the panel 49VU and 2HA2, 3HA2 on the panel 122VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - BMC1 (1HA1) / FDIMU (10TV) or
 - BMC2 (1HA2) / FDIMU (10TV)
 - (1) Do the operational test of the bleed monitoring computer (Ref. AMM TASK 36-11-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

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- (2) If the fault continues:
 - do a check and if necessary repair the wiring between the BMC-1 (1HA1) or BMC-2 (1HA2) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01):
 - BMC 1 Connector AA/10C to FDIMU Connector AA/1J
 BMC 1 Connector AA/11C to FDIMU Connector AA/1K
 BMC 1 Connector AA/12C to Ground
 or
 BMC 2 Connector AB/10C to FDIMU Connector AB/1J
 - BMC 2 Connector AB/11C to FDIMU Connector AB/15
 - BMC 2 Connector AB/12C to Ground
- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-903

FDIMU Receives No Data from the ECU (4000KS) or EEC (4000KS)

- 1. Possible Causes
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
 - ECU Eng 1
 - ECU Eng 2
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-36-00-740-012	Test of the FDIMU (10TV)
AMM	31-36-34-000-002	Removal of the FDIU/DMU (FDIMU) (10TV)
AMM	31-36-34-400-002	Installation of the FDIU/DMU (FDIMU) (10TV)
AMM	73-21-60-720-040	Functional Test of the Electronic Control Unit (ECU)
ASM	31-37/01	

- 3. Fault Confirmation
 - A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE: Make sure that the circuit breakers 5TV, 2JH1, 3JH1, 4KS1, 2JH2, 3JH2, 4KS2 on the panel 121VU and 1JH, 2KS1, 2KS2 on the panel 49VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - ECU1 (4000) / FDIMU (10TV) or
 - ECU2 (4000) / FDIMU (10TV)
 - (1) Do the functional test of the ECU (Ref. AMM TASK 73-21-60-720-040).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

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- (2) If the fault continues:
 - do a check and if necessary repair the wiring between the ECU Eng 1 or ECU Eng 2 and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01):

ECU ENG 1 Connector J3/24 to FDIMU Connector AA/8K ECU ENG 1 Connector J3/11 to FDIMU Connector AA/9K ECU ENG 1 Connector J3/12 to Ground or ECU ENG 2 Connector J3/24 to FDIMU Connector AB/8K ECU ENG 2 Connector J3/11 to FDIMU Connector AB/9K ECU ENG 2 Connector J3/12 to Ground

- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-904

FDIMU Receives No Data from the ECB (59KD)

- 1. Possible Causes
 - ECB (59KD)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

DESIGNATION	
Test of the FDIMU (10TV)	
Removal of the FDIU/DMU (FDIMU) (10TV)	
Installation of the FDIU/DMU (FDIMU) (10TV)	
Self-Test of the ECB (59KD) (GTCP 36-300)	

3. Fault Confirmation

A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE : Make sure that the circuit breakers 5TV, 1KD, 2KD on the panel 121VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - ECB (59KD) / FDIMU (10TV)
 - (1) Do the self test of the ECB (Ref. AMM TASK 49-00-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the ECB (59KD) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01):

ECB Connector AB/K8 to FDIMU Connector AB/2G ECB Connector AB/K9 to FDIMU Connector AB/2H ECB Connector AB/E10 to Ground

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- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-905

FDIMU Receives No Data from the FCDC 1 (3CE1) or FCDC 2 (3CE2)

- 1. Possible Causes
 - FCDC-1 (3CE1)
 - FCDC-2 (3CE2)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 27-96-00-710-001 AMM 31-36-00-740-012 AMM 31-36-34-000-002 AMM 31-36-34-400-002 ASM 31-37/01	Operational Test of the FCDC Test of the FDIMU (10TV) Removal of the FDIU/DMU (FDIMU) (10TV) Installation of the FDIU/DMU (FDIMU) (10TV)	

3. Fault Confirmation

A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE : Make sure that the circuit breakers 5TV, 20CE2 on the panel 121VU and 20CE1 on the panel 49VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - FCDC1 (3CE1) / FDIMU (10TV) or
 - FCDC2 (3CE2) / FDIMU (10TV)
 - (1) Do the operational test of the FCDC (Ref. AMM TASK 27-96-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the FCDC-1 (3CE1) or FCDC-2 (3CE2) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01):

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FCDC 1 Connector AA/5E to FDIMU Connector AA/3C FCDC 1 Connector AA/5F to FDIMU Connector AA/3D or FCDC 2 Connector AB/5E to FDIMU Connector AB/3C FCDC 2 Connector AB/5F to FDIMU Connector AB/3D

- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-906

FDIMU Receives No Data from the FCU (2CA)

- 1. Possible Causes
 - FCU (2CA)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 22-96-00-710-001 AMM 31-36-00-740-012 AMM 31-36-34-000-002 AMM 31-36-34-400-002 ASM 31-37/01	Operational Test of the AFS Test of the FDIMU (10TV) Removal of the FDIU/DMU (FDIMU) (10TV) Installation of the FDIU/DMU (FDIMU) (10TV)	

3. Fault Confirmation

A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE : Make sure that the circuit breakers 5TV, 9CA2 on the panel 121VU and 9CA1 on the panel 49VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - FCU (2CA) / FDIMU (10TV)
 - (1) Do the operational test of the AFS (Ref. AMM TASK 22-96-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the FCU (2CA) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01):

FCU Connector A/DD to FDIMU Connector AA/5A FCU Connector A/EE to FDIMU Connector AA/5B FCU Connector A/FF to FDIMU Connector AB/5A

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FCU Connector A/GG to FDIMU Connector AB/5B

- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-907

FDIMU Receives No Data from the GPWC (1WZ)

- 1. Possible Causes
 - GPWC (1WZ)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-36-00-740-012 AMM 31-36-34-000-002 AMM 31-36-34-400-002 AMM 34-48-00-710-001 ASM 31-37/01	Test of the FDIMU (10TV) Removal of the FDIU/DMU (FDIMU) (10TV) Installation of the FDIU/DMU (FDIMU) (10TV) Operational Test of GPWS Ground Self-test Function

3. Fault Confirmation

A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE : Make sure that the circuit breakers 5TV, 2WZ, 3WZ on the panel 121VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - GPWC(1WZ) / FDIMU(10TV)
 - (1) Do the operational test of the Ground Proximity Warning System (Ref. AMM TASK 34-48-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the GPWC (1WZ) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01):

GPWC Connector AB/1C to FDIMU Connector AA/5C GPWC Connector AB/1D to FDIMU Connector AA/5D

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- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-908

FDIMU Receives No Data from the CFDS

- 1. Possible Causes
 - CFDIU (1TW)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-32-00-740-002	BITE Test of the Centralized Fault Display Interface	
		Unit (CFDIU)	
AMM	31-36-00-740-012	Test of the FDIMU (10TV)	
AMM	31-36-34-000-002	Removal of the FDIU/DMU (FDIMU) (10TV)	
AMM	31-36-34-400-002	Installation of the FDIU/DMU (FDIMU) (10TV)	
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- 3. Fault Confirmation
 - A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE: Make sure that the circuit breakers 5TV, 2TW, 8TW on the panel 121VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - CFDIU (1TW) / FDIMU (10TV)
 - (1) Do the BITE test of the Central Fault Display Interface System (CFDIU) (Ref. AMM TASK 31-32-00-740-002).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the CFDIU (1TW) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-36/01):

CFDIU Connector AA/2B to FDIMU Connector AB/5C

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CFDIU Connector AA/2C to FDIMU Connector AB/5D CFDIU Connector AB/3F to FDIMU Connector AA/11E CFDIU Connector AB/3G to FDIMU Connector AA/11F CFDIU Connector AB/11D to FDIMU Connector AB/4C CFDIU Connector AB/11E to FDIMU Connector AA/4D

- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-909

FDIMU Receives No Data from the FWC 1 (1WW1) or FWC 2 (1WW2)

- 1. Possible Causes
 - FWC-1 (1WW1)
 - FWC-2 (1WW2)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 31-36-00-740-012 AMM 31-36-34-000-002 AMM 31-36-34-400-002 AMM 31-50-00-710-001 ASM 31-37/01	Test of the FDIMU (10TV) Removal of the FDIU/DMU (FDIMU) (10TV) Installation of the FDIU/DMU (FDIMU) (10TV) Ground Scanning of the Central Warning System	

3. Fault Confirmation

A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE: Make sure that the circuit breakers 5TV, 2WW on the panel 121VU and 3WW on the panel 49VU are closed during the test.

4. Fault Isolation

- A. If the test gives the maintenance message:
 - FWC1 (1WW1) / FDIMU (10TV) or
 - FWC2 (1WW2) / FDIMU (10TV)
 - (1) Do the ground scanning of the central warning system (Ref. AMM TASK 31-50-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the FWC-1 (1WW1) or FWC-2 (1WW2) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01):

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FWC 1 Connector AB/12J to FDIMU Connector AA/6A FWC 1 Connector AB/12K to FDIMU Connector AA/6B or FWC 2 Connector AB/12J to FDIMU Connector AB/6A FWC 2 Connector AB/12K to FDIMU Connector AB/6B

- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-910

FDIMU Receives No Data from the DMC 1 (1WT1) or DMC 2 (1WT2)

- 1. Possible Causes
 - DMC-1 (1WT1)
 - DMC-2 (1WT2)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 31-36-00-740-012 AMM 31-36-34-000-002 AMM 31-36-34-400-002 AMM 31-60-00-710-001 ASM 31-37/01	Test of the FDIMU (10TV) Removal of the FDIU/DMU (FDIMU) (10TV) Installation of the FDIU/DMU (FDIMU) (10TV) Operational Test of the EIS	

3. Fault Confirmation

A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE: Make sure that the circuit breakers 5TV, 10WT2, 21WT2 on the panel 121VU and 10WT1, 21WT1 on the panel 49VU are closed during the

4. Fault Isolation

- A. If the test gives the maintenance message:
 - DMC1 (1WT1) / FDIMU (10TV) or
 - DMC2 (1WT2) / FDIMU (10TV)
 - (1) Do the operational test of the electronic instrument system (Ref. AMM TASK 31-60-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

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- (2) If the fault continues:
 - do a check and if necessary repair the wiring between the DMC-1 (1WT1) or DMC-2 (1WT2) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01):
 - DMC 1 Connector AB/1E to FDIMU Connector AA/6C DMC 1 Connector AB/1F to FDIMU Connector AA/6D or
 - DMC 2 Connector AB/1E to FDIMU Connector AB/6C DMC 2 Connector AB/1F to FDIMU Connector AB/6D
- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-911

FDIMU Receives No Data from the FAC 1 (1CC1) or FAC 2 (1CC2)

- 1. Possible Causes
 - FAC-1 (1CC1)
 - FAC-2 (1CC2)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 22-96-00-710-00 AMM 31-36-00-740-01 AMM 31-36-34-000-00 AMM 31-36-34-400-00 ASM 31-37/01	Test of the FDIMU (10TV) Removal of the FDIU/DMU (FDIMU) (10TV)

3. Fault Confirmation

A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE: Make sure that the circuit breakers 5TV, 5CC2, 14CC2 on the panel 121VU and 5CC1, 14CC1 on the panel 49VU are closed during the

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - FAC1 (1CC1) / FDIMU (10TV) or
 - FAC2 (1CC2) / FDIMU (10TV)
 - (1) Do the operational test of the flight augmentation system (Ref. AMM TASK 22-96-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

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- (2) If the fault continues:
 - do a check and if necessary repair the wiring between the FAC-1 (1CC1) or FAC-2 (1CC2) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01):
 - FAC 1 Connector AB/12J to FDIMU Connector AA/6E
 - FAC 1 Connector AB/12K to FDIMU Connector AA/6F

or

- FAC 2 Connector AB/12J to FDIMU Connector AB/6E
- FAC 2 Connector AB/12K to FDIMU Connector AB/6F
- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-912

FDIMU Receives No Data from the FQU (3QT)

- 1. Possible Causes
 - FQIC (3QT)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION	
AMM	28-42-00-740-001	Status Report (BITE)	
AMM	31-36-00-740-012	Test of the FDIMU (10TV)	
AMM	31-36-34-000-002	Removal of the FDIU/DMU (FDIMU) (10TV)	
AMM	31-36-34-400-002	Installation of the FDIU/DMU (FDIMU) (10TV)	
ASM	31-37/01		

3. Fault Confirmation

A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE : Make sure that the circuit breakers 5TV, 2QT, 8QT on the panel 121VU and 1QT on the panel 49VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - FQU (3QT) / FDIMU (10TV)
 - (1) Do the BITE test of the fuel quantity indicating computer (Ref. AMM TASK 28-42-00-740-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the FQIC (3QT) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01):

Fuel (FQU) Connector AB/4F to FDIMU Connector AA/2G Fuel (FQU) Connector AB/5F to FDIMU Connector AA/2H

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Fuel (FQU) Connector AB/6F to Ground

- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-913

FDIMU Receives No Data from the EVMU (2EV)

- 1. Possible Causes
 - EVMU (2EV)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		RENCE	DESIGNATION	
	A M M	74 74 00 740 043	Took of the ENTMIL (40TV)	
		31-36-00-740-012	Test of the FDIMU (10TV)	
	AMM	31-36-34-000-002	Removal of the FDIU/DMU (FDIMU) (10TV)	
	AMM	31-36-34-400-002	Installation of the FDIU/DMU (FDIMU) (10TV)	
	AMM	77-32-34-710-040	Operational Check of EVMU through CFDS	
	ASM	31-37/01		

- 3. Fault Confirmation
 - A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE: Make sure that the circuit breakers 5TV, 5CC2, 14CC2 on the panel 121VU and 5CC1, 14CC1 on the panel 49VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - EVMU (2EV) / FDIMU (10TV)
 - (1) Do the operational test of the engine vibration monitoring unit with the CFDS (Ref. AMM TASK 77-32-34-710-040).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the EVMU (2EV) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01):

EVMU Connector AA/13A to FDIMU Connector AA/2E

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EVMU Connector AA/13C to FDIMU Connector AA/2F

- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-914

FDIMU Receives No Data from the SFCC 1 (21CV) or SFCC 2 (22CV)

- 1. Possible Causes
 - SFCC-1 (21CV)
 - SFCC-2 (22CV)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM AMM AMM	27-54-00-710-001 31-36-00-740-012 31-36-34-000-002 31-36-34-400-002	Operational Test of the Flap System Test of the FDIMU (10TV) Removal of the FDIU/DMU (FDIMU) (10TV) Installation of the FDIU/DMU (FDIMU) (10TV)	
ASM	31-37/01		

3. Fault Confirmation

A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE: Make sure that the circuit breakers 5TV, 7CV, 8CV, 11CV, 12CV, 2CN on the panel 121VU and 1CN, 5CV, 6CV on the panel 49VU and 9CV, 10CV on the panel 122VU are closed during the test.

4. Fault Isolation

- A. If the test gives the maintenance message:
 - SFCC1 (21CV) / FDIMU (10TV) or
 - SFCC2 (22CV) / FDIMU (10TV)
 - (1) Do the operational test of the slat and flap control computer (Ref. AMM TASK 27-54-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

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- (2) If the fault continues:
 - do a check and if necessary repair the wiring between the SFCC-1 (21CV) or SFCC-2 (22CV) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01):

SFCC 1 Connector AB/4E to FDIMU Connector AA/3A SFCC 1 Connector AB/4F to FDIMU Connector AA/3B SFCC 2 Connector AB/4E to FDIMU Connector AB/3A SFCC 2 Connector AB/4F to FDIMU Connector AB/3B

- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-915

R FDIMU Receives No Data from the SDAC 1 (1WV1) or SDAC 2 (1WV2)

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - SDAC-2 (1WV2)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 31-36-00-740-012 AMM 31-36-34-000-002 AMM 31-36-34-400-002 AMM 31-50-00-710-001 ASM 31-37/01	Test of the FDIMU (10TV) Removal of the FDIU/DMU (FDIMU) (10TV) Installation of the FDIU/DMU (FDIMU) (10TV) Ground Scanning of the Central Warning System	

3. Fault Confirmation

R A. Make sure that this(these) circuit breaker(s) is(are) closed:

R						
R R	PANEL	DESIGNATION	IDENT.	LOCATION		
R	49VU	SDAC/1 AND 2/28VDC/ESS BUS	12WV	F05		
R	49VU	SDAC/1/SPLY	3WV	F04		
R	49VU	SDAC/2/26VAC SYNC/AC ESS BUS	6WV	F03		
R	49VU	SDAC/1/26VAC SYNC/AC ESS BUS	5WV	F02		
R	12 1VU	AIDS & RCDR/FDIMU	5TV	K15		
R	12 1VU	HYDRAULIC/HYD/QTY/IND	1831GQ	P35		
R	12 1VU	EIS/SDAC/2/SPLY	2WV	Q 06		
R	12 1VU	EIS/SDAC/2/BUS1/26VAC SYNC AC	10WV	Q05		
R	12 1VU	EIS/SDAC/1/BUS1/26VAC SYNC AC	9WV	Q04		
R	12 1VU	EIS/SDAC/1/BUS2/26VAC SYNC AC	7WV	Q03		
R	12 1VU	EIS/SDAC/2/BUS2/26VAC SYNC AC	8wv	Q 02		

R B. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

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4. Fault Isolation

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- A. If the test gives the maintenance message:
 - SDAC1 (1WV1) / FDIMU (10TV) or
 - SDAC2 (1WV2) / FDIMU (10TV)
 - (1) Do the ground scanning of the central warning system (Ref. AMM TASK 31-50-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the SDAC-1 (1WV1) or SDAC-2 (1WV2) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01):
 - SDAC 1 Connector AB/8J to FDIMU Connector AA/6G SDAC 1 Connector AB/8K to FDIMU Connector AA/6H or SDAC 2 Connector AB/8J to FDIMU Connector AB/6G SDAC 2 Connector AB/8K to FDIMU Connector AB/6H
 - (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-916

FDIMU Receives No Data from the ACARS-MU (1RB) or ATSU (1TX1)

- 1. Possible Causes
 - ATSU (1TX1)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM AMM	31-36-00-740-012 31-36-34-000-002 31-36-34-400-002 46-21-00-710-001 31-36/05	Test of the FDIMU (10TV) Removal of the FDIU/DMU (FDIMU) (10TV) Installation of the FDIU/DMU (FDIMU) (10TV) Operational Test of the ATSU

3. Fault Confirmation

A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE: Make sure that the circuit breakers 5TV, 5TX1 on the panel 121VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - ATSU (1TX1) / FDIMU (10TV)
 - (1) Do the operational test of the ATSU (Ref. AMM TASK 46-21-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and repair the wiring from the ATSU (1TX1) to the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-36/05):

ATSU Connector AA/1E to FDIMU Connector AB/5J ATSU Connector AA/1F to FDIMU Connector AB/5K ATSU Connector AB/8A to FDIMU Connector AB/11J

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ATSU Connector AB/8B to FDIMU Connector AB/11K

- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-917

FDIMU Receives No Data from the Printer (4TW)

- 1. Possible Causes
 - PRINTER (4TW)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-35-00-710-001 AMM 31-36-00-740-012 AMM 31-36-34-000-002 AMM 31-36-34-400-002 ASM 31-36/01	Operational Test of the Printer Test of the FDIMU (10TV) Removal of the FDIU/DMU (FDIMU) (10TV) Installation of the FDIU/DMU (FDIMU) (10TV)

3. Fault Confirmation

A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE: Make sure that the circuit breakers 5TV, 6TW on the panel 121VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - PRINTER (4TW) / FDIMU (10TV)
 - (1) Do the operational test of the printer (Ref. AMM TASK 31-35-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the PRINTER
 (4TW) and the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-36/01):

Printer Connector A/C to FDIMU Connector AA/11E Printer Connector A/D to FDIMU Connector AA/11F

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Printer Connector A/E to FDIMU Connector AA/11J Printer Connector A/F to FDIMU Connector AA/11K

- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-918

FDIMU Receives No Data from MCDU 1 (3CA1) or MCDU 2 (3CA2)

- 1. Possible Causes
 - MCDU-1 (3CA1)
 - MCDU-2 (3CA2)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 22-70-00-710-001	Operational Test of the Multipurpose Control and
AMM 31-36-00-740-012	Display Unit (MCDU) Test of the FDIMU (10TV)
AMM 31-36-34-000-002 AMM 31-36-34-400-002	Removal of the FDIU/DMU (FDIMU) (10TV) Installation of the FDIU/DMU (FDIMU) (10TV)
ASM 31-36/01	

3. Fault Confirmation

A. Do the FDIMU (10TV) fault monitoring test (Ref. AMM TASK 31-36-00-740-012).

NOTE : Make sure that the circuit breakers 5TV, 11CA1, 11CA2 on the panel 121VU and 11CA1 on the panel 49VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - MCDU1 (3CA1) / FDIMU (10TV)
 - MCDU2 (3CA2) / FDIMU (10TV)
 - (1) Do the operational test of the Flight Management System (Ref. AMM TASK 22-70-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.

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- (2) If the fault continues:
 - do a check and repair the wiring from the MCDU-1 (3CA1) or MCDU-2 (3CA2) to the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-36/01):

```
MCDU 1 Connector A/27 to FDIMU Connector AA/11A
MCDU 1 Connector A/28 to FDIMU Connector AA/11B
MCDU 1 Connector A/11 to FDIMU Connector AA/11E
MCDU 1 Connector A/12 to FDIMU Connector AA/11F
or
MCDU 2 Connector A/27 to FDIMU Connector AB/11A
MCDU 2 Connector A/28 to FDIMU Connector AB/11B
MCDU 2 Connector A/11 to FDIMU Connector AA/11E
MCDU 2 Connector A/12 to FDIMU Connector AA/11F
```

- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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TASK 31-36-00-810-919

FDIMU Receives No Data from the BSCU 1 or BSCU 2 (10GG)

- 1. Possible Causes
 - BSCU (10GG)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		RENCE	DESIGNATION
	AMM AMM	31-36-00-740-012 31-36-34-000-002 31-36-34-400-002 32-42-00-710-001 31-37/01	Test of the FDIMU (10TV) Removal of the FDIU/DMU (FDIMU) (10TV) Installation of the FDIU/DMU (FDIMU) (10TV) Operational Check of the Normal Braking System
	AMM AMM	31-36-34-000-002 31-36-34-400-002 32-42-00-710-001	Removal of the FDIU/DMU (FDIMU) (10TV) Installation of the FDIU/DMU (FDIMU) (10TV)

3. Fault Confirmation

A. Do the FDIMU (10TV) fault monitoring test (AIDS-part) (Ref. AMM TASK 31-36-00-740-012).

NOTE: Make sure that the circuit breakers 5TV, 5CC2, 14CC2 on the panel 121VU and 5CC1, 14CC1 on the panel 49VU are closed during the test.

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - BSCU1 (10GG) / FDIMU (10TV)
 - BSCU2 (10GG) / FDIMU (10TV)
 - (1) Do the operational test of the Normal Braking System (Ref. AMM TASK 32-42-00-710-001).
 - (a) If the test gives a different maintenance message, you can find the relatedtrouble shooting procedure in the applicable Page Block 201.
 - (2) If the fault continues:
 - do a check and repair the wiring from the BSCU (10GG) to the DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-37/01).

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- (3) If the fault continues:
 - replace the FDIMU (10TV) (Ref. AMM TASK 31-36-34-000-002) and (Ref. AMM TASK 31-36-34-400-002).
- B. Do the test given in para. 3.

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**ON A/C ALL

TASK 31-36-00-810-921

No AIDS Indication on MCDU1 or MCDU2

- 1. Possible Causes
 - DMU (1TV)
 - MCDU-1 (3CA1)
 - MCDU-2 (3CA2)
 - DMU/FDIU (FDIMU) (10TV)
 - AIDS-software
 - FDIMU (10TV) AIDS-software
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-36-00-710-001	Test of the DMU (1TV)
AMM 31-36-00-710-004	AIDS Software Load Procedure
AMM 31-36-00-710-013	FDIMU (10TV) AIDS Software Load Procedure
AMM 31-36-00-740-012	Test of the FDIMU (10TV)
TSM 31-36-00-810-801	DMU (1TV) Inoperative
TSM 31-36-00-810-865	DMU Receives No Data from MCDU 1 (3CA1) or MCDU 2
	(3CA2)
TSM 31-36-00-810-898	FDIMU (10TV) Inoperative
TSM 31-36-00-810-918	FDIMU Receives No Data from MCDU 1 (3CA1) or MCDU 2
	(3CA2)

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - A. Test
 - (1) Reset the DMU:
 - (a) Open this(these) circuit breaker(s): - 4TV.
 - (b) Wait for one minute.
 - (c) Close this(these) circuit breaker(s): - 4TV.

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EFF: ALL **SROS**

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- (2) If the AIDS indication shows on the MCDU, no maintenance action is necessary.
- (3) If the AIDS indication not shows on the MCDU, do the DMU fault monitoring test (Ref. AMM TASK 31-36-00-710-001).

**ON A/C 254-275, 451-475,

A. Test

- (1) Reset the DMU:
 - (a) Open this(these) circuit breaker(s):
 5TV.
 - (b) Wait for one minutes.
 - (c) Close this(these) circuit breaker(s):
 5TV.
- (2) If the AIDS indication shows on the MCDU, no maintenance action is necessary.
- (3) If the AIDS indication not shows on the MCDU, do the FDIMU fault monitoring test (AIDS part) (Ref. AMM TASK 31-36-00-740-012).

**ON A/C ALL

4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

A. Procedure

- (1) If the test gives a message related to a DMU failure:
 - Do the troubleshooting procedure of the DMU (1TV) (Ref. TSM TASK 31-36-00-810-801).
- (2) If the test gives the message MCDU1 (3CA1)/DMU (1TV) and/or MCDU2 (3CA2)/DMU (1TV):
 - Do the troubleshooting procedure of the connection between the MCDU-1 (3CA1) and/or MCDU-2 (3CA2) and the DMU (Ref. TSM TASK 31-36-00-810-865).
- (3) If the fault continues:
 - Do the AIDS-software load procedure (Ref. AMM TASK 31-36-00-710-004).

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**ON A/C 254-275, 451-475,

A. Procedure

- (1) If the test gives a message related to a FDIMU failure:
 - Do the troubleshooting procedure of the DMU/FDIU (FDIMU) (10TV) (Ref. TSM TASK 31-36-00-810-898).
- (2) If the test gives the message MCDU1 (3CA1)/FDIMU (10TV) and/or MCDU2 (3CA2)/FDIMU (10TV):
 - Do the troubleshooting procedure of the connection between the MCDU-1 (3CA1) and/or MCDU-2 (3CA2) and the FDIMU (Ref. TSM TASK 31-36-00-810-918).
- (3) If the fault continues:
 - Do the FDIMU (10TV) AIDS-software load procedure (Ref. AMM TASK 31-36-00-710-013).

**ON A/C ALL

B. Do the test given in Para. 3 again.

EFF: ALL

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TROUBLE SHOOTING MANUAL

AIDS INTERCONNECTION ((FDIMU, DAR)) - TASK SUPPORTING DATA

1. General R R

The block diagrams that follow give you a logical view of the system/sub-system to help you do the related trouble shooting procedures.

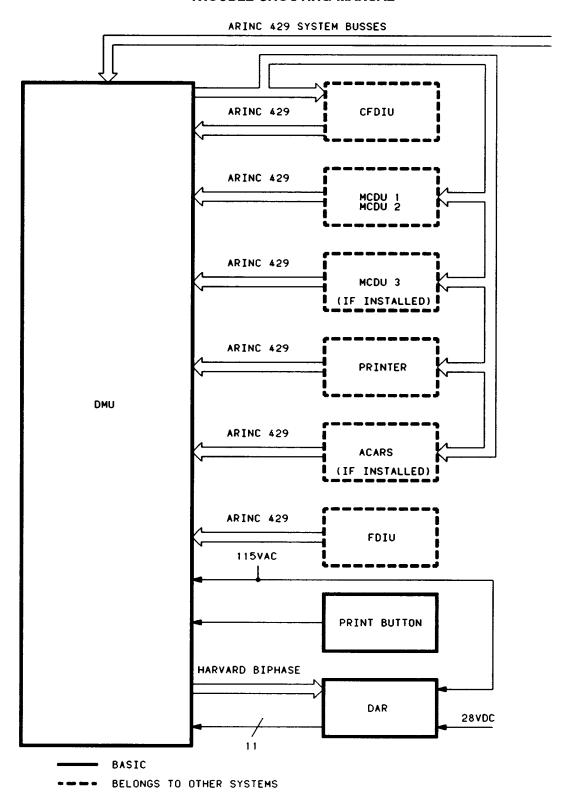
R

EFF: ALL SROS

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AIDS System Block Diagram Figure 301

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R EFF: 201-225, 227-227, 229-245, 252-253, 276-299, 426-450, 476-499, 701-749, SROS

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BANO 00

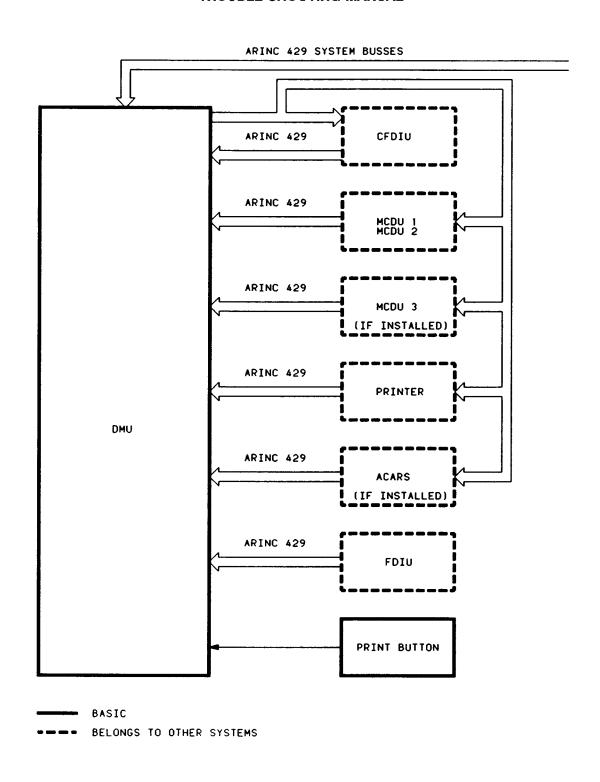
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AIDS System Block Diagram Figure 301A

R EFF: 247-251, 503-549, 551-599,
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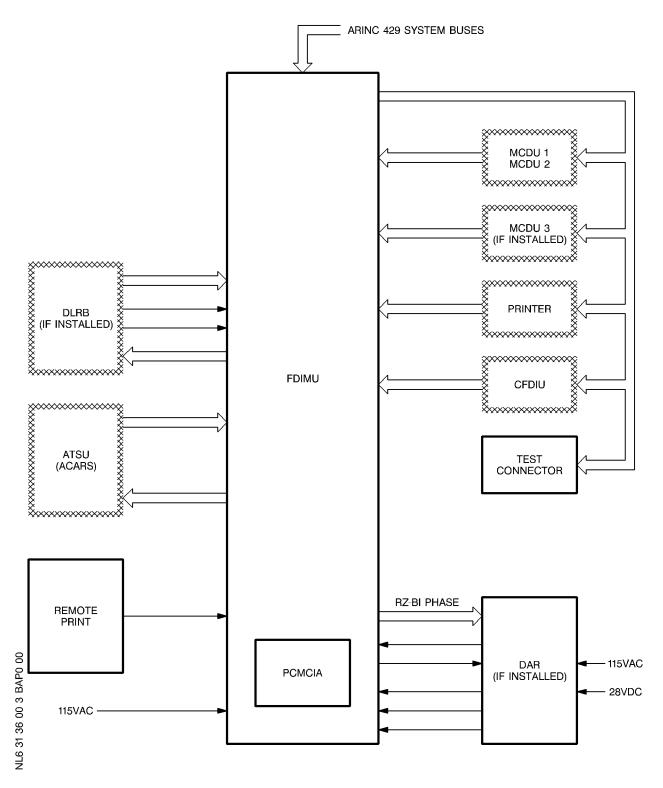
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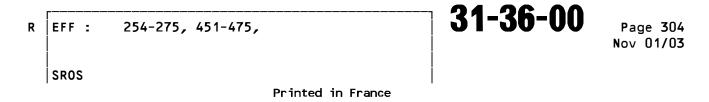
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AIDS System Block Diagram Figure 301B



TROUBLE SHOOTING MANUAL

UP AND DOWN DATA LOADING SYSTEM ACQUISITION/INTERFACE AND EQUIPMENT (DLRB, DLS) FAULT ISOLATION PROCEDURES

TASK 31-38-00-810-801

Internal Failure of the Data Loading Routing Box

- 1. Possible Causes
 - ROUTING BOX-DATA LOADING (102TD)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION
R	AMM	31-38-34-000-001	Removal of the Data Loading Routing Box (DLRB)
R R R	AMM	31-38-34-400-001	Installation of the Data Loading Routing Box (DLRB) (102TD)

- 3. Fault Confirmation
 - A. Not applicable, the fault is evident.
- 4. Fault Isolation
 - A. If the fault symptom is identified by the crew observation:

name of the LRU and CHAN FAIL indication on the display of the Data Loading Selector.

- replace the ROUTING BOX-DATA LOADING (102TD) (Ref. AMM TASK 31-38-34-000-001) and (Ref. AMM TASK 31-38-34-400-001).
- B. Test

 On the overhead panel, on the On the display of the Data Loading Data Loading Selector: - set the ON/OFF switch to ON

Selector:

- DB/N: **PUSH NEXT/PREV**

indication is shown.

2. On the overhead panel, on the Data Loading Selector:

On the Data Loading Selector: - each time you push one of these keys:

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ACTION RESULT

 push PREV or NEXT key as many times as necessary to get all the LRUs the name of an LRU (example: FMGC1) and the NOT SELECTED indication are shown on the display.

 ${\underline{\mathtt{NOTE}}}$: The CHAN FAIL indication must

not come into view.

EFF: ALL 31-38-00

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TROUBLE SHOOTING MANUAL

TASK 31-38-00-810-802

Loss of the DLRB Signal to the FMGC1

- 1. Possible Causes
 - ROUTING BOX-DATA LOADING (102TD)
 - FMGC-1 (1CA1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
R	AMM	22-70-00-610-008	Uploading of the FM Data	
R	AMM	31-38-34-000-001	Removal of the Data Loading Routing Box (DLRB)	
R			(102TD)	
R	AMM	31-38-34-400-001	Installation of the Data Loading Routing Box (DLRB)	
R			(102TD)	
	ASM	31-38/01		

- 3. Fault Confirmation
 - A. Do the loading of the correct data base of the FMGC (Ref. AMM TASK 22-70-00-610-008).
- 4. Fault Isolation
 - A. If the fault is identified by the crew observation:

FMGC1 uploading is not possible.

- (1) Do a check for of the aircraft wiring between the ROUTING BOX-DATA LOADING (102TD) and FMGC-1 (1CA1) (Ref. ASM 31-38/01):
 - (a) pin B/50, 49 (102TD) to pin AB/11F, 11G (1CA1).
 - (b) pin A/50, 17 (102TD) to pin AA/12F, 12G (1CA1).
 - (c) pin A/33 (102TD) to pin AA/5A (1CA1).
- (2) if the fault continues:
 - replace the ROUTING BOX-DATA LOADING (102TD) (Ref. AMM TASK 31-38-34-000-001) and (Ref. AMM TASK 31-38-34-400-001).
- B. Do the test given in Para. 3.A.

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

TASK 31-38-00-810-803

Loss of the DLRB Signal to the FMGC2

- 1. Possible Causes
 - ROUTING BOX-DATA LOADING (102TD)
 - FMGC-2 (1CA2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R R		22-70-00-610-008 31-38-34-000-001	Uploading of the FM Data Removal of the Data Loading Routing Box (DLRB)
R R R	AMM	31-38-34-400-001	(102TD) Installation of the Data Loading Routing Box (DLRB) (102TD)
	ASM	31-38/01	

- 3. Fault Confirmation
 - A. Do the loading of the correct data base of the FMGC (Ref. AMM TASK 22-70-00-610-008).
- 4. Fault Isolation
 - A. If the fault is identified by the crew observation:

FMGC2 uploading is not possible.

- (1) Do a check for of the aircraft wiring between the ROUTING BOX-DATA LOADING (102TD) and FMGC-2 (1CA2) (Ref. ASM 31-38/01):
 - (a) pin D/50, 49 (102TD) to pin AB/11F, 11G (1CA2).
 - (b) pin C/50, 17 (102TD) to pin AA/12F, 12G (1CA2).
 - (c) pin C/33 (102TD) to pin AA/5A (1CA2).
- (2) if the fault continues:
 - replace the ROUTING BOX-DATA LOADING (102TD) (Ref. AMM TASK 31-38-34-000-001) and (Ref. AMM TASK 31-38-34-400-001).
- B. Do the test given in Para. 3.A.

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R **ON A/C 201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549, R 551-557, 701-749,

TASK 31-38-00-810-804

Loss of the DLRB Signal to the ACARS DU

- 1. Possible Causes
 - ROUTING BOX-DATA LOADING (102TD)
 - MU-ACARS (1RB)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DECICNATION
		DESIGNATION
AMM	31-38-34-000-001	Removal of the Data Loading Routing Box (DLRB) (102TD)
AMM	31-38-34-400-001	Installation of the Data Loading Routing Box (DLRB) (102TD)
ASM	31-38/01	

- 3. Fault Confirmation
 - A. Do the loading of the correct data base of the MU-ACARS (Ref. AMM 23-24-00, P. Block 301).
- 4. Fault Isolation
 - A. If the fault is identified by the crew observation:

ACARS uploading is not possible.

- (1) Do a check for of the aircraft wiring between the ROUTING BOX-DATA LOADING (102TD) and MU-ACARS (1RB) (Ref. ASM 31-38/01):
 - (a) pin B/16, 32 (102TD) to pin AA/6F, 6G (1RB).
 - (b) pin A/48, 15 (102TD) to pin AA/5D, 5E (1RB).
 - (c) pin A/31 (102TD) to pin AA/5E (1RB).
- (2) if the fault continues:
 - replace the ROUTING BOX-DATA LOADING (102TD) (Ref. AMM TASK 31-38-34-000-001) and (Ref. AMM TASK 31-38-34-400-001).

EFF: 201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549, 551-557, 701-749,

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B. Do the test given in Para. 3.A.

EFF: 201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549, 551-557, 701-749,

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**ON A/C ALL

TASK 31-38-00-810-805

Loss of the DLRB Signal to the CFDIU

- 1. Possible Causes
 - ROUTING BOX-DATA LOADING (102TD)
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	31-32-00-600-001	Uploading of the Maintenance Filter Data Base to the CFDIU with the Portable Data Loader (SFIM)	
R R	AMM	31-38-34-000-001	Removal of the Data Loading Routing Box (DLRB) (102TD)	
R R	AMM	31-38-34-400-001	<pre>Installation of the Data Loading Routing Box (DLRB) (102TD)</pre>	
	ASM	31-38/01		

- 3. Fault Confirmation
 - A. Do the loading of the correct maintenance filter data base of the CFDIU (Ref. AMM TASK 31-32-00-600-001).
- 4. Fault Isolation
 - A. If the fault is identified by the crew observation:

CFDIU uploading is not possible.

- (1) Do a check for of the aircraft wiring between the ROUTING BOX-DATA LOADING (102TD) and CFDIU (1TW) (Ref. ASM 31-38/01):
 - (a) pin B/3 (102TD) to pin AA/7A (1TW).
 - (b) pin A/44 (102TD) to pin AB/11K (1TW).
 - (c) pin B/4 (102TD) to pin AA/9A (1TW).

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- (2) Do a check of the aircraft wiring between the portable data loader plug connector and CFDIU (1TW) (Ref. ASM 31-38/01):
 - pin 2137VC/24, 25 to pin AA/9F, 9G (1TW).
 - pin 2137VC/12, 13 to pin AA/11F, 11G (1TW).
- (3) if the fault continues:
 - replace the ROUTING BOX-DATA LOADING (102TD) (Ref. AMM TASK 31-38-34-000-001) and (Ref. AMM TASK 31-38-34-400-001).
- B. Do the test given in Para. 3.A.

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R **ON A/C 201-225, 227-227, 229-245, 254-286, 426-429, 451-480, 503-549,

R 551-599, 701-749,

TASK 31-38-00-810-806

Loss of the DLRB Signal to the DMU

- 1. Possible Causes
 - ROUTING BOX-DATA LOADING (102TD)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	_
AMM 74 70 7/ 000		
AMM 31-38-34-000	O1 Removal of the Data Loading Routing Box (DLRB) (102TD)	
AMM 31-38-34-400	O1 Installation of the Data Loading Routing Box (DLRB) (102TD)	
ASM 31-38/01		

- 3. Fault Confirmation
 - A. Do the loading of the correct data base of the DMU (Ref. AMM 31-36-00, P. Block 201).
- 4. Fault Isolation
 - A. If the fault is identified by the crew observation:

DMU uploading is not possible.

- (1) Do a check for of the aircraft wiring between the ROUTING BOX-DATA LOADING (102TD) and DMU (1TV) (Ref. ASM 31-38/01):
 - A/32 (102TD) to pin AA/14G (1TV).
- (2) Do a check for of the aircraft wiring between the DMU (1TV) and the ROUTING BOX-DATA LOADING (102TD):
 - (a) pin AB/11C, 11D (1TV) to the pin A/ 49, 16 (102TD).
 - (b) pin AA/11C, 11D (1TV) to the pin B/ 17, 33 (102TD).

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- (3) if the fault continues:
 - replace the ROUTING BOX-DATA LOADING (102TD) (Ref. AMM TASK 31-38-34-000-001) and (Ref. AMM TASK 31-38-34-400-001).
- B. Do the test given in Para. 3.A.

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R **ON A/C 247-275, 287-299, 429-475, 479-499, 503-549, 551-599,

TASK 31-38-00-810-807

Loss of the DLRB Signal to the TCAS

- 1. Possible Causes
 - ROUTING BOX-DATA LOADING (102TD)
 - CMPTR-TCAS (1SG)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R R	AMM	31-38-34-000-001	Removal of the Data Loading Routing Box (DLRB) (102TD)
R R	AMM	31-38-34-400-001	<pre>Installation of the Data Loading Routing Box (DLRB) (102TD)</pre>
	AMM	34-43-00-610-001	Uploading Procedure with Portable Data Loader (SFIM or equivalent) to Load the Operational Software of the TCAS
	ASM	31-38/01	

- 3. Fault Confirmation
 - A. Do the loading of the correct data base of the TCAS (Ref. AMM TASK 34-43-00-610-001).
- 4. Fault Isolation

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A. If the fault is identified by the crew observation:

TCAS uploading is not possible.

- (1) Do a check for of the aircraft wiring between the ROUTING BOX-DATA LOADING (102TD) and CMPTR-TCAS (1SG) (Ref. ASM 31-38/01):
 - (a) pin B/48, 15 (102TD) to pin AE/9A, 9B (1SG).
 - (b) pin A/47, 14 (102TD) to pin AE/8A, 8B (1SG).
 - (c) pin A/30 (102TD) to pin AE/6A (1SG).

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- (2) if the fault continues:
 - replace the ROUTING BOX-DATA LOADING (102TD) (Ref. AMM TASK 31-38-34-000-001) and (Ref. AMM TASK 31-38-34-400-001).
- B. Do the test given in Para. 3.A.

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R **ON A/C 247-275, 429-475, 479-499, 503-549, 551-599,

TASK 31-38-00-810-808

DLRB Uploading not Possible

- 1. Possible Causes
 - ROUTING BOX-DATA LOADING (102TD)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION
	AMM	31-38-00-610-021	Uploading Procedure
R		31-38-34-000-001	Removal of the Data Loading Routing Box (DLRB)
R R R	AMM	31-38-34-400-001	<pre>(102TD) Installation of the Data Loading Routing Box (DLRB) (102TD)</pre>

3. Fault Confirmation

A. Do the loading of the correct data base of the DLRB (Ref. AMM TASK 31-38-00-610-021).

4. Fault Isolation

- A. If the fault is identified by the crew observation:
 - the uploading of the DLRB is not possible.

Replace ROUTING BOX-DATA LOADING (102TD) (Ref. AMM TASK 31-38-34-000-001) and (Ref. AMM TASK 31-38-34-400-001).

B. Do the test given in Para. 3.A.

EFF: 247-275, 429-475, 479-499, 503-549, 551-599,

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R **ON A/C 247-275, 287-299, 429-475, 479-499, 503-549, 551-599,

TASK 31-38-00-810-809

Failure of the MDDU

- 1. Possible Causes
 - MDDU
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-38-22-000-001 Removal of the MDDU (1TD) AMM 31-38-22-400-001 Installation of the MDDU (1TD)

3. Fault Confirmation

A. Not applicable, the fault is evident.

- 4. Fault Isolation
 - A. If the fault is identified by the crew observation:

UNIT FAIL is displayed on the MDDU display

- replace the MDDU (Ref. AMM TASK 31-38-22-000-001) and (Ref. AMM TASK 31-38-22-400-001).

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TASK 31-38-00-810-810

Loss of the Signal between the DLRB and the DLS

- 1. Possible Causes
 - ROUTING BOX-DATA LOADING (102TD)
 - SELECTOR-DATA LOADING (101TD)
 - MDDU (1TD)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	31-38-21-000-001	Removal of the Data Loading Selector (101TD)	
	AMM	31-38-21-400-001	Installation of the Data Loading Selector (101TD)	
R R	AMM	31-38-34-000-001	Removal of the Data Loading Routing Box (DLRB) (102TD)	
R R	AMM	31-38-34-400-001	<pre>Installation of the Data Loading Routing Box (DLRB) (102TD)</pre>	
	ASM	31-38/01		

- 3. Fault Confirmation
 - A. Not applicable, the fault is evident.
- 4. Fault Isolation
 - A. If the fault is identified by the crew observation:

UP-LOADING ERROR indication on the display of the Data Loading Selector

- (1) if the fault continues:
 - replace the ROUTING BOX-DATA LOADING (102TD) (Ref. AMM TASK 31-38-34-000-001) and (Ref. AMM TASK 31-38-34-400-001).
- (2) if the fault continues:
 - replace the SELECTOR-DATA LOADING (101TD) (Ref. AMM TASK 31-38-21-000-001) and (Ref. AMM TASK 31-38-21-400-001).
- (3) Do a check for of the aircraft wiring between the ROUTING BOX-DATA LOADING (102TD) and MDDU (1TD) (Ref. ASM 31-38/01):
 - (a) pin B/19, 35 (102TD) to pin A/1, 2 (1TD).

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- (b) pin B/18, 34 (102TD) to pin A/8, 9 (1TD).
- (c) pin B/2 (102TD) to pin A/18 (1TD).
- (d) pin B/23 (102TD) to pin A/50 (1TD).
- (e) pin B/22 (102TD) to pin A/51 (1TD).
- (f) pin B/21 (102TD) to pin A/52 (1TD).
- (g) pin B/20 (102TD) to pin A/53 (1TD).

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TASK 31-38-00-810-811

Internal Failure of the DLRB

- 1. Possible Causes
 - ROUTING BOX-DATA LOADING (102TD)
 - CFDIU (1TW)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION
R		31-38-00-740-001 31-38-34-000-001	BITE Test of the Data Loading Routing Box (DLRB) Removal of the Data Loading Routing Box (DLRB)
R	Ailii	31 30 34 000 001	(102TD)
R R	AMM	31-38-34-400-001	<pre>Installation of the Data Loading Routing Box (DLRB) (102TD)</pre>
	ASM	31-38/01	

- 3. Fault Confirmation
 - A. Do the BITE Test of the DLRB (Ref. AMM TASK 31-38-00-740-001).
- 4. Fault Isolation
 - A. If the test gives the message:
 - DLRB(102TD)/DLS(101TD)
 - (1) replace the ROUTING BOX-DATA LOADING (102TD) (Ref. AMM TASK 31-38-34-000-001) and (Ref. AMM TASK 31-38-34-400-001).
 - (2) If the fault continues:

Do a check for of the aircraft wiring between the ROUTING BOX-DATA LOADING (102TD) and CFDIU (1TW) (Ref. ASM 31-38/01):

- (a) pin B/3 (102TD) to pin AA/7A (1TW).
- (b) pin A/44 (102TD) to pin AB/11K (1TW).
- (c) pin B/4 (102TD) to pin AA/9A (1TW).
- B. Do the test given in Para. 3.

EFF: 247-275, 287-299, 429-475, 479-499, 503-549, 551-599,

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TROUBLE SHOOTING MANUAL

R **ON A/C 247-275, 287-299, 429-475, 481-499, 557-599,

TASK 31-38-00-810-812

Loss of the DLRB Signal to the ATSU

- 1. Possible Causes
 - MDDU (1TD)
 - ATSU (1TX1)
 - ROUTING BOX-DATA LOADING (102TD)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		RENCE	DESIGNATION	
_				
R R	AMM	31-38-34-000-001	Removal of the Data Loading Routing Box (DLRB) (102TD)	
R R	AMM	31-38-34-400-001	Installation of the Data Loading Routing Box (DLRB) (102TD)	
	ASM	31-38/01		

- 3. Fault Confirmation
 - A. Do the loading of the correct data base of the ATSU (Ref. AMM 46-21-00, P. Block 301).
- 4. Fault Isolation
 - A. If the fault is identified by the crew observation:

ATSU uploading is not possible.

- (1) Do a check for of the aircraft wiring between the MDDU (1TD) and ATSU (1TX1) (Ref. ASM 31-38/01):
 - (a) pin A/24, 25 (1TD) to pin AA/8J, 8K (1TX1).
 - (b) pin A/31, 32 (1TD) to pin AA/1A, 1B (1TX1).
- (2) Do a check for of the aircraft wiring between the ROUTING BOX-DATA LOADING (102TD) and ATSU (1TX1) (Ref. ASM 31-38/01):
 - pin A/11 (102TD) to pin AA/14F (1TX1).

EFF: 247-275, 287-299, 429-475, 481-499, 557-599,

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- (3) if the fault continues:
 - replace the ROUTING BOX-DATA LOADING (102TD) (Ref. AMM TASK 31-38-34-000-001) and (Ref. AMM TASK 31-38-34-400-001).
- B. Do the test given in Para. 3.A.

EFF: 247-275, 287-299, 429-475, 481-499, 557-599, SROS

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R **ON A/C 503-549, 551-599,

TASK 31-38-00-810-813

Loss of the DLRB Signal to the SATCOM

- 1. Possible Causes
 - SDU (105RV1)
 - ROUTING BOX-DATA LOADING (102TD)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION
	AMM	23-28-00-610-001	Uploading of the USER ORT part of the SATCOM software with the portable data loader (SFIM) (or equivalent)
R R R	AMM	31-38-34-000-001	Removal of the Data Loading Routing Box (DLRB) (102TD)
	AMM	31-38-34-400-001	Installation of the Data Loading Routing Box (DLRB) (102TD)
	ASM	31-38/01	

- 3. Fault Confirmation
- R **ON A/C 503-549, 551-599,
- R Post SB 31-1149 For A/C 503-549,551-555,
 - A. Do the uploading procedure of the SATCOM (Ref. AMM TASK 23-28-00-610-001).

EFF: 503-549, 551-599, 31-38-00

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- R **ON A/C 503-549, 551-599,
 - 4. Fault Isolation
- R **ON A/C 503-549, 551-599,
- R Post SB 31-1149 For A/C 503-549,551-555,
 - A. If the fault is identified by the crew observation:

SATCOM uploading is not possible.

- (1) Do a check for of the aircraft wiring between the SDU (105RV1) ROUTING BOX-DATA LOADING (102TD) and (Ref. ASM 31-38/01):
 - (a) pin A/43, 10 (102TD) to pin MP/7A, 7B (105RV1).
 - (b) pin B/29, 45 (102TD) to pin MP/7C, 7D (105RV1).
 - (c) pin A/26 (102TD) to pin MP/8A (105RV1).
- (2) if the fault continues:
 - replace the ROUTING BOX-DATA LOADING (102TD) (Ref. AMM TASK 31-38-34-000-001) and (Ref. AMM TASK 31-38-34-400-001).
- B. Do the test given in Para. 3.A.

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EFF: 503-549, 551-599,

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R **ON A/C 247-275, 287-299, 429-475, 479-499, 503-549, 551-599,

TASK 31-38-00-810-814

Loss of the MDDU

- 1. Possible Causes
 - MDDU (1TD)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-38-00-740-002 AMM 31-38-22-000-001 AMM 31-38-22-400-001	BITE Test of the Multipurpose Disk Drive Unit (MDDU) Removal of the MDDU (1TD) Installation of the MDDU (1TD)

- 3. Fault Confirmation
 - A. Do the BITE test of the Multipurpose Disk Drive Unit (MDDU) (Ref. AMM TASK 31-38-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message MDDU (1TD):
 - replace the MDDU (1TD) (Ref. AMM TASK 31-38-22-000-001) and (Ref. AMM TASK 31-38-22-400-001).
 - B. Do the test given in Para. 3.A.

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TASK 31-38-00-810-815

Loss of the MDDU Interface with the DLRB

- 1. Possible Causes
 - MDDU (1TD)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-38-00-740-002 AMM 31-38-22-000-001 AMM 31-38-22-400-001 ASM 31-38/01	BITE Test of the Multipurpose Disk Drive Unit (MDDU) Removal of the MDDU (1TD) Installation of the MDDU (1TD)

3. Fault Confirmation

A. Do the BITE test of the Multipurpose Disk Drive Unit (MDDU) (Ref. AMM TASK 31-38-00-740-002).

4. Fault Isolation

- A. If the test gives the maintenance message MDDU(1TD) BUS1:
 - (1) Replace the MDDU (1TD) (Ref. AMM TASK 31-38-22-000-001) and (Ref. AMM TASK 31-38-22-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the MDDU(1TD) connector A/1, 2 to the DLRB (102TD) connector B/19, 35 (Ref. ASM 31-38/01).
- B. Do the test given in Para. 3.A.

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TASK 31-38-00-810-816

Loss of the MDDU Interface

- 1. Possible Causes
 - MDDU (1TD)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-38-00-740-002 AMM 31-38-22-000-001 AMM 31-38-22-400-001 ASM 31-38/01	BITE Test of the Multipurpose Disk Drive Unit (MDDU) Removal of the MDDU (1TD) Installation of the MDDU (1TD)

3. Fault Confirmation

A. Do the BITE test of the Multipurpose Disk Drive Unit (MDDU) (Ref. AMM TASK 31-38-00-740-002).

4. Fault Isolation

- A. If the test gives the maintenance message MDDU(1TD) BUS3:
 - (1) Replace the MDDU (1TD) (Ref. AMM TASK 31-38-22-000-001) and (Ref. AMM TASK 31-38-22-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the MDDU (1TD) connector A/24, 25 to the first terminal block 1813VT (Ref. ASM 31-38/01).
- B. Do the test given in Para. 3.A.

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TROUBLE SHOOTING MANUAL

TASK 31-38-00-810-817

Invalid Disk in the Disk Drive

- 1. Possible Causes
 - MDDU (1TD)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-38-00-740-002 31-38-22-000-001 31-38-22-400-001	BITE Test of the Multipurpose Disk Drive Unit (MDDU) Removal of the MDDU (1TD) Installation of the MDDU (1TD)

- 3. Fault Confirmation
 - A. Do the BITE test of the Multipurpose Disk Drive Unit (MDDU) (Ref. AMM TASK 31-38-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DISK/MDDU(1TD):
 - (1) Eject the disk from the disk drive of the MDDU.
 - (2) Put the correct disk into the disk drive, the label in the forward direction.
 - (3) If the fault continues:
 - replace the MDDU (1TD) (Ref. AMM TASK 31-38-22-000-001) and (Ref. AMM TASK 31-38-22-400-001).
 - B. Do the test given in Para. 3.A.

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TROUBLE SHOOTING MANUAL

TASK 31-38-00-810-818

Loss of the MDDU Interface with the CFDIU

- 1. Possible Causes
 - MDDU (1TD)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		RENCE	DESIGNATION
	AMM	31-38-00-740-002	BITE Test of the Multipurpose Disk Drive Unit (MDDU)
	AMM	31-38-22-000-001	Removal of the MDDU (1TD)
	AMM	31-38-22-400-001	Installation of the MDDU (1TD)
	ASM	31-38/01	

3. Fault Confirmation

A. Do the BITE test of the Multipurpose Disk Drive Unit (MDDU) (Ref. AMM TASK 31-38-00-740-002).

4. Fault Isolation

- A. If the test gives the maintenance message CFDIU(1TW)/MDDU(1TD):
 - (1) Replace the MDDU (1TD) (Ref. AMM TASK 31-38-22-000-001) and (Ref. AMM TASK 31-38-22-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the MDDU (1TD) connector A/24, 25 to the first terminal block 1813VT (Ref. ASM 31-38/01).
- B. Do the test given in Para. 3.A.

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TROUBLE SHOOTING MANUAL

TASK 31-38-00-810-819

Loss of the MDDU Interface with the DMU

- 1. Possible Causes
 - MDDU (1TD)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		RENCE	DESIGNATION
	AMM	31-38-00-740-002	BITE Test of the Multipurpose Disk Drive Unit (MDDU)
	AMM	31-38-22-000-001	Removal of the MDDU (1TD)
	AMM	31-38-22-400-001	Installation of the MDDU (1TD)
	ASM	31-38/01	

3. Fault Confirmation

A. Do the BITE test of the Multipurpose Disk Drive Unit (MDDU) (Ref. AMM TASK 31-38-00-740-002).

4. Fault Isolation

- A. If the test gives the maintenance message DMU(1TV)/MDDU(1TD):
 - (1) Replace the MDDU (1TD) (Ref. AMM TASK 31-38-22-000-001) and (Ref. AMM TASK 31-38-22-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the MDDU (1TD) connector A/24, 25 to the first terminal block 1813VT (Ref. ASM 31-38/01).
- B. Do the test given in Para. 3.A.

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TROUBLE SHOOTING MANUAL

TASK 31-38-00-810-820

Loss of the MDDU Interface with the ATSU

- 1. Possible Causes
 - MDDU (1TD)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		RENCE	DESIGNATION
	AMM	31-38-00-740-002	BITE Test of the Multipurpose Disk Drive Unit (MDDU)
	AMM	31-38-22-000-001	Removal of the MDDU (1TD)
	AMM	31-38-22-400-001	Installation of the MDDU (1TD)
	ASM	31-38/01	

3. Fault Confirmation

A. Do the BITE test of the Multipurpose Disk Drive Unit (MDDU) (Ref. AMM TASK 31-38-00-740-002).

4. Fault Isolation

- A. If the test gives the maintenance message ATSU(1TX1)/MDDU(1TD):
 - (1) Replace the MDDU (1TD) (Ref. AMM TASK 31-38-22-000-001) and (Ref. AMM TASK 31-38-22-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the MDDU (1TD) connector A/24, 25 to the first terminal block 1813VT (Ref. ASM 31-38/01).
- B. Do the test given in Para. 3.A.

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TROUBLE SHOOTING MANUAL

**ON A/C 254-275, 451-475,

TASK 31-38-00-810-821

Loss of the DLRB signal to the FDIMU (FDIU Part)

- 1. Possible Causes
 - ROUTING BOX-DATA LOADING (102TD)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
	AMM	31-33-00-710-013	FDIMU (10TV) DFDRS Software Load Procedure
R R	AMM	31-38-34-000-001	Removal of the Data Loading Routing Box (DLRB) (102TD)
R R	AMM	31-38-34-400-001	<pre>Installation of the Data Loading Routing Box (DLRB) (102TD)</pre>
	ASM	31-38/01	

- 3. Fault Confirmation
 - A. Load the DFDRS software of the FDIMU (Ref. AMM TASK 31-33-00-710-013).
- 4. Fault Isolation
 - A. If the fault is identified by the crew observation:

FDR SYS uploading is not possible.

- (1) Do a check for of the aircraft wiring between the ROUTING BOX-DATA LOADING (102TD) and DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-38/01):
 - A/25 (102TD) to pin AA/14F (10TV).
- (2) Do a check for of the aircraft wiring between the DMU/FDIU (FDIMU) (10TV) and the ROUTING BOX-DATA LOADING (102TD):
 - (a) pin AA/12J, 12K (10TV) to the pin B/12, 28 (102TD).
 - (b) pin AB/12C, 12D (10TV) to the pin A/42, 9 (102TD).

EFF: 254-275, 451-475,

31-38-00

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TROUBLE SHOOTING MANUAL

- (3) if the fault continues:
 - replace the ROUTING BOX-DATA LOADING (102TD) (Ref. AMM TASK 31-38-34-000-001) and (Ref. AMM TASK 31-38-34-400-001).
- B. Do the test given in Para. 3.A.

EFF: 254-275, 451-475,

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TASK 31-38-00-810-822

Loss of the DLRB signal to the FDIMU (DMU Part)

- 1. Possible Causes
 - ROUTING BOX-DATA LOADING (102TD)
 - DMU/FDIU (FDIMU) (10TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
	AMM	31-36-00-710-013	FDIMU (10TV) AIDS Software Load Procedure
R R		31-38-34-000-001	Removal of the Data Loading Routing Box (DLRB) (102TD)
R R	AMM	31-38-34-400-001	<pre>Installation of the Data Loading Routing Box (DLRB) (102TD)</pre>
	ASM	31-38/01	

- 3. Fault Confirmation
 - A. Load the AIDS software of the FDIMU (Ref. AMM TASK 31-36-00-710-013).
- 4. Fault Isolation
 - A. If the fault is identified by the crew observation:

ACMS uploading is not possible.

- (1) Do a check for of the aircraft wiring between the ROUTING BOX-DATA LOADING (102TD) and DMU/FDIU (FDIMU) (10TV) (Ref. ASM 31-38/01):
 - A/32 (102TD) to pin AA/14G (10TV).
- (2) Do a check for of the aircraft wiring between the DMU/FDIU (FDIMU) (10TV) and the ROUTING BOX-DATA LOADING (102TD):
 - (a) pin AB/11C, 11D (10TV) to the pin A/49, 16 (102TD).
 - (b) pin AA/11C, 11D (10TV) to the pin B/17, 33 (102TD).
- (3) if the fault continues:
 - replace the ROUTING BOX-DATA LOADING (102TD) (Ref. AMM TASK 31-38-34-000-001) and (Ref. AMM TASK 31-38-34-400-001).

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B. Do the test given in Para. 3.A.

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31-38-00

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TROUBLE SHOOTING MANUAL

**ON A/C 456-475,

TASK 31-38-00-810-823

Loss of the DLRB Signal to the DMC1

- 1. Possible Causes
 - ROUTING BOX-DATA LOADING (102TD)
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R R	AMM	31-38-34-000-001	Removal of the Data Loading Routing Box (DLRB) (102TD)
R R	AMM	31-38-34-400-001	Installation of the Data Loading Routing Box (DLRB) (102TD)
	AMM AMM	31-60-00-610-007 31-63-34-000-001	<pre>UP LOADING Procedure of the DMC1 with the MDDU Removal of the DMC (1WT1,1WT2,1WT3)</pre>
	AMM ASM	31-63-34-400-001 31-38/01	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Load the software of the DMC1 (Ref. AMM TASK 31-60-00-610-007).
- 4. Fault Isolation
 - A. If the fault is identified by the crew observation:

DMC1 uploading is not possible.

- (1) Do a check for of the aircraft wiring (Ref. ASM 31-38/01):
 - between the Data Loading Routing Box (102TD) pin A/23 and the DMC1 (1WT1) pin AE/3F.
 - between the Data Loading Routing Box (102TD) pin A/7, 40 and the DMC1 (1WT1) pin AA/9F, 9E.
- (2) if the fault continues:
 - replace the ROUTING BOX-DATA LOADING (102TD) (Ref. AMM TASK 31-38-34-000-001) and (Ref. AMM TASK 31-38-34-400-001).

EFF: 456-475,

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- (3) if the fault continues:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- B. Do the test given in Para. 3.A.

EFF: 456-475,

31-38-00

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TROUBLE SHOOTING MANUAL

OPERATIONAL PRESENTATION - FAULT ISOLATION PROCEDURES

TASK 31-51-00-810-801

Access to the ECAM1 OEB DATABASE not Possible

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring of the OEB pin programming signal from the FWC1 to ground
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM 31-53-34-400-001	Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)
AWM 31-52-27	(
3. Fault Confirmation	
**ON A/C ALL	
	201-204,227-227,229-240,276-283,476-478,551-551,554-554,559-560,
Post SB 31-1264 For A/C	201-204,227-227,229-240,276-283,476-478,503-549, 551-599,

A. Not applicable.

EFF: ALL 31-51-00

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R

TROUBLE SHOOTING MANUAL

**ON A/C ALL

4. Fault Isolation

**ON A/C ALL

- A. On the ECAM1/FWC1/2-SDAC1/2-ECP page, if the OEB DATABASE indication is not shown:
 - (1) Do an FWS LRU IDENTIFICATION of the FWC1(1WW1) and make sure, with the P/N, that the FWC1 has the OEB reminder function and that the DB/N (DATABASE Number) is shown.
 - (a) If the FWC1 does not have the OEB reminder function:
 replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) (Ref. AMM TASK 31-53-34-400-001).
 - (b) If the FWC1 has the OEB REMINDER function and if there is no DB/N:
 - with the MCDU, do a check of the pin programming.
 - 1 If the parity is incorrect:
 - do a check and repair the wiring of the OEB pin programming signal from the FWC1 to ground (Ref. AWM 31-52-27).

EFF: ALL 31-51-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-51-00-810-802

Access to the ECAM2 OEB DATABASE not Possible

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring of the OEB pin programming signal from the FWC2 to ground
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
AMM 31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
AWM 31-52-28	(1441)	
3. Fault Confirmation		
**ON A/C ALL		
	201-204,227-227,229-240,276-283,476-478,551-551,	
Post SB 31-1264 For A/C	554-554,559-560, 201-204,227-227,229-240,276-283,476-478,503-549, 551-599,	

A. Not applicable.

EFF: ALL 31-51-00

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SROS

R R R

TROUBLE SHOOTING MANUAL

**ON A/C ALL

4. Fault Isolation

**ON A/C ALL

- A. On the ECAM2/FWC1/2-SDAC1/2-ECP page, if the OEB DATABASE indication is not shown:
 - (1) Do an FWS LRU IDENTIFICATION of the FWC2(1WW2) and make sure, with the P/N, that the FWC2 has the OEB reminder function and that the DB/N (DATABASE Number) is shown.
 - (a) If the FWC2 does not have the OEB reminder function:
 replace the FWC-2 (1WW2)
 (Ref. AMM TASK 31-53-34-000-001) (Ref. AMM TASK 31-53-34-400-001).
 - (b) If the FWC2 has the OEB REMINDER function and if there is no DB/N:
 - with the MCDU, do a check of the pin programming.
 - 1 If the parity is incorrect:
 - do a check and repair the wiring of the OEB pin programming signal from the FWC2 to ground (Ref. AWM 31-52-28).

EFF: ALL 31-51-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-51-00-810-803

Opposite FWC1 OEB DATABASE Data not Available

- 1. Possible Causes
 - wiring between the FWC1 output bus and the FWC2 input bus
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE

DESIGNATION

ASM 31-52/05

3. Fault Confirmation

**ON A/C ALL

R Post SB 31-1113 For A/C 201-204,227-227,229-240,276-283,476-478,551-551, 554-554,559-560, R Post SB 31-1264 For A/C 201-204,227-227,229-240,276-283,476-478,503-549, 551-599,

A. Not applicable.

**ON A/C ALL

4. Fault Isolation

**ON A/C ALL

R Post SB 31-1113 For A/C 201-204,227-227,229-240,276-283,476-478,551-551, R 554-554,559-560, R Post SB 31-1264 For A/C 201-204,227-227,229-240,276-283,476-478,503-549, R 551-599,

- A. If the NO RESPONSE message adjacent to the FWC1 indication comes into view on the ECAM2 OEB DATABASE page:
 - do a check and repair the wiring between the FWC1 output bus and the FWC2 input bus (Ref. ASM 31-52/05).

EFF: ALL

31-51-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-51-00-810-804

Opposite FWC2 OEB DATABASE Data not Available

- 1. Possible Causes
 - wiring between the FWC2 output bus and the FWC1 input bus
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE

DESIGNATION

ASM 31-52/05

3. Fault Confirmation

**ON A/C ALL

R Post SB 31-1113 For A/C 201-204,227-227,229-240,276-283,476-478,551-551, 554-554,559-560, R Post SB 31-1264 For A/C 201-204,227-227,229-240,276-283,476-478,503-549, 551-599,

A. Not applicable.

**ON A/C ALL

4. Fault Isolation

**ON A/C ALL

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R Post SB 31-1113 For A/C 201-204,227-227,229-240,276-283,476-478,551-551, R 554-554,559-560, R Post SB 31-1264 For A/C 201-204,227-227,229-240,276-283,476-478,503-549, R 551-599,
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- A. If the NO RESPONSE message adjacent to the FWC2 indication comes into view on the ECAM1 OEB DATABASE page:
 - do a check and repair the wiring between the FWC2 output bus and the FWC1 input bus (Ref. ASM 31-52/05).

EFF: ALL

31-51-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-51-00-810-805

Creation or Deletion in the ECAM1/OEB DATABASE not Possible

- 1. Possible Causes
 - FWC-1 (1WW1)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
R R		31-51-00-610-001 31-51-00-610-002	Load OEB REMINDER Data into FWCs using MCDUs. Delete OEB REMINDER Data from FWCs using MCDUs.	
N		31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
	AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	

3. Fault Confirmation

**ON A/C ALL

A. Do a new OEB DATABASE creation (Ref. AMM TASK 31-51-00-610-001) or deletion (Ref. AMM TASK 31-51-00-610-002).

EFF: ALL 31-51-00

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**ON A/C ALL

4. Fault Isolation

**ON A/C ALL

SROS

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R Post SB 31-1113 For A/C 201-204,227-227,229-240,276-283,476-478,551-551, 554-554,559-560, R Post SB 31-1264 For A/C 201-204,227-227,229-240,276-283,476-478,503-549, 551-599,
```

- A. If the UPDATE FAILED message comes into view on the ECAM1/OEB DATABASE UPDATE page:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) (Ref. AMM TASK 31-53-34-400-001).

EFF: ALL 31-51-00

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**ON A/C ALL

TASK 31-51-00-810-806

Creation or Deletion in the ECAM2/OEB DATABASE not Possible

- 1. Possible Causes
 - FWC-2 (1WW2)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
R R	AMM	31-51-00-610-001 31-51-00-610-002 31-53-34-000-001	Load OEB REMINDER Data into FWCs using MCDUs. Delete OEB REMINDER Data from FWCs using MCDUs. Removal of the Flight Warning Computer (FWC)	
	AMM	31-53-34-400-001	(1WW1,1WW2) Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)	

3. Fault Confirmation

**ON A/C ALL

A. Do a new OEB DATABASE creation (Ref. AMM TASK 31-51-00-610-001) or deletion (Ref. AMM TASK 31-51-00-610-002).

EFF: ALL 31-51-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

4. Fault Isolation

**ON A/C ALL

SROS

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R Post SB 31-1113 For A/C 201-204,227-227,229-240,276-283,476-478,551-551, 554-554,559-560, R Post SB 31-1264 For A/C 201-204,227-227,229-240,276-283,476-478,503-549, 551-599,
```

- A. If the UPDATE FAILED message comes into view on the ECAM2/OEB DATABASE UPDATE page:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) (Ref. AMM TASK 31-53-34-400-001).

EFF: ALL 31-51-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-51-00-810-807

Crossloading from FWC2 OEB DATABASE not Possible

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring of the data bus between the FWC2 output bus and the FWC1 input bus
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION
R	AMM	31-51-00-610-003	Crossload OEB REMINDER Data into FWCs using MCDUs.
	AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
	AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
	AWM	31-52-03	
	7 -	ault Confirmation	

3. Fault Confirmation

**ON A/C ALL

SROS

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R Post SB 31-1113 For A/C 201-204,227-227,229-240,276-283,476-478,551-551, R 554-554,559-560, R Post SB 31-1264 For A/C 201-204,227-227,229-240,276-283,476-478,503-549, R 551-599.
```

A. Do a new crossloading from the FWC2 (Ref. AMM TASK 31-51-00-610-003).

EFF: ALL

31-51-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

4. Fault Isolation

**ON A/C ALL

R Post SB 31-1113 For A/C 201-204,227-227,229-240,276-283,476-478,551-551, 554-554,559-560, R Post SB 31-1264 For A/C 201-204,227-227,229-240,276-283,476-478,503-549, 551-599,

- A. If the UNABLE TO CROSSLOAD message comes into view on the ECAM1/OEB DATABASE UPDATE page:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of the data bus between the FWC2 output bus and the FWC1 input bus (Ref. AWM 31-52-03).

EFF: ALL 31-51-00

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**ON A/C ALL

TASK 31-51-00-810-808

Crossloading from FWC1 OEB DATABASE not Possible

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring of the data bus between the FWC1 output bus and the FWC2 input bus
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
R		31-51-00-610-003 31-53-34-000-001	Crossload OEB REMINDER Data into FWCs using MCDUs. Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
	AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
	ASM	31-52/03		

3. Fault Confirmation

**ON A/C ALL

SROS

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R Post SB 31-1113 For A/C 201-204,227-227,229-240,276-283,476-478,551-551, R 554-554,559-560, R Post SB 31-1264 For A/C 201-204,227-227,229-240,276-283,476-478,503-549, R 551-599.
```

A. Do a new crossloading from the FWC1 (Ref. AMM TASK 31-51-00-610-003).

EFF: ALL

31-51-00

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**ON A/C ALL

4. Fault Isolation

**ON A/C ALL

SROS

R Post SB 31-1113 For A/C 201-204,227-227,229-240,276-283,476-478,551-551, 554-554,559-560, R Post SB 31-1264 For A/C 201-204,227-227,229-240,276-283,476-478,503-549, 551-599,

- A. If the UNABLE TO CROSSLOAD message comes into view on the ECAM2/OEB DATABASE UPDATE page:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of the data bus between the FWC1 output bus and the FWC2 input bus (Ref. ASM 31-52/03).

EFF: ALL 31-51-00

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**ON A/C ALL

TASK 31-51-00-810-809

Failure of the Crossloading Function in the FWC1 OEB/DATABASE

- 1. Possible Causes
 - FWC-1 (1WW1)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
R		31-51-00-610-003 31-53-34-000-001	Crossload OEB REMINDER Data into FWCs using MCDUs. Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
	AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
	7 F	ault Confirmation		

3. Fault Confirmation

**ON A/C ALL

R Post SB 31-1113 For A/C 201-204,227-227,229-240,276-283,476-478,551-551, 554-554,559-560, R Post SB 31-1264 For A/C 201-204,227-227,229-240,276-283,476-478,503-549, 551-599,

A. Do a new crossloading from the FWC2 (Ref. AMM TASK 31-51-00-610-003).

**ON A/C ALL

4. Fault Isolation

**ON A/C ALL

- A. If the CROSSLOAD FAILED message comes into view on the ECAM1/OEB DATABASE UPDATE page:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) (Ref. AMM TASK 31-53-34-400-001).

EFF: ALL

31-51-00

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**ON A/C ALL

TASK 31-51-00-810-810

Failure of the Crossloading Function in the FWC2 OEB/DATABASE

- 1. Possible Causes
 - FWC-2 (1WW2)
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R		31-51-00-610-003 31-53-34-000-001	Crossload OEB REMINDER Data into FWCs using MCDUs. Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
	AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
	3. F	ault Confirmation	

3. Fault Confirmation

**ON A/C ALL

Post SB 31-1113 For A/C 201-204,227-227,229-240,276-283,476-478,551-551, 554-554,559-560, Post SB 31-1264 For A/C 201-204,227-227,229-240,276-283,476-478,503-549, R R 551-599,

A. Do a new crossloading from the FWC1 (Ref. AMM TASK 31-51-00-610-003).

**ON A/C ALL

4. Fault Isolation

**ON A/C ALL

Post SB 31-1113 For A/C 201-204,227-227,229-240,276-283,476-478,551-551, 554-554,559-560, R Post SB 31-1264 For A/C 201-204,227-227,229-240,276-283,476-478,503-549, R R 551-599,

- A. If the CROSSLOAD FAILED message comes into view on the ECAM2/OEB DATABASE **UPDATE** page:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) (Ref. AMM TASK 31-53-34-400-001).

EFF: ALL

31-51-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-51-00-810-811

Disagree between FWC1 and FWC2 OEB DATABASE

- 1. Possible Causes
 - FWC-1 (1WW1)
 - FWC-2 (1WW2)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
R R R	AMM AMM	31-51-00-210-001 31-51-00-610-002 31-51-00-610-003 31-53-34-000-001	Read OEB REMINDER Data in the FWC1 and/or the FWC2. Delete OEB REMINDER Data from FWCs using MCDUs. Crossload OEB REMINDER Data into FWCs using MCDUs. Removal of the Flight Warning Computer (FWC)	
	AMM	31-53-34-400-001	(1WW1,1WW2) Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)	

3. Fault Confirmation

**ON A/C ALL

SROS

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R Post SB 31-1113 For A/C 201-204,227-227,229-240,276-283,476-478,551-551, 554-554,559-560, R Post SB 31-1264 For A/C 201-204,227-227,229-240,276-283,476-478,503-549, 551-599,
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A. Not applicable

EFF: ALL 31-51-00

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**ON A/C ALL

4. Fault Isolation

**ON A/C ALL

- A. If the fault symptom is identified by the FWS OEB/FWC DISCREPANCY ECAM warning:
 - (1) Read OEB reminder information in the FWC1 and FWC2 (Ref. AMM TASK 31-51-00-210-001).
 - (a) Record of the incorrect ECAM 1 or 2 OEB data base list
 - (b) Delete the incorrect OEB reminder information from the related FWC (Ref. AMM TASK 31-51-00-610-002).
 - (c) Crossload OEB reminder information, from the FWC which has the correct data base to the FWC which had the incorrect data base. (Ref. AMM TASK 31-51-00-610-003).
 - (2) If the fault continues:
 - (a) Replace the defective FWC-1 (1WW1) or FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- B. Make sure that the FWS OEB/FWC DISCREPANCY ECAM warning is not shown on the upper ECAM DU.

EFF: ALL 31-51-00

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FLIGHT WARNING COMPUTER (FWC) - FAULT ISOLATION PROCEDURES

TASK 31-53-00-810-801

Failure of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
 - 2WW-C/B EIS/FWC2/SPLY
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
	AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
R	AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
	ASM	31-51/01	·	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message: FWC2
 - do a check of the status of the circuit breaker (2WW).
 - (1) If the circuit breaker (2WW) is closed:
 - replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the FWC 2 (1WW2) pin AC/1 to the circuit breaker (2WW) , (Ref. ASM 31-51/01).
 - 1 If there is no continuity:
 repair the wiring given above.
 - 2 If there is continuity:
 replace the 2WW-C/B EIS/FWC2/SPLY

EFF: ALL 31-53-00

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- (2) If the circuit breaker (2WW) is open:
 close the circuit breaker.
 - - 1 If the fault continues:
 - do a check and repair for a short to ground the wiring between the circuit breaker (2WW) and the FWC 2 (1WW2).
- B. Do the test given in Para. 3.

EFF: ALL 31-53-00

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TASK 31-53-00-810-802

Loss of the ARINC 429 Output Bus from the FWC 2 to the FWC 1

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM AMM	31-50-00-710-001 31-53-34-000-001	Ground Scanning of the Central Warning System Removal of the Flight Warning Computer (FWC)	
R	AMM	31-53-34-400-001	(1WW1,1WW2) Installation of the Flight Warning Computer (FWC)	
	ASM	31-52/05	(1WW1,1WW2)	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (system 1) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

NO DATA FROM OPPOSITE FWC

- replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the FWC 2 (1WW2) pins AE/12B,
 12C to the first terminal block, (Ref. ASM 31-52/05).
- B. Do the test given in Para. 3.

EFF: ALL 31-53-00

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TASK 31-53-00-810-803

No Link between the FWC 2 and the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
	AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
R	AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
	ASM	31-52/05	·	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (system 1) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

NO DATA FROM OPPOSITE FWC

- replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the FWC 1 (1WW1) pins AB/5J,
 5K to the first terminal block, (Ref. ASM 31-52/05).
- B. Do the test given in Para. 3.

EFF: ALL 31-53-00

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-804

Failure of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
 - C/B FWS/FWC1/SUPLY
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
	AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
R	AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
	ASM	31-51/01		

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - do a check of the status of the circuit breaker (3WW).
 - (1) If the circuit breaker (3WW) is closed:
 - replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the FWC 1 (1WW1) pin AC/1 to the circuit breaker (3WW) , (Ref. ASM 31-51/01).
 - 1 If there is no continuity:
 repair the wiring given above.
 - 2 If there is continuity:
 replace the C/B FWS/FWC1/SUPLY

EFF: ALL
SROS

31-53-00

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- - - 1 If the fault continues:
 - do a check and repair for a short to ground the wiring between the circuit breaker (3WW) and the FWC 1 (1WW1).
- B. Do the test given in Para. 3.

EFF: ALL 31-53-00

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-805

Loss of the ARINC 429 Output Bus from the FWC 1 to the FWC 2

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM AMM	31-50-00-710-001 31-53-34-000-001	Ground Scanning of the Central Warning System Removal of the Flight Warning Computer (FWC)	
R	AMM	31-53-34-400-001	(1WW1,1WW2) Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)	
	ASM	31-52/05	()	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - $\ensuremath{\text{\textbf{A.}}}$ If the test gives the maintenance message:

NO DATA FROM OPPOSITE FWC

- replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the FWC 1 (1WW1) pins AE/12B,
 12C to the first terminal block, (Ref. ASM 31-52/05).
- B. Do the test given in Para. 3.

EFF: ALL 31-53-00

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TASK 31-53-00-810-806

No Link Between the FWC 1 and the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	A MM	31-50-00-710-001	Conved Consist of the Control Harris System	
	AMM		Ground Scanning of the Central Warning System	
	AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
R	AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
	ASM	31-52/05	•	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

NO DATA FROM OPPOSITE FWC

- replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the FWC 2 (1WW2) pins AB/5J,
 5K to the first terminal block , (Ref. ASM 31-52/05).
- B. Do the test given in Para. 3.

EFF: ALL 31-53-00

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TASK 31-53-00-810-810

Loss of the ARINC 429 Data between the FWC 1 and the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - FWC-1 (1WW1)
 - wiring from the DMC 1 (1WT1) to the FWC 1 (1WW1)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
A M M	74 57 7/ 000 004	Demoved of the Flight Hearing Computer (FUC)
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
AMM	31-60-00-740-002	EIS Input Test
AMM	31-60-00-740-007	GROUND SCANNING Test of the DMC
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)
ASM	31-52/05	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION
49VU FWS/FWC1/SPLY 3WW F01

R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,

B. Test Do the EIS input test (EIS 1) (Ref. AMM TASK 31-60-00-740-002).

**ON A/C 456-475,

SROS

B. Test
Do the Ground Scanning Test of the DMC (Ref. AMM TASK 31-60-00-740-007).

EFF: ALL

31-53-00

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**ON A/C ALL

4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,

A. If the test gives the maintenance message:

DMC 1: NO FWC 1 DATA

- replace the DMC-1 (1WT1), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (1) If the fault continues:
 - replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) to the FWC 1 (1WW1) from pins AA/10A, 10B to pins AB/12F, 12G, (Ref. ASM 31-52/05).

**ON A/C 456-475,

- A. If the test gives the maintenance message:
 - FWC1(1WW1) BUSX DATA/DMC1(1WT1)
 - replace the DMC-1 (1WT1), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) to the FWC 1 (1WW1) from pins AD/8G, 8H to pins AB/12F, 12G, (Ref. ASM 31-52/05).

**ON A/C ALL

B. Do the test given in Para. 3.B.

EFF: ALL

31-53-00

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TASK 31-53-00-810-811

Loss of the ARINC 429 Data between the FWC 1 and the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 31-60-00-740 AMM 31-60-00-740 AMM 31-63-34-000 AMM 31-63-34-400 ASM 31-52/05	0-007 GROUND SCANNI 0-001 Removal of th	t NG Test of the DMC e DMC (1WT1,1WT2,1WT3) of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

- R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,
 - B. Test Do the EIS input test (EIS 2) (Ref. AMM TASK 31-60-00-740-002).

**ON A/C 456-475,

B. Test
Do the Ground Scanning Test of the DMC (Ref. AMM TASK 31-60-00-740-007)

EFF: ALL
SROS

31-53-00

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**ON A/C ALL

4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,

A. If the test gives the maintenance message:

DMC 2 : NO FWC 1 DATA

- replace the DMC-2 (1WT2), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/10A, 10B to the first terminal block, (Ref. ASM 31-52/05).

**ON A/C 456-475,

A. If the test gives the maintenance message:

FWC1(1WW1) BUSx DATA/DMC2(1WT2)

- replace the DMC-2 (1WT2), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AD/8G, 8H to the first terminal block , (Ref. ASM 31-52/05).

**ON A/C ALL

B. Do the test given in Para. 3.B.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-812

Loss of the ARINC 429 Data between the FWC 1 and the CFDIU

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION	
AMM	31-32-00-740-003	Ground Scanning of the CFDIU	
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading	
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
ASM	31-52/05		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU FWS/FWC1/SPLY

F01

B. Test

On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

If the fault is not confirmed, do the GROUND SCANNING of the CFDIU (Ref. AMM TASK 31-32-00-740-003).

4. Fault Isolation

- A. If the test gives the maintenance message:
 - NO FWC 1 DATA
 - replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the FWC 1 (1WW1) pins AB/12J, 12K to the first terminal block (Ref. ASM 31-52/05).
- B. Do the test given in Para. 3.B.

31-53-00

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TASK 31-53-00-810-813

Loss of the ARINC 429 Data between the FWC 1 and the DMC 3

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM 31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
AMM 31-60-00-740-002	EIS Input Test
AMM 31-60-00-740-007 ASM 31-52/05	GROUND SCANNING Test of the DMC

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION
49VU FWS/FWC1/SPLY 3WW F01

R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,

- B. Test
 Do the EIS input test (EIS 3) (Ref. AMM TASK 31-60-00-740-002).
- **ON A/C 456-475,
 - B. Test
 Do the Ground Scanning Test of the DMC (Ref. AMM TASK 31-60-00-740-007).

EFF: ALL 31-53-00

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**ON A/C ALL

4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,

A. If the test gives the maintenance message:

DMC3: NO FWC 1 DATA

- replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the FWC 1 (1WW1) pins AB/12J, 12K to the first terminal block, (Ref. ASM 31-52/05).

**ON A/C 456-475,

- A. If the test gives the maintenance message:
 FWC1(1WW1) BUSX DATA/DMC3(1WT3)
 - replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the FWC 1 (1WW1) pins AB/12J,
 12K to the first terminal block , (Ref. ASM 31-52/05).

**ON A/C ALL

B. Do the test given in Para. 3.B.

31-53-00

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EFF: ALL

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TASK 31-53-00-810-814

Loss of the ARINC 429 Data between the FWC 1 and the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-60-00-740-007	GROUND SCANNING Test of the DMC
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)
ASM	31-52/05	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION
49VU FWS/FWC1/SPLY 3WW F01

- R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,
 - B. Test Do the EIS input test (EIS 3) (Ref. AMM TASK 31-60-00-740-002).

**ON A/C 456-475,

B. Test
Do the Ground Scanning Test of the DMC (Ref. AMM TASK 31-60-00-740-007).

EFF: ALL 31-53-00

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**ON A/C ALL

4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,

A. If the test gives the maintenance message:

DMC 3: NO FWC 1 DATA

- replace the DMC-3 (1WT3), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/10A, 10B to the first terminal block, (Ref. ASM 31-52/05).

**ON A/C 456-475,

- A. If the test gives the maintenance message:
 FWC1(1WW1) BUSX DATA/DMC3(1WT3)
 - replace the DMC-3 (1WT3), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/10A,
 10B to the first terminal block , (Ref. ASM 31-52/05).

**ON A/C ALL

B. Do the test given in Para. 3.B.

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EFF: ALL

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TASK 31-53-00-810-816

Failure of the FWC 1 Pin Programming

- 1. Possible Causes
 - FWC-1 (1WW1)
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
	AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
R R	AMM	31-50-00-740-002	Read and Decode the Hardware Pin Programming of the SDAC and FWC
	AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
	AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
	AWM	31-52-27	•
	AWM	31-52-34	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message: FWC 1: PIN PROGRAM FAIL
 - (1) Read the pin programming related to the FWC 1 (Ref. AMM TASK 31-50-00-740-002).
 - (2) Compare the pin programming related to the FWC 1 with the state of the aircraft pin programming given in the ASM (Ref. AWM 31-52-27), (Ref. AWM 31-52-34).
 - (a) If the pin programming is incorrect:repair the aircraft wiring.
 - (b) If the pin programming is correct:
 replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).

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B. Do the test given in Para. 3.

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TASK 31-53-00-810-817

Failure of the FWC 2 Pin Programming

- 1. Possible Causes
 - FWC-2 (1WW2)
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
	AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
R R	AMM	31-50-00-740-002	Read and Decode the Hardware Pin Programming of the SDAC and FWC
	AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
	AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
	AWM	31-52-28	•
	AWM	31-52-34	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 FWC 2 : PIN PROGRAM FAIL
 - (1) Read the pin programming related to the FWC 2 (Ref. AMM TASK 31-50-00-740-002).
 - (2) Compare the pin programming related to the FWC 2 with the state of the aircraft pin programming given in the ASM (Ref. AWM 31-52-28), (Ref. AWM 31-52-34).
 - (a) If the pin programming is incorrect:reapir the aircraft wiring.
 - (b) If the pin programming is correct:
 replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).

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B. Do the test given in Para. 3.

EFF: ALL
SROS

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TASK 31-53-00-810-818

Loss of the FQI 1A Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring from FWC 1 (1WW1) pins AB/7A, 7B to the first terminal block
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 1: NO DATA FROM FQI 1A/1B: replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AB/7A, 7B to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TASK 31-53-00-810-819

Loss of the FQI 1B Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	,

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 2: NO DATA FROM FQI 1A/1B: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the FWC 2 (1WW2) pin AB/7A,
 7B to the first terminal block , (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-820

Loss of the FQI 2A Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 1: NO DATA FROM FQI 2A/2B: replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the FWC 1 (1WW1) pin AE/7J,
 7K to the first terminal block , (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TASK 31-53-00-810-821

Loss of the FQI 2B Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	•

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 2: NO DATA FROM FQI 2A/2B: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the FWC 2 (1WW2) pins AE/7J,
 7K to the first terminal block , (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TASK 31-53-00-810-822

Loss of the ILS 1 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-245, 276-299,
 - A. If the test gives the maintenance message FWC 1: NO DATA FROM ILS1:
 replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the FWC 1 (1WW1) pins AB/7C, 7D to the first terminal block, (Ref. ASM 31-52/03).

EFF: ALL 31-53-00

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- R **ON A/C 247-275, 426-499, 503-549, 551-599, 701-749,
 - A. If the test gives the maintenance message
 - FWC1: NO DATA FROM MMR1
 - replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the FWC 1 (1WW1) pins AB/7C, 7D to the first terminal block (Ref. ASM 31-52/03).

**ON A/C ALL

B. Do the test given in Para. 3.

EFF: ALL 31-53-00

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-823

Loss of the ILS 1 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-245, 276-299,
 - A. If the test gives the maintenance message FWC 2: NO DATA FROM ILS 1: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the FWC 2 (1WW2) pins AB/7C, 7D to the first terminal block, (Ref. ASM 31-52/03).

EFF: ALL 31-53-00

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- R **ON A/C 247-275, 426-499, 503-549, 551-599, 701-749,
 - A. If the test gives the maintenance message:

FWC2: NO DATA FROM MMR 1

- replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the FWC 2 (1WW2) pins AB/7C,
 7D to the first terminal block (Ref. ASM 31-52/03).

**ON A/C ALL

B. Do the test given in Para. 3.

EFF: ALL 31-53-00

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TASK 31-53-00-810-824

Loss of the ILS 2 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-245, 276-299,
 - A. If the test gives the maintenance message FWC 1: NO DATA FROM ILS 2: replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the FWC 1 (1WW1) pins AE/7G, 7H to the first terminal block, (Ref. ASM 31-52/03).

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- R **ON A/C 247-275, 426-499, 503-549, 551-599, 701-749,
 - A. If the test gives the maintenance message

FWC1: NO DATA FROM MMR 2

- replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the FWC 1 (1WW1) pins AE/7G,
 7H to the first terminal block (Ref. ASM 31-52/03).

**ON A/C ALL

B. Do the test given in Para. 3.

EFF: ALL 31-53-00

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TASK 31-53-00-810-825

Loss of the ILS 2 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-245, 276-299,
 - A. If the test gives the maintenance message FWC 2: NO DATA FROM ILS 2: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the FWC 2 (1WW2) pins AE/7G, 7H to the first terminal block, (Ref. ASM 31-52/03).

EFF: ALL 31-53-00

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- R **ON A/C 247-275, 426-499, 503-549, 551-599, 701-749,
 - A. If the test gives the maintenance message

FWC2: NO DATA FROM MMR 2

- replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the FWC 2 (1WW2) pins AE/7G, 7H to the first terminal block (Ref. ASM 31-52/03).

**ON A/C ALL

B. Do the test given in Para. 3.

EFF: ALL 31-53-00

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-826

Loss of the LGCIU 1 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	•

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 1: NO DATA FROM LGCIU 1: replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AB/7G, 7H to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TASK 31-53-00-810-827

Loss of the LGCIU 1 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 2: NO DATA FROM LGCIU 1: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AB/7G, 7H to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TASK 31-53-00-810-828

Loss of the LGCIU 2 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 1: NO DATA FROM LGCIU 2: replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AE/7C, 7D to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-829

Loss of the LGCIU 2 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 2: NO DATA FROM LGCIU 2: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AE/7C, 7D to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-830

Loss of the FCU 1B Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 1: NO DATA FROM FCU 1B/2B: replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AE/8A, 8B to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-831

Loss of the FCU 2B Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	,

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 2: NO DATA FROM FCU 1B/2B: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AE/8A, 8B to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-832

Loss of the FMGC 1 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	,

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 1 : NO DATA FROM FMGC 1/FGC 1:
 - replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AB/4E, 4F to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-833

Loss of the FMGC 1 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM FMGC1/FGC1: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AB/4E, 4F to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-834

Loss of the FMGC 2 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1: NO DATA FROM FMGC2/FGC2: replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AE/4E, 4F to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-835

Loss of the FMGC 2 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM FMGC2/FGC2: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AE/4E, 4F to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-836

Loss of the FAC 1 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1: NO DATA FROM FAC1:
 replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AB/4G, 4H to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-837

Loss of the FAC 1 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	•

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM FAC1: - replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AB/4G, 4H to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-838

Loss of the FAC 2 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1 : NO DATA FROM FAC2: - replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AE/4C, 4D to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-839

Loss of the FAC 2 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM FAC2: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AE/4C, 4D to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-840

Loss of the FCDC 1 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1: NO DATA FROM FCDC1:
 replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AB/8G, 8H to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-841

Loss of the FCDC 1 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM FCDC1: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AB/8G, 8H to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-842

Loss of the FCDC 2 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1: NO DATA FROM FCDC2:
 replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AE/8C, 8D to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TASK 31-53-00-810-843

Loss of the FCDC 2 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM FCDC2: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AE/8C, 8D to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-844

Loss of the ACARS Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001	Ground Scanning of the Central Warning System
AMM 31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM 31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM 31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1 : NO DATA FROM ACARS: replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AE/5E, 5F to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-845

Loss of the ACARS Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM ACARS:
 replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AE/5E, 5F to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TASK 31-53-00-810-846

Loss of the ADIRU 1 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1 : NO DATA FROM ADC1: - replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AB/7J, 7K to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-847

Loss of the ADIRU 1 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001	Ground Scanning of the Central Warning System
AMM 31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM 31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM 31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM ADC1: - replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AB/7J, 7K to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-848

Loss of the ADIRU 2 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1 : NO DATA FROM ADC2: - replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AE/7A, 7B to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-849

Loss of the ADIRU 2 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM ADC2: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AE/7A, 7B to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TASK 31-53-00-810-850

Loss of the ADIRU 3 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1 : NO DATA FROM ADC3: - replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AB/8J, 8K to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TASK 31-53-00-810-851

Loss of the ADIRU 3 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM ADC3:
 replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AB/8J, 8K to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TASK 31-53-00-810-852

Loss of the ECU 1 Bus A of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1: NO DATA FROM ECU1-A:
 replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AB/4A, 4B to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TASK 31-53-00-810-853

Loss of the ECU 1 Bus A of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM ECU1-A:
 replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AB/4A, 4B to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-854

Loss of the ECU 1 Bus B of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001	Ground Scanning of the Central Warning System
AMM 31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM 31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM 31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1: NO DATA FROM ECU1 B: replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AB/8A, 8B to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-855

Loss of the ECU 1 Bus B of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM ECU1 B: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AB/8A, 8B to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-856

Loss of the ECU 2 Bus A of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1: NO DATA FROM ECU2 A:
 replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AE/4J, 4K
 to the first terminal block , (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-857

Loss of the ECU 2 Bus A of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM ECU2 A: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AE/4J, 4K
 to the first terminal block , (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-858

Loss of the ECU 2 Bus B of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1: NO DATA FROM ECU2 B: replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AE/8J, 8K to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-859

Loss of the ECU 2 Bus B of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM ECU2-B: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AE/8J, 8K to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-860

Loss of the EIU 1 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1 : NO DATA FROM EIU1: - replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AB/8C, 8D to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-861

Loss of the EIU 1 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2 : NO DATA FROM EIU1: - replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AB/8C, 8D to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-862

Loss of the EIU 2 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1 : NO DATA FROM EIU2: replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AE/8G, 8H to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TASK 31-53-00-810-863

Loss of the EIU 2 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2 : NO DATA FROM EIU2: replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AE/8G, 8H to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-864

Loss of the RA 1 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1: NO DATA FROM RA1:
 replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AB/4C, 4D to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-865

Loss of the RA 1 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM RA1:
 replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AB/4C, 4D to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-866

Loss of the RA 2 Bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1: NO DATA FROM RA2:
 replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AE/4G, 4H to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TASK 31-53-00-810-867

Loss of the RA 2 Bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	•

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM RA2:
 - replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AE/4G, 4H to the first terminal block, (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-876

Loss of the LH SLT SYNC Signal Output by the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM AMM	31-50-00-710-001 31-53-34-000-001	Ground Scanning of the Central Warning System Removal of the Flight Warning Computer (FWC)	
AMM	31-53-34-400-001	(1WW1,1WW2) Installation of the Flight Warning Computer (FWC)	
ASM	27-85/01	(1WW1,1WW2)	

3. Fault Confirmation

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC1: LH SLT SYNC 4CNA:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC1 (1WW1) pins AA/13G, 13H, 13J to the first terminal block (Ref. ASM 27-85/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-877

Loss of the LH SLT SYNC Signal Output of the Slat IPPU to the FWC2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - IPPU-SLAT (4CN)
 - wiring from the FWC2 (1WW2) to the slat IPPU (4CN)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
АММ	27-85-11-000-001	Removal of the Instrumentation Position Pick-Off Unit	
	27-85-11-400-001	Installation of the Instrumentation Position Pick-Off	
AMM	27-85-11-400-001	Unit	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
ASM	27-85/01		

3. Fault Confirmation

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC2: LH SLT SYNC 4CNA:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - replace the IPPU-SLAT (4CN) (Ref. AMM TASK 27-85-11-000-001) and (Ref. AMM TASK 27-85-11-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the FWC2 (1WW2) to the slat IPPU (4CN), between pins AA/13G, 13H, 13J and pins A/C, D, E (Ref. ASM 27-85/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-878

Loss of the RH SLT SYNC Signal Output by the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	27-85/01	

3. Fault Confirmation

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC1: RH SLT SYNC 4CNB:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC1 (1WW1) pins AD/13A, 13B,
 13C to the first terminal block (Ref. ASM 27-85/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-879

Loss of the RH SLT SYNC Signal Output of the Slat IPPU to the FWC2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - IPPU-SLAT (4CN)
 - wiring from the FWC2 (1WW2) to the slat IPPU (4CN)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	27-85-11-000-001	Removal of the Instrumentation Position Pick-Off Unit
AMM	27-85-11-400-001	Installation of the Instrumentation Position Pick-Off Unit
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	27-85/01	

3. Fault Confirmation

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC2: RH SLT SYNC 4CNB:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - replace the IPPU-SLAT (4CN) (Ref. AMM TASK 27-85-11-000-001) and (Ref. AMM TASK 27-85-11-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the FWC2 (1WW2) to the slat IPPU (4CN), between pins AD/13A, 13B, 13C and pins B/C, D, E (Ref. ASM 27-85/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-880

Loss of the LH SLT SYNC Signal Output of the Slat IPPU to the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - IPPU-SLAT (4CN)
 - wiring from the FWC1 (1WW1) to the slat IPPU (4CN)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	27-85-11-000-001	Removal of the Instrumentation Position Pick-Off Unit	
	27-85-11-400-001	Installation of the Instrumentation Position Pick-Off Unit	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
ASM	27-85/01		

3. Fault Confirmation

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC1: LH SLT SYNC 4CNA:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - replace the IPPU-SLAT (4CN) (Ref. AMM TASK 27-85-11-000-001) and (Ref. AMM TASK 27-85-11-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the FWC1 (1WW1) to the slat IPPU (4CN), between pins AA/13G, 13H, 13J and pins A/C, D, E (Ref. ASM 27-85/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-881

Loss of the RH SLT SYNC Signal Output of the Slat IPPU to the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - IPPU-SLAT (4CN)
 - wiring from the FWC1 (1WW1) to the slat IPPU (4CN)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	27-85-11-000-001	Removal of the Instrumentation Position Pick-Off Unit	
AMM	27-85-11-400-001	<pre>Installation of the Instrumentation Position Pick-Off Unit</pre>	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
ASM	27-85/01		

3. Fault Confirmation

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC1: RH SLT SYNC 4CNB:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - replace the IPPU-SLAT (4CN) (Ref. AMM TASK 27-85-11-000-001) and (Ref. AMM TASK 27-85-11-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the FWC1 (1WW1) to the slat IPPU (4CN), between pins AD/13A, 13B, 13C and pins B/C, D, E (Ref. ASM 27-85/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-882

Loss of the LH FLP SYNC Signal Output by the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	27-55/01	

3. Fault Confirmation

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC1: LH FLP SYNC 3CNA:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC1 (1WW1) pins AA/13B, 13C, 13D to the first terminal block (Ref. ASM 27-55/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-883

Loss of the LH FLP SYNC Signal Output of the Flap IPPU to the FWC2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - 3CN IPPU-FLAP
 - wiring from the FWC2 (1WW2) to the flap IPPU (3CN)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	27-55-11-000-001	Removal of the Instrumentation Position Pick-Off Unit
AMM	27-55-11-400-001	<pre>Installation of the Instrumentation Position Pick-Off Unit</pre>
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	27-55/01	

3. Fault Confirmation

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC2: LH FLP SYNC 3CNA:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - replace the 3CN IPPU-FLAP (Ref. AMM TASK 27-55-11-000-001) and (Ref. AMM TASK 27-55-11-400-001)
 - (a) If the fault continues:
 - do a check and repair the wiring from the FWC2 (1WW2) to the flap IPPU (3CN), between pins AA/13B, 13C, 13D and pins A/C, D, E (Ref. ASM 27-55/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-884

Loss of the RH FLP SYNC Signal Output by the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	27-55/01	

3. Fault Confirmation

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC1: RH FLP SYNC 3CNB:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC1 (1WW1) pins AD/13F, 13G, 13H to the first terminal block (Ref. ASM 27-55/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-885

Loss of the RH FLP SYNC Signal Output of the Flap IPPU to the FWC2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - IPPU-FLAP (3CN)
 - wiring from the FWC2 (1WW2) to the flap IPPU (3CN)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	27-55-11-000-001	Removal of the Instrumentation Position Pick-Off Unit
AMM	27-55-11-400-001	<pre>Installation of the Instrumentation Position Pick-Off Unit</pre>
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	27-55/01	

3. Fault Confirmation

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC2: RH FLP SYNC 3CNB:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - replace the IPPU-FLAP (3CN) (Ref. AMM TASK 27-55-11-000-001) and (Ref. AMM TASK 27-55-11-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the FWC2 (1WW2) to the flap IPPU (3CN), between pins AD/13F, 13G, 13H and pins B/C, D, E (Ref. ASM 27-55/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-886

Loss of the LH FLP SYNC Signal Output of the Flap IPPU to the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - IPPU-FLAP (3CN)
 - wiring from the FWC 1 (1WW1) to the flap IPPU (3CN)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	27-55-11-000-001	Removal of the Instrumentation Position Pick-Off Unit	
	27-55-11-400-001	Installation of the Instrumentation Position Pick-Off Unit	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
ASM	27-55/01		

3. Fault Confirmation

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC1: LH FLP SYNC 3CNA:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - replace the IPPU-FLAP (3CN) (Ref. AMM TASK 27-55-11-000-001) and (Ref. AMM TASK 27-55-11-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the FWC 1 (1WW1) to the flap IPPU (3CN), between pins AA/13B, 13C, 13D and pins A/C, D, E (Ref. ASM 27-55/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-887

Loss of the RH FLP SYNC Signal Output of the Flap IPPU to the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - IPPU-FLAP (3CN
 - wiring from the FWC1 (1WW1) to the flap IPPU (3CN)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	27-55-11-000-001	Removal of the Instrumentation Position Pick-Off Unit
AMM	27-55-11-400-001	<pre>Installation of the Instrumentation Position Pick-Off Unit</pre>
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	27-55/01	

3. Fault Confirmation

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC1: RH FLP SYNC 3CNB:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - replace the IPPU-FLAP (3CN (Ref. AMM TASK 27-55-11-000-001) and (Ref. AMM TASK 27-55-11-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the FWC1 (1WW1) to the flap IPPU (3CN), between pins AD/13F, 13G, 13H and pins B/C, D, E (Ref. ASM 27-55/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-888

Loss of the CFDIU Output Bus by the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - CFDIU (1TW)
 - wiring from the CFDIU (1TW) to the FWC 1 (1WW1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

3. Fault Confirmation

A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1: NO DATA FROM CFDIU:
 replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the FWC 1 (1WW1) from pins AA/2B, 2C to pins AE/5J, 5K (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-889

Loss of the CFDIU Output Bus by the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - CFDIU (1TW)
 - wiring from the CFDIU (1TW) to the FWC 2 (1WW2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-32-34-000-001	Removal of the CFDIU (1TW)
AMM	31-32-34-400-001	Installation of the CFDIU (1TW)
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM CFDIU:
 replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - replace the CFDIU (1TW) (Ref. AMM TASK 31-32-34-000-001) and (Ref. AMM TASK 31-32-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the CFDIU (1TW) to the FWC 2 (1WW2) from pins AB/2H, 2J to pins AE/5J, 5K (Ref. ASM 31-52/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-890

Loss of the CIDS-SDF1 or SDCU Channel 1 Bus Detected by the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	·

3. Fault Confirmation

A. Do the ground scanning of the central warning system (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

A. If the test gives the maintenance message:

FWC1 : NO DATA FROM SDCU1

or

FWC1: NO DATA FROM CIDS-SDF1

- replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AB/8E, 8F to the first terminal block (Ref. ASM 31-52/03).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-891

Loss of the CIDS-SDF2 or SDCU Channel 2 Bus Detected by the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001	Ground Scanning of the Central Warning System
AMM 31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM 31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM 31-52/03	

3. Fault Confirmation

A. Do the ground scanning of the central warning system (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

A. If the test gives the maintenance message:

FWC1: NO DATA FROM SDCU2

or

FWC1: NO DATA FROM CIDS-SDF2

- replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AE/8E, 8F to the first terminal block (Ref. ASM 31-52/03).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-892

Loss of the CIDS-SDF1 or SDCU Channel 1 Bus Detected by the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

3. Fault Confirmation

A. Do the ground scanning of the central warning system (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

A. If the test gives the maintenance message:

FWC2: NO DATA FROM SDCU1

or

FWC2: NO DATA FROM CIDS-SDF1

- replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AB/8E, 8F to the first terminal block (Ref. ASM 31-52/03).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-893

Loss of the CIDS-SDF2 or SDCU Channel 2 Bus Detected by the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/03	

3. Fault Confirmation

A. Do the ground scanning of the central warning system (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

A. If the test gives the maintenance message:

FWC2: NO DATA FROM SDCU2

or

FWC2: NO DATA FROM CIDS-SDF2

- replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AE/8E, 8F to the first terminal block (Ref. ASM 31-52/03).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-898

Loss of the input bus from the SDAC 1 to the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-54/04	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

FWC1 : NO DATA FROM SDAC1

- replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AB/4J, 4K
 to the first terminal block, (Ref. ASM 31-54/04).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-899

Loss of the input bus from the SDAC 1 to the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-54/04	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

FWC2: NO DATA FROM SDAC1

- replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AB/4J, 4K
 to the first terminal block , (Ref. ASM 31-54/04).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-900

Loss of the input bus from the SDAC 2 to the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/04	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

FWC1: NO DATA FROM SDAC2

- replace the FWC-1 (1WW1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AE/4A, 4B to the first terminal block , (Ref. ASM 31-54/04).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-901

Loss of the input bus from the SDAC 2 to the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
АММ	31-50-00-710-001	Ground Scanning of the Central Warning System	
		Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
AMM	31-53-34-400-001	Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)	
ASM	31-54/04	· ····································	

3. Fault Confirmation

A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

FWC2: NO DATA FROM SDAC2

- replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AE/4A, 4B to the first terminal block, (Ref. ASM 31-54/04).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-902

Loss of the ARINC 429 ECP.B bus of the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-61/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 1 : NO DATA FROM ECP: - replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 1 (1WW1) pins AE/5G, 5H to the first terminal block, (Ref. ASM 31-61/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-903

Loss of the ARINC 429 ECP.B bus of the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-61/03	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 2: NO DATA FROM ECP:
 replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AE/5G, 5H to the first terminal block, (Ref. ASM 31-61/03).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-904

FWC1 Inoperative

- 1. Possible Causes
 - FWC-1 (1WW1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001	Ground Scanning of the Central Warning System
AMM 31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM 31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>

3. Fault Confirmation

A. Test

Do the operational test of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-905

FWC2 Inoperative

- 1. Possible Causes
 - FWC-2 (1WW2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001	Ground Scanning of the Central Warning System
AMM 31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM 31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>

3. Fault Confirmation

A. Test

Do the operational test of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-906

Loss of the TCAS Output Bus Detected by the FWC1

- 1. Possible Causes
 - CMPTR-TCAS (1SG)
 - CMPTR-T2CAS (100SG)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
MM	34-43-34-000-001	Removal of the TCAS Computer (1SG)	
AMM	34-43-34-000-004	Removal of the T2CAS Computer (100SG)	
AMM	34-43-34-400-001	Installation of the TCAS Computer (1SG)	
AMM	34-43-34-400-004	Installation of the T2CAS Computer (100SG)	
ASM	34-43/01		

3. Fault Confirmation

**ON A/C 247-253,

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/T2CAS 104SG K10

R **ON A/C 201-225, 227-227, 229-245, 254-299, 426-499, 503-549, 551-599, R 701-749,

B. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION FIN LOCATION

121VU COM NAV/TCAS 4SG 10 K

EFF: ALL

31-53-00

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**ON A/C ALL

C. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-245, 254-299, 426-499, 503-549, 551-599, R 701-749,
 - A. If the test gives the maintenance message:

FWC1: NO DATA FROM TCAS

- replace the CMPTR-TCAS (1SG) (Ref. AMM TASK 34-43-34-000-001) and (Ref. AMM TASK 34-43-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from TCAS computer (1SG) pins AE/7C, 7D to the first terminal block (Ref. ASM 34-43/01).

**ON A/C 247-253,

A. If the test gives the maintenance message:

FWC1: NO DATA FROM TCAS

- replace the CMPTR-T2CAS (100SG) (Ref. AMM TASK 34-43-34-000-004) and (Ref. AMM TASK 34-43-34-400-004).
- (1) If the fault continues:
 - do a check and repair the wiring from T2CAS computer (100SG) pins AE/7C, 7D to the first terminal block (Ref. ASM 34-43/01).

**ON A/C ALL

B. Do the test given in Para. 3.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-907

Loss of the TCAS Input Bus Detected by the FWC1

1. Possible Causes

- FWC-1 (1WW1)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	34-43/01	

3. Fault Confirmation

A. Test

Do the operational test of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message:
 - FWC1: NO DATA FROM TCAS
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC1 (1WW1) pins AE/5A, 5B to the first terminal block (Ref. ASM 34-43/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-908

Loss of the TCAS Output Bus Detected by the FWC2

- 1. Possible Causes
 - CMPTR-TCAS (1SG)
 - CMPTR-T2CAS (100SG)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-50-00-710-001 34-43-34-000-001 34-43-34-000-004 34-43-34-400-001 34-43-34-400-004 34-43/01	Ground Scanning of the Central Warning System Removal of the TCAS Computer (1SG) Removal of the T2CAS Computer (100SG) Installation of the T2CAS Computer (1SG) Installation of the T2CAS Computer (100SG)	

3. Fault Confirmation

**ON A/C 247-253,

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/T2CAS 104SG K10

R **ON A/C 201-225, 227-227, 229-245, 254-299, 426-499, 503-549, 551-599, R 701-749,

B. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION FIN LOCATION

121VU COM NAV/TCAS 4SG 10 K

EFF: ALL

31-53-00

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**ON A/C ALL

C. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-245, 254-299, 426-499, 503-549, 551-599, R 701-749,
 - A. If the test gives the maintenance message:

FWC2: NO DATA FROM TCAS

- replace the CMPTR-TCAS (1SG) (Ref. AMM TASK 34-43-34-000-001) and (Ref. AMM TASK 34-43-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from TCAS computer (1SG) pins AE/7G, 7H to the first terminal block (Ref. ASM 34-43/01).

**ON A/C 247-253,

A. If the test gives the maintenance message:

FWC2: NO DATA FROM TCAS

- replace the CMPTR-T2CAS (100SG) (Ref. AMM TASK 34-43-34-000-004) and (Ref. AMM TASK 34-43-34-400-004).
- (1) If the fault continues:
 - do a check and repair the wiring from T2CAS computer (100SG) pins AE/7G, 7H to the first terminal block (Ref. ASM 34-43/01).

**ON A/C ALL

B. Do the test given in Para. 3.B.

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EFF:

ALL

TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-909

Loss of the TCAS Input Bus Detected by the FWC2

1. Possible Causes

- FWC-2 (1WW2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
ASM	34-43/01		

3. Fault Confirmation

A. Test

Do the operational test of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC2 : NO DATA FROM TCAS:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC2 (1WW2) pins AE/5A, 5B to the first terminal block (Ref. ASM 34-43/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-910

Loss of the Bus Output from the GPSSU1 to the FWC1

1. Possible Causes

- FWC-1 (1WW1)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
ASM	34-58/01		

3. Fault Confirmation

A. Do the operational test of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC1: NO DATA FROM GPS1:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC1 (1WW1) pins AB/9G, 9H to the first terminal block (Ref. ASM 34-58/01).
- B. Do the test given in Para. 3.

EFF: ALL 31-53-00

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-911

Loss of the Bus Output from the GPSSU2 to the FWC1

1. Possible Causes

- FWC-1 (1WW1)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM AMM	31-50-00-710-001 31-53-34-000-001	Ground Scanning of the Central Warning System Removal of the Flight Warning Computer (FWC)	
AMM	31-53-34-400-001	(1WW1,1WW2) Installation of the Flight Warning Computer (FWC)	
		(1WW1,1WW2)	
ASM	34-58/01		

3. Fault Confirmation

A. Do the operational test of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC1: NO DATA FROM GPS2:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC1 (1WW1) pins AE/9C, 9D to the first terminal block (Ref. ASM 34-58/01).
- B. Do the test given in Para. 3.

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EFF:

TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-912

Loss of the Bus Output from the GPSSU1 to the FWC2

1. Possible Causes

- FWC-2 (1WW2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
ASM	34-58/01		

3. Fault Confirmation

A. Do the operational test of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC2: NO DATA FROM GPS1:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC2 (1WW2) pins AB/9G, 9H to the first terminal block (Ref. ASM 34-58/01).
- B. Do the test given in Para. 3.

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EFF:

TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-913

Loss of the Bus Output from the GPSSU2 to the FWC2

1. Possible Causes

- FWC-2 (1WW2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM AMM	31-50-00-710-001 31-53-34-000-001	Ground Scanning of the Central Warning System Removal of the Flight Warning Computer (FWC)	
AMM	31-53-34-400-001	(1WW1,1WW2) Installation of the Flight Warning Computer (FWC)	
		(1WW1,1WW2)	
ASM	34-58/01		

3. Fault Confirmation

A. Do the operational test of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC2: NO DATA FROM GPS2:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC2 (1WW2) pins AE/9C, 9D to the first terminal block (Ref. ASM 34-58/01).
- B. Do the test given in Para.3.

EFF: ALL 31-53-00

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-914

Loss of the Bus Output from the FWC2 detected by the CFDIU

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-32-00-869-002	Procedure for Class 3 Faults Reading
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/05	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
121VU	EIS/FWC2/SPLY	2WW	Q07

B. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message NO FWC2 DATA:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from FWC 2 (1WW2) pins AB/12J, 12K
 to the first terminal block (Ref. ASM 31-52/05).
 - B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-915

Loss of the Bus Output from the FWC2 detected by the DMC3

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

DESIGNATION	
WC)	
er (FWC)	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

- R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,
 - - B. Test
 Do the Ground Scanning Test of the DMC (Ref. AMM TASK 31-60-00-740-007).

EFF: ALL 31-53-00

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**ON A/C ALL

4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,

A. If the test gives the maintenance message:

DMC3: NO FWC2 DATA

- replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from FWC2 (1WW2) pins AB/12J, 12K to the first terminal block (Ref. ASM 31-52/05).

**ON A/C 456-475,

A. If the test gives the maintenance message:

FWC2(1WW2) BUSX DATA/DMC3(1WT3)

- replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from FWC2 (1WW2) pins AB/12J, 12K to the first terminal block (Ref. ASM 31-52/05).

**ON A/C ALL

B. Do the test given in Para. 3.B.

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EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-916

Failure of the CAPT MASTER WARN Light

- 1. Possible Causes
 - FWC-1 (1WW1)
 - FWC-2 (1WW2)
 - LT-MASTER WARN, CAPT (9WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM AMM	31-50-00-710-002 31-53-34-000-001	Operational Test of the Flight Warning Computer (FWC) Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
AMM ASM	33-14-00-710-001 31-52/06	Operational Test of the Lights

- 3. Fault Confirmation
 - A. Test

Do the operational test of the Flight Warning Computer (Ref. AMM TASK 31-50-00-710-002).

- 4. Fault Isolation
 - A. If the upper section of the CAPT MASTER WARN light does not flash:
 - do the operational test of the annunciator light test system (Ref. AMM TASK 33-14-00-710-001).
 - (1) If the upper section of the CAPT MASTER WARN light stays off: - replace the LT-MASTER WARN, CAPT (9WW1).
 - (a) If the fault continues:
 - do a check and repair the wiring from CAPT MASTER WARN light (9WW1) pin A/7 to the first terminal block (Ref. ASM 31-52/06).

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- (2) If the upper section of the CAPT MASTER WARN light flashes:
 replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref.
 AMM TASK 31-53-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from FWC1 (1WW1) pin AB/1G to the first terminal block (Ref. ASM 31-52/06).
- B. If the lower section of the CAPT MASTER WARN light does not flash:

 do the operational test of the annunciator light test system (Ref. AMM TASK 33-14-00-710-001).
 - (1) If the lower section of the CAPT MASTER WARN light stays off: - replace the LT-MASTER WARN, CAPT (9WW1).
 - (a) If the fault continues:
 - do a check and repair the wiring from CAPT MASTER WARN light
 (9WW1) pin A/4 to the first terminal block (Ref. ASM 31-52/06).
 - (2) If the lower section of the CAPT MASTER WARN light flashes:
 replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from FWC2 (1WW2) pin AB/1G to the first terminal block (Ref. ASM 31-52/06).
- C. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-917

Failure of the F/O MASTER WARN Light

- 1. Possible Causes
 - FWC-2 (1WW2)
 - FWC-1 (1WW1)
 - LT-MASTER WARN, F/O (9WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
	74 50 00 740 002	Occupational Treat of the Flicht Heading Company (FUC)
AMM	31-50-00-710-002	Operational Test of the Flight Warning Computer (FWC)
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
AMM	33-14-00-710-001	Operational Test of the Lights
ASM	31-52/06	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the Flight Warning Computer (Ref. AMM TASK 31-50-00-710-002).

- 4. Fault Isolation
 - A. If the upper section of the F/O MASTER WARN light does not flash:
 - do the operational test of the annunciator light test system (Ref. AMM TASK 33-14-00-710-001).
 - (1) If the upper section of the F/O MASTER WARN light stays off: - replace the LT-MASTER WARN, F/O (9WW2).
 - (a) If the fault continues:
 - do a check and repair the wiring from F/O MASTER WARN light (9WW2) pin A/7 to the first terminal block (Ref. ASM 31-52/06).

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EFF:

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- (2) If the upper section of the F/O MASTER WARN light flashes:
 replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref.
 AMM TASK 31-53-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from FWC2 (1WW2) pin AE/1A to the first terminal block (Ref. ASM 31-52/06).
- B. If the lower section of the F/O MASTER WARN light does not flash:
 do the operational test of the annunciator light test system (Ref. AMM TASK 33-14-00-710-001).
 - (1) If the lower section of the F/O MASTER WARN light stays off: - replace the LT-MASTER WARN, F/O (9WW2).
 - (a) If the fault continues:
 - do a check and repair the wiring from F/O MASTER WARN light
 (9WW2) pin A/4 to the first terminal block (Ref. ASM 31-52/06).
 - (2) If the lower section of the F/O MASTER WARN light flashes:
 replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from FWC1 (1WW1) pin AE/1A to the first terminal block (Ref. ASM 31-52/06).
- C. Do the test given in Para. 3.

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TASK 31-53-00-810-918

Failure of the CAPT MASTER CAUT Light

1. Possible Causes

- FWC-1 (1WW1)
- FWC-2 (1WW2)
- LT-MASTER CAUT, CAPT (11WW1)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE	DESIGNATION
AMM 74 FO 00 740 007	Occupational Test of the Octob Bate Access to take
AMM 31-50-00-710-003	Operational Test of the System Data Acquisition Concentrator (SDAC)
AMM 31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM 31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
AMM 33-14-00-710-001 ASM 31-52/06	Operational Test of the Lights

3. Fault Confirmation

A. Test

Do the operational test of the System Data Acquisition Concentrator (Ref. AMM TASK 31-50-00-710-003).

4. Fault Isolation

- A. If the upper section of the CAPT MASTER CAUT light does not come on: - do the operational test of the annunciator light test system (Ref. AMM TASK 33-14-00-710-001).
 - (1) If the upper section of the CAPT MASTER CAUT light stays off: - replace the LT-MASTER CAUT, CAPT (11WW1).
 - (a) If the fault continues:
 - do a check and repair the wiring from CAPT MASTER CAUT light (11WW1) pin A/7 to the first terminal block (Ref. ASM 31-52/06).

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- (2) If the upper section of the CAPT MASTER CAUT light comes on:
 replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from FWC1 (1WW1) pin AB/2G to the first terminal block (Ref. ASM 31-52/06).
- B. If the lower section of the CAPT MASTER CAUT light does not come on: - do the operational test of the annunciator light test system (Ref. AMM TASK 33-14-00-710-001).
 - (1) If the lower section of the CAPT MASTER CAUT light stays off: - replace the LT-MASTER CAUT, CAPT (11WW1).
 - (a) If the fault continues:
 - do a check and repair the wiring from CAPT MASTER CAUT light (11WW1) pin A/4 to the first terminal block (Ref. ASM 31-52/06).
 - (2) If the lower section of the CAPT MASTER CAUT light comes on: - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from FWC2 (1WW2) pin AB/2G to the first terminal block (Ref. ASM 31-52/06).
- C. Do the test given in Para. 3.

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TASK 31-53-00-810-919

Failure of the F/O MASTER CAUT Light

1. Possible Causes

- FWC-2 (1WW2)
- FWC-1 (1WW1)
- LT-MASTER CAUT, F/O (11WW2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
Al	MM 31-50-00-710-003	Operational Test of the System Data Acquisition Concentrator (SDAC)
Al	MM 31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
Al	MM 31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
	MM 33-14-00-710-001 SM 31-52/06	Operational Test of the Lights

3. Fault Confirmation

A. Test

Do the operational test of the System Data Acquisition Concentrator (Ref. AMM TASK 31-50-00-710-003).

4. Fault Isolation

- A. If the upper section of the F/O MASTER CAUT light does not come on:
 do the operational test of the annunciator light test system (Ref. AMM TASK 33-14-00-710-001).
 - (1) If the upper section of the F/O MASTER CAUT light stays off: - replace the LT-MASTER CAUT, F/O (11WW2).
 - (a) If the fault continues:
 - do a check and repair the wiring from F/O MASTER CAUT light (11WW2) pin A/7 to the first terminal block (Ref. ASM 31-52/06).

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- - (a) If the fault continues:
 - do a check and repair the wiring from FWC2 (1WW2) pin AE/2A to the first terminal block (Ref. ASM 31-52/06).
- B. If the lower section of the F/O MASTER CAUT light does not come on:

 do the operational test of the annunciator light test system (Ref. AMM TASK 33-14-00-710-001).
 - (1) If the lower section of the F/O MASTER CAUT light stays off: - replace the LT-MASTER CAUT, F/O (11WW2).
 - (a) If the fault continues:
 - do a check and repair the wiring from F/O MASTER CAUT light (11WW2) pin A/4 to the first terminal block (Ref. ASM 31-52/06).
 - - (a) If the fault continues:
 - do a check and repair the wiring from FWC1 (1WW1) pin AE/2A to the first terminal block (Ref. ASM 31-52/06).
- C. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-920

Failure of the CAPT AUTO LAND Warning Light

- 1. Possible Causes
 - FWC-1 (1WW1)
 - WARN LT-AUTO LAND, CAPT (13WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
АММ	31-53-34-000-001	Demoved of the Elight Hearing Computer (EUC)
AMM	31-33-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
AMM ASM	33-14-00-710-001 31-52/06	Operational Test of the Lights

3. Fault Confirmation

A. Test

Push the CAPT AUTO LAND warning light on the CAPT glareshield panel (131VU).

4. Fault Isolation

- A. If the upper section of the CAPT AUTO LAND warning light does not flash:
 do the operational test of the annunciator light test system (Ref. AMM TASK 33-14-00-710-001).
 - (1) If the upper section of the CAPT AUTO LAND warning light stays off: - replace the WARN LT-AUTO LAND, CAPT (13WW1).
 - (a) If the fault continues:
 - do a check and repair the wiring from CAPT AUTO LAND warning light (13WW1) pin A/7 to the first terminal block (Ref. ASM 31-52/06).
 - (2) If the upper section of the CAPT AUTO LAND warning light flashes: - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from FWC1 (1WW1) pin AB/1H to the first terminal block (Ref. ASM 31-52/06).

EFF: ALL 31-53

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TROUBLE SHOOTING MANUAL

- B. If the lower section of the CAPT AUTO LAND warning light does not flash:

 do the operational test of the annunciator light test system (Ref. AMM TASK 33-14-00-710-001).
 - (1) If the lower section of the CAPT AUTO LAND warning light stays off: - replace the WARN LT-AUTO LAND, CAPT (13WW1)
 - (a) If the fault continues:
 - do a check and repair the wiring from CAPT AUTO LAND warning light (13WW1) pin A/4 to the first terminal block (Ref. ASM 31-52/06).
 - (2) If the lower section of the CAPT AUTO LAND warning light flashes:
 replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from FWC2 (1WW2) pin AB/1H to the first terminal block (Ref. ASM 31-52/06).
- C. Do the test given in Para. 3.

EFF: ALL 31-53-00

TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-921

Failure of the F/O AUTO LAND Warning Light

- 1. Possible Causes
 - FWC-1 (1WW1)
 - FWC-2 (1WW2)
 - WARN LT-AUTO LAND, F/O (13WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM 31-53-	34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM 31-53-	34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
AMM 33-14- ASM 31-52/	00-710-001 06	Operational Test of the Lights

- 3. Fault Confirmation
 - A. Test

Push the F/O AUTO LAND warning light on the CAPT glareshield panel (130VU).

- 4. Fault Isolation
 - A. If the upper section of the F/O AUTO LAND warning light does not flash:
 do the operational test of the annunciator light test system (Ref. AMM TASK 33-14-00-710-001).
 - (1) If the upper section of the F/O AUTO LAND warning light stays off: - replace the WARN LT-AUTO LAND, F/O (13WW2).
 - (a) If the fault continues:
 - do a check and repair the wiring from F/O AUTO LAND warning light (13WW2) pin A/7 to the first terminal block (Ref. ASM 31-52/06).

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- (2) If the upper section of the F/O AUTO LAND warning light flashes:
 replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from FWC1 (1WW1) pin AE/1B to the first terminal block (Ref. ASM 31-52/06).
- B. If the lower section of the F/O AUTO LAND warning light does not flash:

 do the operational test of the annunciator light test system (Ref. AMM TASK 33-14-00-710-001).
 - (1) If the upper section of the F/O AUTO LAND warning light stays off: - replace the WARN LT-AUTO LAND, F/O (13WW2).
 - (a) If the fault continues:
 - do a check and repair the wiring from F/O AUTO LAND warning light (13WW2) pin A/4 to the first terminal block (Ref. ASM 31-52/06).
 - (2) If the lower section of the F/O AUTO LAND warning light flashes:
 replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from FWC2 (1WW2) pin AE/1B to the first terminal block (Ref. ASM 31-52/06).
- C. Do the test given in Para. 3.

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EFF:

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TASK 31-53-00-810-922

Failure of the Captain Loud Speaker

1. Possible Causes

- FWC-1 (1WW1)
- FWC-2 (1WW2)
- AUDIO MIXING (14WW)
- LOUD SPEAKER-CAPT (7WW)
- wiring
- C/B CAPT/LOUD/SPKR (5WW)

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-71-00-710-001	Operational Test of the CVR and the CVR Channel Recording	
AMM	31-50-00-710-002	Operational Test of the Flight Warning Computer (FWC)	
AMM	31-53-21-000-001	Removal of the Loudspeakers (7WW,8WW)	
AMM	31-53-21-400-001	Installation of the Loudspeakers (7WW,8WW)	
AMM	31-53-33-000-001	Removal of the Audio Mixing Box (15WW)	
AMM	31-53-33-400-001	Installation of the Audio Mixing Box (15WW)	
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
AMM	34-43-00-740-001	BITE Test of the TCAS	
AMM	34-48-00-710-001	Operational Test of GPWS Ground Self-test Function	
ASM	31-51/01	·	
ASM	31-52/04		

3. Fault Confirmation

A. Test

- (1) Do the operational test of the Flight Warning Computer (FWC) (Ref. AMM TASK 31-50-00-710-002) if the fault causes inhibition of all the aural warnings.
- (2) Do the operational test of the CVR and the CVR channel recording (Ref. AMM TASK 23-71-00-710-001) only if the fault causes inhibition of the audio signal related to the CVR.
- (3) Do the operational test of GPWS ground self-test function (Ref. AMM TASK 34-48-00-710-001) only if the fault causes inhibition of the audio signal related to the GPWS.

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EFF: ALL

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(4) Do the BITE test of the TCAS (Ref. AMM TASK 34-43-00-740-001) only if the fault causes inhibition of the audio signal related to the TCAS.

4. Fault Isolation

A. Table of the circuit breakers used in this procedure:

PANEL DESIGNATION

49VU CAPT/LOUD/SPKR

5WW F 10

**ON A/C 251-251, 457-475, 481-499, 503-549, 551-599,

121VU AUDIO MIXING

14WW K03

R **ON A/C 201-225, 227-227, 229-250, 252-299, 426-456, 476-480, 701-749,

- B. If the fault causes inhibition of all the aural warnings:
 - do a check of the status of the circuit breaker (5WW).
 - (1) If the circuit breaker is closed:
 - do a check for 28VDC at pin A/A of the loud speaker (7WW) (Ref. ASM 31-51/01).
 - (a) If there is 28VDC:
 - do a check for a ground signal at pins A/B and A/T of the loud speaker (7WW).
 - If there is a ground signal:
 - replace the LOUD SPEAKER-CAPT (7WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - a If the fault continues:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - . If the fault continues:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - * If the fault continues:
 - do a check and repair the wiring:
 - ** of the AUDIO OUT signal from the FWC1 (1WW1) to the loud speaker (7WW)
 - ** of the AUDIO OUT signal from the FWC2 (1WW2) to the loud speaker (7WW) (Ref. ASM 31-52/04).
 - If there is no ground signal:
 - do a check and repair the wiring of pins A/B and A/T from the loud speaker (7WW) to the first terminal block (Ref. ASM 31-51/01).

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- (b) If there is no 28VDC:
 - do a check for 28VDC at pin 2 of the circuit breaker (5WW)
 (Ref. ASM 31-51/01).
 - 1 If there is 28VDC:
 - do a check and repair the wiring from the circuit breaker (5WW) to the loud speaker (7WW) (Ref. ASM 31-51/01).
 - 2 If there is no 28VDC:
 - replace the C/B CAPT/LOUD/SPKR (5WW).
- (2) If the circuit breaker is open:
 - close the circuit breaker.
 - (a) If the circuit breaker trips:
 - replace the C/B CAPT/LOUD/SPKR (5WW).
 - 1 If the circuit breaker trips again:
 - replace the LOUD SPEAKER-CAPT (7WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - a If the circuit breaker trips again:
 - do a check for a short to ground and repair the wiring from the circuit breaker (5WW) to the loud speaker (7WW) (Ref. ASM 31-51/01).
- C. If the fault only causes inhibition of the audio signal related to the CVR or TCAS:
 - replace the LOUD SPEAKER-CAPT (7WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of pins A/R and A/S from the loud speaker (7WW) to the first terminal block (Ref. ASM 31-52/04).
- R **ON A/C 251-251, 457-475, 481-499, 503-549, 551-599,
 - B. If the fault causes inhibition of all the aural warnings:
 - do a check of the status of the circuit breaker (5WW).
 - do a check of the status of the circuit breaker (14WW).
 - (1) if the circuit breaker (14WW) is closed:
 - do a check for 28VDC at pin A/L of the audio mixing box (15WW)
 (Ref. ASM 31-51/01):
 - (a) if there is 28VDC:

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replace the audio mixing box (15WW) (Ref. AMM TASK 31-53-33-000-001) and (Ref. AMM TASK 31-53-33-400-001).

EFF: ALL 31-53-00

TROUBLE SHOOTING MANUAL

- (b) if there is no 28VDC:
 - do a check for 28VDC at the circuit breaker (14WW):
 - 1 if there is 28VDC:
 - do a check and repair the wiring from the circuit breaker (14WW) to the audio mixing box (15WW).
 - 2 if there is no 28VDC:
 - replace AUDIO MIXING (14WW).
- (2) if the circuit breaker (14WW) is open: - close the circuit breaker (14WW).
 - (a) if the circuit breaker trips:
 - replace the AUDIO MIXING (14WW).
 - if the circuit breaker trips again
 - replace the audio mixing box (15WW) (Ref. AMM TASK 31-53-33-000-001) and (Ref. AMM TASK 31-53-33-400-001).
- (3) If the circuit breaker (5WW) is closed:
 - do a check for 28VDC at pin A/A of the loud speaker (7WW) (Ref. ASM 31-51/01).
 - (a) If there is 28VDC:
 - do a check for a ground signal at pins A/B and A/T of the loud speaker (7WW).
 - If there is a ground signal:
 - replace the LOUD SPEAKER-CAPT (7WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - If the fault continues:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - . If the fault continues:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - * If the fault continues:
 - do a check and repair the wiring:
 - ** of the AUDIO OUT signal from the FWC1 (1WW1) to the loud speaker (7WW)
 - ** of the AUDIO OUT signal from the FWC2 (1WW2) to the loud speaker (7WW) (Ref. ASM 31-52/04).
 - If there is no ground signal:
 - do a check and repair the wiring of pins A/B and A/T from the loud speaker (7WW) to the first terminal block (Ref. ASM 31-51/01).

251-251, 457-475, 481-499, 503-549, EFF:

551-599,

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- (b) If there is no 28VDC:
 - do a check for 28VDC at pin 2 of the circuit breaker (5WW)
 (Ref. ASM 31-51/01).
 - 1 If there is 28VDC:
 - do a check and repair the wiring from the circuit breaker (5WW) to the loud speaker (7WW) (Ref. ASM 31-51/01).
 - 2 If there is no 28VDC:
 - replace the C/B CAPT/LOUD/SPKR (5WW).
- (4) If the circuit breaker is open:
 - close the circuit breaker.
 - (a) If the circuit breaker trips:
 - replace the C/B CAPT/LOUD/SPKR (5WW).
 - 1 If the circuit breaker trips again:
 - replace the LOUD SPEAKER-CAPT (7WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - a If the circuit breaker trips again:
 - do a check for a short to ground and repair the wiring from the circuit breaker (5WW) to the loud speaker (7WW) (Ref. ASM 31-51/01).
- C. If the fault only causes inhibition of the audio signal related to the CVR or TCAS:
 - replace the LOUD SPEAKER-CAPT (7WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of pins A/R and A/S from the loud speaker (7WW) to the audio mixing box (15WW) pins J, K (Ref. ASM 31-52/04).

**ON A/C ALL

- D. If the fault only causes inhibition of the aural warnings related to the GPWS:
 - replace the LOUD SPEAKER-CAPT (7WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of pins A/K and A/L from the loud speaker (7WW) to the first terminal block (Ref. ASM 31-52/04).
- E. Do the test given in Para. 3.

EFF: ALL

31-53-00

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TASK 31-53-00-810-923

Failure of the First Officer Loud Speaker

1. Possible Causes

- FWC-1 (1WW1)
- FWC-2 (1WW2)
- AUDIO MIXING (14WW)
- LOUD SPEAKER-F/O (8WW)
- wiring
- C/B-F/O/LOUD/SPKR (4WW)
- LOUD SPEAKER-CAPT (7WW)
- C/B CAPT/LOUD/SPKR (5WW)

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
АММ	23-71-00-710-001	Operational Test of the CVR and the CVR Channel	
		Recording	
AMM	31-50-00-710-002	Operational Test of the Flight Warning Computer (FWC)	
AMM	31-53-21-000-001	Removal of the Loudspeakers (7WW,8WW)	
AMM	31-53-21-400-001	Installation of the Loudspeakers (7WW,8WW)	
AMM	31-53-33-000-001	Removal of the Audio Mixing Box (15WW)	
AMM	31-53-33-400-001	Installation of the Audio Mixing Box (15WW)	
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC)	
		(1WW1,1WW2)	
AMM	31-53-34-400-001	Installation of the Flight Warning Computer (FWC)	
		(1WW1,1WW2)	
AMM	34-43-00-740-001	BITE Test of the TCAS	
AMM	34-43-00-740-004	Bite Test of the T2CAS	
AMM	34-48-00-710-001	Operational Test of GPWS Ground Self-test Function	
ASM	31-51/01		
ASM	31-52/04		

3. Fault Confirmation

R **ON A/C 201-225, 227-227, 229-245, 254-299, 426-499, 503-549, 551-599, R 701-749,

Printed in France

A. Test

(1) Do the operational test of the Flight Warning Computer (FWC) (Ref. AMM TASK 31-50-00-710-002) if the fault causes inhibition of all the aural warnings.

EFF: ALL **SROS**

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- (2) Do the operational test of the CVR and the CVR channel recording (Ref. AMM TASK 23-71-00-710-001) only if the fault causes inhibition of the audio signal related to the CVR.
- (3) Do the operational test of the GPWS ground self-test function (Ref. AMM TASK 34-48-00-710-001) only if the fault causes inhibition of the audio signal related to the GPWS.
- (4) Do the BITE test of the TCAS (Ref. AMM TASK 34-43-00-740-001) only if the fault causes inhibition of the audio signal related to the TCAS.

**ON A/C 247-253,

A. Test

- (1) Do the operational test of the Flight Warning Computer (FWC) (Ref. AMM TASK 31-50-00-710-002) if the fault causes inhibition of all the aural warnings.
- (2) Do the operational test of the CVR and the CVR channel recording (Ref. AMM TASK 23-71-00-710-001) only if the fault causes inhibition of the audio signal related to the CVR.
- (3) Do the BITE test of the T2CAS (TAWS part) (Ref. AMM TASK 34-43-00-740-004) only if the fault causes inhibition of the audio signal related to the GPWS.
- (4) Do the BITE test of the T2CAS (TCAS part) (Ref. AMM TASK 34-43-00-740-004) only if the fault causes inhibition of the audio signal related to the TCAS.

**ON A/C ALL

4. Fault Isolation

A. Table of the circuit breakers used in this procedure:

PANEL DESIGNATION IDENT. LOCATION

121VU EIS/F/O/LOUD/SPKR 4WW P08

**ON A/C 251-251, 457-475, 481-499, 503-549, 551-599,

121VU AUDIO MIXING 14WW KO3

EFF: ALL 31-53-00

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- R **ON A/C 201-225, 227-227, 229-250, 252-299, 426-456, 476-480, 701-749,
 - B. If the fault causes inhibition of all the aural warnings:

 do a check of the status of the circuit breaker (4WW).
 - (1) If the circuit breaker is closed:
 - do a check for 28VDC at pin A/A of the loud speaker (8WW) (Ref. ASM 31-51/01).
 - (a) If there is 28VDC:
 - do a check for a ground signal at pins A/B and A/T of the loud speaker (8WW).
 - 1 If there is a ground signal:
 - replace the LOUD SPEAKER-F/O (8WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - a If the fault continues:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - . If the fault continues:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - * If the fault continues:
 - do a check and repair the wiring:
 - ** of the AUDIO OUT signal from the FWC1 (1WW1) to the loud speaker (8WW)
 - ** of the AUDIO OUT signal from the FWC2 (1WW2) to the loud speaker (8WW) (Ref. ASM 31-52/04).
 - 2 If there is no ground signal:
 - do a check and repair the wiring of the pins A/B and A/T from the loud speaker (8WW) to the first terminal block (Ref. ASM 31-51/01).
 - (b) If there is no 28VDC:
 - do a check for 28VDC at pin 2 of the circuit breaker (4WW) (Ref. ASM 31-51/01).
 - 1 If there is 28VDC:
 - do a check and repair the wiring from the circuit breaker (4WW) to the loud speaker (8WW) (Ref. ASM 31-51/01).
 - 2 If there is no 28VDC:
 - replace the C/B-F/O/LOUD/SPKR (4WW).

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- (2) If the circuit breaker is open:
 - close the circuit breaker.
 - (a) If the circuit breaker trips:
 - replace the C/B-F/O/LOUD/SPKR (4WW).
 - 1 If the circuit breaker trips again:
 - replace the LOUD SPEAKER-F/O (8WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - (b) If the circuit breaker trips again:
 - do a check for a short to ground and repair the wiring from the circuit breaker (4WW) to the loud speaker (8WW) (Ref. ASM 31-51/01).
- C. If the fault only causes inhibition of the audio signal related to the CVR or TCAS
 - replace the LOUD SPEAKER-F/O (8WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of pins A/R and A/S from the loud speaker (8WW) to the first terminal block (Ref. ASM 31-52/04).
- R **ON A/C 251-251, 457-475, 481-499, 503-549, 551-599,
 - B. If the fault causes inhibition of all the aural warnings:
 - do a check of the status of the circuit breaker (4WW).
 - do a check of the status of the circuit breaker (14WW).
 - (1) if the circuit breaker (14WW) is closed:
 - do a check for 28VDC at pin A/L of the audio mixing box (15WW)
 (Ref. ASM 31-51/01):
 - (a) if there is 28VDC:
 - replace the audio mixing box (15WW) (Ref. AMM TASK 31-53-33-000-001) and (Ref. AMM TASK 31-53-33-400-001).
 - (b) if there is no 28VDC:
 - do a check for 28VDC at the circuit breaker (14WW):
 - 1 if there is 28VDC:
 - do a check and repair the wiring from the circuit breaker
 (14WW) to the audio mixing box (15WW).
 - 2 if there is no 28VDC:
 - replace AUDIO MIXING (14WW).

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TROUBLE SHOOTING MANUAL

- (2) if the circuit breaker (14WW) is open:
 - close the circuit breaker (14WW).
 - (a) if the circuit breaker trips:
 - replace the AUDIO MIXING (14WW).
 - 1 if the circuit breaker trips again
 - replace the audio mixing box (15WW) (Ref. AMM TASK 31-53-33-000-001) and (Ref. AMM TASK 31-53-33-400-001).
- (3) If the circuit breaker (4WW) is closed:
 - do a check for 28VDC at pin A/A of the loud speaker (7WW) (Ref. ASM 31-51/01).
 - (a) If there is 28VDC:
 - do a check for a ground signal at pins A/B and A/T of the loud speaker (7WW).
 - 1 If there is a ground signal:
 - replace the LOUD SPEAKER-CAPT (7WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - a If the fault continues:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - . If the fault continues:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - * If the fault continues:
 - do a check and repair the wiring:
 - ** of the AUDIO OUT signal from the FWC1 (1WW1) to the loud speaker (7WW)
 - ** of the AUDIO OUT signal from the FWC2 (1WW2) to the loud speaker (7WW) (Ref. ASM 31-52/04).
 - 2 If there is no ground signal:
 - do a check and repair the wiring of pins A/B and A/T from the loud speaker (7WW) to the first terminal block (Ref. ASM 31-51/01).
 - (b) If there is no 28VDC:
 - do a check for 28VDC at pin 2 of the circuit breaker (5WW)
 (Ref. ASM 31-51/01).
 - 1 If there is 28VDC:
 - do a check and repair the wiring from the circuit breaker (5WW) to the loud speaker (7WW) (Ref. ASM 31-51/01).
 - 2 If there is no 28VDC:
 - replace the C/B CAPT/LOUD/SPKR (5WW).

EFF: 251-251, 457-475, 481-499, 503-549, 551-599,

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- (4) If the circuit breaker is open:
 - close the circuit breaker.
 - (a) If the circuit breaker trips:
 - replace the C/B CAPT/LOUD/SPKR (5WW).
 - 1 If the circuit breaker trips again:
 - replace the LOUD SPEAKER-CAPT (7WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - a If the circuit breaker trips again:
 - do a check for a short to ground and repair the wiring from the circuit breaker (5WW) to the loud speaker (7WW) (Ref. ASM 31-51/01).
- C. If the fault only causes inhibition of the audio signal related to the CVR or TCAS
 - replace the LOUD SPEAKER-F/O (8WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of pins A/R and A/S from the loud speaker (8WW) to the audio mixing box (15WW) pins G, H (Ref. ASM 31-52/04).

**ON A/C ALL

- D. If the fault only causes inhibition of the aural warnings related to the GPWS:
 - replace the LOUD SPEAKER-F/O (8WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of pins A/K and A/L from the loud speaker (8WW) to the first terminal block (Ref. ASM 31-52/04).
- E. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-940

Loss of the LH FLP SYNC Signal Output by the FWC2

1. Possible Causes

- FWC-2 (1WW2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM AMM	31-50-00-710-001 31-53-34-000-001	Ground Scanning of the Central Warning System Removal of the Flight Warning Computer (FWC)	
AMM	31-53-34-400-001	(1WW1,1WW2) Installation of the Flight Warning Computer (FWC)	
AITH	31-33-34-400-001	(1WW1,1WW2)	
ASM	27-55/01		

3. Fault Confirmation

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC2: LH FLP SYNC 3CNA:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the defective wiring, from the FWC2 (1WW2) pins AA/13B, 13C, 13D to the first terminal block (Ref. ASM 27-55/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-941

Loss of the LH SLT SYNC Signal Output by the FWC2

1. Possible Causes

- FWC-2 (1WW2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	27-85/01	·

3. Fault Confirmation

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC2: LH SLT SYNC 4CNA:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the defective wiring, from the FWC2 (1WW2) pins AA/13G, 13H, 13J to the first terminal block (Ref. ASM 27-85/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-942

Loss of the RH FLP SYNC Signal Output by the FWC2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	27-55/01	

- 3. Fault Confirmation
 - A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: RH FLP SYNC 3CNB:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the defective wiring, from the FWC2 (1WW2) pins AD/13F, 13G, 13H to the first terminal block (Ref. ASM 27-55/01).
 - B. Do the test given in Para. 3.

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R

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EFF:

ALL

TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-943

Loss of the RH SLT SYNC Signal Output by the FWC2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	27-85/01	·

3. Fault Confirmation

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC2: RH SLT SYNC 4CNB:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the defective wiring, from the FWC2 (1WW2) pins AD/13A, 13B, 13C to the first terminal block (Ref. ASM 27-85/01).
- B. Do the test given in Para. 3.

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EFF:

ALL

TROUBLE SHOOTING MANUAL

R **ON A/C 247-275, 287-299, 429-475, 481-499, 503-549, 551-599,

TASK 31-53-00-810-944

Loss of the ATSU BUS of the FWC1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION		
	31-50-00-710-001	Ground Scanning of the Central Warning System		
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)		
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>		
ASM	46-21/06	(
3. Fault Confirmation				
**ON A/C 247-275, 287-299, 429-475, 481-499, 503-549, 551-599,				
Post SB 46-1001 For A/C 503-549, Post SB 46-1005 For A/C 551-557,				

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

EFF: 247-275, 287-299, 429-475, 481-499, 503-549, 551-599,

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**ON A/C 247-275, 287-299, 429-475, 481-499, 503-549, 551-599,

4. Fault Isolation

**ON A/C 247-275, 287-299, 429-475, 481-499, 503-549, 551-599,

Post SB 46-1001 For A/C 503-549, Post SB 46-1005 For A/C 551-557,

A. If the test gives the maintenance message

FWC1: NO DATA FROM ACARS

or

FWC1: NO DATA FROM ATSU:

- (1) replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (2) If the fault continues:
 - do a check and repair the wiring from FWC1 (1WW1) pins AE/5F, FF to the first terminal block, (Ref. ASM 46-21/06).
- B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

**ON A/C 247-275, 287-299, 429-475, 481-499, 503-549, 551-599,

TASK 31-53-00-810-945

Loss of the ATSU BUS of the FWC2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	46-21/06	

3. Fault Confirmation

**ON A/C 247-275, 287-299, 429-475, 481-499, 503-549, 551-599,

Post SB 46-1001 For A/C 503-549, Post SB 46-1005 For A/C 551-557,

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

**ON A/C 247-275, 287-299, 429-475, 481-499, 503-549, 551-599,

4. Fault Isolation

**ON A/C 247-275, 287-299, 429-475, 481-499, 503-549, 551-599,

Post SB 46-1001 For A/C 503-549, Post SB 46-1005 For A/C 551-557,

A. If the test gives the maintenance message

FWC2: NO DATA FROM ACARS

or

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FWC2: NO DATA FROM ATSU:

- (1) replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (2) If the fault continues:
 - do a check and repair the wiring from FWC1 (1WW1) pins AE/5E, 5F to the first terminal block, (Ref. ASM 46-21/06).
- B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-53-00-810-948

Loss of the SATCOM BUS of the FWC1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - SDU (105RV1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-28-34-000-001	Removal of the Satellite Data Unit (SDU) 105RV1
AMM	23-28-34-400-001	Installation of the Satellite Data Unit (SDU) 105RV1
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>

3. Fault Confirmation

**ON A/C ALL

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Post SB 31-1141 For A/C 202-202,205-205,232-232,245-247,276-277,280-280, 282-282,284-285,426-429,476-480,503-549,551-555, Post SB 31-1257 For A/C 201-225,227-227,229-247,276-299,426-429,476-480, 503-549,551-555,701-749,
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A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

EFF: ALL

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**ON A/C ALL

4. Fault Isolation

**ON A/C ALL

Post SB 31-1141 For A/C 202-202,205-205,232-232,245-247,276-277,280-280, 282-282,284-285,426-429,476-480,503-549,551-555, R Post SB 31-1257 For A/C 201-225,227-227,229-247,276-299,426-429,476-480, R 503-549,551-555,701-749,

A. If the test gives the maintenance message:

FWC1: NO DATA FROM THE SATCOM

- (1) replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (2) If the fault continues:
 - replace the SDU (105RV1) (Ref. AMM TASK 23-28-34-000-001) and (Ref. AMM TASK 23-28-34-400-001).
- B. Do the test given in Para. 3.

EFF: ALL 31-53-00

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**ON A/C ALL

TASK 31-53-00-810-949

Loss of the SATCOM BUS of the FWC2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - SDU (105RV1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-28-34-000-001	Removal of the Satellite Data Unit (SDU) 105RV1
AMM	23-28-34-400-001	Installation of the Satellite Data Unit (SDU) 105RV1
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>

3. Fault Confirmation

**ON A/C ALL

SROS

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Post SB 31-1141 For A/C 202-202,205-205,232-232,245-247,276-277,280-280, 282-282,284-285,426-429,476-480,503-549,551-555, Post SB 31-1257 For A/C 201-225,227-227,229-247,276-299,426-429,476-480, 503-549,551-555,701-749,
```

A. Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

EFF: ALL

31-53-00

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**ON A/C ALL

4. Fault Isolation

**ON A/C ALL

Post SB 31-1141 For A/C 202-202,205-205,232-232,245-247,276-277,280-280, 282-282,284-285,426-429,476-480,503-549,551-555, R Post SB 31-1257 For A/C 201-225,227-227,229-247,276-299,426-429,476-480, R 503-549,551-555,701-749,

A. If the test gives the maintenance message:

FWC2: NO DATA FROM SATCOM

- (1) replace the FWC-2 (1WW2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (2) If the fault continues:
 - replace the SDU (105RV1) (Ref. AMM TASK 23-28-34-000-001) and (Ref. AMM TASK 23-28-34-400-001).
- B. Do the test given in Para. 3.

EFF: ALL 31-53-00

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**ON A/C ALL

TASK 31-53-00-810-950

Detection of incorrect AOA value from the ADR1 to the FWC1

- 1. Possible Causes
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 34-11-19-000-001	Removal of the Angle of Attack Sensor (3FP1, 3FP2, 3FP3)	
AMM 34-11-19-200-001	<pre>Inspection of the Angle-Of-Attack Sensor (3FP1, 3FP2, 3FP3)</pre>	
AMM 34-11-19-400-001	<pre>Installation of the Angle of Attack Sensor (3FP1, 3FP2, 3FP3)</pre>	
AMM 34-13-00-710-006	Operational Test of the AOA SENSOR TEST	
3. Fault Confirmation		

- - A. Not applicable
- 4. Fault Isolation
 - A. If the PFR gives the maintenance message FWC1 :ADC1 (1FP1) AOA SIGNAL and the maintenance status ADR 1:
 - (1) Do a check of the AOA sensor 1 (Ref. AMM TASK 34-11-19-200-001).
 - (a) If there is a hard point or damage on the vane, replace the AOA sensor 1 (Ref. AMM TASK 34-11-19-000-001) and (Ref. AMM TASK 34-11-19-400-001).
 - (2) Do the operational test of the AOA SENSOR TEST (Ref. AMM TASK 34-13-00-710-006).
 - (a) If the results of the test are not satisfactory:
 - Replace the AOA sensor 1 (Ref. AMM TASK 34-11-19-000-001) and (Ref. AMM TASK 34-11-19-400-001).

31-53-00 EFF: ALL

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TASK 31-53-00-810-951

Detection of incorrect AOA value from the ADR2 to the FWC1

- 1. Possible Causes
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
	7/ 44 40 000 004	Daniel of the April of Attack Course (7504 7502
AMM	34-11-19-000-001	Removal of the Angle of Attack Sensor (3FP1, 3FP2, 3FP3)
AMM	34-11-19-200-001	<pre>Inspection of the Angle-Of-Attack Sensor (3FP1, 3FP2, 3FP3)</pre>
AMM	34-11-19-400-001	<pre>Installation of the Angle of Attack Sensor (3FP1, 3FP2, 3FP3)</pre>
AMM	34-13-00-710-006	Operational Test of the AOA SENSOR TEST
3. F	ault Confirmation	

- 3. Fault Confirmation
 - A. Not applicable
- 4. Fault Isolation
 - A. If the PFR gives the maintenance message FWC1 :ADC2 (1FP2) AOA SIGNAL and the maintenance status ADR 2:
 - (1) Do a check of the AOA sensor 2 (Ref. AMM TASK 34-11-19-200-001).
 - (a) If there is a hard point or damage on the vane, replace the AOA sensor 2 (Ref. AMM TASK 34-11-19-000-001) and (Ref. AMM TASK 34-11-19-400-001).
 - (2) Do the operational test of the AOA SENSOR TEST (Ref. AMM TASK 34-13-00-710-006).
 - (a) If the results of the test are not satisfactory: - Replace the AOA sensor 2 (Ref. AMM TASK 34-11-19-000-001) and (Ref. AMM TASK 34-11-19-400-001).

31-53-00 EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-952

Detection of incorrect AOA value from the ADR3 to the FWC1

- 1. Possible Causes
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 34-11-19-000-001	Removal of the Angle of Attack Sensor (3FP1, 3FP2, 3FP3)	
AMM 34-11-19-200-001	<pre>Inspection of the Angle-Of-Attack Sensor (3FP1, 3FP2, 3FP3)</pre>	
AMM 34-11-19-400-001	<pre>Installation of the Angle of Attack Sensor (3FP1, 3FP2, 3FP3)</pre>	
AMM 34-13-00-710-006	Operational Test of the AOA SENSOR TEST	
7 Fault Confirmation		

- 3. Fault Confirmation
 - A. Not applicable
- 4. Fault Isolation
 - A. If the PFR gives the maintenance message FWC1 :ADC3 (1FP3) AOA SIGNAL and the maintenance status ADR 3:
 - (1) Do a check of the AOA sensor 3 (Ref. AMM TASK 34-11-19-200-001).
 - (a) If there is a hard point or damage on the vane, replace the AOA sensor 3 (Ref. AMM TASK 34-11-19-000-001) and (Ref. AMM TASK 34-11-19-400-001).
 - (2) Do the operational test of the AOA SENSOR TEST (Ref. AMM TASK 34-13-00-710-006).
 - (a) If the results of the test are not satisfactory:Replace the AOA sensor 3 (Ref. AMM TASK 34-11-19-000-001) and (Ref. AMM TASK 34-11-19-400-001).

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TASK 31-53-00-810-953

Detection of incorrect AOA value from the ADR1 to the FWC2

- 1. Possible Causes
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 34-11-19-000-001	Removal of the Angle of Attack Sensor (3FP1, 3FP2, 3FP3)	
AMM 34-11-19-200-001	<pre>Inspection of the Angle-Of-Attack Sensor (3FP1, 3FP2, 3FP3)</pre>	
AMM 34-11-19-400-001	<pre>Installation of the Angle of Attack Sensor (3FP1, 3FP2, 3FP3)</pre>	
AMM 34-13-00-710-006	Operational Test of the AOA SENSOR TEST	
3 Fault Confirmation		

- 3. Fault Confirmation
 - A. Not applicable
- 4. Fault Isolation
 - A. If the PFR gives the maintenance message FWC2 :ADC1 (1FP1) AOA SIGNAL and the maintenance status ADR 1:
 - (1) Do a check of the AOA sensor 1 (Ref. AMM TASK 34-11-19-200-001).
 - (a) If there is a hard point or damage on the vane, replace the AOA sensor 1 (Ref. AMM TASK 34-11-19-000-001) and (Ref. AMM TASK 34-11-19-400-001).
 - (2) Do the operational test of the AOA SENSOR TEST (Ref. AMM TASK 34-13-00-710-006).
 - (a) If the results of the test are not satisfactory:Replace the AOA sensor 1 (Ref. AMM TASK 34-11-19-000-001) and (Ref. AMM TASK 34-11-19-400-001).

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TASK 31-53-00-810-954

Detection of incorrect AOA value from the ADR2 to the FWC2

- 1. Possible Causes
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
АММ	34-11-19-000-001	Removal of the Angle of Attack Sensor (3FP1, 3FP2,
A	34 11 17 000 001	3FP3)
AMM	34-11-19-200-001	<pre>Inspection of the Angle-Of-Attack Sensor (3FP1, 3FP2, 3FP3)</pre>
AMM	34-11-19-400-001	<pre>Installation of the Angle of Attack Sensor (3FP1, 3FP2, 3FP3)</pre>
AMM	34-13-00-710-006	Operational Test of the AOA SENSOR TEST
7 Fault Confirmation		

- 3. Fault Confirmation
 - A. Not applicable
- 4. Fault Isolation
 - A. If the PFR gives the maintenance message FWC2 :ADC2 (1FP2) AOA SIGNAL and the maintenance status ADR 2:
 - (1) Do a check of the AOA sensor 2 (Ref. AMM TASK 34-11-19-200-001).
 - (a) If there is a hard point or damage on the vane, replace the AOA sensor 2 (Ref. AMM TASK 34-11-19-000-001) and (Ref. AMM TASK 34-11-19-400-001).
 - (2) Do the operational test of the AOA SENSOR TEST (Ref. AMM TASK 34-13-00-710-006).
 - (a) If the results of the test are not satisfactory:Replace the AOA sensor 2 (Ref. AMM TASK 34-11-19-000-001) and (Ref. AMM TASK 34-11-19-400-001).

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TASK 31-53-00-810-955

Detection of incorrect AOA value from the ADR3 to the FWC2

- 1. Possible Causes
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	34-11-19-000-001	Removal of the Angle of Attack Sensor (3FP1, 3FP2, 3FP3)	
AMM	34-11-19-200-001	<pre>Inspection of the Angle-Of-Attack Sensor (3FP1, 3FP2, 3FP3)</pre>	
AMM	34-11-19-400-001	<pre>Installation of the Angle of Attack Sensor (3FP1, 3FP2, 3FP3)</pre>	
AMM	34-13-00-710-006	Operational Test of the AOA SENSOR TEST	
7 5	ault Confirmation		

- 3. Fault Confirmation
 - A. Not applicable
- 4. Fault Isolation
 - A. If the PFR gives the maintenance message FWC2 :ADC3 (1FP3) AOA SIGNAL and the maintenance status ADR 3:
 - (1) Do a check of the AOA sensor 3 (Ref. AMM TASK 34-11-19-200-001).
 - (a) If there is a hard point or damage on the vane, replace the AOA sensor 3 (Ref. AMM TASK 34-11-19-000-001) and (Ref. AMM TASK 34-11-19-400-001).
 - (2) Do the operational test of the AOA SENSOR TEST (Ref. AMM TASK 34-13-00-710-006).
 - (a) If the results of the test are not satisfactory:Replace the AOA sensor 3 (Ref. AMM TASK 34-11-19-000-001) and (Ref. AMM TASK 34-11-19-400-001).

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TASK 31-53-00-810-956

Unwanted (Spurious) Warnings/Indications from the FWC

- 1. Possible Causes
 - FWC-1 (1WW1)
 - FWC-2 (1WW2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-53-34-000-001 AMM 31-53-34-400-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2) Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)

- 3. Fault Confirmation
 - A. Not Applicable
- 4. Fault Isolation
 - A. If an unwanted (spurious) warning/indication is shown on the ECAM display units:
 - (1) Remove the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001). Make sure that the warning/indication is not shown.

 - (b) If the warning/indication is shown:
 - install the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-400-001).
 - remove the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001).
 - (c) If the warning/indication is not shown:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-400-001).

<u>NOTE</u>: If the warning/indication stays on the ECAM display units, then, a failure of the FWCs is not the cause of this ECAM warning/indication.

EFF: ALL

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TASK 31-53-00-810-957

R No FWC Call-Out Announcements

- 1. Possible Causes
 - FWC-2 (1WW2)
 - FWC-1 (1WW1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-006	Operational Test of the Automatic Call-Out
AMM 31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM 31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>

- 3. Fault Confirmation
 - A. Not Applicable
- 4. Fault Isolation
 - A. Table of the circuit breakers used in this procedure:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	FWS/FWC1/SPLY	3WW	F01
12 1VU	EIS/FWC2/SPLY	2WW	Q07

- B. If the fault symptom is identified by the crew observation NO AUTOMATIC CALL-OUT DURING LANDING PHASE:
 - Open, safety and tag the circuit breaker (3WW).
 - Do the operational test of the automatic call-out (Ref. AMM TASK 31-50- 00-710-006).
- (1) If you do not hear the automatic call-out announcements during the test:
 - Replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - Do the operational test of the automatic call-out (Ref. AMM TASK 31-50-00-710-006).

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R	(2) If you do hear the automatic call-out announcements during the test
R	- Close the circuit breaker (3WW).
R	- Wait 50 seconds until the initialization of the FWC1 is completed
R	- Open, safety and tag the circuit breaker (2WW).
R	 Do the operational test of the automatic call-out (Ref. AMM TASK 31-50-00-710-006).
R	(a) If you do not hear the automatic call-out announcements during
R	the test:
R	- Replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and
R	(Ref. AMM TASK 31-53-34-400-001).
R	- Close the circuit breaker (2WW).
R	 Wait 50 seconds until the initialization of the FWC1 is
R	completed.
R	 Do the operational test of the automatic call-out (Ref. AMM TASK 31-50-00-710-006).

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EFF: ALL

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TASK 31-53-00-810-965

Only MASTER or WARN or CAUT section(s) of MASTER CAUT or/and MASTER WARN Lights on

- 1. Possible Causes
 - FWC-2 (1WW2)
 - FWC-1 (1WW1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	22-10-00-710-001	Operational Test of the Takeover and Priority Pushbutton Switches
AMM	22-30-00-710-003	Operational Test of the Engine / Autothrust System Isolation (with AIDS)
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>

3. Fault Confirmation

- A. Test
 - NOTE: During the tests, you must push the takeover and priority pushbutton switch or the A/THR instinctive disconnect pushbutton switch more than 0.2 second.
 - (1) Do the operational test of the takeover and priority pushbutton switches (Ref. AMM TASK 22-10-00-710-001).
 - (2) Do the operational test of the engine/autothrust system Isolation (with AIDS) (Ref. AMM TASK 22-30-00-710-003).
- 4. Fault Isolation
 - A. If the tests confirm the crew observation:
 - half light of MASTER CAUT Light on or/and
 - half light of MASTER WARN Light on

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- (1) Replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (2) If the fault continues:
 - Replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- B. Test
 - (1) Do the tests given in Para. 3.
 - (2) Make sure that the MASTER CAUT and MASTER WARN lights operate correctly.

EFF: ALL 31-53-00

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TROUBLE SHOOTING MANUAL

TASK 31-53-00-810-966

Loss of the Data Output Bus of the FWC1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-52/05	•

3. Fault Confirmation

A. Do the ground scanning of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

A. If the test gives the maintenance message:

FWC2 :NO DATA FROM OPPOSITE FWC

- replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring (Ref. ASM 31-52/05):
 - (a) from the FWC 1 (1WW1) pins AE/12B, 12C to the first terminal block.
 - (b) from the FWC 1 (1WW1) pins AB/12F, 12G to the first terminal block.
 - (c) from the FWC 1 (1WW1) pins AB/12J, 12K to the first terminal block.

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B. Do the test given in Para. 3.

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TASK 31-53-00-810-967

Loss of the Data Output Bus of the FWC2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM AMM	31-50-00-710-001 31-53-34-000-001	Ground Scanning of the Central Warning System Removal of the Flight Warning Computer (FWC)
AMM	31-53-34-400-001	(1WW1,1WW2) Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)
ASM	31-52/05	(IWWI, IWWZ)

3. Fault Confirmation

A. Do the ground scanning of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

A. If the test gives the maintenance message:

FWC1 :NO DATA FROM OPPOSITE FWC

- replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring (Ref. ASM 31-52/05):
 - (a) from the FWC 2 (1WW2) pins AE/12B, 12C to the first terminal block.
 - (b) from the FWC 2 (1WW2) pins AB/12F, 12G to the first terminal block.
 - (c) from the FWC 2 (1WW2) pins AB/12J, 12K to the first terminal block.
- B. Do the test given in Para. 3.

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SDAC - ACQUISITION/INTERFACE - FAULT ISOLATION PROCEDURES

TASK 31-54-00-810-801

Loss of the ARINC 429 Bus 1 Output of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/04	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
- A. Test

SROS

R

Do the ground scanning of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

FWC1: NO DATA FROM SDAC2

- replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/9G,
 9H to the first terminal block , (Ref. ASM 31-54/04).
- B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TASK 31-54-00-810-802

Loss of the ARINC 429 Bus 2 Output of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>
ASM	31-54/04	

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - FWC 2 : NO DATA FROM SDAC2
 - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AE/9B,
 9C to the first terminal block , (Ref. ASM 31-54/04).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TASK 31-54-00-810-803

Failure of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring from the SDAC 2 (1WV2) pin AC/1 to the circuit breaker (2WV)
 - C/B-EIS/SDAC2/SPLY (2WV)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-51/01	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. Table of the circuit breakers used in this procedure:

PANEL DESIGNATION IDENT. LOCATION

121VU EIS/SDAC/2/SPLY 2WV Q06

- B. If the test gives the maintenance message: SDAC2
 - do a check of the status of the circuit breaker (2WV).
 - (1) If the circuit breaker (2WV) is closed:
 - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the SDAC 2 (1WV2) pin AC/1 to the circuit breaker (2WV), (Ref. ASM 31-51/01).
 - 1 If there is no continuity:
 repair the wiring given above.

EFF: ALL 31-54-00

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- 2 If there is continuity:
 - replace the C/B-EIS/SDAC2/SPLY (2WV).
- (2) If the circuit breaker (2WV) is open:
 close the circuit breaker.
 - - 1 If the fault continues: - do a check and repair for a short to ground
 - do a check and repair for a short to ground the wiring between the circuit breaker (2WV) and the SDAC 2 (1WV2).
- R C. Do the test given in Para. 3.

EFF: ALL

31-54-00

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TASK 31-54-00-810-808

Loss of the ARINC 429 Bus 1 Output of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/04	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

FWC1: NO DATA FROM SDAC1

- replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/9G,
 9H to the first terminal block , (Ref. ASM 31-54/04).
- B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TASK 31-54-00-810-809

Loss of the ARINC 429 Bus 2 Output of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/04	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

FWC2: NO DATA FROM SDAC1

- replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AE/9B,
 9C to the first terminal block , (Ref. ASM 31-54/04).
- B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-810

Failure of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring from the SDAC 1 (1WV1) pin AC/1 to the circuit breaker (3WV)
 - C/B-SDAC1/SPLY (3WV)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-51/01	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. Table of the circuit breakers used in this procedure:

PANEL DESIGNATION IDENT. LOCATION
49VU SDAC/1/SPLY 3WV F04

- B. If the test gives the maintenance message: SDAC1
 - do a check of the status of the circuit breaker (3WV).
 - (1) If the circuit breaker (3WV) is closed:
 - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the SDAC 1 (1WV1) pin AC/1 to the circuit breaker (3WV), (Ref. ASM 31-51/01).
 - 1 If there is no continuity:
 repair the wiring given above.

EFF: ALL 31-54-00

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- 2 If there is continuity:
 replace the C/B-SDAC1/SPLY (3WV).
- (2) If the circuit breaker (3WV) is open:
 close the circuit breaker.
 - - 1 If the fault continues:
 - do a check and repair for a short to ground the wiring between the circuit breaker (3WV) and the SDAC 1 (1WV1).
- R C. Do the test given in Para. 3.

EFF: ALL

31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-817

Loss of the L Yellow Brake Pressure-Transducer Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-50-00-710-001 AMM 31-55-34-000-001

Ground Scanning of the Central Warning System

Removal of the SDAC (1WV1,1WV2)

AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

R AWM 31-54-70

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______

49VU L/G/Y BRK/PRESS/IND

61GG C10

B. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1 : LH Y BRK PRESS XDCR
 - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:

 do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/13C, 13D to the first terminal block, (Ref. AWM 31-54-70).

B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-818

Loss of the L Yellow Brake Pressure-Transducer Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)

AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

R AWM 31-54-70

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU L/G/Y BRK/PRESS/IND

61GG C10

B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2 : LH Y BRK PRESS XDCR 63GG:
 - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/13C, 13D to the first terminal block, (Ref. AWM 31-54-70).
 - B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

SROS

R

Printed in France

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-819

Loss of the L Yellow Brake Pressure-Transducer Input of the SDAC 1 and SDAC 2

- 1. Possible Causes
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

DESIGNATION

AMM 31-50-00-710-001 AWM 31-54-70

Ground Scanning of the Central Warning System

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

49VU L/G/Y BRK/PRESS/IND

61GG

C10

B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1: LH Y BRK PRESS XDCR 63GG:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/13C, 13D to the first terminal block, (Ref. AWM 31-54-70).
 - B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-820

Loss of the R Yellow Brake Pressure-Transducer Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

R AWM 31-54-70

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU L/G/Y BRK/PRESS/IND

61GG C10

- B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1 : RH Y BRK PRESS XDCR
 - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins
 AE/13G, 13H to the first terminal block, (Ref. AWM 31-54-70).
 - B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

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SROS

R

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-821

Loss of the R Yellow Brake Pressure-Transducer Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System
AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)
R AWM 31-54-70

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU L/G/Y BRK/PRESS/IND

61GG C10

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B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: RH Y BRK PRESS XDCR 62GG:
 - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/13G, 13H to the first terminal block, (Ref. AWM 31-54-70).
 - B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

SROS

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-822

Loss of the R Yellow Brake Pressure-Transducer Input of the SDAC 1 and SDAC 2

- 1. Possible Causes
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

DESIGNATION

AMM 31-50-00-710-001 AWM 31-54-70

Ground Scanning of the Central Warning System

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

49VU L/G/Y BRK/PRESS/IND

61GG

C10

B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1: RH Y BRK PRESS XDCR 62GG:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AE/13G, 13H to the first terminal block , (Ref. AWM 31-54-70).
 - B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

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R

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-823

Loss of the ENG 1 OIL QTY Input of the SDAC 1

- 1. Possible Causes
 - XMTR-OIL QTY (4002EN)
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 AMM 79-31-15-000-041 AMM 79-31-15-400-041 ASM 79-36/01	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2) Removal of the oil Quantity Transmitter (4002EN) Installation of the Oil Quantity Transmiter (4002EN)

- 3. Fault Confirmation
 - A. Not applicable, the fault is evident.
- 4. Fault Isolation
 - A. If the fault is identified by the maintenance message:

SDAC1: ENG1 OIL QTY XMTR 4002EN:

- (1) Replace the XMTR-OIL QTY (4002EN) (Ref. AMM TASK 79-31-15-000-041) and (Ref. AMM TASK 79-31-15-400-041).
- (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/15E, 15F to the OIL QTY XMTR (4002EN) pins A/3, 4 (Ref. ASM 79-36/01).
- (3) If the fault continues:
- replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and R (Ref. AMM TASK 31-55-34-400-001).

EFF: ALL **SROS**

31-54-00

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B. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

121VU ENGINE/ENG1/OIL/QTY

1EN1 N39

- C. Test
 - (1) Do the Ground Scanning of the central warning systems (SDAC) (Ref. AMM TASK 31-50-00-710-001).
 - (2) Make sure that the maintenance message SDAC1: ENG1 OIL QTY XMTR 4002EN is no more present.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-824

Loss of the ENG 1 OIL QTY Input of the SDAC 2

- 1. Possible Causes
 - XMTR-OIL QTY (4002EN)
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 AMM 79-31-15-000-041 AMM 79-31-15-400-041 ASM 79-36/01	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2) Removal of the oil Quantity Transmitter (4002EN) Installation of the Oil Quantity Transmiter (4002EN)

- 3. Fault Confirmation
 - A. Not applicable, the fault is evident.
- 4. Fault Isolation
 - A. If the fault is identified by the maintenance message:

SDAC2: ENG1 OIL QTY XMTR 4002EN:

- (1) Replace XMTR-OIL QTY (4002EN) (Ref. AMM TASK 79-31-15-000-041) and (Ref. AMM TASK 79-31-15-400-041).
- (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/15E, 15F to the OIL QTY XMTR (4002EN) pins A/3, 4 (Ref. ASM 79-36/01).
- (3) If the fault continues:

replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).

EFF: ALL

31-54-00

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TROUBLE SHOOTING MANUAL

B. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

121VU ENGINE/ENG1/OIL/QTY

1EN1 N39

- C. Test
 - (1) Do the Ground Scanning of the central warning systems (SDAC) (Ref. AMM TASK 31-50-00-710-001).
 - (2) Make sure that the maintenance message SDAC2: ENG1 OIL QTY XMTR 4002EN is no more present.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-825

Loss of the ENG 2 OIL QTY Input of the SDAC 1

- 1. Possible Causes
 - XMTR-OIL QTY (4002EN)
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System	REFERENCE	
AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2) AMM 79-31-15-000-041 Removal of the oil Quantity Transmitter (4002EN) AMM 79-31-15-400-041 Installation of the Oil Quantity Transmiter (4002EN) ASM 79-36/01	AMM 31-55-34-400-001 AMM 79-31-15-000-041 AMM 79-31-15-400-041	

- 3. Fault Confirmation
 - A. Not applicable, the fault is evident.
- 4. Fault Isolation
 - A. If the fault is identified by the maintenance message:

SDAC1: ENG2 OIL QTY XMTR 4002EN:

- (1) Replace XMTR-OIL QTY (4002EN) (Ref. AMM TASK 79-31-15-000-041) and (Ref. AMM TASK 79-31-15-400-041).
- (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins
 AE/15E, 15F to the OIL QTY XMTR (4002EN) pins A/3, 4 (Ref. ASM 79-36/01).
- (3) If the fault continues:
 - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).

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TROUBLE SHOOTING MANUAL

B. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

121VU ENGINE/ENG2/OIL/QTY

1EN2 N41

- C. Test
 - (1) Do the Ground Scanning of the central warning systems (SDAC) (Ref. AMM TASK 31-50-00-710-001).
 - (2) Make sure that the maintenance message SDAC1: ENG2 OIL QTY XMTR 4002EN is no more present.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-826

Loss of the ENG 2 OIL QTY Input of the SDAC 2

- 1. Possible Causes
 - XMTR-OIL QTY (4002EN)
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 AMM 79-31-15-000-041 AMM 79-31-15-400-041 ASM 79-36/01	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2) Removal of the oil Quantity Transmitter (4002EN) Installation of the Oil Quantity Transmiter (4002EN)

- 3. Fault Confirmation
 - A. Not applicable, the fault is evident.
- 4. Fault Isolation
 - A. If the fault is identified by the maintenance message:

SDAC2: ENG2 OIL QTY XMTR 4002EN:

- (1) Replace XMTR-OIL QTY (4002EN) (Ref. AMM TASK 79-31-15-000-041) and (Ref. AMM TASK 79-31-15-400-041).
- (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AE/15E, 15F to the OIL QTY XMTR (4002EN) pins A/3, 4 (Ref. ASM 79-36/01).
- (3) If the fault continues:
 - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).

EFF: ALL 31-54-00

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B. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

121VU ENGINE/ENG2/OIL/QTY

1EN2 N41

C. Test

- (1) Do the Ground Scanning of the central warning systems (SDAC) (Ref. AMM TASK 31-50-00-710-001).
- (2) Make sure that the maintenance message SDAC2: ENG2 OIL QTY XMTR 4002EN is no more present.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-827

Loss of the ENG 1 OIL PRESS Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 AMM 31-55-34-000-001

Ground Scanning of the Central Warning System

Removal of the SDAC (1WV1,1WV2)

AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

ASM 79-36/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION -----

121VU ENGINE/ENG1/OIL/PRESS

2EN1 N40

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1: ENG1 OIL PRESS XMTR
 - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/15C, 15D to the first terminal block, (Ref. ASM 79-36/01).
 - B. Do the test given in Para. 3.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-828

Loss of the ENG 1 OIL PRESS Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2)

AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2) ASM 79-36/01

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU ENGINE/ENG1/OIL/PRESS

2EN1 N40

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: ENG1 OIL PRESS XMTR 4003EN:
 - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/15C, 15D to the first terminal block, (Ref. ASM 79-36/01).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-829

Loss of the ENG 2 OIL PRESS Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 AMM 31-55-34-000-001

Ground Scanning of the Central Warning System

Removal of the SDAC (1WV1,1WV2)

AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

ASM 79-36/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION -----

121VU ENGINE/ENG2/OIL/PRESS

2EN2 N42

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1: ENG2 OIL PRESS XMTR
 - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AE/15G, 15H to the first terminal block , (Ref. ASM 79-36/01).
 - B. Do the test given in Para. 3.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-830

Loss of the ENG 2 OIL PRESS Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 79-36/01 Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU ENGINE/ENG2/OIL/PRESS

2EN2 N42

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2 : ENG2 OIL PRESS XMTR
 - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AE/15G, 15H to the first terminal block, (Ref. ASM 79-36/01).
 - B. Do the test given in Para. 3.

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ALL

EFF:

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-831

Loss of the BLUE RSVR QTY Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
- R EIS/SDAC/1/BUS1/26VAC SYNC AC (9WV)
- R wiring from the SDAC 1 (1WV1) pins AB/6D, 6E, 6F to the first terminal

R block

- wiring from the SDAC 1 (1WV1) pin AC/4 to the C/B 9WV
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)

AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

R ASM 31-51/01

R ASM 31-51/01 ASM 31-54/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

_

121VU HYDRAULIC/HYD/QTY/IND

1831GQ

P35

- B. Test
- Do the ground scanning of the central warning system (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1 : B HYD QTY IND 2000GQ replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/6D,
 6E, 6F to the first terminal block, (Ref. ASM 31-54/02).

R R

R

R

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

- R (2) If the fault continues:
 do a check for continuity of the wiring from the SDAC 1 (1WV1) pin
 AC/4 to the C/B 9WV, (Ref. ASM 31-51/01).

 R (a) If there is no continuity:
 replace the EIS/SDAC/1/BUS1/26VAC SYNC AC (9WV).
 - B. Do the test given in Para. 3.B.

EFF: ALL

31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-832

Loss of the BLUE RSVR QTY Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
- R - EIS/SDAC/2/BUS1/26VAC SYNC AC (10WV)
- wiring from the SDAC 2 (1WV2) pins AB/6D, 6E, 6F to the first terminal

R block

- wiring from the SDAC 2 (1WV2) pin AC/4 to the C/B 10WV
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1, 1WV2) AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

R ASM 31-51/01 ASM 31-54/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU HYDRAULIC/HYD/QTY/IND

1831GQ

P35

- B. Test
- Do the ground scanning of the central warning system (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2 : B HYD QTY IND 2000GQ:
 - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/6D, 6E, 6F to the first terminal block, (Ref. ASM 31-54/02).

R R

R

R

31-54-00 EFF: ALL

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TROUBLE SHOOTING MANUAL

- R (2) If the fault continues:
 do a check for continuity of the wiring from the SDAC 2 (1WV2) pin
 AC/4 to the C/B 10WV, (Ref. ASM 31-51/01).

 R (a) If there is no continuity:
 replace the EIS/SDAC/2/BUS1/26VAC SYNC AC (10WV).
 - B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-833

Loss of the GREEN RSVR QTY Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
- R EIS/SDAC/1/BUS1/26VAC SYNC AC (9WV)
- R wiring from the SDAC 1 (1WV1) pins AB/6A, 6B, 6C to the first terminal

R block

- wiring from the SDAC 1 (1WV1) pin AC/4 to the C/B 9WV

- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)

AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

R ASM 31-51/01

ASM 31-54/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

_

121VU HYDRAULIC/HYD/QTY/IND

1831GQ

P35

B. Test Do the ground scanning of the central warning system (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1: G HYD QTY IND 1000GQ: replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:

- do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/6A, 6B, 6C to the first terminal block, (Ref. ASM 31-54/02).

R R

R

R

EFF: ALL

31-54-00

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TROUBLE SHOOTING MANUAL

- R (2) If the fault continues:
 do a check for continuity of the wiring from the SDAC 1 (1WV1) pin
 AC/4 to the C/B 9WV, (Ref. ASM 31-51/01).

 R (a) If there is no continuity:
 replace the EIS/SDAC/1/BUS1/26VAC SYNC AC (9WV).
 - B. Do the test given in Para. 3.B.

EFF: ALL

31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-834

Loss of the GREEN RSVR QTY Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
- R EIS/SDAC/2/BUS1/26VAC SYNC AC (10WV)
- R wiring from the SDAC 2 (1WV2) pins AB/6A, 6B, 6C to the first terminal

R block

- wiring from the SDAC 2 (1WV2) pin AC/4 to the C/B 10WV
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System
AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)
R ASM 31-51/01

ASM 31-54/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU HYDRAULIC/HYD/QTY/IND

..., ...

1831GQ

P35

- B. Test
- Do the ground scanning of the central warning system (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2 : G HYD QTY IND 1000GQ:
 - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/6A, 6B, 6C to the first terminal block, (Ref. ASM 31-54/02).

R R

R

R

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

- R (2) If the fault continues:
 do a check for continuity of the wiring from the SDAC 2 (1WV2) pin
 R AC/4 to the C/B 10WV, (Ref. ASM 31-51/01).

 R (a) If there is no continuity:
 replace the EIS/SDAC/2/BUS1/26VAC SYNC AC (10WV).
 - B. Do the test given in Para. 3.B.

EFF: ALL

31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-835

Loss of the YELLOW RSVR QTY Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
- EIS/SDAC/1/BUS1/26VAC SYNC AC (9WV)
- wiring from the SDAC 1 (1WV1) pins AE/6H, 6J, 6K to the first terminal

R block

R

- wiring from the SDAC 1 (1WV1) pin AC/4 to the C/B 9WV
 - 2. Job Set-up Information
 - A. Referenced Information

______ REFERENCE **DESIGNATION**

Ground Scanning of the Central Warning System AMM 31-50-00-710-001 AMM 31-55-34-000-001 Removal of the SDAC (1WV1, 1WV2) AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

R ASM 31-51/01

ASM 31-54/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION ______

IDENT. LOCATION

121VU HYDRAULIC/HYD/QTY/IND

1831GQ

P35

- B. Test
- Do the ground scanning of the central warning system (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1 : Y HYD QTY IND 3000GQ:
 - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AE/6H, 6J, 6K to the first terminal block, (Ref. ASM 31-54/02).

R R

R

R

31-54-00 EFF: ALL

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TROUBLE SHOOTING MANUAL

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R (2) If the fault continues:
    - do a check for continuity of the wiring from the SDAC 1 (1WV1) pin
    AC/4 to the C/B 9WV, (Ref. ASM 31-51/01).

R (a) If there is no continuity:
    - replace the EIS/SDAC/1/BUS1/26VAC SYNC AC (9WV).
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B. Do the test given in Para. 3.B.

EFF: ALL

31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-836

Loss of the YELLOW RSVR QTY Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
- R EIS/SDAC/2/BUS1/26VAC SYNC AC (10WV)
- R wiring from the SDAC 2 (1WV2) pins AE/6H, 6J, 6K to the first terminal
- R block
 - wiring from the SDAC 2 (1WV2) pin AC/4 to the C/B 10WV
 - 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System
AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)
R ASM 31-51/01

ASM 31-51/01 ASM 31-54/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

_

121VU HYDRAULIC/HYD/QTY/IND

1831GQ

P35

- B. Test
- Do the ground scanning of the central warning system (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: Y HYD QTY IND 3000GQ: replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref.
 - AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AE/6H,
 6J, 6K to the first terminal block, (Ref. ASM 31-54/02).

R R

R

R

EFF: ALL

31-54-00

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TROUBLE SHOOTING MANUAL

- (2) If the fault continues: R - do a check for continuity of the wiring from the SDAC 2 (1WV2) pin R AC/4 to the C/B 10WV, (Ref. ASM 31-51/01). R (a) If there is no continuity: R - replace the EIS/SDAC/2/BUS1/26VAC SYNC AC (10WV) R
 - B. Do the test given in Para. 3.B.

EFF: ALL SROS Printed in France 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-837

Loss of the GREEN SYS PRESS Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 31-54/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU HYD/HYD/PRESS/XMTR

1841GN

C11

- B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation

R

- A. If the test gives the maintenance message SDAC1 : G HYD PRESS XMTR 1065GN:
 - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins
 AB/12C, 12D to the first terminal block, (Ref. ASM 31-54/02).
- B. Do the test given in Para. 3.B.

31-54-00

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SROS

EFF:

ALL

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-838

Loss of the GREEN SYS PRESS Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

Ground Scanning of the Central Warning System

ASM 31-54/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______

49VU HYD/HYD/PRESS/XMTR

1841GN

C11

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B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2 : G HYD PRESS XMTR
 - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/12C, 12D to the first terminal block , (Ref. ASM 31-54/02).
 - B. Do the test given in Para. 3.B.

31-54-00

SROS

EFF:

ALL

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-839

Loss of the YELLOW RSVR TEMP Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)
ASM 29-33/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

123VU Y HYD/ELEC/ELEC PUMP/NORM

3801GX AB03

B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

R

- A. If the test gives the maintenance message SDAC1: Y HYD TEMP XMTR 3381GR: replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins
 AE/12J, 12K to the first terminal block, (Ref. ASM 29-33/01).
- B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-840

Loss of the YELLOW RSVR TEMP Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)
ASM 29-33/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

123VU Y HYD/ELEC/ELEC PUMP/NORM

3801GX AB03

B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

R

- A. If the test gives the maintenance message SDAC2: Y HYD TEMP XMTR 3381GR: replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins
 AE/12J, 12K to the first terminal block, (Ref. ASM 29-33/01).
- B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-841

Loss of the BLUE SYS PRESS Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 AMM 31-55-34-000-001

Ground Scanning of the Central Warning System

Removal of the SDAC (1WV1,1WV2)

AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

ASM 31-54/02

B. Test

R

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU HYD/HYD/PRESS/XMTR

50-00-710-001).

1841GN

C11

4. Fault Isolation

- A. If the test gives the maintenance message SDAC1 : B HYD PRESS XMTR
 - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-

- (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/12E, 12F to the first terminal block , (Ref. ASM 31-54/02).
- B. Do the test given in Para. 3.

31-54-00

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-842

Loss of the BLUE SYS PRESS Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2) ASM 31-54/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU HYD/HYD/PRESS/XMTR

1841GN

C11

- B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation

R

- A. If the test gives the maintenance message SDAC2: B HYD PRESS XMTR 2065GN:
 - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins
 AB/12E, 12F to the first terminal block, (Ref. ASM 31-54/02).
- B. Do the test given in Para. 3.

31-54-00

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SROS

EFF:

ALL

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-843

Loss of the YELLOW SYS PRESS Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001

Ground Scanning of the Central Warning System

AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

ASM 31-54/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU HYD/HYD/PRESS/XMTR

______ 1841GN C11

B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

R

- A. If the test gives the maintenance message SDAC1: Y HYD PRESS XMTR 3065GN - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AE/12G, 12H to the first terminal block , (Ref. ASM 31-54/02).
- B. Do the test given in Para. 3.B.

31-54-00 EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-844

Loss of the YELLOW SYS PRESS Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001

Ground Scanning of the Central Warning System

AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

ASM 31-54/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______

49VU HYD/HYD/PRESS/XMTR

1841GN

C11

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: Y HYD PRESS XMTR 3065GN - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AE/12G, 12H to the first terminal block , (Ref. ASM 31-54/02).
 - B. Do the test given in Para. 3.B.

31-54-00 EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-845

Loss of the OXYGEN HP Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

ASM 31-54/02

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION _____

IDENT. LOCATION

49VU OXYGEN/CREW/OXY/SPLY

1HT

HAO1

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1: OX PRESS REG XMTR 4HT - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/13E, 13F to the first terminal block , (Ref. ASM 31-54/02).
 - B. Do the test given in Para. 3.

31-54-00 EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-846

Loss of the OXYGEN HP Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

Ground Scanning of the Central Warning System

AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

ASM 31-54/02

3. Fault Confirmation

AMM 31-50-00-710-001

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

49VU OXYGEN/CREW/OXY/SPLY

1HT HAO1

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: OX PRESS REG XMTR 4HT - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/13E, 13F to the first terminal block , (Ref. ASM 31-54/02).
 - B. Do the test given in Para. 3.

31-54-00

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SROS

EFF:

ALL

TROUBLE SHOOTING MANUAL

**ON A/C 251-251,

TASK 31-54-00-810-847

Loss of the ACHC Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/03	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1: NO DATA FROM ACHC replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins
 AE/15A, 15B to the first terminal block, (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: 251-251, 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-848

Loss of the ACHC Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/03	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: NO DATA FROM ACHC replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins
 AE/15A, 15B to the first terminal block, (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: 251-251, 31-54-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-54-00-810-849

Loss of the BCL 2 Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - BCL-2 (1PB2)
 - wiring from the SDAC 1 (1WV1) to the BCL 2 (1PB2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	24-38-34-000-001	Removal of the Battery Charge Limiter (BCL) (1PB1, 1PB2)	
AMM	24-38-34-400-001	<pre>Installation of the Battery Charge Limiter (BCL) (1PB1, 1PB2)</pre>	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)	
AMM	31-55-34-400-001	Installation of the SDAC (1WV1,1WV2)	
ASM	31-54/03		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
	ELEC/BAT REF/BCL2	9PB2	F02
	ELEC/BAT BUS/REF/BCL2	8PB2	J02

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

EFF: ALL

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4. Fault Isolation

- A. If the test gives the maintenance message SDAC1: NO DATA FROM BCL2 replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace the BCL-2 (1PB2), (Ref. AMM TASK 24-38-34-000-001) and (Ref. AMM TASK 24-38-34-400-001)
 - (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) to the BCL2 (1PB2) from pins AE/11C, 11D to pins A/P, R (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-850

Loss of the BCL 2 Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - BCL-2 (1PB2)
 - wiring from the SDAC 2 (1WV2) to the BCL 2 (1PB2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	24-38-34-000-001	Removal of the Battery Charge Limiter (BCL) (1PB1, 1PB2)	
AMM	24-38-34-400-001	<pre>Installation of the Battery Charge Limiter (BCL) (1PB1, 1PB2)</pre>	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)	
AMM	31-55-34-400-001	Installation of the SDAC (1WV1,1WV2)	
ASM	31-54/03		

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
105VU	ELEC/BAT REF/BCL2	9PB2	F02
105VU	ELEC/BAT BUS/REF/BCL2	8PB2	J02

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: NO DATA FROM BCL2 replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace the BCL-2 (1PB2), (Ref. AMM TASK 24-38-34-000-001) and (Ref. AMM TASK 24-38-34-400-001)

EFF: ALL 31-5

31-54-00

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- (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) to the BCL2 (1PB2) from pins AE/11C, 11D to pins A/<D, <E (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.

EFF: ALL
SROS

31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-851

Loss of the BCL 1 Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - BCL-1 (1PB1)
 - wiring from the SDAC 1 (1WV1) to the BCL 1 (1PB1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	24-38-34-000-001	Removal of the Battery Charge Limiter (BCL) (1PB1, 1PB2)	
AMM	24-38-34-400-001	<pre>Installation of the Battery Charge Limiter (BCL) (1PB1, 1PB2)</pre>	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)	
AMM	31-55-34-400-001	Installation of the SDAC (1WV1,1WV2)	
ASM	31-54/03		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
105VU	ELEC/BAT REF/BCL1	9PB1	F01
105VU	ELEC/BAT BUS/REF/BCL1	8PB1	G01

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message SDAC1 : NO DATA FROM BCL1 replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace theBCL-1 (1PB1), (Ref. AMM TASK 24-38-34-000-001) and (Ref. AMM TASK 24-38-34-400-001)

EFF: ALL

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- (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) to the BCL1 (1PB1) from pins AB/11G, 11H to pins A/P, R (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.

EFF: ALL
SROS

31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-852

Loss of the BCL 1 Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - BCL-1 (1PB1)
 - wiring from the SDAC 2 (1WV2) to the BCL 1 (1PB1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION		
AMM	24-38-34-000-001	Removal of the Battery Charge Limiter (BCL) (1PB1, 1PB2)		
AMM	24-38-34-400-001	<pre>Installation of the Battery Charge Limiter (BCL) (1PB1, 1PB2)</pre>		
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System		
AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)		
AMM	31-55-34-400-001	Installation of the SDAC (1WV1,1WV2)		
ASM	31-54/03			

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT. L	OCATION
105VU	ELEC/BAT REF/BCL1	9PB1	F01
105VU	ELEC/BAT BUS/REF/BCL1	8PB1	G01

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: NO DATA FROM BCL1 replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace the BCL-1 (1PB1), (Ref. AMM TASK 24-38-34-000-001) and (Ref. AMM TASK 24-38-34-400-001)

EFF: ALL

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- (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) to the BCL1 (1PB1) from pins AB/11G, 11H to pins A/<D, <E (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.

EFF: ALL
SROS

31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-853

Loss of the BMC 2 Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)
ASM 31-54/03

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
122VU	AIR BLEED/ENG 2/CTL	3HA2	z23
122VU	AIR BLEED/ENG 2/MONG	2HA2	Z22

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message SDAC1: NO DATA FROM BMC2:
 replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins
 AE/12C, 12D to the first terminal block, (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-854

Loss of the BMC 2 Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 31-54/03

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
122VU	AIR BLEED/ENG 2/CTL	3HA2	z23
122VU	AIR BLEED/ENG 2/MONG	2HA2	Z22

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: NO DATA FROM BMC2: replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins
 AE/12C, 12D to the first terminal block, (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-855

Loss of the BMC 1 Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)
ASM 31-54/03

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU AIR BLEED/ENG 1/CTL 3HA1 D12
49VU AIR BLEED/ENG 1/MONG 2HA1 D11

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1 : NO DATA FROM BMC1: - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/12G, 12H to the first terminal block, (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-856

Loss of the BMC 1 Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)
ASM 31-54/03

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU AIR BLEED/ENG 1/CTL 3HA1 D12

49VU AIR BLEED/ENG 1/MONG 2HA1 D11

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: NO DATA FROM BMC1: - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/12G, 12H to the first terminal block, (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-857

Loss of the ECB Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2) ASM 31-54/03

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
121VU	APU/APU/CTL	2KD	L42
121VU	APU/ECB/SPLY	1KD	L41

B. Test

R

SROS

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message SDAC1: NO DATA FROM ECB:
 replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/12J, 12K to the first terminal block, (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.

EFF: ALL 31-54

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-858

Loss of the ECB Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 AMM 31-55-34-000-001 Ground Scanning of the Central Warning System

Removal of the SDAC (1WV1,1WV2)

AMM 31-55-34-400-001

Installation of the SDAC (1WV1,1WV2)

ASM 31-54/03

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT. LO	CATION
12 1VU	APU/APU/CTL	2KD	L42
12 1VU	APU/ECB/SPLY	1KD	L41

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: NO DATA FROM ECB:
 replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/12J, 12K to the first terminal block, (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-859

Loss of the BLUE RSVR TEMP Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - XMTR-TEMP, B RSVR (2381GR)
 - wiring from the SDAC 1 (1WV1) to the Blue reservoir temperature transmitter (2381GR)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM 3 AMM 3 AMM 3	29-33-11-000-002 29-33-11-400-002 31-50-00-710-001 31-55-34-000-001 31-55-34-400-001	Removal of the Temperature Transmitter (2381GR) Installation of the Temperature Transmitter (2381GR) Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1: B HYD TEMP XMTR 2381GR: replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace the XMTR-TEMP, B RSVR (2381GR), (Ref. AMM TASK 29-33-11-000-002) and (Ref. AMM TASK 29-33-11-400-002).
 - (a) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) to the Blue reservoir temperature transmitter (2381GR) from pins AB/11A, 11B to pins A/E, D, (Ref. ASM 29-33/01).
 - B. Do the test given in Para. 3.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-860

Loss of the BLUE RSVR TEMP Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - XMTR-TEMP, B RSVR (2381GR)
 - wiring from the SDAC 2 (1WV2) to the Blue reservoir temperature transmitter (2381GR)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM AMM AMM AMM AMM	29-33-11-000-002 29-33-11-400-002 31-50-00-710-001 31-55-34-000-001 31-55-34-400-001 29-33/01	Removal of the Temperature Transmitter (2381GR) Installation of the Temperature Transmitter (2381GR) Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)	

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: B HYD TEMP XMTR 2381GR: - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace the XMTR-TEMP, B RSVR (2381GR), (Ref. AMM TASK 29-33-11-000-002) and (Ref. AMM TASK 29-33-11-400-002).
 - (a) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) to the Blue reservoir temperature transmitter (2381GR) from pins AB/11A, 11B to pins A/J, K, (Ref. ASM 29-33/01).
 - B. Do the test given in Para. 3.

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-861

Loss of the GREEN RSVR TEMP Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 29-33/01	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

SROS

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1: G HYD TEMP XMTR 1381GR replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/12A, 12B to the first terminal block, (Ref. ASM 29-33/01).

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B. Do the test given in Para. 3.

EFF: ALL 31-54-00

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-862

Loss of the GREEN RSVR TEMP Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 29-33/01	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: G HYD TEMP XMTR 1381GR replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/12A, 12B to the first terminal block, (Ref. ASM 29-33/01).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-865

Loss of the SFCC 1 Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/03	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 1: NO DATA FROM SFCC 1: replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins
 AB/11J, 11K to the first terminal block, (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-866

Loss of the SFCC 1 Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/03	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 2: NO DATA FROM SFCC 1: replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins
 AB/11J, 11K to the first terminal block, (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-867

Loss of the SFCC 2 Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/03	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 1: NO DATA FROM SFCC 2: replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AE/11A, 11B to the first terminal block, (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-868

Loss of the SFCC 2 Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/03	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 2: NO DATA FROM SFCC 2: replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/11A, 11B to the first terminal block, (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-869

Loss of the EMER GEN VOLTAGE and FREQ Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 24-24/01	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 1: GLC EMER CNTOR 2XE:
 replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pin AE/8B to the first terminal block , (Ref. ASM 24-24/01).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-870

Loss of the EMER GEN VOLTAGE and FREQ Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM 31-	-50-00-710-001	Ground Scanning of the Central Warning System
AMM 31-	-55-34-000-001	Removal of the SDAC (1WV1,1WV2)
AMM 31-	-55-34-400-001	Installation of the SDAC (1WV1,1WV2)
ASM 24-	-24/01	

- 3. Fault Confirmation
 - A. Test

R

SROS

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 2: GLC EMER CNTOR 2XE:
 replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pin AE/8B to the first terminal block , (Ref. ASM 24-24/01).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-871

Loss of the TR 2 CURRENT Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)
ASM 24-32/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

123VU TR2/214XP/SPLY

2PU2 AB04

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B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

R

- A. If the test gives the maintenance message SDAC 1: NO TR 2 CURRENT 1PU2: replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins
 AE/14G, 14H to the first terminal block, (Ref. ASM 24-32/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-872

Loss of the TR 2 CURRENT Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 24-32/01 Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

123VU TR2/214XP/SPLY

2PU2 AB04

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B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

R

- A. If the test gives the maintenance message SDAC 2: NO TR 2 CURRENT 1PU2: replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins
 AE/14G, 14H to the first terminal block, (Ref. ASM 24-32/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-873

Loss of the TR 2 VOLTAGE Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2) ASM 24-32/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

123VU TR2/214XP/SPLY

2PU2 ABO4

- B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation

R

SROS

- A. If the test gives the maintenance message SDAC 1: NO TR 2 VOLTAGE 1PU2: - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pin AE/6A to the first terminal block , (Ref. ASM 24-32/01).
- B. Do the test given in Para. 3.B.

31-54-00 EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-874

Loss of the TR 2 VOLTAGE Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 24-32/01 Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

123VU TR2/214XP/SPLY

2PU2 AB04

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B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 2: NO TR 2 VOLTAGE 1PU2: replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pin AE/6A to the first terminal block, (Ref. ASM 24-32/01).
 - B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-875

Loss of the TR 1 CURRENT Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2) ASM 24-32/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION _____ 2PU1 AB 10

123VU TR1/SPLY

R

B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 1: NO TR 1 CURRENT 1PU1: - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/14C, 14D to the first terminal block , (Ref. ASM 24-32/02).

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B. Do the test given in Para. 3.B.

31-54-00 EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-876

Loss of the TR 1 CURRENT Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System
AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)
ASM 24-32/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

123VU TR1/SPLY 2PU1 AB10

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

SDAC 2 : NO TR 1 CURRENT 1PU1:

- replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/14C, 14D to the first terminal block, (Ref. ASM 24-32/02).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-877

Loss of the TR 1 VOLTAGE Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 24-32/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

123VU TR1/SPLY 2PU1 AB10

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 1: NO TR 1 VOLTAGE 1PU1: replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pin AB/6K to the first terminal block , (Ref. ASM 24-32/02).
 - B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-878

Loss of the TR 1 VOLTAGE Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION AMM 31-50-00-710-001 Ground Scanning of the Central Warning System

AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2) ASM 24-32/02

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION _____ 2PU1 AB 10

123VU TR1/SPLY

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B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 2: NO TR 1 VOLTAGE 1PU1: - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pin AB/6K to the first terminal block , (Ref. ASM 24-32/02).
 - B. Do the test given in Para. 3.B.

31-54-00 EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-879

Loss of the ESS TRU CURRENT Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 24-34/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

106VU ESS TR/SPLY 4PE CO1

10010 200 11, 012

B. Test
Do the ground scanning of the central warning systems (Ref. AMM TASK 31-

4. Fault Isolation

50-00-710-001).

R

- A. If the test gives the maintenance message SDAC 1: NO TR ESS CURRENT 1PE: replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/14E, 14F to the first terminal block, (Ref. ASM 24-34/01).

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B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-880

Loss of the ESS TRU CURRENT Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 24-34/01

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

106VU ESS TR/SPLY

4PE C01

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B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

R

- A. If the test gives the maintenance message SDAC 2: NO TR ESS CURRENT 1PE: replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins
 AB/14E, 14F to the first terminal block, (Ref. ASM 24-34/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-881

Loss of the ESS TRU VOLTAGE Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2) ASM 24-34/01

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______

106VU ESS TR/SPLY

4PE

CO1

B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

R

- A. If the test gives the maintenance message SDAC 1: NO TR ESS VOLTAGE 1PE: - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pin AB/7K to the first terminal block , (Ref. ASM 24-34/01).
- B. Do the test given in Para. 3.B.

31-54-00 EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-882

Loss of the ESS TRU VOLTAGE Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

Ground Scanning of the Central Warning System

ASM 24-34/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______

106VU ESS TR/SPLY

4PE CO1

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 2: NO TR ESS VOLTAGE 1PE: - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pin AB/7K to the first terminal block , (Ref. ASM 24-34/01).
 - B. Do the test given in Para. 3.B.

31-54-00 ALL

SROS

EFF:

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-883

Loss of the EVMU Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001

Ground Scanning of the Central Warning System

AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

ASM 31-54/03

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU ENGINE/ENG1 AND 2/EVMU

1EV R44

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 1: NO DATA FROM EVMU: - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AE/12A, 12B to the first terminal block , (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.B.

31-54-00

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-884

Loss of the EVMU Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 31-54/03

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU ENGINE/ENG1 AND 2/EVMU

1EV R44

B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

R

- A. If the test gives the maintenance message SDAC 2: NO DATA FROM EVMU:
 replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins
 AE/12A, 12B to the first terminal block, (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

**ON A/C 251-251,

TASK 31-54-00-810-887

Loss of the TPIS Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)
ASM 31-54/03

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

IDENTI EGORTIO

121VU HYDRAULIC/TIRE/PRESS

1GV M31

B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

R

- A. If the test gives the maintenance message SDAC 1: NO DATA FROM TPIU:
 replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins
 AB/15G, 15H to the first terminal block, (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.B.

EFF: 251-251,

31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-888

Loss of the TPIS Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 31-54/03

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU HYDRAULIC/TIRE/PRESS

1GV M31

- B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation

R

- A. If the test gives the maintenance message SDAC 2: NO DATA FROM TPIU:
 replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/15G, 15H to the first terminal block, (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.B.

EFF: 251-251, 31-54-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-54-00-810-892

Loss of the ACCELEROMETER Input of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU RCDR/ACCLRM

9TU K18

B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

R

- A. If the test gives the maintenance message SDAC1: ACCELEROMETER 6TU:
 replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from the SDAC 1 (1WV1) pins AE/11E, 11F to the first terminal block
 - (a) If there is no continuity:
 repair the wiring

EFF: ALL

31-54-00

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TROUBLE SHOOTING MANUAL

- (b) If there is continuity:
 - do a check of the wiring from the SDAC 1 (1WV1) pins AE/11G,
 11H to the first terminal block
 - 1 If there is no continuity: - repair the wiring
 - 2 If there is continuity:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/11C, 11D to the first terminal block, (Ref. ASM 31-54/02).
- B. Do the test given in Para. 3.

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-893

Loss of the ACCELEROMETER Input of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2) ASM 31-54/02

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU RCDR/ACCLRM

9TU K18

B. Test Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

R

- A. If the test gives the maintenance message SDAC2 : ACCELEROMETER 6TU: - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from the SDAC 2 (1WV2) pins AE/11E, 11F to the first terminal block
 - (a) If there is no continuity:
 - repair the wiring
 - (b) If there is continuity:
 - do a check of the wiring from the SDAC 2 (1WV2) pins AE/11G,
 11H to the first terminal block

EFF: ALL 31-54-00

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- $\underline{1}$ If there is no continuity:
 - repair the wiring
- 2 If there is continuity:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/11C, 11D to the first terminal block, (Ref. ASM 31-54/02).
- B. Do the test given in Para. 3.

EFF: ALL SROS 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-894

Failure of the Three Axis Accelerometer

- 1. Possible Causes
 - ACCELEROMETER-THREE AXIS (6TU)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-33-16-000-001	Removal of the Three-Axis-Accelerometer (LA)

AMM 31-33-16-400-001 AMM 31-50-00-710-001 ASM 31-54/02 Removal of the Three-Axis-Accelerometer (LA)
Installation of the Three-Axis-Accelerometer (LA)
Ground Scanning of the Central Warning System

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU RCDR/ACCLRM

9TU K18

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1 : ACCELEROMETER 6TU: replace the ACCELEROMETER-THREE AXIS (6TU), (Ref. AMM TASK 31-33-16-000-001) and (Ref. AMM TASK 31-33-16-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from accelerometer (6TU) pins A/C, D to the first terminal block
 - (a) If there is no continuity:
 - repair the wiring
 - (b) If there is continuity:
 - do a check of the wiring from accelerometer (6TU) pins A/E, F
 to the first terminal block

EFF: ALL

31-54-00

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- $\underline{1}$ If there is no continuity:
 - repair the wiring
- 2 If there is continuity:
 - do a check and repair the wiring from accelerometer (6TU) pins A/G, H to the first terminal block (Ref. ASM 31-54/02).
- B. Do the test given in Para. 3.

EFF: ALL SROS 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-895

Loss of the BSCU Bus 1 of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - BSCU (10GG)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)	
AMM	31-55-34-400-001	Installation of the SDAC (1WV1,1WV2)	
AMM	32-42-34-000-001	Removal of the Braking/Steering Control Unit (BSCU) (10GG)	
AMM	32-42-34-400-001	<pre>Installation of the Braking/Steering Control Unit (BSCU) (10GG)</pre>	
ASM	31-54/03		

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1: NO DATA FROM BSCU1:
 replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace the BSCU (10GG), (Ref. AMM TASK 32-42-34-000-001) and (Ref. AMM TASK 32-42-34-400-001)
 - (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins
 AB/14G, 14H to the BSCU (10GG) pins AA/5E, 5F (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00 SROS

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-896

Loss of the BSCU Bus 2 of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/03	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)	

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: NO DATA FROM BSCU1:
 replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/14G, 14H to the first terminal block, (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-897

Loss of the BSCU Bus 3 of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - BSCU (10GG)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)	
AMM	31-55-34-400-001	Installation of the SDAC (1WV1,1WV2)	
AMM	32-42-34-000-001	Removal of the Braking/Steering Control Unit (BSCU) (10GG)	
AMM	32-42-34-400-001	<pre>Installation of the Braking/Steering Control Unit (BSCU) (10GG)</pre>	
ASM	31-54/03		

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1: NO DATA FROM BSCU2:
 replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace the BSCU (10GG), (Ref. AMM TASK 32-42-34-000-001) AND (Ref. AMM TASK 32-42-34-400-001)
 - (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins
 AE/14C, 14D to the BSCU (10GG) pins AA/7E, 7F (Ref. ASM 31-54/03)
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00
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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-898

Loss of the BSCU Bus 4 of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM AMM	31-50-00-710-001 31-55-34-000-001 31-55-34-400-001 31-54/03	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)	

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: NO DATA FROM BSCU2: replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins
 AE/14C, 14D to the first terminal block, (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 31-54-00-810-899

Loss of the GCU 2/EGIU 2 Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - EGIU-2 (22XU2)
 - wiring from the SDAC 1 (1WV1) to the EGIU 2 (22XU2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 24-22-33-000-001 AMM 24-22-33-400-002 AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/03	Removal of the EGIU-1(2) (22XU1, 22XU2) Installation of the EGIU-1(2) (22XU1, 22XU2) Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)	

- 3. Fault Confirmation
 - A. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1: NO DATA FROM EGIU2-1: replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace the EGIU-2 (22XU2), (Ref. AMM TASK 24-22-33-000-001) and (Ref. AMM TASK 24-22-33-400-002).
 - (a) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) to the EGIU 2 (22XU2) from pins AE/10C, 10D to pins AA/1A, 1B (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

31-54-00

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-900

Loss of the GCU 2/EGIU 2 Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - EGIU-2 (22XU2)
 - wiring from the SDAC 2 (1WV2) to the EGIU 2 (22XU2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM AMM	24-22-33-000-001 24-22-33-400-002 31-50-00-710-001 31-55-34-000-001 31-55-34-400-001 31-54/03	Removal of the EGIU-1(2) (22XU1, 22XU2) Installation of the EGIU-1(2) (22XU1, 22XU2) Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)	

- 3. Fault Confirmation
 - A. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: NO DATA FROM EGIU2-1: replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace the EGIU-2 (22XU2), (Ref. AMM TASK 24-22-33-000-001) and (Ref. AMM TASK 24-22-33-400-002).
 - (a) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) to the EGIU 2 (22XU2) from pins AE/10C, 10D to pins AA/1C, 1D (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-901

Loss of the GCU 1/EGIU 1 Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - EGIU-1 (22XU1)
 - wiring from the SDAC 1 (1WV1) to the EGIU 1 (22XU1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM AMM	24-22-33-000-001 24-22-33-400-002 31-50-00-710-001 31-55-34-000-001 31-55-34-400-001 31-54/03	Removal of the EGIU-1(2) (22XU1, 22XU2) Installation of the EGIU-1(2) (22XU1, 22XU2) Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)	

- 3. Fault Confirmation
 - A. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1: NO DATA FROM EGIU1-1: replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace the EGIU-1 (22XU1), (Ref. AMM TASK 24-22-33-000-001) and (Ref. AMM TASK 24-22-33-400-002).
 - (a) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) to the EGIU 1 (22XU1) from pins AB/10G, 10H to pins AA/1A, 1B (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-902

Loss of the GCU 1/EGIU 1 Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - EGIU-1 (22XU1)
 - wiring from the SDAC 2 (1WV2) to the EGIU 1 (22XU1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 24-22-33-000-001 AMM 24-22-33-400-002 AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/03	Removal of the EGIU-1(2) (22XU1, 22XU2) Installation of the EGIU-1(2) (22XU1, 22XU2) Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)	

- 3. Fault Confirmation
 - A. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: NO DATA FROM EGIU1-1: replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace the EGIU-1 (22XU1), (Ref. AMM TASK 24-22-33-000-001) and (Ref. AMM TASK 24-22-33-400-002).
 - (a) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) to the EGIU 1 (22XU1) from pins AB/10G, 10H to pins AA/1C, 1D (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-903

Loss of the GPCU/EGIU 1 Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - EGIU-1 (22XU1)
 - wiring from the SDAC 1 (1WV1) to the EGIU 1 (22XU1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM AMM	24-22-33-000-001 24-22-33-400-002 31-50-00-710-001 31-55-34-000-001 31-55-34-400-001 31-54/03	Removal of the EGIU-1(2) (22XU1, 22XU2) Installation of the EGIU-1(2) (22XU1, 22XU2) Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)	

- 3. Fault Confirmation
 - A. Test

Do the ground scanning of the central warning system (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1: NO DATA FROM EGIU1-2: replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace the EGIU-1 (22XU1), (Ref. AMM TASK 24-22-33-000-001) and (Ref. AMM TASK 24-22-33-400-002).
 - (a) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) to the EGIU 1 (22XU1) from pins AE/10A, 10B to pins AB/13A, 13B (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-904

Loss of the GPCU/EGIU1 Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - EGIU-1 (22XU1)
 - wiring from the SDAC 2 (1WV2) to the EGIU 1 (22XU1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 24-22-33-000-001 AMM 24-22-33-400-002 AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/03	Removal of the EGIU-1(2) (22XU1, 22XU2) Installation of the EGIU-1(2) (22XU1, 22XU2) Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)	

- 3. Fault Confirmation
 - A. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: NO DATA FROM EGIU1-2: replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace the EGIU-1 (22XU1), (Ref. AMM TASK 24-22-33-000-001) and (Ref. AMM TASK 24-22-33-400-002).
 - (a) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) to the EGIU 1 (22XU1) from pins AE/10A, 10B to pins AB/13C, 13D (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-54-00-810-905

Loss of the PACK 1 CONT Bus or the ACSC1 Bus to the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - CONTROLLER-PACK 1 TEMP (7HH)
 - CONT-AIR COND SYSTEM 1 (47HH)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	21-61-34-000-001	Removal of the Pack Controller (7HH, 27HH)	
AMM	21-61-34-000-002	Removal of the Air-Conditioning System Controller (47HH, 57HH)	
AMM	21-61-34-400-001	Installation of the Pack Controller (7HH, 27HH)	
AMM	21-61-34-400-002	Installation of the Air-Conditioning System Controller (47HH, 57HH)	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)	
AMM	31-55-34-400-001	Installation of the SDAC (1WV1,1WV2)	
ASM	31-54/03		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION		IDENT. LOCATION
122VU 122VU	AIR COND/PACK AIR COND/PACK	TEMP/CTL SYS1/1/115VAC TEMP/CTL SYS1/1/28VDC TEMP CTL SYS2/1/28VDC TEMP CTL SYS2/1/115VAC	1HH X22 3HH X21 4HH Y19 2HH Y18

B. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

EFF: ALL

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,
 - A. If the test gives the maintenance message SDAC1: NO DATA FROM PACK1 CONT:
 - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace CONTROLLER-PACK 1 TEMP (7HH), (Ref. AMM TASK 21-61-34-000-001) and (Ref. AMM TASK 21-61-34-400-001)
 - (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins
 AB/13J, 13K to the first terminal block, (Ref. ASM 31-54/03).

**ON A/C 456-475,

A. If the test gives the maintenance message:

SDAC1: NO DATA FROM ACSC1

- replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (1) If the fault continues:
 - replace CONT-AIR COND SYSTEM 1 (47HH) (Ref. AMM TASK 21-61-34-000-002) and (Ref. AMM TASK 21-61-34-400-002)
- (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins
 AB/13J, 13K to the Air Conditioning System Controller 1 pins AA/7E,
 7F, (Ref. ASM 31-54/03).

**ON A/C ALL

B. Do the test given in Para. 3.B.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-906

Loss of the PACK 1 CONT Bus or the ACSC1 Bus to the SDAC 2

1. Possible Causes

- SDAC-2 (1WV2)
- CONTROLLER-PACK 1 TEMP (7HH)
- CONT-AIR COND SYSTEM 1 (47HH)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM	21-61-34-000-001	Removal of the Pack Controller (7HH, 27HH)	
AMM	21-61-34-000-002	Removal of the Air-Conditioning System Controller (47HH, 57HH)	
AMM	21-61-34-400-001	Installation of the Pack Controller (7HH, 27HH)	
AMM	21-61-34-400-002	Installation of the Air-Conditioning System Controller (47HH, 57HH)	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)	
AMM ASM	31-55-34-400-001 31-54/03	Installation of the SDAC (1WV1,1WV2)	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION	IDENT.	LOCATION
122VU AIR COND/PACK TEMP/CTL SYS1/1/115VAC	1HH	x22
122VU AIR COND/PACK TEMP/CTL SYS1/1/28VDC	3HH	X21
122VU AIR COND/PACK TEMP CTL SYS2/1/28VDC	4HH	Y 19
122VU AIR COND/PACK TEMP CTL SYS2/1/115VAC	2HH	Y18

B. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

EFF : ALL

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,

- A. If the test gives the maintenance message SDAC2: NO DATA FROM PACK1
 - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace CONTROLLER-PACK 1 TEMP (7HH), (Ref. AMM TASK 21-61-34-000-001) and (Ref. AMM TASK 21-61-34-400-001)
 - (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins
 AB/13J, 13K to the first terminal block, (Ref. ASM 31-54/03).

**ON A/C 456-475,

A. If the test gives the maintenance message:

SDAC2: NO DATA FROM ACSC1

- replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (1) If the fault continues:
 - replace CONT-AIR COND SYSTEM 1 (47HH) (Ref. AMM TASK 21-61-34-000-002) and (Ref. AMM TASK 21-61-34-400-002)
- (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins
 AB/13J, 13K to the Air Conditining System Controller 1 pins AA/7E,
 7F, (Ref. ASM 31-54/03).

**ON A/C ALL

B. Do the test given in Para. 3.B.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-907

Loss of the PACK 2 CONT Bus or the ACSC2 Bus to the SDAC 1

1. Possible Causes

- SDAC-1 (1WV1)
- CONTROLLER-PACK 2 TEMP (27HH)
- CONT-AIR COND SYSTEM 2 (57HH)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
A MM	24 /4 7/ 000 004	Paraul of the Book Controller (700 2700)	
	21-61-34-000-001	Removal of the Pack Controller (7HH, 27HH)	
AMM	21-61-34-000-002	Removal of the Air-Conditioning System Controller (47HH, 57HH)	
AMM	21-61-34-400-001	Installation of the Pack Controller (7HH, 27HH)	
AMM	21-61-34-400-002	Installation of the Air-Conditioning System Controller (47HH, 57HH)	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)	
AMM	31-55-34-400-001	Installation of the SDAC (1WV1,1WV2)	
ASM	31-54/03		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION		IDENT. LOCATION
122VU 122VU	AIR COND/PACK AIR COND/PACK	TEMP/CTL SYS1/2/115VAC TEMP/CTL SYS1/2/28VDC TEMP CTL SYS2/2/28VDC TEMP CTL SYS2/2/115VAC	21HH W22 23HH W21 24HH Y21 22HH Y20

B. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

EFF: ALL

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4. Fault Isolation

- R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,
 - A. If the test gives the maintenance message SDAC1: NO DATA FROM PACK2 CONT:
 - replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace CONTROLLER-PACK 2 TEMP (27HH), (Ref. AMM TASK 21-61-34-000-001) and (Ref. AMM TASK 21-61-34-400-001)
 - (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins
 AE/13A, 13B to the first terminal block, (Ref. ASM 31-54/03).

**ON A/C 456-475,

A. If the test gives the maintenance message:

SDAC1: NO DATA FROM ACSC2

- replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (1) If the fault continues:
 - replace CONT-AIR COND SYSTEM 2 (57HH) (Ref. AMM TASK 21-61-34-000-002) and (Ref. AMM TASK 21-61-34-400-002)
- (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins
 AE/13A, 13B to the Air Conditioning System Controller 2 pins AA/7E,
 7F, (Ref. ASM 31-54/03).

**ON A/C ALL

B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-908

Loss of the PACK 2 CONT Bus or the ACSC2 Bus to the SDAC 2

1. Possible Causes

- SDAC-2 (1WV2)
- CONTROLLER-PACK 2 TEMP (27HH)
- CONT-AIR COND SYSTEM 2 (57HH)
- wiring

2. Job Set-up Information

A. Referenced Information

REFE	RENCE	DESIGNATION	
AMM	21-61-34-000-001	Removal of the Pack Controller (7HH, 27HH)	
	21-61-34-000-002	Removal of the Air-Conditioning System Controller (47HH, 57HH)	
AMM	21-61-34-400-001	Installation of the Pack Controller (7HH, 27HH)	
AMM	21-61-34-400-002	Installation of the Air-Conditioning System Controller (47HH, 57HH)	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)	
AMM	31-55-34-400-001	Installation of the SDAC (1WV1,1WV2)	
ASM	31-54/03		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION			IDENT.	LOCATION
_	· · ·		SYS1/2/115VAC	21HH	W22
	AIR COND/PACK	-		23HH	W21
	AIR COND/PACK			24HH	Y21
122VU	AIR COND/PACK	TEMP CTL	SYS2/2/115VAC	22HH	Y20

B. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

EFF: ALL

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,
 - A. If the test gives the maintenance message SDAC2: NO DATA FROM PACK2 CONT:
 - replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace CONTROLLER-PACK 2 TEMP (27HH), (Ref. AMM TASK 21-61-34-000-001) and (Ref. AMM TASK 21-61-34-400-001)
 - (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins
 AE/13A, 13B to the first terminal block, (Ref. ASM 31-54/03).

**ON A/C 456-475,

A. If the test gives the maintenance message:

SDAC2: NO DATA FROM ACSC2

- replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (1) If the fault continues:
 - replace CONT-AIR COND SYSTEM 2 (57HH) (Ref. AMM TASK 21-61-34-000-002) and (Ref. AMM TASK 21-61-34-400-002)
- (2) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins
 AA/13A, 13B to the Air Conditioning System Controller 2 pins AA/7E,
 7F, (Ref. ASM 31-54/03).

**ON A/C ALL

B. Do the test given in Para. 3.B.

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EFF: ALL

TROUBLE SHOOTING MANUAL

R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 31-54-00-810-909

Loss of the APU/EGIU 2 Bus of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - EGIU-2 (22XU2)
 - wiring from the SDAC1 (1WV1) to the EGIU2 (22XU2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 24-22-33-000-001 AMM 24-22-33-400-002 AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/03	Removal of the EGIU-1(2) (22XU1, 22XU2) Installation of the EGIU-1(2) (22XU1, 22XU2) Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)	

- 3. Fault Confirmation
 - A. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1: NO DATA FROM EGIU2-2: replace the SDAC-1 (1WV1), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace the EGIU-2 (22XU2), (Ref. AMM TASK 24-22-33-000-001) and (Ref. AMM TASK 24-22-33-400-002).
 - (a) If the fault continues:
 - do a check and repair the wiring from the SDAC1 (1WV1) to the EGIU2 (22XU2) from pins AB/10J, 10K to pins AB/13A, 13B (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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TASK 31-54-00-810-910

Loss of the APU/EGIU 2 Bus of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - EGIU-2 (22XU2)
 - wiring from the SDAC2 (1WV2) to the EGIU2 (22XU2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION		
AMM 24-22-33-000-001 AMM 24-22-33-400-002 AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/03	Removal of the EGIU-1(2) (22XU1, 22XU2) Installation of the EGIU-1(2) (22XU1, 22XU2) Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)		

- 3. Fault Confirmation
 - A. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: NO DATA FROM EGIU2-2: replace the SDAC-2 (1WV2), (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - replace the EGIU-2 (22XU2), (Ref. AMM TASK 24-22-33-000-001) and (Ref. AMM TASK 24-22-33-400-002).
 - (a) If the fault continues:
 - do a check and repair the wiring from the SDAC2 (1WV2) to the EGIU2 (22XU2) from pins AB/10J, 10K to pins AB/13C, 13D (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-54-00-810-911

Loss of the Synchro Signal of the Rudder Position Transducer Unit by the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1: RUDDER POS XDCR 42WV: replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/7A,
 7B, 7C to the first terminal block.
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-912

Loss of the Synchro Signal of the Rudder Position Transducer Unit by the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION		
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)		

- 3. Fault Confirmation
- A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2: RUDDER POS XDCR 42WV: replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/7A,
 7B, 7C to the first terminal block.
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-913

Failure of the Rudder Position Transducer Unit

- 1. Possible Causes
 - XDCR UNIT-RUDDER POS (42WV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION		
AMM 27-25-17-000-001	Removal of the Rudder Position Transducer Unit 42WV		
AMM 27-25-17-400-001	<pre>Installation of the Rudder Position Transducer Unit 42WV</pre>		
AMM 31-50-00-710-001 ASM 31-54/08	Ground Scanning of the Central Warning System		

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 1: RUDDER POS XDCR 42WV:
 do a check for 26VAC at pin A/A of the rudder position transducer unit
 (42WV) (Ref. ASM 31-54/08).
 - (1) If there is 26VAC:
 - replace the XDCR UNIT-RUDDER POS (42WV) (Ref. AMM TASK 27-25-17-000-001) and (Ref. AMM TASK 27-25-17-400-001).
 - (2) If there is no 26VAC:
 - do a check for a ground signal at pin A/B of the rudder position transducer unit (42WV) (Ref. ASM 31-54/08).
 - (a) If there is no ground signal:
 - repair the wiring between rudder position transducer unit (42WV) pin A/B and the ground terminal (Ref. ASM 31-54/08).
 - (b) If there is a ground signal:
 - do a check of the wiring from rudder position transducer unit (42WV) pin A/A to the first terminal block (Ref. ASM 31-54/08).

EFF: ALL

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- 1 If there is no continuity: - repair the above wiring.
- 2 If there is continuity:
 replace the XDCR UNIT-RUDDER POS (42WV).
 - a If the fault continues:
 - do a check and repair the wiring from rudder position transducer unit (42WV) pins A/G, H, D, E to the first terminal block (Ref. ASM 31-54/08).
- B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-914

Loss of the Output Bus 1 of the Zone Temperature Controller by the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		RENCE	DESIGNATION		
	AMM	31-50-00-710-001	Ground Scanning of the Central Warning System		
	AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)		
	AMM	31-55-34-400-001	Installation of the SDAC (1WV1,1WV2)		
	ASM	31-54/03			

- 3. Fault Confirmation
 - A. Test

R

SROS

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 1: NO DATA FROM ECS 1 replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AB/14J, 14K to the first terminal block (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-915

Loss of the Output Bus 2 of the Zone Temperature Controller by the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
	AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)	
	AMM	31-55-34-400-001	Installation of the SDAC (1WV1,1WV2)	
	ASM	31-54/03		

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 1: NO DATA FROM ECS 2: replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 1 (1WV1) pins AE/14A, 14B to the first terminal block (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-916

Loss of the Output Bus 1 of the Zone Temperature Controller by the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
	AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)	
	AMM	31-55-34-400-001	Installation of the SDAC (1WV1,1WV2)	
	ASM	31-54/03		

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 2: NO DATA FROM ECS 1: replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AB/14J, 14K to the first terminal block (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-917

Loss of the Output Bus 2 of the Zone Temperature Controller by the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
	AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)	
	AMM	31-55-34-400-001	Installation of the SDAC (1WV1,1WV2)	
	ASM	31-54/03		

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC 2: NO DATA FROM ECS 2: replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the SDAC 2 (1WV2) pins AE/14A, 14B to the first terminal block (Ref. ASM 31-54/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-918

Failure of the SDAC1 and SDAC2

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - SDAC-2 (1WV2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance messages
 NO DATA FROM SDAC1 and NO DATA FROM SDAC2.
 replace the SDAC-1 (1WV1) and the SDAC-2 (1WV2) (Ref. AMM TASK 31-5534-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - B. Do the test given in Para. 3.

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SROS

EFF:

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-919

SDAC 1 Inoperative

- 1. Possible Causes
 - SDAC-1 (1WV1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message: SDAC 1
 - replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-920

SDAC 2 Inoperative

- 1. Possible Causes
 - SDAC-2 (1WV2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message: SDAC 2
 - replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-921

Unwanted Tripping of a Circuit Breaker on Rows J thru M

- 1. Possible Causes
 - defective circuit breaker
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

VELLEGE DESIGNATION

AMM 31-60-00-860-001 EIS Start Procedure

ASM 31-54/06

3. Fault Confirmation

AMM 31-60-00-860-002

- A. Do the EIS start procedure (upper ECAM DU and lower ECAM DU only) (Ref. AMM TASK 31-60-00-860-001).
- B. Test
 Make sure that a warning is shown on the upper ECAM DU.

EIS Stop Procedure

- 4. Fault Isolation
 - A. If the upper ECAM DU gives the warning message C/B TRIPPED REAR PNL J-M:
 do a check of the status of the circuit breakers on the rows J thru M.
 - (1) If all the circuit breakers are closed:
 - do a check for correct continuity between pin 3 (GND signal) and pin 4 for each of these circuit breakers on rows J thru M (Ref. ASM 31-54/06).
 - replace the defective circuit breaker.
 - (2) If one circuit breaker or more is (are) open:
 - <u>NOTE</u>: On ground you must not close a tripped circuit breaker without trouble shooting of the related system.
 - (a) Do an isolation check of the wiring between the C/B and the related system.
 - 1 If there is an isolation fault
 - repair the wiring between the C/B and the related system.
 - Close the tripped circuit breaker(s).

R R

EFF: ALL 31-54-00

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- B. Do the EIS start procedure given in Para. 3.A.
 - (1) Make sure that the warning message is no longer shown.
 - (2) Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

EFF: ALL
SROS

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TASK 31-54-00-810-922

Unwanted Tripping of a Circuit Breaker on Rows N thru R

- 1. Possible Causes
 - defective circuit breaker
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-860-001 EIS Start Procedure AMM 31-60-00-860-002 EIS Stop Procedure ASM 31-54/06

- 3. Fault Confirmation
 - A. Do the EIS start procedure (upper ECAM DU and lower ECAM DU only) (Ref. AMM TASK 31-60-00-860-001).
 - B. Test
 Make sure that a warning is shown on the upper ECAM DU.
- 4. Fault Isolation
 - A. If the upper ECAM DU gives the warning message C/B TRIPPED REAR PNL N-R:
 do a check of the status of the circuit breakers on the rows N thru R.
 - (1) If all the circuit breakers are closed:
 - do a check for correct continuity between pin 3 (GND signal) and pin 4 for each of these circuit breakers on rows N thru R (Ref. ASM 31-54/06).
 - replace the defective circuit breaker.
 - (2) If one circuit breaker or more is (are) open:

<u>NOTE</u>: On ground you must not close a tripped circuit breaker without trouble shooting of the related system.

- (a) Do an isolation check of the wiring between the C/B and the related system.
 - 1 If there is an isolation fault:
 - repair the wiring between the C/B and the related system.
 - Close the tripped circuit breaker(s).

R

R

R

EFF: ALL 31-54-00

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- B. Do the EIS start procedure given in Para. 3.A.
 - (1) Make sure that the warning message is no longer shown.
 - (2) Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

EFF: ALL
SROS

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TASK 31-54-00-810-923

Unwanted Tripping of a Circuit Breaker on Rows S thru V

- 1. Possible Causes
 - defective circuit breaker
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

REFERENCE

AMM 31-60-00-860-001 EIS Start Procedure

AMM 31-60-00-860-002

EIS Stop Procedure

ASM 31-54/06

- 3. Fault Confirmation
 - A. Do the EIS start procedure (upper ECAM DU and lower ECAM DU only) (Ref. AMM TASK 31-60-00-860-001).
 - B. Test
 Make sure that a warning is shown on the upper ECAM DU.
- 4. Fault Isolation
 - A. If the upper ECAM DU gives the warning message C/B TRIPPED REAR S-V:
 do a check of the status of the circuit breakers on the rows S thru V.
 - (1) If all the circuit breakers are closed:
 - do a check for correct continuity between pin 3 (GND signal) and pin 4 for each of these circuit breakers on rows S thru V (Ref. ASM 31-54/06).
 - replace the defective circuit breaker.
 - (2) If one circuit breaker or more is (are) open:
 - <u>NOTE</u>: On ground you must not close a tripped circuit breaker without trouble shooting of the related system.
 - (a) Do an isolation check of the wiring between the C/B and the related system.
 - 1 If there is an isolation fault:
 - repair the wiring between the C/B and the related system.
 - Close the tripped circuit breaker(s).

R R

R

EFF: ALL 31-54-00

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- B. Do the EIS start procedure given in Para. 3.A.
 - (1) Make sure that the warning message is no longer shown.
 - (2) Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

EFF: ALL
SROS

31-54-00

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TASK 31-54-00-810-924

Unwanted Tripping of a Circuit Breaker on Rows W thru Z

- 1. Possible Causes
 - defective circuit breaker
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

ALI ENERGE DESIGNATION

AMM 31-60-00-860-001 EIS Start Procedure AMM 31-60-00-860-002 EIS Stop Procedure ASM 31-54/06

- 3. Fault Confirmation
 - A. Do the EIS start procedure (upper ECAM DU and lower ECAM DU only) (Ref. AMM TASK 31-60-00-860-001).
 - B. Test
 Make sure that a warning is shown on the upper ECAM DU.
- 4. Fault Isolation
 - A. If the upper ECAM DU gives the warning message C/B TRIPPED REAR W-Z:
 do a check of the status of the circuit breakers on the rows W thru Z.
 - (1) If all the circuit breakers are closed:
 - do a check for correct continuity between pin 3 (GND signal) and pin 4 for each of these circuit breakers on rows W thru Z (Ref. ASM 31-54/06).
 - replace the defective circuit breaker.
 - (2) If one circuit breaker or more is (are) open:
 - <u>NOTE</u>: On ground you must not close a tripped circuit breaker without trouble shooting of the related system.
 - (a) Do an isolation check of the wiring between the C/B and the related system.
 - 1 If there is an isolation fault:
 - repair the wiring between the C/B and the related system.
 - Close the tripped circuit breaker(s).

R R

R

EFF: ALL 31-54-00

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- B. Do the EIS start procedure given in Para. 3.A.
 - (1) Make sure that the warning message is no longer shown.
 - (2) Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

EFF: ALL
SROS

31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-925

Unwanted Tripping of a Circuit Breaker on the Overhead C/B Panel

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - SDAC-2 (1WV2)
 - wiring
 - circuit breaker
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM AMM AMM ASM	31-55-34-000-001 31-55-34-400-001 31-60-00-860-001 31-60-00-860-002 31-54/02 31-54/06	Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2) EIS Start Procedure EIS Stop Procedure

- 3. Fault Confirmation
 - A. Do the EIS start procedure (upper ECAM DU and lower ECAM DU only) (Ref. AMM TASK 31-60-00-860-001).
 - B. Make sure that the ECAM warning C/B TRIPPED ON OVHD PNL is shown on the upper ECAM DU.
- 4. Fault Isolation
 - A. Table of the circuit breakers used in this procedure:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	SDAC/1/SPLY	3WV	F04
12 1VU	EIS/SDAC/2/SPLY	2WV	Q06

EFF: ALL 31-54-00

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R R	B. If the upper ECAM DU gives the ECAM warning C/B TRIPPED ON OVHD PNL:
	 do a check of the status of the circuit breakers on the overhead C/B panel (49VU).
	(1) If all the circuit breakers are closed:
	(a) Open the circuit breaker SDAC/1/SPLY (3WV).
	$\underline{1}$ If the ECAM warning C/B TRIPPED ON OVHD PNL goes out of view:
R R R	 replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
R R	- close the circuit breaker SDAC/1/SPLY (3WV).
R R R	 If the ECAM warning C/B TRIPPED ON OVHD PNL stays in view: do the actions given in Para. 4.B.(1)(b).
	(b) Open the circuit breaker EIS/SDAC/2/SPLY (2WV).
R	$\underline{1}$ If the ECAM warning C/B TRIPPED ON OVHD PNL goes out of view:
R R R	 replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
R	- close the circuit breaker EIS/SDAC/2/SPLY (2WV).
R	$\underline{2}$ If the ECAM warning C/B TRIPPED ON OVHD PNL stays in view:
R R R	 do a check and repair the wiring (Ref. ASM 31-54/02): from SDAC1 (1WV1) connector AD/12A to the first terminal block.
R R	from SDAC2 (1WV2) connector AD/12A to the first terminal block.
R R R	 a If the fault continues: do a check for a grounded circuit breaker. replace the grounded circuit breaker.
	(2) If one circuit breaker or more are open:
	NOTE: On the ground, you must not close a tripped circuit breaker without trouble shooting of the related system.
	(a) Do an isolation check of the wiring between the circuit breaker and the related system (Ref. ASM 31-54/06):
R	1 If there is an isolation fault:
_	04 F4 00

EFF: ALL
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R R - Close the tripped circuit breaker(s).

C. Test

- (1) Do the EIS start procedure (upper ECAM DU and lower ECAM DU only) (Ref. AMM TASK 31-60-00-860-001).
- (2) Make sure that the ECAM warning is out of view.
- (3) Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-926

Unwanted Tripping of a Circuit Breaker on the AC/DC Emergency Power Center

- 1. Possible Causes
 - defective circuit breaker
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-860-001 EIS Start Procedure AMM 31-60-00-860-002 EIS Stop Procedure ASM 31-54/06

3. Fault Confirmation

- A. Do the EIS start procedure (upper ECAM DU and lower ECAM DU only) (Ref. AMM TASK 31-60-00-860-001).
- B. Test
 Make sure that a warning is shown on the upper ECAM DU.
- 4. Fault Isolation
 - A. If the upper ECAM DU gives the warning message C/B TRIPPED L ELEC BAY:
 - do a check of the status of the circuit breakers on the AC/DC emergency power center (106VU).
 - (1) If all the circuit breakers are closed:
 - do a check for correct continuity between pin 3 (GND signal) and pin 4 for each of these circuit breakers on AC/DC emergency power center (106VU) (Ref. ASM 31-54/06).
 - replace the defective circuit breaker.
 - (2) If one circuit breaker or more is (are) open:

NOTE : On ground you must not close a tripped circuit breaker without trouble shooting of the related system.

- (a) Do an isolation check of the wiring between the C/B and the related system.
 - 1 If there is an isolation fault:
 - repair the wiring between the C/B and the related system.
 - Close the tripped circuit breaker(s).

EFF: ALL

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- B. Do the EIS start procedure given in Para. 3.A.
 - (1) Make sure that the warning message is no longer shown.
 - (2) Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-927

Unwanted Tripping of a Circuit Breaker on the Battery Power Center

- 1. Possible Causes
 - defective circuit breaker
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-860-001 EIS Start Procedure
AMM 31-60-00-860-002 EIS Stop Procedure

ASM 31-54/06

- 3. Fault Confirmation
 - A. Do the EIS start procedure (upper ECAM DU and lower ECAM DU only) (Ref. AMM TASK 31-60-00-860-001).
 - B. Test
 Make sure that a warning is shown on the upper ECAM DU.
- 4. Fault Isolation
 - A. If the upper ECAM DU gives the warning message C/B TRIPPED R ELEC BAY:
 do a check of the status of the circuit breakers on the battery power center (105VU).
 - (1) If all the circuit breakers are closed:
 - do a check for correct continuity between pin 3 (GND signal) and pin 4 for each of these circuit breakers on the battery power center (105VU) (Ref. ASM 31-54/06).
 - replace the defective circuit breaker.
 - (2) If one circuit breaker or more is (are) open:

NOTE : On ground you must not close a tripped circuit breaker without trouble shooting of the related system.

- (a) Do an isolation check of the wiring between the C/B and the related system.
 - 1 If there is an isolation fault:
 - repair the wiring between the C/B and the related system.
 - Close the tripped circuit breaker(s).

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R

R

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EFF: ALL

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- B. Do the EIS start procedure given in Para. 3.A.
 - (1) Make sure that the warning message is no longer shown.
 - (2) Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

EFF: ALL
SROS

31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-928

Failure of the SDAC 1 Pin Programming

- 1. Possible Causes
 - SDAC-1 (1WV1)
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R R		31-50-00-710-001 31-50-00-740-002	Ground Scanning of the Central Warning System Read and Decode the Hardware Pin Programming of the SDAC and FWC
	AMM	31-55-34-000-001 31-55-34-400-001 31-54-05	Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Test

SROS

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

SDAC1: PIN PROGRAM FAIL

- read the SDAC 1 pin programming (Ref. AMM TASK 31-50-00-740-002).
- (1) Compare the SDAC 1 pin programming with the state of the aircraft pin programming given in the ASM (Ref. AWM 31-54-05).
 - (a) If the pin programming is incorrect:
 - repair the aircraft wiring.
 - (b) If the pin programming is correct:
 - replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- B. Do the test given is Para. 3.

EFF: ALL

31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-929

Failure of the SDAC 2 Pin Programming

- 1. Possible Causes
 - SDAC-2 (1WV2)
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
_		31-50-00-710-001	Ground Scanning of the Central Warning System
R R	AMM	31-50-00-740-002	Read and Decode the Hardware Pin Programming of the SDAC and FWC
	AMM	31-55-34-000-001 31-55-34-400-001	Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)
	AWM	31-54-06	

- 3. Fault Confirmation
 - A. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC2 PIN PROGRAM FAIL:
 read the SDAC 2 pin programming (Ref. AMM TASK 31-50-00-740-002).
 - (1) Compare the SDAC 2 pin programming with the state of the aircraft pin programming given in the ASM (Ref. AWM 31-54-06).
 - (a) If the pin programming is incorrect:repair the aircraft wiring.
 - (b) If the pin programming is correct:
 replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and
 (Ref. AMM TASK 31-55-34-400-001).
 - B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-930

Loss of One Analog Output of the Cabin Pressure Controller 1 to the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - VALVE-OUTFLOW (10HL)
 - wirina
 - VALVE-OUTFLOW (10HL), FEEDBACK ASSEMBLY
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	21-31-51-000-001	Removal of the Outflow Valve 10HL (From Inside)	
AMM	21-31-51-000-005	Removal of the Outflow Valve (10HL) - Feedback Assembly 10HL-6	
AMM	21-31-51-400-001	Installation of the Outflow Valve 10HL (From Inside)	
AMM	21-31-51-400-005	Installation of the Outflow Valve (10HL) - Feedback Assembly 10HL-6	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)	
AMM	31-55-34-400-001	Installation of the SDAC (1WV1,1WV2)	
ASM	31-54/02	· ·	
ASM	31-54/02		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU AIR COND/CAB/PRESS/CTL1

1HL D09

B. Test
Do the ground scanning of the central warning systems (Re-

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the test gives the maintenance message:
 - SDAC1: NO CPC1 ANALOG SIGNAL
 - replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from SDAC 1 (1WV1) pins AB/10C, 10D to the first terminal block (Ref. ASM 31-54/02).
 - (a) If there is no continuity:repair the above wiring.
 - (b) If there is continuity:
 - do a check of the wiring from SDAC 1 (1WV1) pins AE/10E, 10F to the first terminal block (Ref. ASM 31-54/02).
 - 1 If there is no continuity: - repair the above wiring.
 - 2 If there is continuity:
 - do a check of the wiring from SDAC 1 (1WV1) pins AE/10G, 10H
 to the first terminal block (Ref. ASM 31-54/02).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - (2) If the fault continues
 - (a) replace the VALVE-OUTFLOW (10HL), FEEDBACK ASSEMBLY (if installed) (Ref. AMM TASK 21-31-51-000-005) and (Ref. AMM TASK 21-31-51-400-005).
 - (b) If the fault continues:
 - replace VALVE-OUTFLOW (10HL) (Ref. AMM TASK 21-31-51-000-001)
 and (Ref. AMM TASK 21-31-51-400-001).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-931

Loss of One Analog Output of the Cabin Pressure Controller 1 to the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - VALVE-OUTFLOW (10HL)
 - wirina
 - VALVE-OUTFLOW (10HL), FEEDBACK ASSEMBLY
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	21-31-51-000-001	Removal of the Outflow Valve 10HL (From Inside)
AMM	21-31-51-000-005	Removal of the Outflow Valve (10HL) - Feedback
		Assembly 10HL-6
AMM	21-31-51-400-001	Installation of the Outflow Valve 10HL (From Inside)
AMM	21-31-51-400-005	Installation of the Outflow Valve (10HL) - Feedback
		Assembly 10HL-6
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)
AMM	31-55-34-400-001	Installation of the SDAC (1WV1,1WV2)
ASM	31-54/02	
ASM	31-54/02	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU AIR COND/CAB/PRESS/CTL1

1HL D09

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

EFF: ALL 31-54-00

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4. Fault Isolation

- A. If the test gives the maintenance message:
 - SDAC2: NO CPC1 ANALOG SIGNAL
 - replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from SDAC 2 (1WV2) pins AB/10C, 10D to the first terminal block (Ref. ASM 31-54/02).
 - (a) If there is no continuity:repair the above wiring.
 - (b) If there is continuity:
 - do a check of the wiring from SDAC 2 (1WV2) pins AE/10E, 10F to the first terminal block (Ref. ASM 31-54/02).
 - 1 If there is no continuity: - repair the above wiring.
 - 2 If there is continuity:
 - do a check of the wiring from SDAC 2 (1WV2) pins AE/10G, 10H
 to the first terminal block (Ref. ASM 31-54/02).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - (2) If the fault continues:
 - (a) replace the VALVE-OUTFLOW (10HL), FEEDBACK ASSEMBLY (if installed) (Ref. AMM TASK 21-31-51-000-005) and (Ref. AMM TASK 21-31-51-400-005).
 - (b) If the fault continues:
 - replace VALVE-OUTFLOW (10HL) (Ref. AMM TASK 21-31-51-000-001)
 and (Ref. AMM TASK 21-31-51-400-001).
- B. Do the test given in Para. 3.B.

EFF: ALL

31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-932

Loss of the Bus of the Cabin Pressure Controller 1 by the SDAC1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2)

AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2) ASM 31-54/03

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU AIR COND/CAB/PRESS/CTL1

1HL I

D09

B. Test

R

- Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

SDAC1: NO DATA FROM CPC1

- replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from SDAC1 (1WV1) pins AB/13G, 13H
 to the first terminal block (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-933

Loss of the Bus of the Cabin Pressure Controller 1 by the SDAC2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-0	1 Ground Scanning of the Central Warning System

AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)
ASM 31-54/03

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU AIR COND/CAB/PRESS/CTL1

1HL D09

B. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

R

A. If the test gives the maintenance message:

SDAC2: NO DATA FROM CPC1

- replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from SDAC 2 (1WV2) pins AB/13G,
 13H to the first terminal block (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.B.

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EFF:

ALL

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-934

Loss of the Bus of the Cabin Pressure Controller 2 by the SDAC1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 31-54/03

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

122VU AIR COND/CAB PRESS/CTL/2

2HL Y22

B. Test

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

4. Fault Isolation

R

A. If the test gives the maintenance message:

SDAC1: NO DATA FROM CPC2

- replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from SDAC 1 (1WV1) pins AE/13C,
 13D to the first terminal block (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.B.

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EFF:

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-935

Loss of the Bus of the Cabin Pressure Controller 2 by the SDAC2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

ASM 31-54/03

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION _____

122VU AIR COND/CAB PRESS/CTL/2

2HL Y22

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

SDAC2: NO DATA FROM CPC2

- replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from SDAC 2 (1WV2) pins AE/13C, 13D to the first terminal block (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.B.

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EFF:

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-936

Loss of the Output Buses 1+2 of the Zone Temperature Controller by the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-55-34-000-001	Removal of the SDAC (1WV1,1WV2)
AMM	31-55-34-400-001	Installation of the SDAC (1WV1,1WV2)
ASM	31-54/03	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION		IDENT.	LOCATION
122VU	AIR COND/ZONE	TEMP CTL/28VDC/SYS2	4HK	V20
122VU	AIR COND/ZONE	TEMP CTL/28VDC/SYS1	3нк	V 19
122VU	AIR COND/ZONE	TEMP CTL/115VAC/SYS2	2нК	V 18
122VU	AIR COND/ZONE	TEMP CTL/115VAC/SYS1	1HK	V 17

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message SDAC 1: NO DATA FROM ECS 1+2: - replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair as necessary the wiring from the SDAC 1 (1WV1)
 - . pins AB/14J, 14K to the first terminal block
 - . pins AE/14A, 14B to the first terminal block (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-937

Loss of the Output Buses 1+2 of the Zone Temperature Controller by the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/03	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION		IDENT.	LOCATION
122VU	AIR COND/ZONE	TEMP CTL/28VDC/SYS2	4HK	V20
122VU	AIR COND/ZONE	TEMP CTL/28VDC/SYS1	3нк	V 19
122VU	AIR COND/ZONE	TEMP CTL/115VAC/SYS2	2нК	V 18
122VU	AIR COND/ZONE	TEMP CTL/115VAC/SYS1	1HK	V 17

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message SDAC 2: NO DATA FROM ECS 1+2: - replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair as necessary the wiring from the SDAC 2 (1WV2)
 - . pins AB/14J, 14K to the first terminal block
 - . pins AE/14A, 14B to the first terminal block (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-938

Loss of the SFCC 1 and SFCC 2 Buses of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/03	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	FLIGHT CONTROLS/SLT FLP/POS/IND 1	1CN	B12
49VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B07
49VU	FLIGHT CONTROLS/SLT/CTL AND MONG/SYS1	5CV	B06
105VU	ELEC/HOT BUS/702PP SPLY	5PB2	D02
105VU	ELEC/HOT BUS/701PP SPLY	5PB1	DO1
105VU	ELEC/HOT BUS/702PP SPLY	12PB2	E02
105VU	ELEC/HOT BUS/701PP SPLY	12PB1	E01
12 1VU	FLIGHT CONTROLS/SLT FLP/POS/IND2	2CN	P16
12 1VU	FLIGHT CONTROLS/FLP/CTL AND/MONG/SYS2	8CV	Q21
12 1VU	FLIGHT CONTROLS/SLT/CTL/SYS2	7CV	R21

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

EFF: ALL SROS

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the test gives the maintenance message SDAC 1: NO DATA FROM SFCC 1+2: replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair as necessary the wiring from the SDAC 1
 (1WV1)
 - . pins AB/11J, 11K to the first terminal block
 - . pins AE/11A, 11B to the first terminal block (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-939

Loss of the SFCC 1 and SFCC 2 Buses of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/03	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNA	ATION	IDENT.	LOCATION
49VU	FLIGHT	CONTROLS/SLT FLP/POS/IND 1	1CN	B12
49VU	FLIGHT	CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B07
49VU	FLIGHT	CONTROLS/SLT/CTL AND MONG/SYS1	5CV	B06
12 1VU	FLIGHT	CONTROLS/WTB/FLP/SYS2	12CV	P20
12 1VU	FLIGHT	CONTROLS/WTB/SLT/SYS2	11CV	P 19
12 1VU	FLIGHT	CONTROLS/SLT FLP/POS/IND2	2CN	P16
12 1VU	FLIGHT	CONTROLS/FLP/CTL AND/MONG/SYS2	8CV	Q21
12 1VU	FLIGHT	CONTROLS/SLT/CTL/SYS2	7CV	R21
122VU	FLIGHT	CONTROLS/WTB/FLP/SYS1	10CV	S 07
122VU	FLIGHT	CONTROLS/WTB/SLT/SYS1	9CV	S 06

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

EFF: ALL SROS

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the test gives the maintenance message SDAC 2: NO DATA FROM SFCC 1+2: replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair as necessary the wiring from the SDAC 2
 (1WV2)
 - . pins AB/11J, 11K to the first terminal block
 - . pins AE/11A, 11B to the first terminal block (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.

EFF: ALL 31-54-00

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-940

Loss of the BSCU Buses 1+2 of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001	Ground Scanning of the Central Warning System

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2) ASM 31-54/03

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION		IDENT.	LOCATION
121VU	HYDRAULIC/BRAKING AND	STEERING/SYS2/SPLY	4GG	M36
121VU	HYDRAULIC/BRAKING AND	STEERING/SYS2/CTL	3GG	M35
121VU	HYDRAULIC/BRAKING AND	STEERING/SYS1/CTL	1GG	M34
121VU	HYDRAULIC/BRAKING AND	STEERING/SYS1/IND AND/SPLY	2GG	M33

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31- 50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message SDAC 1: NO DATA FROM BSCU 1+2: replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair as necessary the wiring from the SDAC 1
 (1WV1)
 - pins AB/14G, 14H to the first terminal block
 - . pins AE/14C, 14D to the first terminal block (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-941

Loss of the BSCU Buses 1+2 of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2) ASM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION			1	IDENT.	LOCATION
121VU	HYDRAULIC/BRAKING	AND	STEERING/SYS2/SPLY		4GG	M36
12 1VU	HYDRAULIC/BRAKING	AND	STEERING/SYS2/CTL		3GG	M35
12 1VU	HYDRAULIC/BRAKING	AND	STEERING/SYS1/CTL		1GG	M34
12 1VU	HYDRAULIC/BRAKING	AND	STEERING/SYS1/IND AND/SP	LY	2GG	M33

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message SDAC 2: NO DATA FROM BSCU 1+2: replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair as necessary the wiring from the SDAC 2
 (1WV2)
 - pins AB/14G, 14H to the first terminal block
 - . pins AE/14C, 14D to the first terminal block (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-942

Loss of the BMC 1 and BMC 2 Buses of the SDAC 1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)

3. Fault Confirmation

ASM 31-54/03

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION		IDENT.	LOCATION
49VU	AIR BLEED/ENG	1/CTL	3HA1	D12
49VU	AIR BLEED/ENG	1/MONG	2HA1	D11
122VU	AIR BLEED/ENG	2/CTL	3HA2	z23
122VU	AIR BLEED/ENG	2/MONG	2HA2	Z22

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message SDAC 1: NO DATA FROM BMC 1+2: - replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair as necessary the wiring from the SDAC 1 (1WV1)
 - pins AB/12G, 12H to the first terminal block
 - . pins AE/12C, 12D to the first terminal block (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-943

Loss of the BMC 1 and BMC 2 Buses of the SDAC 2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001	Ground Scanning of the Central Warning System

AMM 31-55-34-000-001 AMM 31-55-34-400-001 ASM 31-54/03

Removal of the SDAC (1WV1, 1WV2)

Installation of the SDAC (1WV1,1WV2)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION		IDENT.	LOCATION
49VU	AIR BLEED/ENG	1/CTL	3HA1	D12
49VU	AIR BLEED/ENG	1/MONG	2HA1	D11
122VU	AIR BLEED/ENG	2/CTL	3HA2	Z23
122VU	AIR BLEED/ENG	2/MONG	2HA2	Z22

B. Test

R

Do the ground scanning of the central warning systems (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message SDAC 2: NO DATA FROM BMC 1+2: - replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
 - (1) If the fault continues:
 - do a check and repair as necessary the wiring from the SDAC 2 (1WV2)
 - pins AB/12G, 12H to the first terminal block
 - . pins AE/12C, 12D to the first terminal block (Ref. ASM 31-54/03).
- B. Do the test given in Para. 3.

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-944

Failure of the SDAC2

- 1. Possible Causes
 - SDAC-2 (1WV2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)	

- 3. Fault Confirmation
 - A. Do the ground scanning of the central warning system (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance messages:

FWC1: NO DATA FROM SDAC2 and FWC2: NO DATA FROM SDAC2

- replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- B. Do the test given in Para. 3.

31-54-00

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EFF :

ALL

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-945

Failure of the SDAC1

- 1. Possible Causes
 - SDAC-1 (1WV1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001	Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)	

- 3. Fault Confirmation
 - A. Do the ground scanning of the central warning system (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance messages

FWC1: NO DATA FROM SDAC1 and FWC2: NO DATA FROM SDAC1.

- replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- B. Do the test given in Para. 3.

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SROS

EFF :

ALL

TROUBLE SHOOTING MANUAL

**ON A/C 254-275, 451-475,

TASK 31-54-00-810-946

Loss of the GCU1 Bus of the SDAC1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - GCU-1 (1XU1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

ı	REFE	RENCE	DESIGNATION
	AMM AMM AMM	24-22-34-000-001 24-22-34-400-001 31-50-00-710-001 31-55-34-000-001 31-55-34-400-001	Removal of the GCU-1(2) (1XU1, 1XU2) Installation of the GCU-1(2) (1XU1, 1XU2) Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)
			· · · · · · · · · · · · · · · · · · ·

- 3. Fault Confirmation
 - A. Do the ground scanning of the central warning system (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

SDAC1: NO DATA FROM GCU1

- (1) Replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (2) If the fault continues:
 - replace the GCU-1 (1XU1) (Ref. AMM TASK 24-22-34-000-001) and (Ref. AMM TASK 24-22-34-400-001).
- (3) If the fault continues:
 - do a check and repair the wiring between the GCU1 (1XU1) and the SDAC1 (1WV1).
- B. Do the test given in Para. 3.

EFF: 254-275, 451-475,

31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-947

Loss of the GCU1 Bus of the SDAC2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - GCU-1 (1XU1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 24-22-34-000-001 AMM 24-22-34-400-001 AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001	Removal of the GCU-1(2) (1XU1, 1XU2) Installation of the GCU-1(2) (1XU1, 1XU2) Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2) Installation of the SDAC (1WV1,1WV2)	

- 3. Fault Confirmation
 - A. Do the ground scanning of the central warning system (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

SDAC2: NO DATA FROM GCU1

- (1) Replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (2) If the fault continues:
 - replace the GCU-1 (1XU1) (Ref. AMM TASK 24-22-34-000-001) and (Ref. AMM TASK 24-22-34-400-001).
- (3) If the fault continues:
 - do a check and repair the wiring between the GCU1 (1XU1) and the SDAC2 (1WV2).
- B. Do the test given in Para. 3.

EFF: 254-275, 451-475,

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-948

Loss of the GCU2 Bus of the SDAC1

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - GCU-2 (1XU2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

AMM 24-22-34-400-001 Installation AMM 31-50-00-710-001 Ground Scar AMM 31-55-34-000-001 Removal of	the GCU-1(2) (1XU1, 1XU2) on of the GCU-1(2) (1XU1, 1XU2) oning of the Central Warning System the SDAC (1WV1,1WV2) on of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Do the ground scanning of the central warning system (Ref. AMM TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

SDAC1: NO DATA FROM GCU2

- (1) Replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (2) If the fault continues:
 - replace the GCU-2 (1XU2) (Ref. AMM TASK 24-22-34-000-001) and (Ref. AMM TASK 24-22-34-400-001).
- (3) If the fault continues:
 - do a check and repair the wiring between the GCU2 (1XU2) and the SDAC1 (1WV1).
- B. Do the test given in Para. 3.

31-54-00

EFF:

254-275, 451-475,

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-949

Loss of the GCU2 Bus of the SDAC2

- 1. Possible Causes
 - SDAC-2 (1WV2)
 - GCU-2 (1XU2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION			
AMM 24-22-34-000-001 AMM 24-22-34-400-001 AMM 31-50-00-710-001 AMM 31-55-34-000-001 AMM 31-55-34-400-001	Installation of the GCU-1(2) (1XU1, 1XU2) Ground Scanning of the Central Warning System Removal of the SDAC (1WV1,1WV2)			

- 3. Fault Confirmation
 - A. Do the ground scanning of the central warning system (Ref. AMM TASK 31- 50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

SDAC2: NO DATA FROM GCU2

- (1) Replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).
- (2) If the fault continues:
 - replace the GCU-2 (1XU2) (Ref. AMM TASK 24-22-34-000-001) and (Ref. AMM TASK 24-22-34-400-001).
- (3) If the fault continues:
 - do a check and repair the wiring between the GCU2 (1XU2) and the SDAC2 (1WV2).
- B. Do the test given in Para. 3.

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EFF:

254-275, 451-475,

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TROUBLE SHOOTING MANUAL
R TASK 31-54-00-810-950
R Loss of the GAPCU Bus of the SDAC1
  1. Possible Causes
      - SDAC-1 (1WV1)
R
      - GAPCU (24XG)
      - wiring
R 2. Job Set-up Information
      A. Referenced Information
R
R
   REFERENCE
                             DESIGNATION
R
R
  AMM 24-41-34-000-001
                             Removal of the Ground Auxiliary Power Control Unit
R
                             (GAPCU) (24XG)
R
  AMM 24-41-34-400-001
                             Installation of the Ground Auxiliary Power Control
R
                             Unit (GAPCU) (24XG)
       31-50-00-710-001
                             Ground Scanning of the Central Warning System
R
  AMM
       31-55-34-000-001
                             Removal of the SDAC (1WV1, 1WV2)
R
  AMM
                             Installation of the SDAC (1WV1,1WV2)
       31-55-34-400-001
  AMM
R
  ASM 31-54/03
  3. Fault Confirmation
      A. Do the ground scanning of the central warning system (Ref. AMM TASK 31-
R
         50-00-710-001).
R
  4. Fault Isolation
      A. If the test gives the maintenance message:
R
R
         SDAC1: NO DATA FROM GAPCU
         (1) Replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref.
R
             AMM TASK 31-55-34-400-001).
R
R
         (2) If the fault continues:
R
             - replace the GAPCU (24XG) (Ref. AMM TASK 24-41-34-000-001) and (Ref.
R
               AMM TASK 24-41-34-400-001).
R
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R EFF: 254-275, 451-475, SROS

SDAC1 (1WV1) (Ref. ASM 31-54/03).

(3) If the fault continues:

R R

R

R

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do a check and repair the wiring between the GAPCU (24XG) to the

TROUBLE SHOOTING MANUAL

R R	(a)	GAPCU (24XG) AB/10J, 10K.	connector	AA/8J,	8H to	the	SDAC1	(1WV1)	connector
R R	(b)	GAPCU (24XG) AE/10A, 10B.	connector	AA/8J,	7H to	the	SDAC1	(1WV1)	connector
R	B. Do the	test given in	Para. 3.						

EFF: 254-275, 451-475, 31-54-00

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TROUBLE SHOOTING MANUAL
R TASK 31-54-00-810-951
R Loss of the GAPCU Bus of the SDAC2
  1. Possible Causes
      - SDAC-2 (1WV2)
R
      - GAPCU (24XG)
      - wiring
R 2. Job Set-up Information
      A. Referenced Information
R
R
   REFERENCE
                             DESIGNATION
R
R
  AMM 24-41-34-000-001
                             Removal of the Ground Auxiliary Power Control Unit
R
                             (GAPCU) (24XG)
R
  AMM 24-41-34-400-001
                             Installation of the Ground Auxiliary Power Control
R
                             Unit (GAPCU) (24XG)
       31-50-00-710-001
                             Ground Scanning of the Central Warning System
R
  AMM
       31-55-34-000-001
                             Removal of the SDAC (1WV1, 1WV2)
R
  AMM
                             Installation of the SDAC (1WV1,1WV2)
       31-55-34-400-001
  AMM
R
  ASM 31-54/03
  3. Fault Confirmation
      A. Do the ground scanning of the central warning system (Ref. AMM TASK 31-
R
         50-00-710-001).
R
  4. Fault Isolation
      A. If the test gives the maintenance message:
R
R
         SDAC2: NO DATA FROM GAPCU
         (1) Replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001) and (Ref.
R
             AMM TASK 31-55-34-400-001).
R
R
         (2) If the fault continues:
R
```

EFF: 254-275, 451-475, 31-54-00

AMM TASK 24-41-34-400-001).

SDAC2 (1WV2) (Ref. ASM 31-54/03).

(3) If the fault continues:

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R

R

R R

R

R

- replace the GAPCU (24XG) (Ref. AMM TASK 24-41-34-000-001) and (Ref.

do a check and repair the wiring between the GAPCU (24XG) to the

TROUBLE SHOOTING MANUAL

R R	(a)	GAPCU (24XG) AB/10J, 10K.	connector	AA/8F,	7F	to	the	SDAC2	(1WV2)	connector
R R	(b)	GAPCU (24XG) AE/10A, 10B.	connector	AA/8F,	7F	to	the	SDAC2	(1WV2)	connector
R	B. Do the	test given in	Para. 3.							

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R

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EFF: 254-275, 451-475,

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-54-00-810-952

Unwanted Display of the CABIN READY Memo

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - SDAC-2 (1WV2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Not applicable, the fault is evident.
- 4. Fault Isolation
 - A. If the fault symptom is identified by the crew observation:

Unwanted display of CABIN READY memo

- (1) Do a check for a ground signal at the SDAC1 (1WV1) and SDAC2 (1WV2) connectors:
 - pin AA/5G
 - pin AD/5C
 - (a) If there is a ground signal:
 - repair as necessary.
 - (b) If there is no ground signal:
 - Replace the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001) and (Ref. AMM TASK 31-55-34-400-001).

EFF: ALL

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- 2 If the fault continues:
 - replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001)
 and (Ref. AMM TASK 31-55-34-400-001).
- B. Make sure that the CABIN READY right memo is not shown.

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-957

Loss of the YELLOW RSVR QTY Input of the SDAC 1 and SDAC 2

1. Possible Causes

- quantity indicator of the Yellow hydraulic reservoir
- wiring from the quantity indicator pins A/A, B, C to the terminal block (7502VT)

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION			
AMM	29-13-41-000-003	Removal of the Quantity Indicator of the Yellow Hydraulic Reservoir			
AMM	29-13-41-400-003	Installation of the Quantity Indicator of the Yellow Hydraulic Reservoir			
AMM ASM	31-50-00-710-001 29-31/01	Ground Scanning of the Central Warning System			

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

424VII UVBBAULTO (UVB (OTV (TNE

50-00-710-001).

121VU HYDRAULIC/HYD/QTY/IND

1831GQ

P35

4. Fault Isolation

B. Test

- A. If the test gives the maintenance messages SDAC1: Y HYD QTY IND 3000GQ and SDAC2: Y HYD QTY IND 3000GQ:
 - replace the quantity indicator of the Yellow hydraulic reservoir, (Ref. AMM TASK 29-13-41-000-003) and (Ref. AMM TASK 29-13-41-400-003).

Do the ground scanning of the central warning system (Ref. AMM TASK 31-

- (1) If the fault continues:
 - do a check and repair the wiring from the quantity indicator pins A/A, B, C to the terminal block (7502VT), (Ref. ASM 29-31/01).
- B. Do the test given in Para. 3.B.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-958

Loss of the BLUE RSVR QTY Input of the SDAC 1 and SDAC 2

1. Possible Causes

R

R

- quantity indicator of the Blue hydraulic reservoir
- wiring from the quantity indicator pins A/A, B, C to the terminal block (7505VT)

2. Job Set-up Information

A. Referenced Information

REFERENCE	DESIGNATION			
AMM 29-12-41-000-002	Removal of the Quantity Indicator of the Blue Hydraulic Reservoir			
AMM 29-12-41-400-002	Installation of the Quantity Indicator of the Blue Hydraulic System			
AMM 31-50-00-710-001 ASM 29-31/01	Ground Scanning of the Central Warning System			

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION

121VU HYDRAULIC/HYD/QTY/IND

1831GQ

B. Test Do the ground scanning of the central warning system (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance messages SDAC1: B HYD QTY IND 2000GQ and SDAC2: B HYD QTY IND 2000GQ:
 - replace the quantity indicator of the Blue hydraulic reservoir, (Ref. AMM TASK 29-12-41-000-002) and (Ref. AMM TASK 29-12-41-400-002).
 - (1) If the fault continues:
 - do a check and repair the wiring from the quantity indicator pins A/A, B, C to the terminal block (7505VT), (Ref. ASM 29-31/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

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SROS

R

R

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-959

Loss of the GREEN RSVR QTY Input of the SDAC 1 and SDAC 2

1. Possible Causes

- quantity indicator of the Green hydraulic reservoir
- wiring from the quantity indicator pins A/A, B, C to the terminal block (7502VT)

2. Job Set-up Information

A. Referenced Information

REFERENCE	DESIGNATION			
AMM 29-11-41-000-002	Removal of the Quantity Indicator of the Green			
AMM 29-11-41-400-002	Hydraulic Reservoir Installation of the Quantity Indicator of the Green			
AMM 31-50-00-710-001 ASM 29-31/01	Hydraulic Reservoir Ground Scanning of the Central Warning System			

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION

121VU HYDRAULIC/HYD/QTY/IND

1831GQ

P35

Do the ground scanning of the central warning system (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

B. Test

- A. If the test gives the maintenance messages SDAC1: G HYD QTY IND 1000GQ and SDAC2: G HYD QTY IND 1000GQ:
 - replace the quantity indicator of the Green hydraulic reservoir, (Ref. AMM TASK 29-11-41-000-002) and (Ref. AMM TASK 29-11-41-400-002).
 - (1) If the fault continues:
 - do a check and repair the wiring from the quantity indicator pins A/A, B, C to the terminal block (7502VT), (Ref. ASM 29-31/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-960

Loss of the YELLOW RSVR TEMP Input of the SDAC 1 and SDAC 2

1. Possible Causes

- TEMP TRANSM SWITCH (3381GR)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION				
AMM	29-33-11-000-003	Removal of the Temperature Transmitter (3381GR)				
AMM	29-33-11-400-003	Installation of the Temperature Transmitter (3381GR)				
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System				
AWM	31-54-11					

3. Fault Confirmation

A. Test

Do the ground scanning of the Central Warning System (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance messages SDAC1: Y HYD TEMP XMTR 3381GR and SDAC2: Y HYD TEMP XMTR 3381GR:
 - replace the TEMP TRANSM SWITCH (3381GR), (Ref. AMM TASK 29-33-11-000-003) and (Ref. AMM TASK 29-33-11-400-003).
 - (1) If the fault continues:
 - do a check and repair the wiring:
 - from the Temperature Transmitter (3381GR) pins A/E, D to the SDAC1 (1WV1) pins AE/12J, 12K (Ref. AWM 31-54-11).
 - from the Temperature Transmitter (3381GR) pins A/K, J to the SDAC2 (1WV2) pins AE/12J, 12K (Ref. AWM 31-54-11).
- B. Do the test given in Para. 3.

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EFF:

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-961

Loss of the BLUE RSVR TEMP Input of the SDAC 1 and SDAC 2

1. Possible Causes

- TEMP TRANSM SWITCH (2381GR)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION				
AMM	29-33-11-000-002	Removal of the Temperature Transmitter (2381GR)				
AMM	29-33-11-400-002	Installation of the Temperature Transmitter (2381GR)				
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System				
AWM	31-54-12					

3. Fault Confirmation

A. Test

Do the ground scanning of the Central Warning System (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance messages SDAC1: B HYD TEMP XMTR 2381GR and SDAC2: B HYD TEMP XMTR 2381GR:
 - replace the TEMP TRANSM SWITCH (2381GR), (Ref. AMM TASK 29-33-11-000-002) and (Ref. AMM TASK 29-33-11-400-002).
 - (1) If the fault continues:
 - do a check and repair the wiring:
 - from the Temperature Transmitter (2381GR) pins A/E, D to the SDAC1 (1WV1) pins AB/11A, 11B (Ref. AWM 31-54-12).
 - from the Temperature Transmitter (2381GR) pins A/K, J to the SDAC2 (1WV2) pins AB/11A, 11B (Ref. AWM 31-54-12).
- B. Do the test given in Para. 3.

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EFF:

TROUBLE SHOOTING MANUAL

TASK 31-54-00-810-962

Loss of the GREEN RSVR TEMP Input of the SDAC 1 and SDAC 2

1. Possible Causes

- TEMP TRANSM SWITCH (1381GR)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION				
AMM	29-33-11-000-001	Removal of the Temperature Transmitter (1381GR)				
AMM	29-33-11-400-001	Installation of the Temperature Transmitter (1381GR)				
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System				
AWM	31-54-10					

3. Fault Confirmation

A. Test

Do the ground scanning of the Central Warning System (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance messages SDAC1: G HYD TEMP XMTR 1381GR and SDAC2: G HYD TEMP XMTR 1381GR:
 - replace the TEMP TRANSM SWITCH (1381GR), (Ref. AMM TASK 29-33-11-000-001) and (Ref. AMM TASK 29-33-11-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring:
 - from the Temperature Transmitter (1381GR) pins A/E, D to the SDAC1 (1WV1) pins AB/12A, 12B (Ref. AWM 31-54-10).
 - from the Temperature Transmitter (1381GR) pins A/K, J to the SDAC2 (1WV2) pins AB/12A, 12B (Ref. AWM 31-54-10).
- B. Do the test given in Para. 3.

EFF: ALL 31-54-00

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TROUBLE SHOOTING MANUAL

SYSTEM DATA ACQUISITION CONCENTRATOR (SDAC) - FAULT ISOLATION PROCEDURES

TASK 31-55-00-810-801

Unwanted (Spurious) Warnings/Indications involving the SDAC

- 1. Possible Causes
 - SDAC-1 (1WV1)
 - SDAC-2 (1WV2)
- Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-55-34-000-001 Removal of the SDAC (1WV1,1WV2)
AMM 31-55-34-400-001 Installation of the SDAC (1WV1,1WV2)

- 3. Fault Confirmation
 - A. Not Applicable
- 4. Fault Isolation
 - A. If an unwanted (spurious) warning/indication is shown on the ECAM display units:
 - (1) Remove the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001). Make sure that the warning/indication is not shown.

 - (b) If the warning/indication is shown:
 - install the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-400-001).
 - remove the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-000-001).
 - (c) If the warning/indication is not shown:
 - replace the SDAC-2 (1WV2) (Ref. AMM TASK 31-55-34-400-001).

NOTE: If the warning/indication stays on the ECAM display units, then, a failure of the SDACs is not the cause of this ECAM warning/indication.

EFF: ALL 31-55-00

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TROUBLE SHOOTING MANUAL

ECAM CONTROL PANEL - FAULT ISOLATION PROCEDURES

TASK 31-56-00-810-801

Failure of the ECAM Control Panel

- 1. Possible Causes
 - CTL PNL-ECAM (6WT)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-61-12-000-001

Removal of the ECAM Control Panel (6WT) AMM 31-61-12-400-001 Installation of the ECAM Control Panel (6WT)

- 3. Fault Confirmation
 - A. Make sure that the key(s) on the ECAM control panel is (are) unserviceable with no ECP maintenance message.
- 4. Fault Isolation
 - A. If the fault symptom is identified by the crew observation:

ECAM contol panel key(s) unserviceable with no ECP maintenance message

- replace the CTL PNL-ECAM (6WT) (Ref. AMM TASK 31-61-12-000-001) and (Ref. AMM TASK 31-61-12-400-001).
- B. Do the test given in Para. 3.

31-56-00

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EFF: ALL

```
TROUBLE SHOOTING MANUAL
R TASK 31-56-00-810-802
  TO CONFIG TEST Inoperative
  1. Possible Causes
     - CTL PNL-ECAM (6WT)
R
     - FWC-1 (1WW1)
     - FWC-2 (1WW2)
     - wiring from the ECAM control panel (6WT) pins B/E, F to the FWC 1 (1WW1)
R
       and the FWC 2 (1WW2) pins AE/5G, 5H
  2. Job Set-up Information
     A. Referenced Information
R
R
  ______
  REFERENCE
                           DESIGNATION
  AMM 31-53-34-000-001
                            Removal of the Flight Warning Computer (FWC)
R
                            (1WW1, 1WW2)
R
  AMM 31-53-34-400-001
R
                            Installation of the Flight Warning Computer (FWC)
                            (1WW1, 1WW2)
R
  AMM 31-61-12-000-001
                            Removal of the ECAM Control Panel (6WT)
R
       31-61-12-400-001
                            Installation of the ECAM Control Panel (6WT)
R
  AMM
  ASM 31-52/06
R
R
  ASM 31-61/04
  3. Fault Confirmation
R
     A. On the ECAM control panel, make sure that the key(s) is (are)
        unserviceable with no ECP maintenance message.
  4. Fault Isolation
R
R
     A. If the fault symptom is identified by the crew observation:
R
        ECAM control panel TO CONFIG TEST does not operate
R
R
        - replace the CTL PNL-ECAM (6WT) (Ref. AMM TASK 31-61-12-000-001) and
R
          (Ref. AMM TASK 31-61-12-400-001).
        (1) If the fault continues:
R
R

    do a check and repair the wiring from the ECAM control panel (6WT)

R
              pins B/E, F to the FWC 1 (1WW1) and the FWC 2 (1WW2) pins AE/5G,
              5H, (Ref. ASM 31-61/04) and (Ref. ASM 31-52/06).
R
```

EFF: ALL

(2) If the the fault continues:

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SROS

R

R

R

000-001) and (Ref. AMM TASK 31-53-34-400-001).

- replace the FWC-1 (1WW1) and FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-

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R B. Do the test given in Para. 3.

EFF : ALL

31-56-00

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TROUBLE SHOOTING MANUAL

EIS - CONTROL - FAULT ISOLATION PROCEDURES

TASK 31-61-00-810-801

Loss of the Output Bus 2 of the ECAM Control Panel

- 1. Possible Causes
 - CTL PNL-ECAM (6WT)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION		
R	AMM AMM	31-50-00-710-001 31-61-12-000-001 31-61-12-400-001 31-61/03	Ground Scanning of the Central Warning System Removal of the ECAM Control Panel (6WT) Installation of the ECAM Control Panel (6WT)		

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 1: NO DATA FROM ECP:
 replace the CTL PNL-ECAM (6WT), (Ref. AMM TASK 31-61-12-000-001) and
 (Ref. AMM TASK 31-61-12-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the ECAM control panel (6WT) pins B/E, F to the first terminal block, (Ref. ASM 31-61/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-61-00

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TASK 31-61-00-810-802

Failure of the ECAM Control Panel

- 1. Possible Causes
 - CTL PNL-ECAM (6WT)
 - wiring from the circuit breaker (15WT) to the ECAM control panel (6WT)
 - C/B-EIS/ECAM/CTL/PNL (15WT)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION
R	AMM	31-50-00-710-001 31-61-12-000-001 31-61-12-400-001	Ground Scanning of the Central Warning System Removal of the ECAM Control Panel (6WT) Installation of the ECAM Control Panel (6WT)

- 3. Fault Confirmation
 - A. Test

ASM 31-61/02

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message ECP:
 - do a check of the status of the circuit breaker (15WT)
 - (1) If the circuit breaker (15WT) is closed:
 - replace the CTL PNL-ECAM (6WT), (Ref. AMM TASK 31-61-12-000-001) and (Ref. AMM TASK 31-61-12-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the circuit breaker (15WT) to the ECAM control panel (6WT) pin B/S and A/S, (Ref. ASM 31-61/02).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 replace the C/B-EIS/ECAM/CTL/PNL (15WT)

EFF: ALL 31-61-00

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- (2) If the circuit breaker (15WT) is open:
 close the circuit breaker.
 - (a) If the circuit breaker trips:replace the CTL PNL-ECAM (6WT).
 - 1 If the fault continues:
 - do a check and repair for a short to ground the wiring between the circuit breaker (15WT) and the ECAM control panel (6WT).
 - (b) If the circuit breaker stays closed and the fault continues: - replace the CTL PNL-ECAM (6WT).
- B. Do the test given in Para. 3.

EFF: ALL 31-61-00

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TASK 31-61-00-810-808

Loss of the input bus 1 by the ECAM control panel

- 1. Possible Causes
 - CTL PNL-ECAM (6WT)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

	PANEL	DESIGNATION	IDENT.	LOCATION
R				
	49VU	EIS/ECAM/CTL/PNL	15WT	E12
	49VU	EIS/DMC1/SPLY	10WT1	E11
	49VU	EIS/DMC1/SWTG	21WT1	E09
	49VU	EIS/DMC3/SWTG	21WT3	E07
	12 1VU	FTS/DMC3/SPLY	10WT3	9 0 <i>9</i>

R

B. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message ECP: NO DATA FROM DMC1 or 3: - replace the CTL PNL-ECAM (6WT) (Ref. AMM TASK 31-61-12-000-001) and (Ref. AMM TASK 31-61-12-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from ECAM control panel (6WT) pins B/G,H to the first terminal block (Ref. ASM 31-61/03).

EFF: ALL **SROS**

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B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-61-00

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TASK 31-61-00-810-809

Loss of the input bus 2 by the ECAM control panel

- 1. Possible Causes
 - CTL PNL-ECAM (6WT)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION		
AMM 31-50-00-710-001 AMM 31-61-12-000-001 AMM 31-61-12-400-001 ASM 31-61/03	Ground Scanning of the Central Warning System Removal of the ECAM Control Panel (6WT) Installation of the ECAM Control Panel (6WT)		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

	PANEL	DESIGNATION	IDENT.	LOCATION
R				
	49VU	EIS/ECAM/CTL/PNL	15WT	E12
	49VU	EIS/DMC3/SWTG	21WT3	E07
	121VU	EIS/DMC3/SPLY	10WT3	Q09
	121VU	EIS/DMC2/SPLY	10WT2	Q 08
	12 1VU	EIS/DMC2/SWTG	21WT2	R08

R

B. Test

SROS

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

EFF: ALL 31-61-00

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4. Fault Isolation

- A. If the test gives the maintenance message ECP: NO DATA FROM DMC1 or 3 replace the CTL PNL-ECAM (6WT) (Ref. AMM TASK 31-61-12-000-001) and (Ref. AMM TASK 31-61-12-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from ECAM control panel (6WT) pins B/K, L to the first terminal block (Ref. ASM 31-61/03).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-61-00

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TROUBLE SHOOTING MANUAL

DISPLAY MANAGEMENT COMPUTER (DMC) - FAULT ISOLATION PROCEDURES

R

TASK 31-63-00-810-801

Loss of the Highspeed Bus Output Detected by the FWC 2 from the DMC 3 (DMC 2 Switched to DMC 3)

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

AMM 31-50-00-710-001 Ground Scanning of the Central Warning System AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3) AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

DESIGNATION

ASM 31-61/03

REFERENCE

ASM 31-68/05

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 2 : NO DATA FROM DMC 2 OR 3:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from DMC 2 (1WT2) pins AB/1E, 1F to the first terminal block (Ref. ASM 31-61/03).
 - (a) If there is no continuity:
 - repair the wiring.
 - (b) If there is continuity:
 - do a check and repair the wiring between the DMC 3 (1WT3) and the DMC 2 (1WT2) from pins AB/1E, 1F to pins AA/13E, 13F (Ref. ASM 31-68/05).

EFF: ALL 31

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B. Do the test given in Para. 3.

EFF: ALL
SROS

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TASK 31-63-00-810-802

Loss of the Highspeed Bus Output Detected by the ECAM Control Panel from the DMC 3 (DMC 2 Switched to the DMC 3)

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
 - wiring between the DMC 3 (1WT3) and the DMC 2 (1WT2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 31-50-00-710-001 AMM 31-63-34-000-001 AMM 31-63-34-400-001 ASM 31-61/03 ASM 31-68/05	Ground Scanning of the Central Warning System Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message ECP: NO DATA FROM DMC 2 OR 3:
 replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from DMC 2 (1WT2) pins AB/1E, 1F to the first terminal block (Ref. ASM 31-61/03).
 - (a) If there is no continuity:
 - repair the wiring.
 - (b) If there is continuity:
 - do a check and repair the wiring between the DMC 3 (1WT3) and the DMC 2 (1WT2) from pins AB/1E, 1F to pins AA/13E, 13F (Ref. ASM 31-68/05).
 - B. Do the test given in Para. 3.

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ALL

EFF:

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R

TASK 31-63-00-810-803

Loss of the L/DMC Bus Input by the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION	
4 14 14	74 50 00 740 004		
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
AMM	31-53-34-400-001	<pre>Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)</pre>	
ASM	31-61/03	•	

3. Fault Confirmation

A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

4. Fault Isolation

- A. If the test gives the maintenance message FWC 1: NO DATA FROM DMC 1 OR 3:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the FWC 1 (1WW1) pins AB/5G,
 5H to the first terminal block (Ref. ASM 31-61/03).
- B. Do the test given in Para. 3.

EFF: ALL 31-63-00

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TASK 31-63-00-810-804

Loss of the L/DMC Bus Input by the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM AMM	31-50-00-710-001 31-53-34-000-001	Ground Scanning of the Central Warning System Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
R	AMM	31-53-34-400-001	Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)	
	ASM	31-61/03		

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 2 : NO DATA FROM DMC 1 OR 3:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the FWC 2 (1WW2) pins AB/5G,
 5H to the first terminal block (Ref. ASM 31-61/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-63-00

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TASK 31-63-00-810-805

Loss of the R/DMC Bus Input by the FWC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM AMM	31-50-00-710-001 31-53-34-000-001	Ground Scanning of the Central Warning System Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
R	AMM	31-53-34-400-001	Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)	
	ASM	31-61/03	, , ,	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 1 : NO DATA FROM DMC 2 OR 3:
 - replace the FWC-1 (1WW1) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the FWC 1 (1WW1) pins AE/5C,
 5D to the first terminal block (Ref. ASM 31-61/03).
 - B. Do the test given in Para. 3.

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TASK 31-63-00-810-806

Loss of the R/DMC Bus Input by the FWC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
		31-50-00-710-001 31-53-34-000-001	Ground Scanning of the Central Warning System Removal of the Flight Warning Computer (FWC)	
R	AMM	31-53-34-400-001	(1WW1,1WW2) Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)	
	ASM	31-61/03	, ,	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC 2 : NO DATA FROM DMC 2 OR 3:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the FWC 2 (1WW2) pins AE/5C,
 5D to the first terminal block (Ref. ASM 31-61/03).
 - B. Do the test given in Para. 3.

EFF: ALL 31-63-00

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TASK 31-63-00-810-809

Loss of the High Speed Bus Output from the DMC 1 Detected by the ECAM Control Panel

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 31-50-00-710-001 AMM 31-63-34-000-001 AMM 31-63-34-400-001 ASM 31-61/03	Ground Scanning of the Central Warning System Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)	

3. Fault Confirmation

R

A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

R

- 4. Fault Isolation
 - A. If the test gives the maintenance message ECP: NO DATA FROM DMC 1 OR 3:
 replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AB/1E,
 1F to the first terminal block (Ref. ASM 31-61/03).

R

B. Do the test given in Para. 3.

EFF: ALL 31-63-00

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TASK 31-63-00-810-810

Loss of the High Speed Bus Output from the DMC 1 Detected by the FWC 2

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE			
		RENCE	DESIGNATION
	A M M	74 50 00 740 004	
	AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
	AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
	AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)
	ASM	31-61/03	

3. Fault Confirmation

A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM DMC 1 OR 3: replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AB/1E, 1F to the first terminal block (Ref. ASM 31-61/03).
 - B. Do the test given in Para. 3.

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R

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TASK 31-63-00-810-811

Loss of the High Speed Bus Output from the DMC 2 Detected by the FWC 1

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
ASM	31-61/03		

3. Fault Confirmation

A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1 : NO DATA FROM DMC 2 OR 3: replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from DMC 2 (1WT2) pins AB/1E, 1F to the first terminal block (Ref. ASM 31-61/03).
 - B. Do the test given in Para. 3.

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EFF :

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TASK 31-63-00-810-812

Loss of the High Speed Bus Output from the DMC 1 Detected by the FWC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE			
		RENCE	DESIGNATION
		74 50 00 740 004	
	AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
	AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
	AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)
	ASM	31-61/03	

- 3. Fault Confirmation
 - A. Test
 Do the operational test of the central warning systems (FWC) (Ref. AMM
 TASK 31-50-00-710-001).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1 : NO DATA FROM DMC 1 OR 3: replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AB/1E, 1F to the first terminal block (Ref. ASM 31-61/03).
 - B. Do the test given in Para. 3.

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TASK 31-63-00-810-813

Loss of the High Speed Bus Output from the DMC 3 (DMC 2 Switched to DMC 3) Detected by the FWC 1

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
 - wiring between the DMC 3 (1WT3) and the DMC 2 (1WT2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-63-34-000-001 AMM 31-63-34-400-001 ASM 31-61/03 ASM 31-68/05	Ground Scanning of the Central Warning System Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1: NO DATA FROM DMC2 OR 3: replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from DMC 2 (1WT2) pins AB/1E, 1F to the first terminal block (Ref. ASM 31-61/03).
 - (a) If there is no continuity:
 - repair the wiring.
 - (b) If there is continuity:
 - do a check and repair the wiring between the DMC 3 (1WT3) and the DMC 2 (1WT2) from pins AB/1E, 1F to pins AA/13E, 13F (Ref. ASM 31-68/05).

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B. Do the test given in Para. 3.

EFF : ALL
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TASK 31-63-00-810-814

Loss of the High Speed Bus Output from the DMC 2 detected by the ECAM Control Panel

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-63-34-000-001 AMM 31-63-34-400-001 ASM 31-61/03	Ground Scanning of the Central Warning System Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message ECP: NO DATA FROM DMC2 OR 3:
 replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from DMC 2 (1WT2) pins AB/1E, 1F to the first terminal block (Ref. ASM 31-61/03).
 - B. Do the test given in Para. 3.

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TASK 31-63-00-810-815

Loss of the High Speed Bus Output from the DMC 2 Detected by the FWC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-50-00-710-001	Ground Scanning of the Central Warning System
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)
ASM	31-61/03	

3. Fault Confirmation

A. test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM DMC2 OR 3: replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from DMC 2 (1WT2) pins AB/1E, 1F to the first terminal block (Ref. ASM 31-61/03).
 - B. Do the test given in Para. 3.

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TASK 31-63-00-810-816

Loss of the High Speed Bus Output from the DMC 3 (DMC 1 Switched to DMC 3) Detected by the FWC 1 $\,$

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
 - wiring between the DMC 3 (1WT3) and the DMC 1 (1WT1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-63-34-000-001 AMM 31-63-34-400-001 ASM 31-61/03 ASM 31-68/05	Ground Scanning of the Central Warning System Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1: NO DATA FROM DMC 1 OR 3: replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from the DMC 1 (1WT1) pins AB/1E, 1F to the first terminal block (Ref. ASM 31-61/03).
 - (a) If there is no continuity:
 - repair the wiring.
 - (b) If there is continuity:
 - do a check and repair the wiring between the DMC 3 (1WT3) and the DMC 1 (1WT1) from pins AB/1E, 1F to pins AA/13E, 13F (Ref. ASM 31-68/05).
 - B. Do the test given in Para. 3.

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TASK 31-63-00-810-817

Loss of the High Speed Bus Output from the DMC 3 (DMC 1 Switched to DMC 3) Detected by the ECAM Control Panel

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
 - wiring between the DMC 3 (1WT3) and the DMC 1 (1WT1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-50-00-710-001 AMM 31-63-34-000-001 AMM 31-63-34-400-001 ASM 31-61/03 ASM 31-68/05	Ground Scanning of the Central Warning System Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message ECP: NO DATA FROM DMC 1 OR 3:
 replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from the DMC 1 (1WT1) pins AB/1E, 1F to the first terminal block (Ref. ASM 31-61/03).
 - (a) If there is no continuity:
 - repair the wiring.
 - (b) If there is continuity:
 - do a check and repair the wiring between the DMC 3 (1WT3) and the DMC 1 (1WT1) from pins AB/1E, 1F to pins AA/13E, 13F (Ref. ASM 31-68/05).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-818

Loss of the High Speed Bus Output from the DMC 3 (DMC 1 Switched to DMC 3) Detected by the FWC 2

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
 - wiring between the DMC 3 (1WT3) and the DMC 1 (1WT1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 31-50-00-710-001 AMM 31-63-34-000-001 AMM 31-63-34-400-001 ASM 31-61/03 ASM 31-68/05	Ground Scanning of the Central Warning System Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test

Do the operational test of the central warning systems (FWC) (Ref. AMM TASK 31-50-00-710-001).

- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC2: NO DATA FROM DMC 1 OR 3: replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from the DMC 1 (1WT1) pins AB/1E, 1F to the first terminal block (Ref. ASM 31-61/03).
 - (a) If there is no continuity:
 - repair the wiring.
 - (b) If there is continuity:
 - do a check and repair the wiring between the DMC 3 (1WT3) and the DMC 1 (1WT1) from pins AB/1E, 1F to pins AA/13E, 13F (Ref. ASM 31-68/05).
 - B. Do the test given in Para. 3.

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TASK 31-63-00-810-820

Loss of the ADC 1 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - ADIRU-1 (1FP1)
 - wiring from the ADIRU 1 (1FP1) to the DMC 1 (1WT1)
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R	AMM	31-60-00-740-002	EIS Input Test
	AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
	AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)
	AMM	34-12-34-000-001	Removal of the ADIRU (1FP1, 1FP2, 1FP3)
	AMM	34-12-34-400-001	Installation of the ADIRU (1FP1, 1FP2, 1FP3)
	ASM	31-62/01	, ,

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION	IDENT.	LOCATION
49VU NAV PROBES/ADIRU 1/AND AOA 1/26VAC	5FP1	F07
49VU NAV PROBES/ADIRU1/115VAC	4FP1	F06
105VU ADIRS/ADIRU1/28VDC	6FP1	C02

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

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R

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4. Fault Isolation

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- A. If the test gives the maintenance message DMC 1: NO ADC 1 DATA:
 replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - replace the ADIRU-1 (1FP1) (Ref. AMM TASK 34-12-34-000-001) and (Ref. AMM TASK 34-12-34-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the ADIRU 1 (1FP1) to the DMC
 1 (1WT1) (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

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TASK 31-63-00-810-821

Loss of the ADC 3 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)
ASM	31-62/01	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

	DESIGNATION		LOCATION
49VU	NAV PROBES/ADIRU3/PWR/SWTG	8FP	F09

R **ON A/C 201-225, 227-227, 229-249, 276-299, 426-430, 476-480, 503-549,

R 551-557, 701-749,

121VU ADIRS/ADIRU/3PWR/SWTG	9FP	N10
121VU ADIRS/ADIRU/3/26VAC AND AOA	5FP3	N08
121VU ADIRS/ADIRU/3/115VAC	4FP3	N06
121VU ADIRS/ADIRU/3/28VDC	6FP3	N04

**ON A/C 250-275, 431-475, 481-499, 559-599,

121VU ADIRS/ADIRU/3PWR/SWTG	9FP	N09
121VU ADIRS/ADIRU/3/26VAC AND AOA	5FP3	N07
121VU ADIRS/ADIRU/3/115VAC	4FP3	N05
121VU ADIRS/ADIRU/3/28VDC	6FP3	N03

**ON A/C ALL

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

EFF: ALL **SROS**

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4. Fault Isolation

- A. If the test gives the maintenance message DMC 1 : NO ADC 3 DATA:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from DMC 1 (1WT1) pins AA/4E, 4F to the first terminal block (Ref. ASM 31-62/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TASK 31-63-00-810-822

Loss of the ADF 1 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test
AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU NAV/ADF/1 1RP1 H14

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B. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 1: NO ADF 1 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/8C, 8D to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

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R **ON A/C 251-251, 426-450, 456-499, 503-549, 551-599,

TASK 31-63-00-810-823

Loss of the ADF 2 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM	31-60-00-740-002	EIS Input Test
AMM	31-60-00-740-007	GROUND SCANNING Test of the DMC
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	<pre>Installation of the DMC (1WT1,1WT2,1WT3)</pre>

ASM 31-62/01

3. Fault Confirmation

**ON A/C 251-251, 476-478,

Post SB 34-1063 For A/C 251-251,

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

**ON A/C 476-478,

121VU COM NAV/ADF/2

1RP2 K02

- R **ON A/C 426-450, 479-499, 503-549, 551-599,
 - B. Test
 Do the Ground Scanning Test of the DMC (Ref. AMM TASK 31-60-00-740-007).

EFF: 251-251, 426-450, 456-499, 503-549, 551-599,

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**ON A/C 251-251, 456-478,

Post SB 34-1063 For A/C 251-251,

- B. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- R **ON A/C 251-251, 426-450, 456-499, 503-549, 551-599,
 - 4. Fault Isolation
- R **ON A/C 426-450, 479-499, 503-549, 551-599,
 - A. If the test gives the maintenance message ADF2(2RP2)/DMC1(1WT1) replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from DMC 2 (1WT2) pins AA/7J, 7K
 to the first terminal block (Ref. ASM 31-62/01).

**ON A/C 251-251, 456-478,

Post SB 34-1063 For A/C 251-251,

- A. If the test gives the maintenance message DMC 1: NO ADF 2 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from DMC 2 (1WT2) pins AA/8G, 8H to the first terminal block (Ref. ASM 31-62/01).
- B. Do the test given in Para. 3.B.

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EFF: 251-251, 426-450, 456-499, 503-549, 551-599,

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**ON A/C ALL

TASK 31-63-00-810-824

Loss of the ATC 1 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
ΔΜΜ	31-60-00-740-002	EIS Input Test
	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)

3. Fault Confirmation

ASM 31-62/01

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU COM NAV/ATC/1 5SH1 G11

- B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 1 : NO ATC 1 DATA:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/13A, 13B to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

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TASK 31-63-00-810-825

Loss of the ATC 2 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______ 5SH2 K07

121VU COM NAV/ATC/2

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 1: NO ATC 2 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/13J, 13K to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-826

Loss of the DME 1 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU NAV/DME/1

1SD1 G14

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO DME 1 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/7A, 7B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-827

Loss of the DME 2 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/DME/2

1SD2 K06

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO DME 2 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/7J, 7K to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-828

Loss of the ADC 2 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)

R R

- ADIRU-2 (1FP2)
- wiring from the ADIRU 2 (1FP2) to the DMC 2 (1WT2)
- 2. Job Set-up Information
 - A. Referenced Information

121VU ADIRS/ADIRU/2PWR/SHED

121VU ADIRS/ADIRU/2/115VAC

121VU ADIRS/ADIRU/2/28VDC

121VU ADIRS/ADIRU/2/26VAC AND AOA

REFE	RENCE	DESIGNATION		
AMM	31-60-00-740-002	EIS Input Test		
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)		
AMM	31-63-34-400-001	<pre>Installation of the DMC (1WT1,1WT2,1WT3)</pre>		
AMM	34-12-34-000-001	Removal of the ADIRU (1FP1, 1FP2, 1FP3)		
	34-12-34-400-001	Installation of the ADIRU (1FP1, 1FP2, 1F	P3)	
ASM	31-62/01			
3. <u>F</u>	ault Confirmation			
A	. Make sure that th	is(these) circuit breaker(s) is(are) closed:	 ENT. LOC	 ATION
 PANE **0N	. Make sure that th	IDE 27, 229-249, 276-299, 426-430, 476-480, 503-	ENT. LOC	ATION
PANE **0N 551-	Make sure that the Land DESIGNATION Land 201-225, 227-22557, 701-749, VU ADIRS/ADIRU/2PWR VU ADIRS/ADIRU/2/26	IDE 27, 229-249, 276-299, 426-430, 476-480, 503- /SHED 10F VAC AND AOA 5F	:P2	N11 N09
 PANE **0N 551- 121 121	L DESIGNATION	IDE 27, 229-249, 276-299, 426-430, 476-480, 503- /SHED 10F VAC AND AOA 5F 5VAC 4F	FP2	N11

EFF: ALL SROS

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N10

NO8

N06

N₀4

10FP

5FP2

4FP2

6FP2

TROUBLE SHOOTING MANUAL

**ON A/C ALL

B. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

- A. If the test gives the maintenance message DMC 2: NO ADC 2 DATA:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - replace the ADIRU-2 (1FP2) (Ref. AMM TASK 34-12-34-000-001) and (Ref. AMM TASK 34-12-34-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the ADIRU 2 (1FP2) to the DMC
 2 (1WT2) (Ref. ASM 31-62/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-829

Loss of the ADC 3 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002 31-63-34-000-001 31-63-34-400-001	EIS Input Test Removal of the DMC (1WT1,1WT2,1WT3)
	31-62/01	Installation of the DMC (1WT1,1WT2,1WT3)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

	DESIGNATION		LOCATION
49VU	NAV PROBES/ADIRU3/PWR/SWTG	8FP	F09

R **ON A/C 201-225, 227-227, 229-249, 276-299, 426-430, 476-480, 503-549,

R 551-557, 701-749,

121VU ADIRS/ADIRU/3PWR/SWTG	9FP	N10
121VU ADIRS/ADIRU/3/26VAC AND AOA	5FP3	N08
121VU ADIRS/ADIRU/3/115VAC	4FP3	N06
121VU ADIRS/ADIRU/3/28VDC	6FP3	N04

**ON A/C 250-275, 431-475, 481-499, 559-599,

121VU ADIRS/ADIRU/3PWR/SWTG	9FP	N09
121VU ADIRS/ADIRU/3/26VAC AND AOA	5FP3	N07
121VU ADIRS/ADIRU/3/115VAC	4FP3	N05
121VU ADIRS/ADIRU/3/28VDC	6FP3	N03

**ON A/C ALL

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the test gives the maintenance message DMC 2 : NO ADC 3 DATA:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/4E,
 4F to the first terminal block (Ref. ASM 31-62/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-830

Loss of the ADF 1 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test
AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)
ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU NAV/ADF/1 1RP1 H14

B. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 2: NO ADF 1 DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/8C,
 8D to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

R **ON A/C 251-251, 426-450, 456-499, 503-549, 551-599,

TASK 31-63-00-810-831

Loss of the ADF 2 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM	31-60-00-740-002	EIS Input Test
AMM	31-60-00-740-007	GROUND SCANNING Test of the DMC
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	<pre>Installation of the DMC (1WT1,1WT2,1WT3)</pre>

ASM 31-62/01

3. Fault Confirmation

**ON A/C 251-251, 476-478,

Post SB 34-1063 For A/C 251-251,

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

**ON A/C 476-478,

121VU COM NAV/ADF/2 1RP2 KO2

R **ON A/C 426-450, 479-499, 503-549, 551-599,

B. Test
Do the Ground Scanning Test of the DMC (Ref. AMM TASK 31-60-00-740-007).

EFF: 251-251, 426-450, 456-499, 503-549, 551-599, SROS

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**ON A/C 251-251, 456-478,

Post SB 34-1063 For A/C 251-251,

- B. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- R **ON A/C 251-251, 426-450, 456-499, 503-549, 551-599,
 - 4. Fault Isolation
- R **ON A/C 426-450, 479-499, 503-549, 551-599,
 - A. If the test gives the maintenance message ADF2(2RP2)/DMC2(1WT2) replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/7J, 7K to the first terminal block (Ref. ASM 31-62/01).

**ON A/C 251-251, 456-478,

Post SB 34-1063 For A/C 251-251,

- A. If the test gives the maintenance message DMC 2: NO ADF 2 DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/8G, 8H to the first terminal block (Ref. ASM 31-62/01).

**ON A/C 251-251, 476-478,

Post SB 34-1063 For A/C 251-251,

B. Do the test given in Para. 3.B.

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R

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TROUBLE SHOOTING MANUAL

R **ON A/C ALL

TASK 31-63-00-810-832

Loss of the ATC 1 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIG	DESIGNATION	
AMM 31-63-34-000-001 Remov	nput Test val of the DMC (1WT1,1WT2,1WT3) valuation of the DMC (1WT1,1WT2,1WT3)	

3. Fault Confirmation

ASM 31-62/01

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION
49VU COM NAV/ATC/1 5SH1 G11

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 2 : NO ATC 1 DATA:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/13A, 13B to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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SROS

TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-833

Loss of the ATC 2 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test
AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)
ASM 31-62/01

.....

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/ATC/2

5SH2 K07

- B. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 2: NO ATC 2 DATA:
 replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/13J, 13K to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

31-63-00

R

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SROS

EFF :

TROUBLE SHOOTING MANUAL

R

TASK 31-63-00-810-834

Loss of the DME 1 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001

Removal of the DMC (1WT1,1WT2,1WT3)

AMM 31-63-34-400-001

Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU NAV/DME/1

1SD1 G14

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO DME 1 DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/7A, 7B to the first terminal block (Ref. ASM 31-62/01).

R

EFF: ALL **SROS**

31-63-00

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B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-835

Loss of the DME 2 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/DME/2

1SD2 K06

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO DME 2 DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/7J, 7K to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF : ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-836

Loss of the ADC 1 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)

AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION
49VU NAV PROBES/ADIRU1/115VAC 4FP1 F06

R **ON A/C 201-225, 227-227, 229-249, 276-299, 426-430, 476-480, 503-549,

R 551-557, 701-749,

121VU ADIRS/ADIRU/2/115VAC 4FP2 NO7 121VU ADIRS/ADIRU/3/115VAC 4FP3 NO6

**ON A/C 250-275, 431-475, 481-499, 559-599,

121VU ADIRS/ADIRU/2/115VAC 4FP2 N06 121VU ADIRS/ADIRU/3/115VAC 4FP3 N05

**ON A/C ALL

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

EFF: ALL 31-63-00

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4. Fault Isolation

- A. If the test gives the maintenance message DMC 3 : NO ADC 1 DATA:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/5C,
 5D to the first terminal block (Ref. ASM 31-62/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-837

Loss of the ADC 3 Output Bus by the DMC 3 $\,$

- 1. Possible Causes
 - DMC-3 (1WT3)

R R

- ADIRU-3 (1FP3)
- wiring from the ADIRU 3 (1FP3) to the DMC 3 (1WT3)
- 2. Job Set-up Information
 - A. Referenced Information

AMM 31-60-00-740-002 EIS Input Test		
AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2)	,1WT3)	
AMM 31-63-34-400-001 Installation of the DMC (1WT1)		
AMM 34-12-34-000-001 Removal of the ADIRU (1FP1, 1	FP2, 1FP3)	
AMM 34-12-34-400-001 Installation of the ADIRU (1FF	P1, 1FP2, 1FP3)	
ASM 31-62/01		
A. Make sure that this(these) circuit breaker(s) is(a		
PANEL DESIGNATION	IDENT.	LOCATION
	IDENT.	LOCATION F09
PANEL DESIGNATION 49VU NAV PROBES/ADIRU3/PWR/SWTG **ON A/C 201-225, 227-227, 229-249, 276-299, 426-430, 47	IDENT. 8FP	F09
PANEL DESIGNATION 49VU NAV PROBES/ADIRU3/PWR/SWTG **ON A/C 201-225, 227-227, 229-249, 276-299, 426-430, 47	IDENT. 8FP	F09
PANEL DESIGNATION	IDENT. 8FP 76-480, 503-549,	F09 N10
PANEL DESIGNATION 49VU NAV PROBES/ADIRU3/PWR/SWTG **ON A/C 201-225, 227-227, 229-249, 276-299, 426-430, 47551-557, 701-749, 121VU ADIRS/ADIRU/3PWR/SWTG	IDENT. 8FP 76-480, 503-549, 9FP	F09 N10 N08

EFF: ALL SROS

121VU ADIRS/ADIRU/3PWR/SWTG

121VU ADIRS/ADIRU/3/115VAC

121VU ADIRS/ADIRU/3/28VDC

121VU ADIRS/ADIRU/3/26VAC AND AOA

31-63-00

9FP

5FP3

4FP3

6FP3

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N09

N07

N05

N03

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**ON A/C ALL

B. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

- A. If the test gives the maintenance message DMC 3: NO ADC 3 DATA:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - replace the ADIRU-3 (1FP3) (Ref. AMM TASK 34-12-34-000-001) and (Ref. AMM TASK 34-12-34-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the ADIRU 3 (1FP3) to the DMC
 3 (1WT3) (Ref. ASM 31-62/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-838

Loss of the ADF 1 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______ 49VU NAV/ADF/1 1RP1 H14

B. Test

Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 3 : NO ADF 1 DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/8C, 8D to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

R **ON A/C 251-251, 426-450, 456-499, 503-549, 551-599,

TASK 31-63-00-810-839

Loss of the ADF 2 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

DEFEDENCE	DESTGNATION

AMM AMM	31-60-00-740-002 31-60-00-740-007 31-63-34-000-001 31-63-34-400-001	EIS Input Test GROUND SCANNING Test of the DMC Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)
	31-62/01	Instactation of the Did (IWIT, IWIZ, IWIZ,

3. Fault Confirmation

**ON A/C 251-251, 476-478,

Post SB 34-1063 For A/C 251-251,

A. Make sure that this(these) circuit breaker(s) is(are) closed:

._____

PANEL DESIGNATION

IDENT. LOCATION

**ON A/C 476-478,

SROS

121VU COM NAV/ADF/2

1RP2 K02

- R **ON A/C 426-450, 479-499, 503-549, 551-599,
 - B. Test
 Do the Ground Scanning Test of the DMC (Ref. AMM TASK 31-60-00-740-007).

EFF: 251-251, 426-450, 456-499, 503-549, 551-599,

31-63-00

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**ON A/C 251-251, 456-478,

Post SB 34-1063 For A/C 251-251,

- B. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- R **ON A/C 251-251, 426-450, 456-499, 503-549, 551-599,
 - 4. Fault Isolation
- R **ON A/C 426-450, 479-499, 503-549, 551-599,
 - A. If the test gives the maintenance message ADF2(2RP2)/DMC3(1WT3) replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/7J,
 7K to the first terminal block (Ref. ASM 31-62/01).

**ON A/C 251-251, 456-478,

Post SB 34-1063 For A/C 251-251,

- A. If the test gives the maintenance message DMC 3: NO ADF 2 DATA:
 replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/8G, 8H to the first terminal block (Ref. ASM 31-62/01).

**ON A/C 251-251, 476-478,

Post SB 34-1063 For A/C 251-251,

B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-63-00-810-840

Loss of the ATC 1 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)

3. Fault Confirmation

ASM 31-62/01

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION
49VU COM NAV/ATC/1 5SH1 G11

- B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 3 : NO ATC 1 DATA:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/13A, 13B to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-841

Loss of the ATC 2 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3) AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______ 5SH2 K07

121VU COM NAV/ATC/2

- B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 3 : NO ATC 2 DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/13J, 13K to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-842

Loss of the DME 1 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

1SD1 49VU NAV/DME/1 G14

R

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3: NO DME 1 DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/7A, 7B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-843

Loss of the DME 2 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3) AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3) ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______ 1SD2 K06

121VU COM NAV/DME/2

- B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 3 : NO DME 2 DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/7J, 7K to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-844

Loss of the ADC 2 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
· · · · · ·	

AMM 31-60-00-740-002 EIS Input Test
AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)
ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION			IDENT.	LOCATION

R **ON A/C 201-225, 227-227, 229-249, 276-299, 426-430, 476-480, 503-549, R 551-557, 701-749,

121VU ADIRS/ADIRU/2PWR/SHED	10FP	N11
121VU ADIRS/ADIRU/2/26VAC AND AOA	5FP2	N09
121VU ADIRS/ADIRU/2/115VAC	4FP2	N07
121VU ADIRS/ADIRU/2/28VDC	6FP2	N05

**ON A/C 250-275, 431-475, 481-499, 559-599,

121VU ADIRS/ADIRU/2PWR/SHED	10FP	N10
121VU ADIRS/ADIRU/2/26VAC AND AOA	5FP2	N08
121VU ADIRS/ADIRU/2/115VAC	4FP2	N06
121VU ADIRS/ADIRU/2/28VDC	6FP2	N04

**ON A/C ALL

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

EFF: ALL

31-63-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the test gives the maintenance message:
 - DMC 3: NO ADC 2 DATA
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/6G, 6H to the first terminal block (Ref. ASM 31-62/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-845

Loss of the ILS1 (MMR1) Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

KEFERENCE PESIGNATION

AMM 31-60-00-740-002 EIS Input Test
AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

R **ON A/C 201-225, 227-227, 229-245, 276-299,

49VU NAV/ILS/1 1RT1 G12

**ON A/C 247-275, 426-499, 503-549, 551-599, 701-749,

49VU NAV/MMR/1 42RT1 G12

**ON A/C ALL

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the test gives the maintenance message DMC 1: NO ILS 1 DATA:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/6A,
 6B to the first terminal block (Ref. ASM 31-62/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-846

Loss of the ILS2 (MMR2) Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION		
AMM 31-60-00-740-002 AMM 31-63-34-000-001 AMM 31-63-34-400-001 ASM 31-62/01	EIS Input Test		
3. Fault Confirmation			
A. Make sure that this	(these) circuit breaker(s) is(are) clo	sed:	
PANEL DESIGNATION			LOCATION
**ON A/C 201-225, 227-227	, 229-245, 276-299,		
121VU COM NAV/ILS/2		1RT2	K09
**ON A/C 247-249, 426-430	, 476-480, 503-549, 551-557, 701-749,		
121VU COM NAV/MMR/2		42RT2	K09

EFF: ALL

121VU COM NAV/MMR/2

**ON A/C 250-275, 431-475, 481-499, 559-599,

31-63-00

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42RT2 L07

SROS

R

TROUBLE SHOOTING MANUAL

R **ON A/C ALL

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO ILS 2 DATA:
 replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/6J, 6K to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-847

Loss of the IRS 1 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - ADIRU-1 (1FP1)
 - wiring from the ADIRU 1 (1FP1) to the DMC 1 (1WT1)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM AMM	31-63-34-000-001 31-63-34-400-001 34-12-34-000-001 34-12-34-400-001 31-62/01	Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3) Removal of the ADIRU (1FP1, 1FP2, 1FP3) Installation of the ADIRU (1FP1, 1FP2, 1FP3)

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	NAV PROBES/ADIRU 1/AND AOA 1/26VAC	5FP1	F07
49VU	NAV PROBES/ADIRU1/115VAC	4FP1	F06
105VU	ADIRS/ADIRU1/28VDC	6FP1	C02

R

B. Test

Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

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4. Fault Isolation

- A. If the test gives the maintenance message DMC 1: NO IRS 1 DATA:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - replace the ADIRU-1 (1FP1) (Ref. AMM TASK 34-12-34-000-001) and (Ref. AMM TASK 34-12-34-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the ADIRU 1 (1FP1) to the DMC
 1 (1WT1) (Ref. ASM 31-62/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-848

Loss of the IRS 3 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring

R

- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION			
AMM 31-60-00-740-002 AMM 31-63-34-000-001 AMM 31-63-34-400-001 ASM 31-62/01			
3. Fault Confirmation			
A. Make sure that this	(these) circuit breaker(s) is(are) cl	osed:	
PANEL DESIGNATION		IDENT. L	OCATION
49VU NAV PROBES/ADIRU3/		8FP	F09
**ON A/C 201-225, 227-227 551-557, 701-749,	, 229-249, 276-299, 426-430, 476-480,	503-549,	
121VU ADIRS/ADIRU/3PWR/S 121VU ADIRS/ADIRU/3/26VA 121VU ADIRS/ADIRU/3/115V 121VU ADIRS/ADIRU/3/28VD	C AND AOA AC	9FP 5FP3 4FP3 6FP3	N08 N06
**ON A/C 250-275, 431-475	, 481-499, 559-599,		
121VU ADIRS/ADIRU/3PWR/S 121VU ADIRS/ADIRU/3/26VA 121VU ADIRS/ADIRU/3/115V	C AND AOA	9FP 5FP3 4FP3	NO9 NO7 NO5

EFF: ALL SROS

121VU ADIRS/ADIRU/3/28VDC

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N03

6FP3

TROUBLE SHOOTING MANUAL

R **ON A/C ALL

B. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO IRS 3 DATA:
 replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/3E, 3F to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-849

Loss of the RA 1 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/RAD ALTM/1

1SA1 K11

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1 : NO RA 1 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/5A, 5B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-850

Loss of the RA 2 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/RAD ALTM/2

1SA2 K 12

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO RA 2 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/5J, 5K to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-851

Loss of the VOR 1 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU NAV/VOR/1

2RS1 G13

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO VOR 1 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/8A, 8B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-852

Loss of the VOR 2 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3) ASM 31-62/01

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______ 121VU COM NAV/VOR/2

2RS2 K08

- B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 1: NO VOR 2 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/8J, 8K to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-853

Loss of the ILS1 (MMR1) Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

DEFEDENCE DESTANTION

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)

AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

R **ON A/C 201-225, 227-227, 229-245, 276-299,

49VU NAV/ILS/1 1RT1 G12

**ON A/C 247-275, 426-499, 503-549, 551-599, 701-749,

49VU NAV/MMR/1 42RT1 G12

**ON A/C ALL

B. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the test gives the maintenance message DMC 2 : NO ILS 1 DATA:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/6A,
 6B to the first terminal block (Ref. ASM 31-62/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-854

Loss of the ILS2 (MMR2) Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002

EIS Input Test

AMM 31-63-34-000-001

Removal of the DMC (1WT1,1WT2,1WT3)

AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

R **ON A/C 201-225, 227-227, 229-245, 276-299,

121VU COM NAV/ILS/2

1RT2 K09

**ON A/C 247-249, 426-430, 476-480, 503-549, 551-557, 701-749,

121VU COM NAV/MMR/2

42RT2

K09

**ON A/C 250-275, 431-475, 481-499, 559-599,

121VU COM NAV/MMR/2

42RT2

L07

**ON A/C ALL

B. Test

Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

EFF: ALL

31-63-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the test gives the maintenance message DMC 2 : NO ILS 2 DATA:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/6J,
 6K to the first terminal block (Ref. ASM 31-62/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-855

Loss of the IRS 2 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)

R R

- ADIRU-2 (1FP2)
- wiring from the ADIRU 2 (1FP2) to the DMC 2 (1WT2)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
AMM	34-12-34-000-001	Removal of the ADIRU (1FP1, 1FP2, 1FP3)	
AMM	34-12-34-400-001	Installation of the ADIRU (1FP1, 1FP2, 1FP3)	
ASM	31-62/01		
	ault Confirmation . Make sure that th	is(these) circuit breaker(s) is(are) closed:	
A	. Make sure that the	is(these) circuit breaker(s) is(are) closed: IDENT. L	
 PANE 	. Make sure that th	 IDENT. L	
A PANE **0N	Make sure that the DESIGNATION A/C 201-225, 227-22	IDENT. L 27, 229-249, 276-299, 426-430, 476-480, 503-549,	
A PANE **0N 551-	A/C 201-225, 227-2257, 701-749,	IDENT. L 27, 229-249, 276-299, 426-430, 476-480, 503-549, /SHED 10FP	OCATION
**0N 551-	A/C 201-225, 227-2257, 701-749,	IDENT. L 27, 229-249, 276-299, 426-430, 476-480, 503-549, /SHED 10FP VAC AND AOA 5FP2	OCATION

EFF: ALL SROS

121VU ADIRS/ADIRU/2PWR/SHED

121VU ADIRS/ADIRU/2/115VAC

121VU ADIRS/ADIRU/2/28VDC

121VU ADIRS/ADIRU/2/26VAC AND AOA

31-63-00

10FP

5FP2

4FP2

6FP2

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N10

NO8

N06

N₀4

TROUBLE SHOOTING MANUAL

**ON A/C ALL

B. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

- A. If the test gives the maintenance message DMC 2: NO IRS 2 DATA:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - replace the ADIRU-2 (1FP2) (Ref. AMM TASK 34-12-34-000-001) and (Ref. AMM TASK 34-12-34-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the ADIRU 2 (1FP2) to the DMC
 2 (1WT2) (Ref. ASM 31-62/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-856

Loss of the IRS 3 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring

R

- 2. Job Set-up Information
 - A. Referenced Information

	DESIGNATION		
	EIS Input Test Removal of the DMC (1WT1,1WT2, Installation of the DMC (1WT1,		
3. Fault Confirmation			
A. Make sure that thi	s(these) circuit breaker(s) is(a	re) closed:	
PANEL DESIGNATION		IDENT.	LOCATION
49VU NAV PROBES/ADIRU3		8FP	F09
**ON A/C 201-225, 227-22 551-557, 701-749,	7, 229-249, 276-299, 426-430, 47	6-480, 503-549	,
121VU ADIRS/ADIRU/3PWR/ 121VU ADIRS/ADIRU/3/26V 121VU ADIRS/ADIRU/3/115 121VU ADIRS/ADIRU/3/28V	AC AND AOA VAC	9FP 5FP3 4FP3 6FP3	N08 N06
**ON A/C 250-275, 431-47	5, 481-499, 559-599,		
121VU ADIRS/ADIRU/3PWR/ 121VU ADIRS/ADIRU/3/26V		9FP 5FP3	N09 N07

EFF: ALL
SROS

121VU ADIRS/ADIRU/3/115VAC

121VU ADIRS/ADIRU/3/28VDC

31-63-00

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N₀5

N03

4FP3

6FP3

TROUBLE SHOOTING MANUAL

R **ON A/C ALL

B. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO IRS 3 DATA:
 replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/3E, 3F to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-857

Loss of the RA 1 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ IDENT. LOCATION PANEL DESIGNATION

121VU COM NAV/RAD ALTM/1

1SA1 K11

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2 : NO RA 1 DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/5A, 5B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-858

Loss of the RA 2 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/RAD ALTM/2

1SA2 K 12

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2 : NO RA 2 DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/5J, 5K to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-859

Loss of the VOR 1 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU NAV/VOR/1

2RS1 G13

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO VOR 1 DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/8A, 8B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-860

Loss of the VOR 2 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test
AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)
ASM 31-62/01

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/VOR/2 2RS2 K08

- B. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 2: NO VOR 2 DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/8J, 8K to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-861

Loss of the ILS1 (MMR1) Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 31-60-00-740-002 EIS Input Test
AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

3. Fault Confirmation

ASM 31-62/01

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

R **ON A/C 201-225, 227-227, 229-245, 276-299,

49VU NAV/ILS/1 1RT1 G12

**ON A/C 247-275, 426-499, 503-549, 551-599, 701-749,

49VU NAV/MMR/1 42RT1 G12

**ON A/C ALL

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the test gives the maintenance message DMC 3 : NO ILS 1 DATA:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/6A,
 6B to the first terminal block (Ref. ASM 31-62/01).
- B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-862

Loss of the ILS2 (MMR2) Output Bus by the DMC ${\bf 3}$

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

		DESIGNATION					
AMM AMM AMM AMM AMM	31-60-00-740-002 31-63-34-000-001 31-63-34-400-001 34-36-31-000-002 34-36-31-000-003 34-36-31-400-002 34-36-31-400-003	EIS Input Test Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3) Removal of the Multi Mode Receiver (40RT1, 40RT2) Removal of the ILS Receiver (2RT1, 2RT2) Installation of the Multi Mode Receiver (40RT1, 40RT2)					
3. <u>F</u>	ault Confirmation						
A. Make sure that this(these) circuit breaker(s) is(are) closed:							
	L DESIGNATION		IDENT.	LOCATION			
	L DESIGNATION		IDENT.	LOCATION			
**ON	L DESIGNATION		IDENT.	LOCATION			
**0N	L DESIGNATION 		IDENT.	LOCATION			

EFF: ALL

SROS

121VU COM NAV/MMR/2

R

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42RT2 L07

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

- B. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-245, 254-286, 456-475,
 - A. If the test gives the maintenance message DMC 3: NO ILS 2 DATA:
 replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/6J,
 6K to the first terminal block (Ref. ASM 31-62/01).

**ON A/C 247-253, 287-299, 426-455, 476-499, 503-549, 551-599, 701-749,

- A. If the test gives the maintenance message ILS2(40RT2)/DMC3(1WT3) or MMR2(40RT2)/DMC3(1WT3)
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the ILS2/MMR2 (40RT2) pins AB-1G/1H to the DMC3 (1WT3) pins AA-10J/10K (Ref. ASM 31-62/01).
 - (2) If the fault continues:
 - replace the ILS2 (40RT2) (Ref. AMM TASK 34-36-31-000-003) and (Ref. AMM TASK 34-36-31-400-003), or the MMR2 (40RT2) (Ref. AMM TASK 34-36-31-000-002).

**ON A/C ALL

B. Do the test given in Para. 3.B.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-863

Loss of the IRS 1 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)

AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	NAV PROBES/ADIRU 1/AND AOA 1/26VAC	5FP1	F07
49VU	NAV PROBES/ADIRU1/115VAC	4FP1	F06
105VU	ADIRS/ADIRU1/28VDC	6FP1	C02

- B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 3 : NO IRS 1 DATA:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/5C,
 5D to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-864

Loss of the IRS 3 Output Bus by the DMC 3

1. Possible Causes

R R

- DMC-3 (1WT3)
- ADIRU-3 (1FP3)
- wiring from the ADIRU 3 (1FP3) to the DMC 3 (1WT3)
- 2. Job Set-up Information
 - A. Referenced Information

	DESIGNATION				
AMM 31-60-00-740-002 AMM 31-63-34-000-001 AMM 31-63-34-400-001 AMM 34-12-34-000-001 AMM 34-12-34-400-001 ASM 31-62/01	Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3) Removal of the ADIRU (1FP1, 1FP2, 1FP3)				
3. Fault Confirmation					
A. Make sure that this(these) circuit breaker(s) is(are) closed:					
PANEL DESIGNATION		IDENT.	LOCATION		
49VU NAV PROBES/ADIRU3/	 PWR/SWTG		F09		
**ON A/C 201-225, 227-227, 229-249, 276-299, 426-430, 476-480, 503-549, 551-557, 701-749,					
121VU ADIRS/ADIRU/3PWR/S 121VU ADIRS/ADIRU/3/26VA 121VU ADIRS/ADIRU/3/115V	C AND AOA	9FP 5FP3 4FP3			
121VU ADIRS/ADIRU/3/28VD	С	6FP3	N04		
**ON A/C 250-275, 431-475	, 481-499, 559-599,				

EFF: ALL
SROS

121VU ADIRS/ADIRU/3PWR/SWTG

121VU ADIRS/ADIRU/3/115VAC

121VU ADIRS/ADIRU/3/28VDC

121VU ADIRS/ADIRU/3/26VAC AND AOA

31-63-00

9FP

5FP3

4FP3

6FP3

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N09

N07

N05

N03



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R **ON A/C ALL

B. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3: NO IRS 3 DATA:
 replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - replace the ADIRU-3 (1FP3) (Ref. AMM TASK 34-12-34-000-001) and (Ref. AMM TASK 34-12-34-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the ADIRU 3 (1FP3) to the DMC
 3 (1WT3) (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-865

Loss of the RA 1 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/RAD ALTM/1

1SA1 K11

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3 : NO RA 1 DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/5A, 5B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-866

Loss of the RA 2 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/RAD ALTM/2

1SA2 K 12

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3 : NO RA 2 DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/5J, 5K to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-867

Loss of the VOR 1 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU NAV/VOR/1

2RS1 G13

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3: NO VOR 1 DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/8A, 8B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-868

Loss of the VOR 2 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3) ASM 31-62/01

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______ 2RS2 K08 121VU COM NAV/VOR/2

- B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 3: NO VOR 2 DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/8J, 8K to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-869

Loss of the IRS 2 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring

R R

SROS

- 2. Job Set-up Information
 - A. Referenced Information

121VU ADIRS/ADIRU/2/115VAC

121VU ADIRS/ADIRU/2/28VDC

REFERENCE	DESIGNATION		
AMM 31-60-00-740-002 AMM 31-63-34-000-001 AMM 31-63-34-400-001 ASM 31-62/01			
3. Fault Confirmation			
A. Make sure that th	is(these) circuit breaker(s) is(ar	e) closed:	
PANEL DESIGNATION		IDENT.	LOCATION
**ON A/C 201-225, 227-2 551-557, 701-749,	27, 229-249, 276-299, 426-430, 476	-480, 503-549,	
121VU ADIRS/ADIRU/2PWR	/SHED	10FP	N11
IL ING ANTIKO/ TIMIK	121VU ADIRS/ADIRU/2/26VAC AND AOA		
	VAC AND AOA	5FP2	N09
		5FP2 4FP2	
121VU ADIRS/ADIRU/2/26	5VAC		N07
121VU ADIRS/ADIRU/2/26 121VU ADIRS/ADIRU/2/11	5VAC VDC	4FP2	N07
121VU ADIRS/ADIRU/2/26 121VU ADIRS/ADIRU/2/11 121VU ADIRS/ADIRU/2/28	5VAC VDC 75, 481-499, 559-599,	4FP2	N07

EFF: ALL 31-63-00

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N₀6

N04

4FP2

6FP2

TROUBLE SHOOTING MANUAL

R **ON A/C ALL

B. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3: NO IRS 2 DATA:
 replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/5G,
 5H to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

Printed in France

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-870

Loss of the ECU 1 Channel A Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU ENGINE/1/FADEC A/AND EIU 1

2KS1 A04

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1 : NO ECU 1A DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/1A, 1B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-871

Loss of the ECU 1 Channel B Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU ENGINE/ENG1/FADEC B/AND EIU 1

4KS1 R41

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO ECU 1B DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/15A, 15B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-872

Loss of the ECU 2 Channel A Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002

EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU ENGINE/2/FADEC A/AND EIU 2

2KS2 A05

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 1 : NO ECU 2A DATA:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/1J, 1K to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

31-63-00 EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-873

Loss of the ECU 2 Channel B Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU ENGINE/ENG2/FADEC B

4KS2

Q40

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO ECU 2B DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/15J, 15K to the first terminal block (Ref. ASM 31-62/01).

R

SROS

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

**ON A/C 456-475,

TASK 31-63-00-810-874

Loss of the EEC 1 Channel A Output Bus by the DMC 1

1. Possible Causes

R

- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU ENGINE/1/FADEC A/AND EIU 1

2KS1 A04

R B. Test
R Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R A. Do the test given in Para. 3.B.

456-475,

31-63-00

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|EFF :

TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-875

Loss of the EEC 1 Channel B Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______

121VU ENGINE/ENG1/FADEC B/AND EIU 1

4KS1 R41

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R B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

- 4. Fault Isolation
- R A. If the test gives the maintenance message DMC 1: NO EEC 1B DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001). R
- (1) If the fault continues: R
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/15A, 15B to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

31-63-00

R

EFF: 456-475,

TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-876

Loss of the EEC 2 Channel A Output Bus by the DMC 1

1. Possible Causes

R

- 2. Job Set-up Information
 - A. Referenced Information

DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

49VU ENGINE/2/FADEC A/AND EIU 2

2KS2 A05

R B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R

A. Do the test given in Para. 3.B.

31-63-00

EFF: 456-475,

SROS

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-877

Loss of the EEC 2 Channel B Output Bus by the DMC 1

1. Possible Causes

R

- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

121VU ENGINE/ENG2/FADEC B

4KS2 Q40

R B. Test
R Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R

A. Do the test given in Para. 3.B.

31-63-00

EFF:

456-475,

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-63-00-810-878

Loss of the ECU 1 Channel A Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 AMM 31-63-34-400-001

Removal of the DMC (1WT1,1WT2,1WT3)
Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU ENGINE/1/FADEC A/AND EIU 1

PANEL DESIGNATION IDENT. LUCATION

C A/AND EIU 1 2KS1 AO4

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

EFF: ALL

31-63-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO ECU 1A DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/1A, 1B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL SROS Printed in France 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-879

Loss of the ECU 1 Channel B Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU ENGINE/ENG1/FADEC B/AND EIU 1

4KS1 R41

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO ECU 1B DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/15A, 15B to the first terminal block (Ref. ASM 31-62/01).

R

SROS

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-880

Loss of the ECU 2 Channel A Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU ENGINE/2/FADEC A/AND EIU 2

2KS2 A05

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO ECU 2A DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/1J, 1K to the first terminal block (Ref. ASM 31-62/01).

R

SROS

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-881

Loss of the ECU 2 Channel B Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

EIS Input Test

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU ENGINE/ENG2/FADEC B

4KS2 Q40

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO ECU 2B DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from DMC 2 (1WT2) pins AA/15J, 15K to the first terminal block (Ref. ASM 31-62/01).

R

SROS

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

**ON A/C 456-475,

TASK 31-63-00-810-882

Loss of the EEC 1 Channel A Output Bus by the DMC 2

1. Possible Causes

R

- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

R AMM 31-60-00-740-002 EIS Input Test

R

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU ENGINE/1/FADEC A/AND EIU 1

2KS1 A04

R B. Test
R Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R A. Do the test given in Para. 3.B.

31-63-00

2

EFF: 456-475,

SROS

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-883

Loss of the EEC 1 Channel B Output Bus by the DMC 2

1. Possible Causes

R

- 2. Job Set-up Information
 - A. Referenced Information

______ DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

121VU ENGINE/ENG1/FADEC B/AND EIU 1

4KS1 R41

R B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R

A. Do the test given in Para. 3.B.

31-63-00

EFF: 456-475,

SROS

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-884

Loss of the EEC 2 Channel A Output Bus by the DMC 2

1. Possible Causes

R

- 2. Job Set-up Information
 - A. Referenced Information

DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

49VU ENGINE/2/FADEC A/AND EIU 2

2KS2 A05

R B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

A. Do the test given in Para. 3.B. R

31-63-00

SROS

EFF:

456-475,

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-885

Loss of the EEC 2 Channel B Output Bus by the DMC 2

1. Possible Causes

R

- 2. Job Set-up Information
 - A. Referenced Information

DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

121VU ENGINE/ENG2/FADEC B

456-475,

4KS2 Q40

R B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R

A. Do the test given in Para. 3.B.

31-63-00

EFF:

SROS

Printed in France

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-63-00-810-886

Loss of the ECU 1 Channel A Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

______ REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 AMM 31-63-34-400-001

Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______

49VU ENGINE/1/FADEC A/AND EIU 1

2K\$1 A04

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3: NO ECU 1A DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/1A, 1B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL SROS Printed in France 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-887

Loss of the ECU 1 Channel B Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU ENGINE/ENG1/FADEC B/AND EIU 1

4KS1 R41

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3 : NO ECU 1B DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/15A, 15B to the first terminal block (Ref. ASM 31-62/01).

R

SROS

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-888

Loss of the ECU 2 Channel A Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU ENGINE/2/FADEC A/AND EIU 2

2KS2

A05

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3 : NO ECU 2A DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/1J, 1K to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-889

Loss of the ECU 2 Channel B Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU ENGINE/ENG2/FADEC B

4KS2 Q40

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3 : NO ECU 2B DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/15J, 15K to the first terminal block (Ref. ASM 31-62/01).

R

SROS

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

**ON A/C 456-475,

TASK 31-63-00-810-890

Loss of the EEC 1 Channel A Output Bus by the DMC 3

1. Possible Causes

R

- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

R AMM 31-60-00-740-002 EIS Input Test

R

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU ENGINE/1/FADEC A/AND EIU 1

2KS1 A04

R B. Test
R Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R A. Do the test given in Para. 3.B.

31-63-00

₹

EFF: 456-475,

SROS

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-891

Loss of the EEC 1 Channel B Output Bus by the DMC 3

1. Possible Causes

R

- 2. Job Set-up Information
 - A. Referenced Information

______ DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

121VU ENGINE/ENG1/FADEC B/AND EIU 1

4KS1 R41

R B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R

A. Do the test given in Para. 3.B.

31-63-00

SROS

EFF:

456-475,

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-892

Loss of the EEC 2 Channel A Output Bus by the DMC 3

1. Possible Causes

R

- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

R AMM 31-60-00-740-002 EIS Input Test

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

49VU ENGINE/2/FADEC A/AND EIU 2

2KS2 A05

R B. Test
R Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R

A. Do the test given in Para. 3.B.

31-63-00

1

SROS

EFF:

456-475,

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-893

Loss of the EEC 2 Channel B Output Bus by the DMC 3

1. Possible Causes

R

- 2. Job Set-up Information
 - A. Referenced Information

______ DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

IDENT. LOCATION

121VU ENGINE/ENG2/FADEC B

4KS2 Q40

R B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R

A. Do the test given in Para. 3.B.

31-63-00

EFF: 456-475,

SROS

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-63-00-810-894

Loss of the FAC 1 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

______ REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	<pre>Installation of the DMC (1WT1,1WT2,1WT3)</pre>
ASM	22-65/01	
ASM	31-62/01	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	AUTO FLT/FAC1/28VDC	5CC1	B04
49VU	AUTO FLT/FAC1/26VAC	14CC1	B03

R

B. Test

Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

SROS

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO FAC 1 DATA:
 replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/3C, 3D to the first terminal block (Ref. ASM 31-62/01).
 - (2) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pin AB/1K to the first terminal block (Ref. ASM 22-65/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-895

Loss of the FAC 2 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION		
R	AMM	31-60-00-740-002	EIS Input Test		
П					

AMM 31-63-34-000-001 AMM 31-63-34-400-001

Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)

ASM 22-65/01

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
12 1VU	AUTO FLT/FAC2/28VDC	5002	M19
12 1VU	AUTO FLT/FAC2/26VAC	14CC2	M18

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO FAC 2 DATA:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/3G, 3H to the first terminal block (Ref. ASM 31-62/01).

R	EFF :	ALL	31-63-00	Page A222 Aug 01/05
	SROS			

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TROUBLE SHOOTING MANUAL

- (2) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pin AB/2K to the first terminal block (Ref. ASM 22-65/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-896

Loss of the FCU 2 Channel A Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU AUTO FLT/FCU/2

9CA2 M21

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO FCU 2A DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/1F, 1G to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-897

Loss of the FCU 2 Channel B Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU AUTO FLT/FCU/2

9CA2 M21

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R

R

- A. If the test gives the maintenance message DMC 2: NO FCU 2B DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/2F, 2G to the first terminal block (Ref. ASM 31-62/01).

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-898

Loss of the FGC 1 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU AUTO FLT/FMGC/1

10CA1 B02

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO FGC 1 DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/3A, 3B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-899

Loss of the FGC 2 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

R

AMM 31-60-00-740-002

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU AUTO FLT/FMGC/2

10CA2

M17

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO FGC 2 DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/3J, 3K to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-900

Loss of the FMC 2 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU AUTO FLT/FMGC/2

10CA2 M17

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO FMC 2 DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/4J, 4K to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-901

Loss of the FMC 1 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU AUTO FLT/FMGC/1

10CA1 B02

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO FMC 1 DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/4A, 4B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-902

Loss of the FMC 2 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU AUTO FLT/FMGC/2

10CA2

M17

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3: NO FMC 2 DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/4J, 4K to the first terminal block (Ref. ASM 31-62/01).

R

SROS

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-903

Loss of the FAC 1 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 22-65/01 ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
	AUTO FLT/FAC1/28VDC	5CC1	B04
	AUTO FLT/FAC1/26VAC	14CC1	B03

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO FAC 1 DATA:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/3C, 3D to the first terminal block (Ref. ASM 31-62/01).

EFF: ALL

31-63-00

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TROUBLE SHOOTING MANUAL

- (2) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pin AB/1K to the first terminal block (Ref. ASM 22-65/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-904

Loss of the FAC 2 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 22-65/01

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
	AUTO FLT/FAC2/28VDC	5CC2 14CC2	M19 M18

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO FAC 2 DATA:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/3G, 3H to the first terminal block (Ref. ASM 31-62/01).

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

- (2) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pin AB/2K to the first terminal block (Ref. ASM 22-65/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-905

Loss of the FCU 1 Channel A Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU AUTO FLT/FCU/1

9CA1 B05

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R

- A. If the test gives the maintenance message DMC 1 : NO FCU 1A DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/1D, 1E to the first terminal block (Ref. ASM 31-62/01).

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-906

Loss of the FCU 1 Channel B Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU AUTO FLT/FCU/1

B05

9CA1

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1 : NO FCU 1B DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/2D, 2E to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-907

Loss of the FGC 1 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

3. Fault Confirmation

ASM 31-62/01

A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ IDENT. LOCATION

PANEL DESIGNATION

49VU AUTO FLT/FMGC/1

10CA1 B02

R

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R

- A. If the test gives the maintenance message DMC 1: NO FGC 1 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/3A, 3B to the first terminal block (Ref. ASM 31-62/01).

B. Do the test given in Para. 3.B.

EFF : ALL **SROS**

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-908

Loss of the FGC 2 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU AUTO FLT/FMGC/2

10CA2 M17

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO FGC 2 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/3J, 3K to the first terminal block (Ref. ASM 31-62/01).

R

SROS

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-909

Loss of the FMC 1 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU AUTO FLT/FMGC/1

10CA1 B02

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO FMC 1 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/4A, 4B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-910

Loss of the FMC 2 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

R

AMM 31-60-00-740-002

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU AUTO FLT/FMGC/2

10CA2

M17

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO FMC 2 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM
 - TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/4J, 4K to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-911

Loss of the TCAS Input Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

R **ON A/C 201-225, 227-227, 229-245, 254-299, 426-499, 503-549, 551-599, R 701-749,

121VU COM NAV/TCAS 4SG K10

**ON A/C ALL

- B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 1: NO TCAS DATA:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/5E, 5F to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-912

Loss of the TCAS Input Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION TDENT LOCATION ______

R **ON A/C 201-225, 227-227, 229-245, 254-299, 426-499, 503-549, 551-599, R 701-749,

121VU COM NAV/TCAS 4SG K10

**ON A/C ALL

- B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 2: NO TCAS DATA:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/5E, 5F to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

31-63-00 EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-913

Loss of the TCAS Input Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION TDENT LOCATION ______

R **ON A/C 201-225, 227-227, 229-245, 254-299, 426-499, 503-549, 551-599, R 701-749,

121VU COM NAV/TCAS 4SG K10

**ON A/C ALL

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 3 : NO TCAS DATA:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/5E, 5F to the first terminal block (Ref. ASM 31-62/01).
 - B. Do the test given in Para. 3.B.

31-63-00 EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-914

Loss of the WXR 1 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3) ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______ K 13 5SQ1

121VU COM NAV/RADAR/1

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 1: NO WXR 1 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from the DMC 1 (1WT1) pins AA/12A, 12B to the first terminal block (Ref. ASM 31-62/01).
 - (a) If there is no continuity: - repair the above wiring.
 - (b) If there is continuity:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/12C, 12D to the first terminal block
 - B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-916

Loss of the WXR 1 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______ K 13 5SQ1

121VU COM NAV/RADAR/1

- B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 2 : NO WXR 1 DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from the DMC 2 (1WT2) pins AA/12A, 12B to the first terminal block (Ref. ASM 31-62/01).
 - (a) If there is no continuity: - repair the above wiring.
 - (b) If there is continuity:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/12C, 12D to the first terminal block.
 - B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-918

Loss of the WXR 1 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3) ASM 31-62/01

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION ______ K13

121VU COM NAV/RADAR/1

5SQ1

- B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC 3: NO WXR 1 DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from the DMC 3 (1WT3) pins AA/12A, 12B to the first terminal block (Ref. ASM 31-62/01).
 - (a) If there is no continuity: - repair the above wiring.

(b) If there is continuity:

- do a check and repair the wiring from the DMC 3 (1WT3) pins AA/12C, 12D to the first terminal block.
- B. Do the test given in Para. 3.B.

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EFF : ALL

TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-920

Loss of the FQI 1 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002

EIS Input Test

AMM 31-63-34-000-001 AMM 31-63-34-400-001

Removal of the DMC (1WT1,1WT2,1WT3)

Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	FUEL/FQI/CHAN/1	1QT	A 13
12 1VU	FUEL/FQI/CHANNEL/1 AND 2	8QT	L26
12 1VU	FUEL/FQI/CHAN/2	2QT	M27

R

R

B. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3: NO FQI 1 DATA:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/11A, 11B to the first terminal block (Ref. ASM 31-62/01).

R

R EFF: ALL
SROS

31-63-00

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B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-921

Loss of the FQI 2 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002

EIS Input Test

AMM 31-63-34-000-001 AMM 31-63-34-400-001

Removal of the DMC (1WT1,1WT2,1WT3)
Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	FUEL/FQI/CHAN/1	1QT	A 13
121VU	FUEL/FQI/CHANNEL/1 AND 2	8QT	L26
121VU	FUEL/FQI/CHAN/2	2QT	M27

R

R

B. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3: NO FQI 2 DATA:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/11J, 11K to the first terminal block (Ref. ASM 31-62/01).

R

R EFF: ALL
SROS

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B. Do the test given in Para. 3.B.

EFF: ALL SROS 31-63-00

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TASK 31-63-00-810-922

Loss of the LGCIU 1 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

R

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	L/G/LGCIU/SYS1/NORM	1GA	C09
12 1VU	HYDRAULIC/LGCIU/SYS1/GRND SPLY	52GA	Q34

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3 : NO LGCIU 1 DATA:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/14D, 14E to the first terminal block (Ref. ASM 31-62/01).

R

EFF: ALL 31-63-00

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B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-923

Loss of the LGCIU 2 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

R

AMM 31-60-00-740-002

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU HYDRAULIC/LGCIU/SYS2

2GA

Q35

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3: NO LGCIU 2 DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/14F, 14G to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-924

Loss of the FCDC 1 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU FLIGHT CONTROLS/FCDC1/SPLY

20CE1 B10

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3 : NO FCDC 1 DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/10E, 10F to the first terminal block (Ref. ASM 31-62/01).

R

SROS

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-925

Loss of the FCDC 2 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU FLIGHT CONTROLS/FCDC2/SPLY

20CE2 Q20

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3 : NO FCDC 2 DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/15F, 15G to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-926

Loss of the input bus from the SDAC 1 to the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-54/04

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU SDAC/1/SPLY

3WV F04

R

B. Test Do the EIS input test (EIS 1) (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

A. If the test gives the maintenance message:

DMC 1: NO SDAC1 DATA

- replace the DMC-1 (1WT1), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/10C, 10D to the first terminal block , (Ref. ASM 31-54/04).

R

EFF: ALL 31-63-00

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B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-927

Loss of the input bus from the SDAC 1 to the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-54/04

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU SDAC/1/SPLY

3WV

F04

R

B. Test Do the EIS input test (EIS 2) (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

A. If the test gives the maintenance message:

DMC2 : NO SDAC1 DATA

- replace the DMC-2 (1WT2), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/10C, 10D to the first terminal block , (Ref. ASM 31-54/04).

R

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-928

Loss of the input bus from the SDAC 1 to the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring from the SDAC1 (1WV1) to the DMC3 (1WT3)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-54/04

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU SDAC/1/SPLY

3WV F04

R

B. Test Do the EIS input test (EIS 3) (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

A. If the test gives the maintenance message:

DMC3: NO SDAC1 DATA

- replace the DMC-3 (1WT3), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the SDAC1 (1WV1) to the DMC3 (1WT3), (Ref. ASM 31-54/04).

R

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-929

Loss of the input bus from the SDAC 2 to the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-54/04

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU EIS/SDAC/2/SPLY

2WV

Q06

R

R

B. Test Do the EIS input test (EIS 1) (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

A. If the test gives the maintenance message:

DMC1: NO SDAC2 DATA

- replace the DMC-1 (1WT1), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/10G, 10H to the first terminal block , (Ref. ASM 31-54/04).

R

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-930

Loss of the input bus from the SDAC 2 to the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-54/04

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU EIS/SDAC/2/SPLY

2WV **Q**06

R

B. Test Do the EIS input test (EIS 2) (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message:
 - DMC 2 : NO SDAC2 DATA
 - replace the DMC-2 (1WT2), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/10G, 10H to the first terminal block , (Ref. ASM 31-54/04).

R

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-931

Loss of the input bus from the SDAC 2 to the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring from the SDAC2 (1WV2) to the DMC3 (1WT3)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-54/04

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU EIS/SDAC/2/SPLY

2WV **Q**06

R

R

B. Test Do the EIS input test (EIS 3) (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

A. If the test gives the maintenance message:

DMC3: NO SDAC2 DATA

- replace the DMC-3 (1WT3), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from the SDAC2 (1WV2) to the DMC3 (1WT3), (Ref. ASM 31-54/04).

R

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

B. Do the test given in Para. 3.B.

EFF: ALL SROS 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-932

Loss of the FQI 1 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3) ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	FUEL/FQI/CHAN/1	1QT	A 13
12 1VU	FUEL/FQI/CHANNEL/1 AND 2	8QT	L26
12 1VU	FUEL/FQI/CHAN/2	2QT	M27

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO FQI 1 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/11A, 11B to the first terminal block (Ref. ASM 31-62/01).

R

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-933

Loss of the FQI 2 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	FUEL/FQI/CHAN/1	1QT	A 13
121VU	FUEL/FQI/CHANNEL/1 AND 2	8QT	L26
121VU	FUEL/FQI/CHAN/2	2QT	M27

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO FQI 2 DATA:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/11J, 11K to the first terminal block (Ref. ASM 31-62/01).

R

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-934

Loss of the LGCIU 1 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	L/G/LGCIU/SYS1/NORM	1GA	C09
12 1VU	HYDRAULIC/LGCIU/SYS1/GRND SPLY	52GA	Q34

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO LGCIU 1 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/14D, 14E to the first terminal block (Ref. ASM 31-62/01).

R

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-935

Loss of the LGCIU 2 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU HYDRAULIC/LGCIU/SYS2

Q35

2GA

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO LGCIU 2 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/14F, 14G to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-936

Loss of the FCDC 1 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

R

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU FLIGHT CONTROLS/FCDC1/SPLY

20CE1 B10

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1 : NO FCDC 1 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/10E, 10F to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-937

Loss of the FCDC 2 Output Bus by the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU FLIGHT CONTROLS/FCDC2/SPLY

20CE2 **Q**20

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO FCDC 2 DATA: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/15F, 15G to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-938

Loss of the FQI 1 Output Bus by the DMC 2

- 1. Possible Causes
 - FQIC (3QT)
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		RENCE DESIGNATION		
	AMM	28-42-34-000-001	Removal of the Fuel Quantity-Indicating Computer (FQIC) (3QT)		
	AMM	28-42-34-400-001	<pre>Installation of the Fuel Quantity-Indicating Computer (FQIC) (3QT)</pre>		
R		31-60-00-740-007 31-63-34-000-001 31-63-34-400-001 31-62/01	GROUND SCANNING Test of the DMC Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	FUEL/FQI/CHAN/1	1QT	A 13
121VU	FUEL/FQI/CHANNEL/1 AND 2	8 Q T	L26
121VU	FUEL/FQI/CHAN/2	2 Q T	M27

R

B. Test Do the Ground Scanning Test of the DMC (Ref. AMM TASK 31-60-00-740-007).

R

EFF: ALL SROS

31-63-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO FQI 1 DATA:
 replace FQIC (3QT) (Ref. AMM TASK 28-42-34-000-001) and (Ref. AMM TASK 28-42-34-400-001).
 - (1) If the fault continues:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/11A,
 11B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-939

Loss of the FQI 2 Output Bus by the DMC 2

- 1. Possible Causes
 - FQIC (3QT)
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION		
	AMM	28-42-34-000-001	Removal of the Fuel Quantity-Indicating Computer (FQIC) (3QT)		
	AMM	28-42-34-400-001	<pre>Installation of the Fuel Quantity-Indicating Computer (FQIC) (3QT)</pre>		
R	AMM 31-60-00-740-002		EIS Input Test		
	AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)		
	AMM ASM	31-63-34-400-001 31-62/01	Installation of the DMC (1WT1,1WT2,1WT3)		

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION		IDENT.	LOCATION
49VU	FUEL/FQI/CHAN/1		1QT	A13
121VU	FUEL/FQI/CHANNEL/1	AND 2	8QT	L26
121VU	FUEL/FQI/CHAN/2		2Q T	M27

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

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R

EFF: ALL SROS

31-63-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO FQI 2 DATA:
 replace FQIC (3QT) (Ref. AMM TASK 28-42-34-000-001) and (Ref. AMM TASK 28-42-34-400-001).
 - (1) If the fault continues:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/11J,
 11K to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-940

Loss of the LGCIU 1 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	L/G/LGCIU/SYS1/NORM	1GA	C09
12 1VU	HYDRAULIC/LGCIU/SYS1/GRND SPLY	52GA	Q34

R

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO LGCIU 1 DATA:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/14D, 14E to the first terminal block (Ref. ASM 31-62/01).

R

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-941

Loss of the LGCIU 2 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU HYDRAULIC/LGCIU/SYS2

2GA

Q35

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO LGCIU 2 DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/14F, 14G to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-942

Loss of the FCDC 1 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

R

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU FLIGHT CONTROLS/FCDC1/SPLY

20CE1 B10

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO FCDC 1 DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/10E, 10F to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-943

Loss of the FCDC 2 Output Bus by the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU FLIGHT CONTROLS/FCDC2/SPLY

20CE2 **Q**20

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO FCDC 2 DATA: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/15F, 15G to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-944

Loss of the FAC 1 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 22-65/01 ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
	AUTO FLT/FAC1/28VDC	5CC1	B04
	AUTO FLT/FAC1/26VAC	14CC1	B03

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3: NO FAC 1 DATA:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/3C, 3D to the first terminal block (Ref. ASM 31-62/01).

EFF: ALL

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TROUBLE SHOOTING MANUAL

- (2) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pin AB/1K to the first terminal block (Ref. ASM 22-65/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-945

Loss of the FAC 2 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 22-65/01

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION
121VU	AUTO FLT/FAC2/28VDC	5CC2	M19
12 1VU	AUTO FLT/FAC2/26VAC	14CC2	M18

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3: NO FAC 2 DATA:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/3G, 3H to the first terminal block (Ref. ASM 31-62/01).

EFF: ALL

31-63-00

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TROUBLE SHOOTING MANUAL

- (2) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pin AB/2K to the first terminal block (Ref. ASM 22-65/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-946

Loss of the FCU 1 Channel A Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

9CA1 B05 49VU AUTO FLT/FCU/1

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R

R

- A. If the test gives the maintenance message DMC 3 : NO FCU 1A DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/1D, 1E to the first terminal block (Ref. ASM 31-62/01).

B. Do the test given in Para. 3.B.

31-63-00 EFF: Page A290 ALL Aug 01/05

TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-947

Loss of the FCU 1 Channel B Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU AUTO FLT/FCU/1

9CA1 B05

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3 : NO FCU 1B DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/2D, 2E to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-948

Loss of the FGC 1 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU AUTO FLT/FMGC/1

10CA1 B02

R

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3: NO FGC 1 DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/3A, 3B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-949

Loss of the FGC 2 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU AUTO FLT/FMGC/2

10CA2

M17

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3: NO FGC 2 DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/3J, 3K to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-950

Loss of the FCU 2 Channel A Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU AUTO FLT/FCU/2

9CA2 M21

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3 : NO FCU 2A DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/1F, 1G to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-951

Loss of the FCU 2 Channel B Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 R

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ IDENT. LOCATION PANEL DESIGNATION

121VU AUTO FLT/FCU/2

9CA2 M21

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3 : NO FCU 2B DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/2F, 2G to the first terminal block (Ref. ASM 31-62/01).

R

SROS

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-952

Loss of the FMC 1 Output Bus by the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

R

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-62/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

49VU AUTO FLT/FMGC/1

10CA1

B02

R

B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 3: NO FMC 1 DATA: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/4A, 4B to the first terminal block (Ref. ASM 31-62/01).

R

B. Do the test given in Para. 3.B.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-953

Loss of the ECAM CTL PNL input bus of the DMC 1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
74 (0.00 7(0.000	

AMM 31-60-00-740-002 R

EIS Input Test

31-63-34-000-001 AMM 31-63-34-400-001 AMM

Removal of the DMC (1WT1,1WT2,1WT3)

Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-61/03

3. Fault Confirmation

R

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 1: NO ECP DATA: - replace the DMC-1 (1WT1), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 1 (1WT1) pins AA/11G, 11H to the first terminal block , (Ref. ASM 31-61/03).

R

SROS

B. Do the test given in Para. 3.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-954

Loss of the ECAM CTL PNL input bus of the DMC 2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	31-60-00-740-002	EIS Input Test	
R	AMM	31-63-34-000-001 31-63-34-400-001 31-61/03	Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)	

3. Fault Confirmation

R

R

A. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC 2: NO ECP DATA:
 replace the DMC-2 (1WT2), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from the DMC 2 (1WT2) pins AA/11G, 11H to the first terminal block, (Ref. ASM 31-61/03).

R

B. Do the test given in Para. 3.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-955

Loss of the ECAM CTL PNL input bus of the DMC 3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

R	REFE	RENCE	DESIGNATION	
_	AMM	31-60-00-740-002	EIS Input Test	
R	AMM	31-63-34-000-001 31-63-34-400-001 31-61/03	Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)	

3. Fault Confirmation

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

A. If the test gives the maintenance message DMC 3: NO ECP DATA: - replace the DMC-3 (1WT3), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).

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- (1) If the fault continues:
 - do a check and repair the wiring from the DMC 3 (1WT3) pins AA/11G, 11H to the first terminal block , (Ref. ASM 31-61/03).

R

B. Do the test given in Para. 3.

EFF: ALL **SROS**

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-956

Loss of the message bus RS422 between the FWC 1 and the DMC 1

- 1. Possible Causes
 - FWC-1 (1WW1)
 - DMC-1 (1WT1)
 - wiring from the FWC 1 (1WW1) to the DMC 1 (1WT1)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
	AMM	31-53-34-400-001	Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)	
R	AMM	31-60-00-740-002	EIS Input Test	
	AMM AMM ASM	31-63-34-000-001 31-63-34-400-001 31-52/05	Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU FWS/FWC1/SPLY

3WW F01

R

B. Test

Do the EIS input test (EIS 1) (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

A. If the test gives the maintenance message:

DMC 1 : NO FWC 1 MSG

replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).

EFF: ALL

31-63-00

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- (1) If the fault continues:
 - replace the DMC-1 (1WT1), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the FWC 1 (1WW1) to the DMC 1 (1WT1) pins AB/14F, 14G to pins AA/9C, 9D (Ref. ASM 31-52/05).

R

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-957

Loss of the message bus RS422 between the FWC 1 and the DMC 2

- 1. Possible Causes
 - FWC-1 (1WW1)
 - DMC-2 (1WT2)
 - wiring from the FWC 1 (1WW1) to the DMC 2 (1WT2)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
	AMM	31-53-34-400-001	Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)	
R	AMM	31-60-00-740-002	EIS Input Test	
	AMM AMM ASM	31-63-34-000-001 31-63-34-400-001 31-52/05	Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU FWS/FWC1/SPLY

3WW F01

R

B. Test

Do the EIS input test (EIS 2) (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

A. If the test gives the maintenance message:

DMC 2 : NO FWC 1 MSG

replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).

EFF: ALL

31-63-00

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TROUBLE SHOOTING MANUAL

- (1) If the fault continues:
 - replace the DMC-2 (1WT2), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the FWC 1 (1WW1) to the DMC 2 (1WT2) pins AE/14B, 14C to pins AA/9C, 9D (Ref. ASM 31-52/05).

R

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-958

Loss of the message bus RS422 between the FWC 1 and the DMC 3

- 1. Possible Causes
 - FWC-1 (1WW1)
 - DMC-3 (1WT3)
 - wiring from the FWC 1 (1WW1) to the DMC 3 (1WT3)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
	AMM	31-53-34-400-001	Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)	
R	AMM	31-60-00-740-002	EIS Input Test	
	AMM AMM ASM	31-63-34-000-001 31-63-34-400-001 31-52/05	Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

49VU FWS/FWC1/SPLY

3WW F01

R

B. Test

Do the EIS input test (EIS 3) (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

A. If the test gives the maintenance message:

DMC 3 : NO FWC 1 MSG

- replace the FWC-1 (1WW1), (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).

EFF: ALL

31-63-00

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TROUBLE SHOOTING MANUAL

- (1) If the fault continues:
 - replace the DMC-3 (1WT3), (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the FWC 1 (1WW1) to the DMC 3 (1WT3) pins AB/14J, 14K to pins AA/9C, 9D (Ref. ASM 31-52/05).

R

B. Do the test given in Para. 3.B.

EFF: ALL

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-959

Loss of Message Bus RS422 between the FWC 2 and the DMC 1

- 1. Possible Causes
 - FWC-2 (1WW2)
 - DMC-1 (1WT1)
 - wiring from the FWC2(1WW2) to the DMC1(1WT1)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
			Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
	AMM	31-53-34-400-001	Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)	
R	AMM	31-60-00-740-002	EIS Input Test	
•	AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
	AMM ASM	31-63-34-400-001 31-52/05	Installation of the DMC (1WT1,1WT2,1WT3)	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT. LOCATION

121VU EIS/FWC2/SPLY

2WW Q07

R

B. Test

Do the EIS input test (system 1) (Ref. AMM TASK 31-60-00-740-002).

R

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC1: NO FWC2 MSG:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the FWC2(1WW2) to the DMC1(1WT1), pins AB/14F, 14G to pins AA/9G, 9H (Ref. ASM 31-52/05).

R

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-960

Loss of Message Bus RS422 Between the FWC 2 and the DMC 2

- 1. Possible Causes
 - FWC-2 (1WW2)
 - DMC-2 (1WT2)
 - wiring from the FWC 2(1WW2) to the DMC 2(1WT2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
AMM	31-53-34-400-001	Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)	
AMM	31-60-00-740-002	EIS Input Test	
AMM AMM ASM	31-63-34-000-001 31-63-34-400-001 31-52/05	Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION

121VU EIS/FWC2/SPLY

2WW Q07

R

B. Test

Do the EIS input test (system 1) (Ref. AMM TASK 31-60-00-740-002).

R

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC2: NO FWC2 MSG:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the FWC 2(1WW2) to the DMC 2(1WT2), pins AE/14B, 14C to pins AA/9G, 9H (Ref. ASM 31-52/05).

R

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-961

Loss of Message Bus RS422 between the FWC 2 and the DMC 3

- 1. Possible Causes
 - FWC-2 (1WW2)
 - DMC-3 (1WT3)
 - wiring from the FWC 2(1WW2) to the DMC 3(1WT3)
- 2. Job Set-up Information
 - A. Referenced Information

	AMM 31-53-34-000-001		DESIGNATION	
			Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)	
	AMM	31-53-34-400-001	Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)	
R	AMM	31-60-00-740-002	EIS Input Test	
	AMM AMM ASM	31-63-34-000-001 31-63-34-400-001 31-52/05	Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)	

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL	DESIGNATION	IDENT.	LOCATION

121VU EIS/FWC2/SPLY

2WW Q07

R

B. Test
Do the EIS input test (system 1) (Ref. AMM TASK 31-60-00-740-002).

R

EFF: ALL

31-63-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC3: NO FWC2 MSG:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (1) If the fault continues:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the FWC 2(1WW2) to the DMC 3(1WT3), pins AB/14J, 14K to pins AA/9G, 9H (Ref. ASM 31-52/05).

R

SROS

B. Do the test given in Para. 3.B.

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-962

Loss of the ARINC 429 Link between the FWC2 and the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - FWC-2 (1WW2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-53-34-000-001	Removal of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-53-34-400-001	Installation of the Flight Warning Computer (FWC) (1WW1,1WW2)
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-52/05	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

IDENT. LOCATION PANEL DESIGNATION ______

121VU EIS/FWC2/SPLY

Q07 2WW

R

B. Test

Do the EIS input test (system 2) (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

A. If the test gives the maintenance message:

DMC2: NO FWC2 DATA

- replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).

EFF: ALL 31-63-00

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- (1) If the fault continues:
 - replace the FWC-2 (1WW2) (Ref. AMM TASK 31-53-34-000-001) and (Ref. AMM TASK 31-53-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from DMC2 (1WT2) pins AA/10J, 10K to the FWC2 (1WW2) (Ref. ASM 31-52/05).

R

B. Do the test given in Para. 3.B.

EFF: ALL

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-963

Loss of the ARINC 429 FWC2 Input of the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

R

AMM 31-60-00-740-002

EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-52/05

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU EIS/FWC2/SPLY

2WW

Q07

R

B. Test Do the EIS input test (system 1) (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

A. If the test gives the maintenance message:

DMC1: NO FWC2 DATA

- replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from DMC1 (1WT1) pins AA/10J, 10K to the first terminal block (Ref. ASM 31-52/05).

R

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

B. Do the test given in Para. 3.B.

EFF: ALL SROS 31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-966

Loss of the ARINC 429 Link from the FWC2 to the DMC3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-52/05

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

______ PANEL DESIGNATION IDENT. LOCATION

121VU EIS/FWC2/SPLY

2WW

Q07

R

R

B. Test Do the EIS input test (system 3) (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

- A. If the test gives the maintenance message:
 - DMC3: NO FWC2 DATA
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from DMC3 (1WT3) pins AA/10J, 10K to the first terminal block (Ref. ASM 31-52/05).

R

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

B. Do the test given in Para. 3.B.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

R **ON A/C 201-225, 227-227, 229-245, 276-299, 426-428, 476-478,

TASK 31-63-00-810-967

Loss of the ILS 1 Test Display

- 1. Possible Causes
 - DMC-1 (1WT1)
 - RECEIVER-ILS, 1 (2RT1)
 - wiring of the ILS 1 INPUT signal
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION	
AMM AMM		Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)	
	34-36-00-740-002	BITE Test of the ILS	
	34-36-31-000-001	Removal of the ILS Receiver (2RT1,2RT2)	
AMM	34-36-31-400-001	Installation of the ILS Receiver (2RT1,2RT2)	
ASM	34-36/01		

- 3. Fault Confirmation
 - A. Test
 Do the BITE test of the ILS (system 1) (Ref. AMM TASK 34-36-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC1(1WT1)/ILS1(2RT1):
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - replace the RECEIVER-ILS, 1 (2RT1) (Ref. AMM TASK 34-36-31-000-001) and (Ref. AMM TASK 34-36-31-400-001).
 - (2) If the fault continues:
 - remove the ILS receiver 1
 - remove the DMC 1
 - do a check and repair the wiring of the ILS 1 INPUT signal from ILS receiver 1 (2RT1) pins AB/11B, 11C to DMC 1 (1WT1) pins AA/6A, 6B (Ref. ASM 34-36/01)
 - install the ILS receiver 1
 - install the DMC 1.

EFF: 201-225, 227-227, 229-245, 276-299, 426-428, 476-478,

31-63-00

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TROUBLE SHOOTING MANUAL

B. Do the test given in Para. 3.

EFF: 201-225, 227-227, 229-245, 276-299, 426-428, 476-478,

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-968

Loss of the ILS 2 Test Display

- 1. Possible Causes
 - DMC-2 (1WT2)
 - RECEIVER-ILS, 2 (2RT2)
 - wiring of the ILS 2 INPUT signal
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	: 	DESIGNATION
AMM 31-6 AMM 34-3 AMM 34-3	53-34-000-001 53-34-400-001 56-00-740-002 56-31-000-001 56-31-400-001	Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3) BITE Test of the ILS Removal of the ILS Receiver (2RT1,2RT2) Installation of the ILS Receiver (2RT1,2RT2)

- 3. Fault Confirmation
 - A. Test
 Do the BITE test of the ILS (system 2) (Ref. AMM TASK 34-36-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC2(1WT2)/ILS2(2RT2):
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - replace the RECEIVER-ILS, 2 (2RT2) (Ref. AMM TASK 34-36-31-000-001) and (Ref. AMM TASK 34-36-31-400-001).
 - (2) If the fault continues:
 - remove the ILS receiver 2
 - remove the DMC 2
 - do a check and repair the wiring of the ILS 2 INPUT signal from ILS receiver 2 (2RT2) pins AB/11B, 11C to DMC 2 (1WT2) pins AA/6J, 6K (Ref. ASM 34-36/01)
 - install the ILS receiver 2
 - install the DMC 2.
 - B. Do the test given in Para. 3.

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R

EFF: 201-225, 227-227, 229-245, 276-299,

426-428, 476-478,

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 31-63-00-810-969

No EFIS Data with EIS DMC Selector Switch at CAPT/3 and/or F/0/3

1. Possible Causes

- SEL SW EIS DMC (18WT)
- wiring of the EIS DMC Selector Switch (18WT)
- wiring from the DMC3 (1WT3) pin AC/7 to the ground terminal
- RELAY-BUS1 TO ESS BUS SWTG, DMC3 (26WT)
- C/B-EIS/DMC3/STBY/SPLY (14WT1)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE

DESIGNATION

AMM 31-63-34-000-001 Removal of the DMC (1WT1, 1WT2, 1WT3) AMM 31-63-34-400-001 Installation of the DMC (1WT1, 1WT2, 1WT3) ASM 31-61/02 ASM 31-68/02

3. Fault Confirmation

A. Not applicable, the fault is evident.

4. Fault Isolation

- A. If there is no EFIS Display with EIS DMC Selector Switch (18WT) at
 - remove the DMC3 (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - do a check for a ground signal at pin AB/4C of DMC3.
 - (1) If there is no ground signal:
 - replace the SEL SW EIS DMC (18WT).
 - (a) If there is no ground signal:
 - do a check and repair the wiring of the EIS DMC Selector Switch (18WT):

pin 2 to the DMC3 pin AB/4C (Ref. ASM 31-68/02).

- (2) If there is a ground signal:
 - refer to the trouble shooting procedure related to the DMC3 maintenance message.

EFF: ALL 31-63-00

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- B. If there is no EFIS Display with EIS DMC Selector Switch (18WT) at F/0/3:
 - remove the DMC3.
 - (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - do a check for a ground signal at pin AB/4H of DMC3.
 - (1) If there is no ground signal:
 - replace the SEL SW EIS DMC (18WT).
 - (a) If there is no ground signal:
 - do a check and repair the wiring of the EIS DMC Selector Switch (18WT):

pin 4 to the DMC3 pin AB/4H (Ref. ASM 31-68/02).

- (2) If there is a ground signal:
 - refer to the trouble shooting procedure related to the DMC3 maintenance message.
- C. If there is no EFIS Display with EIS DMC Selector Switch (18WT) at CAPT/3 and at F/0/3:
 - replace the SEL SW EIS DMC (18WT)
 - (1) If the fault continues:
 - do a check and repair the wiring of the EIS DMC Selector Switch (18WT):

pin 1 to ground point (Ref. ASM 31-68/02).

- (2) If the fault continues:
 - do a check for 115VAC at pin AC/2 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - (a) If there is 115VAC:
 - refer to the trouble shooting procedure related to the DMC3 maintenance message.
 - (b) If there is no 115VAC:
 - do a check for a ground signal at pin AC/7 of the DMC3 (1WT3).
 - 1 If there is no ground signal:
 - repair the wiring from the DMC3 (1WT3) pin AC/7 to the ground terminal.
 - 2 If there is a ground signal:
 - replace the RELAY-BUS1 TO ESS BUS SWTG, DMC3 (26WT).
 - a If the fault continues:
 - replace the C/B-EIS/DMC3/STBY/SPLY (14WT1)
 - . If the fault continues:
 - * do a check of the wiring from the DMC3 BUS1 to the ESS BUS SWTG relay (26WT):
 - pin A2 to DMC3 (1WT3) pin AC/2
 - pin A1 to the EIS/DMC3/STBY/SPLY circuit breaker
 (14WT1)

EFF: ALL

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- pin X2 to the BUS 1XP CTL relay (20XN1)
- * repair the wiring which has no continuity.

EFF: ALL
SROS

31-63-00

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TROUBLE SHOOTING MANUAL

TASK 31-63-00-810-970

Loss of the Indication on one CRT (Diagonal)

- 1. Possible Causes
 - RELAY-TAKEOVER & PRIORITY 1 (47CE1)
 - RELAY-TAKEOVER & PRIORITY 2 (47CE2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

PC 279208

- 3. Fault Confirmation
 - A. Not applicable, the fault is intermittent.
- 4. Fault Isolation
 - A. If diagonal is shown on one CRT during action on takeover and priority pushbutton switch:
 - replace RELAY-TAKEOVER & PRIORITY 1 (47CE1) or RELAY-TAKEOVER & PRIORITY 2 (47CE2) (Ref. PC 279208).

EFF: ALL 31-63-00

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TROUBLE SHOOTING MANUAL

R

TASK 31-63-00-810-971

EIS - Loss of the Red Gun

1. Possible Causes

- DU-ECAM, UPPER (4WT1)
- DU-ECAM, LOWER (4WT2)
- ND-CAPT (3WT1)
- ND-F/O (3WT2)
- PFD-CAPT (2WT1)
- PFD-F/0 (2WT2)

2. Job Set-up Information

A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	24-41-00-861-002	Energize the Aircraft Electrical Circuits from the External Power
AMM	24-41-00-862-002	De-energize the Aircraft Electrical Circuits Supplied from the External Power
AMM	31-60-00-860-001	EIS Start Procedure
AMM	31-60-00-860-002	EIS Stop Procedure
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>

3. Fault Confirmation

- A. Do the operational test that follows:
 - (1) Energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-861-002)
 - (2) Do the EIS start procedure (Ref. AMM TASK 31-60-00-860-001).
 - (3) Do a check of the colors displayed on the EIS Display Units.

4. Fault Isolation

A. If the colors displayed on the upper ECAM display unit are not correct:
- replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and
(Ref. AMM TASK 31-63-22-400-001).

EFF: ALL 31-63-00

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- B. If the colors displayed on the lower ECAM display unit are not correct: - replace the DU-ECAM, LOWER (4WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- C. If the colors displayed on the CAPT ND are not correct: - replace the ND-CAPT (3WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- D. If the colors displayed on the F/O ND are not correct: - replace the ND-F/O (3WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- E. If the colors displayed on the CAPT PFD are not correct: - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- F. If the colors displayed on the F/O PFD are not correct: - replace the PFD-F/O (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).

5. Close-up

- A. Put the aircraft back to its initial configuration.
 - (1) Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).
 - (2) De-energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-862-002).

R

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EFF:

ALL

TROUBLE SHOOTING MANUAL

DISPLAY MANAGEMENT COMPUTER (DMC) - FAULT ISOLATION PROCEDURES

TASK 31-63-81-810-801

R

Failure of the DMC2 Pin Programming

- 1. Possible Causes
 - DMC-2 (1WT2)
 - ground signals at DMC2 (1WT2) connector AB
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-60-00-740-002 AMM 31-63-34-000-001 AMM 31-63-34-400-001 AWM 31-61-29	EIS Input Test Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC2: PROGRAM PIN

or

DMC2: POSITION PIN

- do a check for ground signals at DMC2 (1WT2) connector AB (Ref. AWM 31-61-29).
- (1) If the wiring is incorrect:
 - repair the wiring.
- (2) If the wiring is correct:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-802

Loss of F/O PFD or F/O ND or Lower ECAM DU Image

1. Possible Causes

- PFD-F/0 (2WT2)
- DMC-2 (1WT2)
- ND-F/O (3WT2)
- DU-ECAM, LOWER (4WT2)
- wiring from F/O PFD (2WT2) to DMC2 (1WT2)
- wiring from F/O ND (3WT2) to DMC2 (1WT2)
- wiring from lower ECAM DU (4WT2) to DMC2 (1WT2)

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)
ASM	31-61/04	

3. Fault Confirmation

A. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

- A. If the test gives the maintenance message DMC2: RECONF WIRING and there is no F/O PFD image:
 - replace the PFD-F/0 (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from F/O PFD (2WT2) to DMC2 (1WT2) from pins AA/35, 36 to pins AB/9B, 9C .
 - (a) If there is no continuity:
 repair the wiring.

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- (b) If there is continuity:
 - do a check and repair the wiring from F/O PFD (2WT2) to DMC2 (1WT2) from pins AA/38, 39 to pins AB/9D, 9E (Ref. ASM 31-61/04).
 - 1 If the fault continues:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- B. If the test gives the maintenance message DMC2: RECONF WIRING and there is no F/O ND image:
 - replace the ND-F/O (3WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from F/O ND (3WT2) to DMC2 (1WT2) from pins AA/35, 36 to pins AB/10B, 10C.
 - (a) If there is no continuity:
 - repair the wiring:
 - (b) If there is continuity:
 - do a check and repair the wiring from F/O ND (3WT2) to DMC2 (1WT2) from pins AA/38, 39 to pins AB/10D, 10E (Ref. ASM 31-61/04).
 - 1 If the fault continues:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- C. If the test gives the maintenance message DMC1 : RECONF WIRING and there is no lower ECAM DU image:
 - replace the DU-ECAM, LOWER (4WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from lower ECAM DU (4WT2) to DMC2 (1WT2) from pins AA/35, 36 to pins AB/11B, 11C.
 - (a) If there is no continuity:
 - repair the wiring.
 - (b) If there is continuity:
 - do a check and repair the wiring from lower ECAM DU (4WT2) to DMC2 (1WT2) from pins AA/38, 39 to pins AB/10D, 10E (Ref. ASM 31-61/04).
 - 1 If the fault continues:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- D. Do the test given in Para. 3.

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TASK 31-63-81-810-803

Failure of the Lower ECAM DU Detected by the DMC2

- 1. Possible Causes
 - DU-ECAM, LOWER (4WT2)
 - DMC-2 (1WT2)
 - wiring from the lower ECAM DU (4WT2) to the DMC2 (1WT2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit	
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	Installation of the Display Unit	
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
ASM	31-61/04		

- 3. Fault Confirmation
 - A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC2 DU ECAM2 LINK:
 - replace the DU-ECAM, LOWER (4WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from the lower ECAM DU (4WT2) to the DMC2 (1WT2):
 - pins AA/35, 36 to pins AB/11B, 11C
 - pins AA/38, 39 to pins AB/11D, 11E (Ref. ASM 31-61/04).
 - (a) If there is no continuity:
 - repair the wiring.
 - (b) If there is continuity:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - B. Do the test given in Para. 3.

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TASK 31-63-81-810-804

Loss of the ENG1 N1 Indication on the Upper ECAM DU Detected by the DMC3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC3: ENG1 N1 DSPLY ERR:

 on the ECAM control panel, set the UPPER DISPLAY potentiometer to OFF and do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC3: ENG1 N1 DSPLY ERR: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the DMC3 (1WT3) to the DMC1
 (1WT1):
 - . pins AB/11B, 11C to pins AB/11J, 11H
 - . pins AB/11D, 11E to pins AB/11F, 11G (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

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- 2 If there is continuity:
 - do a check of the wiring from DMC1 (1WT1) pins AB/11B, 11C to the first terminal block.
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins
 AB/11D, 11E to the first terminal block.
- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/35,
 36 to the first terminal block.
 - 1 If there is no continuity: - repair the wiring.

 - If there is continuity:
 do a check and repair the wiring from upper ECAM DU (4WT1)
 pins AA/38, 39 to the first terminal block (Ref. ASM 31-
 - 61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-805

Loss of the ENG2 N1 Indication on the Upper ECAM DU Detected by the DMC

- 1. Possible Causes
 - DMC-3 (1WT3)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
		·	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC3: ENG2 N1 DSPLY ERR:

 on the ECAM control panel, set the UPPER DISPLAY potentiometer to OFF and do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC3: ENG2 N1 DSPLY ERR: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the DMC3 (1WT3) to the DMC1
 (1WT1):
 - . pins AB/11B, 11C to pins AB/11J, 11H
 - . pins AB/11D, 11E to pins AB/11F, 11G (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

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- 2 If there is continuity:
 - do a check of the wiring from DMC1 (1WT1) pins AB/11B, 11C to the first terminal block.
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins
 AB/11D, 11E to the first terminal block.
- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/35,
 36 to the first terminal block.
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-806

Loss of the ENG1 N2 Indication on the Upper ECAM DU Detected by the DMC3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM 31-60	1-00-740-002	EIS Input Test	
AMM 31-63	5-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM 31-63	5-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM 31-63	3-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM 31-63 ASM 31-61	-34-400-001 /04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC3: ENG1 N2 DSPLY ERR:

 on the ECAM control panel, set the UPPER DISPLAY potentiometer to OFF and do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC3: ENG1 N2 DSPLY ERR: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the DMC3 (1WT3) to the DMC1
 (1WT1):
 - . pins AB/11B, 11C to pins AB/11J, 11H
 - . pins AB/11D, 11E to pins AB/11F, 11G (Ref. ASM 31-61/04).
 - $\underline{1}$ If there is no continuity:

_		. • .		
-	repair	the	wir	`ing.

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- 2 If there is continuity:
 - do a check of the wiring from DMC1 (1WT1) pins AB/11B, 11C to the first terminal block.
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins
 AB/11D, 11E to the first terminal block.
- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/35,
 36 to the first terminal block.
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-807

Loss of the ENG2 N2 Indication on the Upper ECAM DU Detected by the DMC3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
		·	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC3: ENG2 N2 DSPLY ERR:

 on the ECAM control panel, set the UPPER DISPLAY potentiometer to OFF and do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC3: ENG2 N2 DSPLY ERR: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the DMC3 (1WT3) to the DMC1
 (1WT1):
 - . pins AB/11B, 11C to pins AB/11J, 11H
 - . pins AB/11D, 11E to pins AB/11F, 11G (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

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- 2 If there is continuity:
 - do a check of the wiring from DMC1 (1WT1) pins AB/11B, 11C to the first terminal block.
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins
 AB/11D, 11E to the first terminal block.
- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/35,
 36 to the first terminal block.
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-808

Failure of the DMC3 Pin Programming

- 1. Possible Causes
 - DMC-3 (1WT3)
 - ground signals at DMC3 (1WT3) connector AB
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-740-002 EIS Input Test AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

R AWM 31-61-30

R

- 3. Fault Confirmation
 - A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC3 : PROGRAM PIN or DMC3 : POSITION PIN:
 - do a check for ground signals at DMC3 (1WT3) connector AB (Ref. AWM 31-61-30).
 - (1) If the wiring is incorrect: - repair the wiring.
 - (2) If the wiring is correct: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - B. Do the test given in Para. 3.

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TASK 31-63-81-810-809

Failure of One of the 6 DUs Detected by the DMC3

1. Possible Causes

- PFD-CAPT (2WT1)
- DMC-3 (1WT3)
- ND-CAPT (3WT1)
- DU-ECAM, UPPER (4WT1)
- PFD-F/0 (2WT2)
- ND-F/O (3WT2)
- DU-ECAM, LOWER (4WT2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit	
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	Installation of the Display Unit	
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
ASM	31-61/04	, ,	

3. Fault Confirmation

A. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

- A. With the EIS DMC selector switch (18WT) on the SWITCHING panel (8VU) at CAPT/3.
 - (1) If the test gives the maintenance message DMC3: RECONF WIRING and there is no CAPT PFD image:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the CAPT PFD (2WT1) to the DMC1 (1WT1):
 - . pins AA/21, 22 to pins AB/10B, 10C
 - . pins AA/23, 24 to pins AB/10D, 10E (Ref. ASM 31-61/04).

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- 1 If there is no continuity:
 - repair the wiring.
- 2 If there is continuity:
 - do a check and repair the wiring from the DMC1 (1WT1) to the DMC3 (1WT3):
 - . pins AB/10F, 10G to pins AB/9D, 9E
 - . pins AB/10H, 10J to pins AB/9B, 9C (Ref. ASM 31-61/04).
 - a If the fault continues:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (2) If the test gives the maintenance message DMC3: RECONF WIRING and there is no CAPT ND image:
 - replace the ND-CAPT (3WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the CAPT ND (3WT1) to the DMC1 (1WT1):
 - . pins AA/21, 22 to pins AB/9B, 9C
 - . pins AA/23,24 to pins AB/9D, 9E (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from the DMC1 (1WT1) to the DMC3 (1WT3):
 - pins AB/9H, 9J to pins AB/10B, 10C
 - pins AB/9F, 9G to pins AB/10D, 10E (Ref. ASM 31-61/04).
 - a If the fault continues:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (3) If the test gives the maintenance message DMC3: RECONF WIRING and there is no upper ECAM DU image:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the upper ECAM DU (4WT1) to the DMC1 (1WT1):
 - pins AA/35, 36 to pins AB/11B, 11C
 - . pins AA/38, 39 to pins AB/11D, 11E (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.

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- 2 If there is continuity:
 - do a check and repair the wiring from the DMC1 (1WT1) to the DMC3 (1WT3):
 - pins AB/11F, 11G to pins AB/11D, 11E
 - pins AB/11H, 11J to pins AB/11B, 11C (Ref. ASM 31-61/04).
 - a If the fault continues:
 - release the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- B. With the EIS DMC selector switch (18WT) on the SWITCHING panel (8VU) at F/0/3.
 - (1) If the test gives the maintenance message DMC3: RECONF WIRING and there is no F/O PFD image:
 - replace the PFD-F/0 (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the F/O PFD (2WT2) to the DMC2 (1WT2):
 - . pins AA/21, 22 to pins AB/10B, 10C
 - . pins AA/23, 24 to pins AB/10D, 10E (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from the DMC2 (1WT2) to the DMC3 (1WT3):
 - . pins AB/10F, 10G to pins AB/9D, 9E
 - . pins AB/10H, 10J to pins AB/9B, 9C (Ref. ASM 31-61/04).
 - a If the fault continues:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (2) If the test gives the maintenance message DMC3: RECONF WIRING and there is no F/O ND image:
 - replace the ND-F/O (3WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the F/O ND (3WT2) to the DMC2
 (1WT2):
 - . pins AA/21, 22 to pins AB/9B, 9C
 - . pins AA/23, 24 to pins AB/9D, 9E (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.

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EFF: ALL

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- 2 If there is continuity:
 - do a check and repair the wiring from the DMC2 (1WT2) to the DMC3 (1WT3):
 - . pins AB/9H, 9J to pins AB/10B, 10C
 - pins AB/9F, 9G to pins AB/10D, 10E (Ref. ASM 31-61/04).
 - a If the fault continues:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (3) If the test gives the maintenance message DMC3: RECONF WIRING and there is no lower ECAM DU image:
 - replace the DU-ECAM, LOWER (4WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the lower ECAM DU (4WT2) to the DMC2 (1WT2):
 - . pins AA/35, 36 to pins AB/11B, 11C
 - pins AA/38, 39 to pins AB/11D, 11E (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from the DMC2 (1WT2) to the DMC3 (1WT3):
 - . pins AB/11F, 11G to pins AB/11D, 11E
 - pins AB/11H, 11J to pins AB/11B, 11C (Ref. ASM 31-61/04).
 - a If the fault continues:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001)
 and (Ref. AMM TASK 31-63-34-400-001).
- C. Do the test given in Para. 3.

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TASK 31-63-81-810-810

Failure of the Upper ECAM DU Detected by the DMC3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the EIS DMC selector switch (18WT) on the SWITCHING panel (8VU) is at CAPT/3 and if the test gives the maintenance message DMC3-DU ECAM1 LINK:

 on the ECAM control panel, set the UPPER DISPLAY potentiometer to OFF and do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC3-DU ECAM1 LINK: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC1 (1WT1) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins
 AB/11D, 11E to the first terminal block.
 - a If the fault continues:
 - do a check and repair the wiring from the DMC1 (1WT1) to the DMC3 (1WT3):
 - . pins AB/11H, 11J to pins AB/11B, 11C
 - . pins AB/11F, 11G to pins AB/11D, 11E.
- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1)
 pins AA/38, 39 to the first terminal block.
- B. Do the test given in Para. 3.

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EFF: ALL

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TASK 31-63-81-810-811

Failure of the Lower ECAM DU Detected by the DMC2

- 1. Possible Causes
 - DU-ECAM, LOWER (4WT2)
 - DMC-3 (1WT3)
 - wiring from the lower ECAM DU (4WT2) to the DMC2 (1WT2)
 - wiring from the DMC2 (1WT2) to the DMC3 (1WT3)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit	
,,,,,,	3. 33 22 333 33.	(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
ASM	31-61/04		

- 3. Fault Confirmation
 - A. Test

Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC3 DU ECAM2 LINK:
 - replace the DU-ECAM, LOWER (4WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from the lower ECAM DU (4WT2) to the DMC2
 (1WT2):
 - pins AA/35, 36 to pins AB/11B, 11C
 - pins AA/38, 39 to pins AB/11D, 11E (Ref. ASM 31-61/04).
 - (a) If there is no continuity:
 - repair the wiring.
 - (b) If there is continuity:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).

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- 1 If the fault continues:
 - do a check and repair the wiring from the DMC2 (1WT2) to the DMC3 (1WT3):
 - . pins AB/11H, 11J to pins AB/11B, 11C
 - . pins AB/11F, 11G to pins AB/11D, 11E.
- B. Do the test given in Para. 3.

EFF: ALL
SROS

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TASK 31-63-81-810-812

Loss of the ENG1 N1 Indication on the Upper ECAM DU Detected by the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC1: ENG1 N1 DSPLY ERR:

 on the ECAM control panel, set the UPPER DISPLAY potentiometer to OFF and do the test given in Para.
 - (1) If this test gives the maintenance message DMC1: ENG1 N1 DSPLY ERR: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC1 (1WT1) pins AB/11B, 11C to the first terminal block.
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins AB/11D, 11E to the first terminal block (Ref. ASM 31-61/04).

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- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/35,
 36 to the first terminal block.
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-813

Loss of the ENG2 N1 Indication on the Upper ECAM DU Detected by the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test

 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC1: ENG2 N1 DSPLY ERR

- on the ECAM control panel, set the UPPER DISPLAY potentiometer to OFF and do the test given in Para. 3.
- (1) If this test gives the maintenance message:

DMC1: ENG2 N1 DSPLY ERR

- replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (a) If the fault continues:
 - do a check of the wiring from DMC1 (1WT1) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins AB/11D, 11E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-814

Loss of the ENG1 N2 Indication on the Upper ECAM DU Detected by the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
		·
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC1: ENG1 N2 DSPLY ERR

- on the ECAM control panel, set the UPPER DISPLAY potentiometer to OFF and do the test given in Para. 3.
- (1) If this test gives the maintenance message:

DMC1: ENG1 N2 DSPLY ERR

- replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (a) If the fault continues:
 - do a check of the wiring from DMC1 (1WT1) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins AB/11D, 11E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - $\underline{1}$ If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-815

Loss of the ENG2 N2 Indication on the Upper ECAM DU Detected by the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC1: ENG2 N2 DSPLY ERR:

 on the ECAM control panel, set the UPPER DISPLAY potentiometer to OFF and do the test given in Para.
 - (1) If this test gives the maintenance message DMC1: ENG2 N2 DSPLY ERR: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC1 (1WT1) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.
 - repair the wining.
 - 2 If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins AB/11D, 11E to the first terminal block (Ref. ASM 31-61/04).

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- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-816

Failure of the DMC1 Pin Programming

- 1. Possible Causes
 - DMC-1 (1WT1)
 - ground signals at DMC1 (1WT1) connector AB
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)
AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

R AWM 31-61-28

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC1: PROGRAM PIN

or

R

DMC1: POSITION PIN

do a check for ground signals at DMC1 (1WT1) connector AB (Ref. AWM 31-61-28).

- (1) If the wiring is incorrect:
 - repair the wiring.
- (2) If the wiring is correct:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-817

Loss of CAPT PFD or CAPT ND or Upper ECAM DU Image

- 1. Possible Causes
 - PFD-CAPT (2WT1)
 - DMC-1 (1WT1)
 - ND-CAPT (3WT1)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC1: RECONF WIRING and there is no CAPT PFD image:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from CAPT PFD (2WT1) pins AA/35, 36 to DMC1 (1WT1) pins AB/9B, 9C (Ref. ASM 31-61/04).
 - (a) If there is no continuity:
 - repair the wiring.
 - (b) If there is continuity:
 - do a check and repair the wiring from CAPT PFD (2WT1) pins AA/38, 39 to DMC1 (1WT1) pins AB/9D, 9E (Ref. ASM 31-61/04).

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- 1 If the fault continues:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- B. If the test gives the maintenance message DMC1 : RECONF WIRING and there is no CAPT ND image:
 - replace the ND-CAPT (3WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from CAPT ND (3WT1) pins AA/35, 36 to DMC1 (1WT1) pins AB/10B, 10C (Ref. ASM 31-61/04).
 - (a) If there is no continuity:
 - repair the wiring.
 - (b) If there is continuity:
 - do a check and repair the wiring from CAPT ND (3WT1) pins
 AA/38, 39 to DMC1 (1WT1) pins AB/10D, 10E (Ref. ASM 31-61/04).
 - 1 If the fault continues:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- C. If the test gives the maintenance message DMC1 : RECONF WIRING and there is no upper ECAM DU image:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/35, 36 to DMC1 (1WT1) pins AB/11B, 11C (Ref. ASM 31-61/04).
 - (a) If there is no continuity:
 - repair the wiring.
 - (b) If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/38, 39 to DMC1 (1WT1) pins AB/10D, 10E (Ref. ASM 31-61/04).
 - 1 If the fault continues:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- D. Do the test given in Para. 3.

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TASK 31-63-81-810-818

- R Failure of the Upper ECAM DU Detected by the DMC1
 - 1. Possible Causes
 - DMC-1 (1WT1)
 - DU-ECAM, UPPER (4WT1)
 - wiring
 - 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC1 : DU ECAM1 LINK:
 - on the ECAM control panel, set the UPPER DISPLAY potentiometer to OFF and do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC1 : DU ECAM1 LINK:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC1 (1WT1) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins AB/11D, 11E to the first terminal block (Ref. ASM 31-61/04).

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- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-819

Failure of the F/O ND Pin Programming

- 1. Possible Causes
 - ND-F/O (3WT2)
 - ground signals at F/O ND (3WT2) connector AA
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R	AMM	31-60-00-740-002	EIS Input Test
	AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AWM	31-68-06	(2411)/2412/3411/3412/
	3. F	ault Confirmation	

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC2: DU ND2 POS. PIN: - do a check for ground signals at F/O ND (3WT2) connector AA (Ref. AWM 31-68-06).
 - (1) If the wiring is incorrect: - repair the wiring.
 - (2) If the wiring is correct: - replace the ND-F/O (3WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- B. Do the test given in Para. 3.

R

EFF: ALL **SROS**

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TASK 31-63-81-810-820

Failure of the F/O PFD Pin Programming

- 1. Possible Causes
 - PFD-F/0 (2WT2)
 - ground signals at F/O PFD (2WT2) connector AA
- 2. Job Set-up Information
 - A. Referenced Information

REF	ERENCE	DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
R AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AWM	31-68-06	(=1.1./=1.1=/01.1./01.1=/
3.	Fault Confirmation	

3. Fault Confirmation

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

A. If the test gives the maintenance message:

DMC2: DU PFD2 POS PIN

- do a check for ground signals at F/O PFD (2WT2) connector AA (Ref. AWM 31-68-06).
- (1) If the wiring is incorrect:
 - repair the wiring.
- (2) If the wiring is correct:
 - replace the PFD-F/O (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- B. Do the test given in Para. 3.

R

EFF: ALL **SROS**

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TASK 31-63-81-810-821

Failure of the F/O ND Detected by the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - ND-F/O (3WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC2 : DU ND2 LINK:
 - on the panel 500VU, push the F/O PFD/ND XFR pushbutton switch (9WT2) to get the ND image on the F/O PFD
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC2 : DU ND2 LINK:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC2 (1WT2) pins AB/10B, 10C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC2 (1WT2) pins AB/10D, 10E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the ND-F/O (3WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from F/O ND (3WT2) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from F/O ND (3WT2) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-822

Failure of the F/O PFD Detected by the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - PFD-F/0 (2WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC2 DU PFD2 LINK:
 - on the panel 500VU, push the F/O PFD/ND XFR pushbutton switch (9WT2) to get the PFD image on the F/O ND
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC2-DU PFD2 LINK:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC2 (1WT2) pins AB/9B, 9C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC2 (1WT2) pins AB/9D, 9E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the PFD-F/O (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from F/O PFD (2WT2) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from F/O PFD (2WT2) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-823

Loss of the Attitude Information on the CAPT PFD Detected by the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - PFD-CAPT (2WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC1: ATT DSPLY ERR:
 - on the panel 301VU, push the CAPT PFD/ND XFR pushbutton switch (9WT1) to get the PFD image on the CAPT ND
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC1: ATT DSPLY ERR: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC1 (1WT1) pins AB/9B, 9C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins AB/9D, 9E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from CAPT PFD (2WT1) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from CAPT PFD (2WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-824

Loss of the Altitude Information on the CAPT PFD Detected by the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - PFD-CAPT (2WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC1: ALT DSPLY ERR

- on the panel 301VU, push the CAPT PFD/ND XFR pushbutton switch (9WT1) to get the PFD image on the CAPT ND
- do the test given in Para. 3.
- (1) If this test gives the maintenance message:

DMC1: ALT DSPLY ERR

- replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (a) If the fault continues:
 - do a check of the wiring from DMC1 (1WT1) pins AB/9B, 9C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins AB/9D, 9E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from CAPT PFD (2WT1) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from CAPT PFD (2WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-825

Loss of the DSDL PFD MASTER or DSDL PFD FDBK Bus Detected by the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - PFD-CAPT (2WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC1 : NO CHECK ATT MSG:
 - on the panel 301VU, push the CAPT PFD/ND XFR pushbutton switch (9WT1) to get the PFD image on the CAPT ND
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC1: NO CHECK ATT MSG: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the DMC1 (1WT1) pins AB/9B, 9C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

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- 2 If there is continuity:
 - do a check and repair the wiring from the DMC1 (1WT1) pins AB/9D, 9E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the CAPT PFD (2WT1) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from the CAPT PFD (2WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

EFF: ALL 31-63-81

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-826

Failure of the Upper ECAM DU Pin Programming Detected by the DMC1

- 1. Possible Causes
 - DU-ECAM, UPPER (4WT1)
 - ground signals at upper ECAM DU (4WT1) connector AA
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
_	AMM	31-60-00-740-002	EIS Input Test
R	AMM	31-63-22-000-001	Removal of the Display Unit
	AMM	31-63-22-400-001	(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2) Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AWM	31-68-06	(ZWI1,ZWIZ, JWI1, JWIZ, 4WI1, 4WIZ)
	7 6	ault Confirmation	

3. Fault Confirmation

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC1 : DU ECAM1 POS PIN: - do a check for ground signals at upper ECAM DU (4WT1) connector AA (Ref. AWM 31-68-06).
 - (1) If the wiring is not correct: - repair the wiring.
 - (2) If the wiring is correct:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- B. Do the test given in Para. 3.

R

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-827

Loss of the ENG1 EGT Indication on the Upper ECAM DU Detected by the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit	
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	Installation of the Display Unit	
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
ASM	31-61/04		

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC1 : ENG1 EGT DSPLY ERR:
 - on the ECAM control panel (6WT) set the UPPER DISPLAY potentiometer to OFF
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC1: ENG1 EGT DSPLY ERR: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC1 (1WT1) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins AB/11D, 11E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

EFF: ALL 31-63-81

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TASK 31-63-81-810-828

Loss of the ENG2 EGT Indication on the Upper ECAM DU Detected by the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC1: ENG2 EGT DSPLY ERR

- on the ECAM control panel (6WT) set the UPPER DISPLAY potentiometer to OFF
- do the test given in Para. 3.
- (1) If this test gives the maintenance message:

DMC1: ENG2 EGT DSPLY ERR

- replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (a) If the fault continues:
 - do a check of the wiring from DMC1 (1WT1) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins AB/11D, 11E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

EFF: ALL 31-63-81

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-829

Loss of the ENG1 Fuel Flow (FF) Indication on the Upper ECAM DU Detected by the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
ASM	31-61/04		

- 3. Fault Confirmation
 - A. Test

Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC1 : ENG1 F.F DSPLY ERR:
 - on the ECAM control panel (6WT) set the UPPER DISPLAY potentiometer to OFF
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC1: ENG1 F.F DSPLY ERR: - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC1 (1WT1) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins AB/11D, 11E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-830

Loss of the ENG2 Fuel Flow (FF) Indication on the Upper ECAM DU Detected by the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit	
,,,,,,	3. 33 22 333 33.	(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
ASM	31-61/04		

- 3. Fault Confirmation
 - A. Test

Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC1: ENG2 FF DSPLY ERR

- on the ECAM control panel (6WT) set the UPPER DISPLAY potentiometer to OFF
- do the test given in Para. 3.
- (1) If this test gives the maintenance message:

DMC1: ENG2 FF DSPLY ERR

- replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (a) If the fault continues:
 - do a check of the wiring from DMC1 (1WT1) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins AB/11D, 11E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - $\underline{1}$ If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-831

Loss of the Attitude Information on One PFD Detected by the DMC3

1. Possible Causes

- DMC-3 (1WT3)
- PFD-CAPT (2WT1)
- PFD-F/0 (2WT2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
ASM	31-61/04	, ,	

3. Fault Confirmation

A. Test

Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

- A. If the EIS DMC selector switch (18WT) on the panel 8VU is at CAPT/3 and the test gives the maintenance message DMC3: ATT DSPLY ERR:
 - on the panel 301VU, push the CAPT PFD/ND XFR pushbutton switch (9WT1)
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC3: ATT DSPLY ERR:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the DMC3 (1WT3) to the DMC1 (1WT1):
 - . pins AB/9B, 9C to pins AB/10J, 10H
 - pins AB/9D, 9E to pins AB/10F, 10G (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.

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- 2 If there is continuity:
 - do a check of the wiring from DMC1 (1WT1) pins AB/10B, 10C to the first terminal block (Ref. ASM 31-61/04).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins AB/10D, 10E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from CAPT PFD (2WT1) pins AA/21, 22 to the first terminal block (Ref. ASM 31-61/04).
 - $\underline{1}$ If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from CAPT PFD (2WT1) pins AA/23, 24 to the first terminal block (Ref. ASM 31-61/04).
- B. If the EIS DMC selector switch (18WT) on the panel 8VU is at F/O/3 and the test gives the maintenance message DMC3: ATT DSPLY ERR:
 - on the panel 500VU, push the F/O PFD/ND XFR pushbutton switch (9WT2)
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC3: ATT DSPLY ERR:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the DMC3 (1WT3) to the DMC2 (1WT2):
 - pins AB/9B, 9C to pins AB/10J, 10H
 - pins AB/9D, 9E to pins AB/10F, 10G (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from DMC2 (1WT2) pins AB/10B, 10C
 to the first terminal block (Ref. ASM 31-61/04).
 - a If there is no continuity:
 - repair the wiring.

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- b If there is continuity:
 - do a check and repair the wiring from DMC2 (1WT2) pins AB/10D, 10E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the PFD-F/O (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from F/O PFD (2WT2) pins AA/21, 22 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from F/O PFD (2WT2) pins AA/23, 24 to the first terminal block (Ref. ASM 31-61/04).
- C. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-832

Loss of the Altitude Information on One PFD Detected by the DMC3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - PFD-CAPT (2WT1)
 - PFD-F/0 (2WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		RENCE	DESIGNATION	
	AMM	31-60-00-740-002	EIS Input Test	
	AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
	AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
	AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
	AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test

Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

- 4. Fault Isolation
 - A. If the EIS DMC selector switch (18WT) on the panel 8VU is at CAPT/3 and the test gives the maintenance message DMC3: ALT DSPLY ERR MSG:
 - on the panel 301VU, push the CAPT PFD/ND XFR pushbutton switch (9WT1)
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC3: ALT DSPLY ERR: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the DMC3 (1WT3) to the DMC1 (1WT1):
 - . pins AB/9B, 9C to pins AB/10J, 10H
 - pins AB/9D, 9E to pins AB/10F, 10G (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.

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- 2 If there is continuity:
 - do a check of the wiring from DMC1 (1WT1) pins AB/10B, 10C to the first terminal block (Ref. ASM 31-61/04).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins AB/10D, 10E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from CAPT PFD (2WT1) pins AA/21, 22 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from CAPT PFD (2WT1) pins AA/23, 24 to the first terminal block (Ref. ASM 31-61/04).
- B. If the EIS DMC selector switch (18WT) on the panel 8VU is at F/0/3 and the test gives the maintenance message DMC3: ALT DSPLY ERR MSG:
 - on the panel 500VU, push the F/O PFD/ND XFR pushbutton switch (9WT2)
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC3: ALT DSPLY ERR:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the DMC3 (1WT3) to the DMC2
 (1WT2):
 - pins AB/9B, 9C to pins AB/10J, 10H
 - pins AB/9D, 9E to pins AB/10F, 10G (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from DMC2 (1WT2) pins AB/10B, 10C to the first terminal block (Ref. ASM 31-61/04).
 - a If there is no continuity:
 - repair the wiring.

EFF: ALL

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- b If there is continuity:
 - do a check and repair the wiring from DMC2 (1WT2) pins AB/10D, 10E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the PFD-F/O (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from F/O PFD (2WT2) pins AA/21, 22 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from F/O PFD (2WT2) pins AA/23, 24 to the first terminal block (Ref. ASM 31-61/04).
- C. Do the test given in Para. 3.

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TASK 31-63-81-810-833

Loss of the DSDL PFD MASTER or DSDL PFD FDBK Bus Detected by the DMC3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - PFD-CAPT (2WT1)
 - PFD-F/0 (2WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit	
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	Installation of the Display Unit	
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
ASM	31-61/04		

- 3. Fault Confirmation
 - A. Test

Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

- 4. Fault Isolation
 - A. If the EIS DMC selector switch (18WT) on the panel 8VU is at CAPT/3 and the test gives the maintenance message:

DMC3: NO CHECK ATT MSG

- on the panel 301VU, push the CAPT PFD/ND XFR pushbutton switch (9WT1)
- do the test given in Para. 3.
- (1) If this test gives the maintenance message:

DMC3: NO CHECK ATT MSG

- replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (a) If the fault continues:
 - do a check of the wiring from the DMC3 (1WT3) to the DMC1 (1WT1):
 - . pins AB/9B, 9C to pins AB/10J, 10H
 - . pins AB/9D, 9E to pins AB/10F, 10G (Ref. ASM 31-61/04).

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- 1 If there is no continuity:
 - repair the wiring.
- 2 If there is continuity:
 - do a check of the wiring from DMC1 (1WT1) pins AB/10B, 10C to the first terminal block (Ref. ASM 31-61/04).
 - a If there is no continuity:
 - repair the wiring.
 - b If there is continuity:
 - do a check and repair the wiring from DMC1 (1WT1) pins AB/10D, 10E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from CAPT PFD (2WT1) pins AA/21, 22 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from CAPT PFD (2WT1) pins AA/23, 24 to the first terminal block (Ref. ASM 31-61/04).
- B. If the EIS DMC selector switch (18WT) on the panel 8VU is at F/0/3 and the test gives the maintenance message:

DMC3: NO CHECK ATT MSG

- on the panel 500VU, push the F/O PFD/ND XFR pushbutton switch (9WT2)
- do the test given in Para. 3.
- (1) If this test gives the maintenance message:

DMC3: NO CHECK ATT MSG

- replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (a) If the fault continues:
 - do a check of the wiring from the DMC3 (1WT3) to the DMC2 (1WT2):
 - . pins AB/9B, 9C to pins AB/10J, 10H
 - pins AB/9D, 9E to pins AB/10F, 10G (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.

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- 2 If there is continuity:
 - do a check of the wiring from DMC2 (1WT2) pins AB/10B, 10C to the first terminal block (Ref. ASM 31-61/04).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - do a check and repair the wiring from DMC2 (1WT2) pins AB/10D, 10E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the PFD-F/O (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from F/O PFD (2WT2) pins AA/21, 22 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from F/O PFD (2WT2) pins AA/23, 24 to the first terminal block (Ref. ASM 31-61/04).
- C. Do the test given in Para. 3.

EFF: ALL 31-63-81

TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-834

Failure of the Upper ECAM DU Pin Programming Detected by the DMC3

- 1. Possible Causes
 - DU-ECAM, UPPER (4WT1)
 - ground signals at upper ECAM DU (4WT1) connector AA
- 2. Job Set-up Information
 - A. Referenced Information

R	REFERENCE		DESIGNATION
	AMM	31-60-00-740-002	EIS Input Test
	AMM	31-63-22-000-001	Removal of the Display Unit
	AMM	31-63-22-400-001	(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2) Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AWM	31-68-06	(2W11,2W12,3W11,3W12,4W11,4W12)
	3. F	ault Confirmation	

3. Fault Confirmation

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message:
 - DMC3: DU ECAM1 POS PIN
 - do a check for ground signals at upper ECAM DU (4WT1) connector AA (Ref. AWM 31-68-06).
 - (1) If the wiring is not correct:
 - repair the wiring.
 - (2) If the wiring is correct:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- B. Do the test given in Para. 3.

R

EFF: ALL **SROS**

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TASK 31-63-81-810-835

Failure of the Lower ECAM DU Pin Programming Detected by the DMC3

- 1. Possible Causes
 - DU-ECAM, LOWER (4WT2)
 - ground signals at lower ECAM DU (4WT2) connector AA
- 2. Job Set-up Information
 - A. Referenced Information

R	REFERENCE		DESIGNATION
	AMM	31-60-00-740-002	EIS Input Test
	AMM	31-63-22-000-001	Removal of the Display Unit
	AMM	31-63-22-400-001	(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2) Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AWM	31-68-06	(2m11,2m12,3m11,3m12,4m11,4m12)
	3 F	ault Confirmation	

3. Fault Confirmation

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message:
 - DMC3: DU ECAM2 POS PIN
 - do a check for ground signals at lower ECAM DU (4WT2) connector AA (Ref. AWM 31-68-06).
 - (1) If the wiring is not correct:
 - repair the wiring.
 - (2) If the wiring is correct:
 - replace the DU-ECAM, LOWER (4WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- B. Do the test given in Para. 3.

R

EFF: ALL **SROS**

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TASK 31-63-81-810-836

Loss of the ENG1 EGT Indication on the Upper ECAM DU Detected by the DMC3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC3 : ENG1 EGT DSPLY ERR:
 - on the ECAM control panel (6WT), set the UPPER DISPLAY potentiometer to OFF
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC3: ENG1 EGT DSPLY ERR: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the DMC3 (1WT3) to the DMC1 (1WT1):
 - . pins AB/11B, 11C to pins AB/11J, 11H
 - pins AB/11D, 11E to pins AB/11F, 11G (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.

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- 2 If there is continuity:
 - do a check of the wiring from the DMC1 (1WT1) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - do a check and repair the wiring from the DMC1 (1WT1) pins AB/11D, 11E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the upper ECAM DU (4WT1) pins
 AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - $\underline{1}$ If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from the upper ECAM DU (4WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-837

Loss of the ENG2 EGT Indication on the Upper ECAM DU Detected by the DMC3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION	
ΔΜΜ	31-60-00-740-002	EIS Input Test	
	31-63-22-000-001	Removal of the Display Unit	
AMM	31-63-22-400-001	(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2) Installation of the Display Unit	
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
ASM	31-61/04		

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC3 : ENG2 EGT DSPLY ERR:
 - on the ECAM control panel (6WT), set the UPPER DISPLAY potentiometer to OFF
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC3: ENG2 EGT DSPLY ERR: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the DMC3 (1WT3) to the DMC1 (1WT1):
 - . pins AB/11B, 11C to pins AB/11J, 11H
 - pins AB/11D, 11E to pins AB/11F, 11G (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.

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- 2 If there is continuity:
 - do a check of the wiring from the DMC1 (1WT1) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - do a check and repair the wiring from the DMC1 (1WT1) pins AB/11D, 11E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the upper ECAM DU (4WT1) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - $\underline{1}$ If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from the upper ECAM DU (4WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-838

Loss of the ENG1 Fuel Flow (FF) Indication on the Upper ECAM DU Detected by the DMC3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test

Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC3: ENG1 FF DSPLY ERR:
 - on the ECAM control panel (6WT), set the UPPER DISPLAY potentiometer to OFF
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC3: ENG1 FF DSPLY ERR: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the DMC3 (1WT3) to the DMC1 (1WT1):
 - . pins AB/11B, 11C to pins AB/11J, 11H
 - . pins AB/11D, 11E to pins AB/11F, 11G (Ref. ASM 31-61/04).
 - $\underline{1}$ If there is no continuity:
 - repair the wiring.

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- 2 If there is continuity:
 - do a check of the wiring from the DMC1 (1WT1) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - do a check and repair the wiring from the DMC1 (1WT1) pins AB/11D, 11E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the upper ECAM DU (4WT1) pins
 AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - $\underline{1}$ If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from the upper ECAM DU (4WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-839

Loss of the ENG2 Fuel Flow (FF) Indication on the Upper ECAM DU Detected by the DMC3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test

Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC3: ENG2 FF DSPLY ERR:
 - on the ECAM control panel (6WT), set the UPPER DISPLAY potentiometer to OFF
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC3: ENG2 FF DSPLY ERR: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the DMC3 (1WT3) to the DMC1 (1WT1):
 - . pins AB/11B, 11C to pins AB/11J, 11H
 - . pins AB/11D, 11E to pins AB/11F, 11G (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.

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- 2 If there is continuity:
 - do a check of the wiring from the DMC1 (1WT1) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - do a check and repair the wiring from the DMC1 (1WT1) pins AB/11D, 11E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the upper ECAM DU (4WT1) pins
 AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - $\underline{1}$ If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from the upper ECAM DU (4WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-840

Failure of the CAPT ND Pin Programming

- 1. Possible Causes
 - ND-CAPT (3WT1)
 - ground signals at CAPT ND (3WT1) connector AA
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AWM	31-68-06	(
	AMM AMM	AMM 31-60-00-740-002 AMM 31-63-22-000-001 AMM 31-63-22-400-001

3. Fault Confirmation

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC1 : DU ND1 POS PIN: - do a check for ground signals at CAPT ND (3WT1) connector AA (Ref. AWM 31-68-06).
 - (1) If the wiring is incorrect: - repair the wiring.
 - (2) If the wiring is correct: - replace the ND-CAPT (3WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- B. Do the test given in Para. 3.

R

EFF: ALL **SROS**

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TASK 31-63-81-810-841

Failure of the CAPT PFD Pin Programming

- 1. Possible Causes
 - PFD-CAPT (2WT1)
 - ground signals at CAPT PFD (2WT1) connector AA
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R	AMM	31-60-00-740-002	EIS Input Test
	AMM	31-63-22-000-001	Removal of the Display Unit
	AMM	31-63-22-400-001	(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2) Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AWM	31-68-06	(ZWI1,ZWIZ,JWI1,JWIZ,4WI1,4WIZ)
	7 F	ault Confirmation	

3. Fault Confirmation

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC1: DU PFD1 POS PIN: - do a check for ground signals at CAPT PFD (2WT1) connector AA (Ref. AWM 31-68-06).
 - (1) If the wiring is incorrect: - repair the wiring.
 - (2) If the wiring is correct: - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- B. Do the test given in Para. 3.

R

EFF: ALL **SROS**

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TASK 31-63-81-810-842

Failure of the CAPT ND Detected by the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - ND-CAPT (3WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
	_, ,, ,, ,, ,,,	
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC1-DU ND1 LINK:
 - on the panel 301VU, push the CAPT PFD/ND XFR pushbutton switch (9WT1)
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC1-DU ND1 LINK:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the DMC1 (1WT1) pins AB/10B, 10C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from the DMC1 (1WT1) pins
 AB/10D, 10E to the first terminal block (Ref. ASM 31-61/04).

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- (2) If this test gives no maintenance message:
 - replace the ND-CAPT (3WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the CAPT ND (3WT1) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from the CAPT-ND (3WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-843

Failure of the CAPT PFD Detected by the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - PFD-CAPT (2WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC1-DU PFD1 LINK:
 - on the panel 301VU, push the CAPT PFD/ND XFR pushbutton switch (9WT1)
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC1-DU PFD1 LINK:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the DMC1 (1WT1) pins AB/9B, 9C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from the DMC1 (1WT1) pins
 AB/9D, 9E to the first terminal block (Ref. ASM 31-61/04).

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- (2) If this test gives no maintenance message:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from the CAPT PFD (2WT1) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from the CAPT PFD (2WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

EFF: ALL 31-63-81

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TASK 31-63-81-810-844

Failure of the CAPT ND Pin Programming Detected by the DMC3

- 1. Possible Causes
 - ND-CAPT (3WT1)
 - ground signals at CAPT ND (3WT1) connector AA
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
	74 (0 00 7(0 000	
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>
AWM	31-68-06	

3. Fault Confirmation

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R

- A. If the test gives the maintenance message DMC3 : DU ND1 POS PIN: - do a check for ground signals at CAPT ND (3WT1) connector AA (Ref. AWM 31-68-06).
 - (1) If the wiring is incorrect:
 - repair the wiring.
 - (2) If the wiring is correct:
 - replace the ND-CAPT (3WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- B. Do the test given in Para. 3.

R

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-845

Failure of the CAPT PFD Pin Programming Detected by the DMC3

- 1. Possible Causes
 - PFD-CAPT (2WT1)
 - ground signals at CAPT PFD (2WT1) connector AA
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>
AWM	31-68-06	

3. Fault Confirmation

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R

- A. If the test gives the maintenance message DMC3: DU PFD1 POS PIN: - do a check for ground signals at CAPT PFD (2WT1) connector AA (Ref. AWM 31-68-06).
 - (1) If the wiring is incorrect:
 - repair the wiring.
 - (2) If the wiring is correct:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- B. Do the test given in Para. 3.

R

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TASK 31-63-81-810-846

Failure of the CAPT ND Detected by the DMC3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - ND-CAPT (3WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:
 - DMC3 DU ND1 LINK
 - on the panel 301VU, push the CAPT PFD/ND XFR pushbutton switch (9WT1) to get the ND image on the CAPT PFD
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message:

DMC3 - DU ND1 LINK

- replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (a) If the fault continues:
 - do a check of the wiring from DMC1 (1WT1) pins AB/9B, 9C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

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- 2 If there is continuity:
 - do a check of the wiring from DMC1 (1WT1) pins AB/9D, 9E to the first terminal block (Ref. ASM 31-61/04).
 - <u>a</u> If there is no continuity:
 - repair the wiring.
 - b If there is continuity:
 - do a check and repair the wiring from the DMC1 (1WT1) to the DMC3 (1WT3):
 - . pins AB/9F, 9G to pins AB/10D, 10E
 - pins AB/9H, 9J to pins AB/10B, 10C (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the ND-CAPT (3WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from CAPT ND (3WT1) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from CAPT ND (3WT1) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-847

Failure of the CAPT PFD Detected by the DMC3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - PFD-CAPT (2WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message: DMC3-DU PFD1 LINK
 - on the panel 301VU, push the CAPT PFD/ND XFR pushbutton switch (9WT1)
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message: DMC3-DU PFD1 LINK
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC1 (1WT1) pins AB/10B, 10C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check of the wiring from DMC1 (1WT1) pins AB/10D, 10E to the first terminal block (Ref. ASM 31-61/04).
 - \underline{a} If there is no continuity:
 - repair the wiring.
 - b If there is continuity:
 - do a check and repair the wiring from the DMC1 (1WT1) to the DMC3 (1WT3):
 - . pins AB/10H, 10J to pins AB/9B, 9C
 - pins AB/10F, 10G to pins AB/9D, 9E (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from CAPT PFD (2WT1) pins AA/21, 22 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from CAPT PFD (2WT1) pins AA/23, 24 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

EFF: ALL 31-63-81

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TASK 31-63-81-810-848

Failure of the F/O ND Pin Programming Detected by the DMC3

- 1. Possible Causes
 - ND-F/O (3WT2)
 - ground signals at F/O ND (3WT2) connector AA
- 2. Job Set-up Information
 - A. Referenced Information

R	REFERENCE		DESIGNATION
	AMM	31-60-00-740-002	EIS Input Test
	AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AWM	31-68-06	(2411/2412/3411/3412/4411/4412/
	7 5	oult Confirmation	

Fault Confirmation

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC3 : DU ND2 POS PIN: - do a check for ground signals at F/O ND (3WT2) connector AA (Ref. AWM 31-68-06).
 - (1) If the wiring is not correct: - repair the wiring.
 - (2) If the wiring is correct: - replace the ND-F/0 (3WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).

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B. Do the test given in Para. 3.

R

EFF: ALL **SROS**

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TASK 31-63-81-810-849

Failure of the F/O PFD Pin Programming Detected by the DMC3

- 1. Possible Causes
 - PFD-F/0 (2WT2)
 - ground signals at F/O PFD (2WT2) connector AA
- 2. Job Set-up Information
 - A. Referenced Information

R	REFERENCE		DESIGNATION
	AMM	31-60-00-740-002	EIS Input Test
	AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AWM	31-68-06	(2411/2412/3411/3412/4411/4412/
	3. F	ault Confirmation	

3. Fault Confirmation

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC3 : DU PFD2 POS PIN - do a check for ground signals at F/O PFD (2WT2) connector AA (Ref. AWM 31-68-06).
 - (1) If the wiring is incorrect: - repair the wiring.
 - (2) If the wiring is correct: - replace the PFD-F/O (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- B. Do the test given in Para. 3.

R

EFF: ALL **SROS**

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TASK 31-63-81-810-850

Failure of the F/O ND Detected by the DMC3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - ND-F/O (3WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message: DMC3-DU ND2 LINK
 - on the panel 500VU, push the F/O PFD/ND XFR pushbutton switch (9WT2)
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message: DMC3-DU ND2 LINK
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC2 (1WT2) pins AB/9B, 9C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check of the wiring from DMC2 (1WT2) pins AB/9D, 9E to the first terminal block (Ref. ASM 31-61/04).
 - a If there is no continuity:
 - repair the wiring.
 - b If there is continuity:
 - do a check and repair the wiring from the DMC2 (1WT2) to the DMC3 (1WT3):
 - . pins AB/9F, 9G to pins AB/10D, 10E
 - pins AB/9H, 9J to pins AB/10B, 10C (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the ND-F/O (3WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from F/O ND (3WT2) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from F/O ND (3WT2) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-851

Failure of the F/O PFD Detected by the DMC3

- 1. Possible Causes
 - DMC-3 (1WT3)
 - PFD-F/0 (2WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC3-DU PFD2 LINK:
 on the panel 500VU, push the F/O PFD/ND XFR pushbutton switch (9WT2)
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC3-DU PFD2 LINK:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC2 (1WT2) pins AB/10B, 10C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check of the wiring from DMC2 (1WT2) pins AB/10D, 10E to the first terminal block (Ref. ASM 31-61/04).

EFF: ALL

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- \underline{a} If there is no continuity:
 - repair the wiring.
- b If there is continuity:
 - do a check and repair the wiring from the DMC2 (1WT2) to the DMC3 (1WT3):
 - . pins AB/10H, 10J to pins AB/9B, 9C
 - . pins AB/10F, 10G to pins AB/9D, 9E (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the PFD-F/O (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from F/O PFD (2WT2) pins AA/21, 22 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from F/O PFD (2WT2) pins AA/23, 24 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

EFF: ALL 31-63-81

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TASK 31-63-81-810-852

Loss of the Attitude Information on the F/O PFD Detected by the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - PFD-F/0 (2WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC2: ATT DSPLY ERR

- on the panel 500VU, push the F/O PFD/ND XFR pushbutton switch (9WT2) to get the PFD image on the F/O ND.
- do the test given in Para. 3.
- (1) If this test gives the maintenance message:

DMC2: ATT DSPLY ERR

- replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (a) If the fault continues:
 - do a check of the wiring from DMC2 (1WT2) pins AB/9B, 9C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC2 (1WT2) pins AB/9D, 9E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the PFD-F/0 (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from F/O PFD (2WT2) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from F/O PFD (2WT2) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

EFF: ALL 31-63-81

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TASK 31-63-81-810-853

Loss of the Altitude Information on the F/O PFD Detected by the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - PFD-F/0 (2WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC2: ALT DSPLY ERR

- on the panel 500VU, push the F/O PFD/ND XFR pushbutton switch (9WT2) to get the PFD image on the F/O ND.
- do the test given in Para. 3.
- (1) If this test gives the maintenance message:

DMC2: ALT DSPLY ERR

- replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (a) If the fault continues:
 - do a check of the wiring from DMC2 (1WT2) pins AB/9B, 9C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC2 (1WT2) pins AB/9D, 9E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the PFD-F/0 (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from F/O PFD (2WT2) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from F/O PFD (2WT2) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

EFF: ALL 31-63-81

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TASK 31-63-81-810-854

Loss of the DSDL PFD MASTER or DSDL PFD FDBK Bus Detected by the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - PFD-F/0 (2WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC2: NO CHECK ATT MSG

- on the panel 500VU, push the F/O PFD/ND XFR pushbutton switch (9WT2) to get the PFD image on the F/O ND.
- do the test given in Para. 3.
- (1) If this test gives the maintenance message:

DMC2: NO CHECK ATT MSG

- replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (a) If the fault continues:
 - do a check of the wiring from DMC2 (1WT2) pins AB/9B, 9C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC2 (1WT2) pins AB/9D, 9E to the first terminal block (Ref. ASM 31-61/04).
- (2) If this test gives no maintenance message:
 - replace the PFD-F/O (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from F/O PFD (2WT2) pins AA/35, 36 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from F/O PFD (2WT2) pins AA/38, 39 to the first terminal block (Ref. ASM 31-61/04).
- B. Do the test given in Para. 3.

EFF: ALL 31-63-81

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TASK 31-63-81-810-855

Failure of the Lower ECAM DU Pin Programming Detected by the DMC2

- 1. Possible Causes
 - DU-ECAM, LOWER (4WT2)
 - ground signals at lower ECAM DU (4WT2) connector AA
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
	AMM	31-60-00-740-002	EIS Input Test
R	AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AWM	31-68-06	(2411/2412/3411/3412/4411/4412/
	3. F	ault Confirmation	

3. Fault Confirmation

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message:
 - DMC2: DU ECAM2 POS PIN
 - do a check for ground signals at lower ECAM DU (4WT2) connector AA (Ref. AWM 31-68-06).
 - (1) If the wiring is not correct:
 - repair the wiring.
 - (2) If the wiring is correct:
 - replace the DU-ECAM, LOWER (4WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- B. Do the test given in Para. 3.

R

EFF: ALL **SROS**

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TASK 31-63-81-810-856

Loss of the High Speed Bus Input Detected by the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-60-00-740-002 AMM 31-63-34-000-001 AMM 31-63-34-400-001	EIS Input Test Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1.1WT2.1WT3)

3. Fault Confirmation

ASM 31-68/05

- A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC1: NO DMC HS3 DATA

- replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from DMC1 (1WT1) pins AA/13E, 13F to the first terminal block (Ref. ASM 31-68/05).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-857

Loss of the Low Speed Bus Input Detected by the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		RENCE	DESIGNATION
	AMM	31-60-00-740-002	EIS Input Test
	AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
	AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)

3. Fault Confirmation

ASM 31-68/05

- A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC1: NO DMC LS3 DATA

- replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from DMC1 (1WT1) pins AA/13G, 13H to the first terminal block (Ref. ASM 31-68/05).
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-858

Loss of the High Speed Bus Input Detected by the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)

AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-68/05

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC2: NO DMC HS3 DATA:
 replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from DMC2 (1WT2) pins AA/13E, 13F to the first terminal block (Ref. ASM 31-68/05).
 - B. Do the test given in Para. 3.

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TASK 31-63-81-810-859

Loss of the Low Speed Bus Input Detected by the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
KEI EKENOE	DEGLARATION

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)

AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-68/05

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC2: NO DMC LS3 DATA:
 replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from DMC2 (1WT2) pins AA/13G, 13H to the first terminal block (Ref. ASM 31-68/05).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-860

Loss of the High Speed Bus Output Detected by the DMC1

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)

AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-68/05

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC1: NO DMC HS3 DATA:
 replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from DMC3 (1WT3) pins AB/1E, 1F to the first terminal block (Ref. ASM 31-68/05).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-861

Loss of the Low Speed Bus Output Detected by the DMC1

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)

AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-68/05

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC1: NO DMC LS3 DATA

- replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from DMC3 (1WT3) pins AB/1G, 1H to the first terminal block (Ref. ASM 31-68/05).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-862

Loss of the High Speed Bus Output Detected by the DMC2

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
KEI EKENOE	DEGLARATION

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)

AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

ASM 31-68/05

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC2: NO DMC HS3 DATA

- replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from DMC3 (1WT3) pins AB/1E, 1F to the first terminal block (Ref. ASM 31-68/05).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-863

Loss of the Low Speed Bus Output Detected by the DMC2

- 1. Possible Causes
 - DMC-3 (1WT3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 31-60-00-740-002	EIS Input Test
AMM 31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)

3. Fault Confirmation

ASM 31-68/05

A. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC2: NO DMC LS3 DATA

- replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from DMC3 (1WT3) pins AB/1G, 1H to the first terminal block (Ref. ASM 31-68/05).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-864

Loss of the TCAS Output Bus Detected by the DMC1

- 1. Possible Causes
 - CMPTR-TCAS (1SG)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 31-60-00-740-002 EIS Input Test

AMM 34-43-34-000-001 Removal of the TCAS Computer (1SG) AMM 34-43-34-400-001 Installation of the TCAS Computer (1SG)

ASM 34-43/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION TDENT LOCATION ______

R **ON A/C 201-225, 227-227, 229-245, 254-299, 426-499, 503-549, 551-599, R 701-749,

121VU COM NAV/TCAS 4SG K10

**ON A/C ALL

- B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC1: NO TCAS DATA

- replace the CMPTR-TCAS (1SG) (Ref. AMM TASK 34-43-34-000-001) and (Ref. AMM TASK 34-43-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from TCAS computer (1SG) pins AE/7C, 7D to the first terminal block (Ref. ASM 34-43/01).

31-63-81 EFF: ALL

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B. Do the test given in Para. 3.B.

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-865

Loss of the TCAS Output Bus Detected by the DMC3

- 1. Possible Causes
 - CMPTR-TCAS (1SG)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE

DESIGNATION

AMM 31-60-00-740-002

EIS Input Test

AMM 34-43-34-000-001 Removal of the TCAS Computer (1SG) AMM 34-43-34-400-001 Installation of the TCAS Computer (1SG)

ASM 34-43/01

- 3. Fault Confirmation
 - A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION

TDENT LOCATION ______

R **ON A/C 201-225, 227-227, 229-245, 254-299, 426-499, 503-549, 551-599, R 701-749,

121VU COM NAV/TCAS

4SG

K10

**ON A/C ALL

- B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC3: NO TCAS DATA

- replace the CMPTR-TCAS (1SG) (Ref. AMM TASK 34-43-34-000-001) and (Ref. AMM TASK 34-43-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from TCAS computer (1SG) pins AE/7C, 7D to the first terminal block (Ref. ASM 34-43/01).

EFF: ALL 31-63-81

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SROS

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B. Do the test given in Para. 3.B.

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-866

Loss of the TCAS Output Bus Detected by the DMC2

- 1. Possible Causes
 - CMPTR-TCAS (1SG)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

DESIGNATION

REFERENCE

AMM 31-60-00-740-002 EIS Input Test

AMM 34-43-34-000-001 Removal of the TCAS Computer (1SG) AMM 34-43-34-400-001 Installation of the TCAS Computer (1SG)

ASM 34-43/01

3. Fault Confirmation

A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION TDENT LOCATION ______

R **ON A/C 201-225, 227-227, 229-245, 254-299, 426-499, 503-549, 551-599, R 701-749,

121VU COM NAV/TCAS 4SG K10

**ON A/C ALL

- B. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message:

DMC2: NO TCAS DATA

- replace the CMPTR-TCAS (1SG) (Ref. AMM TASK 34-43-34-000-001) and (Ref. AMM TASK 34-43-34-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring from TCAS computer (1SG) pins AE/7G, 7H to the first terminal block (Ref. ASM 34-43/01).

31-63-81 EFF: ALL

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B. Do the test given in Para. 3.B.

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-867

Failure of the DMC1

- 1. Possible Causes
 - DMC-1 (1WT1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

R

R

AMM 31-60-00-740-002 EIS Input Test

AMM 31-63-34-000-001

Removal of the DMC (1WT1,1WT2,1WT3)

AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

3. Fault Confirmation

R

A. Test

Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC1:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).

R

B. Do the test given in Para. 3.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-868

Failure of the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

R

AMM 31-60-00-740-002 EIS Input Test

R AMM 31-63-34-000-001

Removal of the DMC (1WT1,1WT2,1WT3)

AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

3. Fault Confirmation

R

A. Test

Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC2:
- replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).

R

B. Do the test given in Para. 3.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-869

Failure of the DMC3

- 1. Possible Causes
 - DMC-3 (1WT3)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

R

AMM 31-60-00-740-002 EIS Input Test

R

AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3)

AMM 31-63-34-400-001 Installation of the DMC (1WT1,1WT2,1WT3)

3. Fault Confirmation

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC3: - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM
 - TASK 31-63-34-400-001).

R

B. Do the test given in Para. 3.

EFF: ALL 31-63-81

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-870

Failure of the Upper ECAM DU

- 1. Possible Causes
 - DU-ECAM, UPPER (4WT1)
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
В	AMM	31-60-00-740-002	EIS Input Test
R	AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	3. <u>F</u>	ault Confirmation	

R

A. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

A. If the test gives the maintenance message DU ECAM 1:
- replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).

R

B. Do the test given in Para. 3.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-871

Failure of the Lower ECAM DU

- 1. Possible Causes
 - DU-ECAM, LOWER (4WT2)
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R	AMM	31-60-00-740-002	EIS Input Test
	AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	3. <u>F</u>	ault Confirmation	

R

A. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

R

- A. If the test gives the maintenance message DU ECAM 2:
 replace the DU-ECAM, LOWER (4WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).

SROS

B. Do the test given in Para. 3.

EFF: ALL 31-63

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TASK 31-63-81-810-872

Failure of the CAPT ND

- 1. Possible Causes
 - ND-CAPT (3WT1)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)

R

A. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

R

4. Fault Isolation

R

R

- A. If the test gives the maintenance message DU ND1:
 replace the ND-CAPT (3WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- B. Do the test given in Para. 3.

EFF: ALL

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TASK 31-63-81-810-873

Failure of the F/O ND

- 1. Possible Causes
 - ND-F/O (3WT2)
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R	AMM	31-60-00-740-002	EIS Input Test
ĸ	AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	3. <u>F</u>	ault Confirmation	

R

R

A. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R

- A. If the test gives the maintenance message DU ND2:
 replace the ND-F/O (3WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- B. Do the test given in Para. 3.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-874

Failure of the CAPT PFD

- 1. Possible Causes
 - PFD-CAPT (2WT1)
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
_	AMM	31-60-00-740-002	EIS Input Test
R	AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	3. <u>F</u>	ault Confirmation	

R

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

- A. If the test gives the maintenance message:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).

R

SROS

B. Do the test given in Para. 3.

EFF: ALL 31-63-81

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TASK 31-63-81-810-875

Failure of the F/O PFD

- 1. Possible Causes
 - PFD-F/0 (2WT2)
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R	AMM	31-60-00-740-002	EIS Input Test
ĸ	AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	3. <u>F</u>	ault Confirmation	

R

A. Test
Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R

SROS

R

- A. If the test gives the maintenance message DU PFD2:
 replace the PFD-F/O (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref.
 AMM TASK 31-63-22-400-001).
- B. Do the test given in Para. 3.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-877

Loss of the ENG2 N2 Indication on the Upper ECAM DU by the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC2 : ENG2 N2 DSPLY ERR:
 - on the ECAM control panel (6WT), set the UPPER DISPLAY potentiometer to OFF
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC2: ENG2 N2 DSPLY ERR: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC2 (1WT2) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC2 (1WT2) pins
 AB/11D, 11E to the first terminal block.
- (2) If this test does not give a maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/21, 22 to the first terminal block (Ref. ASM 31-61/04).
 - $\underline{1}$ If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/23, 24 to the first terminal block.
- B. Do the test given in Para. 3.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-878

Loss of the Upper ECAM DU by the DMC2

- 1. Possible Causes
 - DU-ECAM, UPPER (4WT1)
 - DMC-2 (1WT2)
 - wiring from the upper ECAM DU (4WT1) to the DMC2 (1WT2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC2 DU ECAM1 LINK:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from the upper ECAM DU (4WT1) to the DMC2 (1WT2)> (Ref. ASM 31-61/04).
 - (a) If there is no continuity:
 repair the wiring.
 - (b) If there is continuity:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - B. Do the test given in Para. 3.

EFF: ALL 31-63-81

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-879

Loss of the Lower ECAM DU by the DMC1

- 1. Possible Causes
 - DU-ECAM, LOWER (4WT2)
 - DMC-1 (1WT1)
 - wiring from the lower ECAM DU (4WT2) to the DMC1 (1WT1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-740-002	EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC1 DU ECAM2 LINK:
 - replace the DU-ECAM, LOWER (4WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (1) If the fault continues:
 - do a check of the wiring from the lower ECAM DU (4WT2) to the DMC1 (1WT1)> (Ref. ASM 31-61/04).
 - (a) If there is no continuity:
 repair the wiring.
 - repair the wiring.
 - (b) If there is continuity:
 replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-880

Failure of the Pin Programming of the Lower ECAM DU by the DMC1

- 1. Possible Causes
 - DU-ECAM, LOWER (4WT2)
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
_	AMM	31-60-00-740-002	EIS Input Test
R	AMM	31-63-22-000-001	Removal of the Display Unit
	AMM	31-63-22-400-001	(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2) Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	AWM	31-68-06	(2W11,2W12,3W11,3W12,4W11,4W12)
	3. <u>F</u>	ault Confirmation	

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

R

A. If the test gives the maintenance message DMC1 : DU ECAM2 POS PIN: - do a check for ground signals at lower ECAM DU (4WT2) connector AA (Ref. AWM 31-68-06).

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- (1) If the wiring is not correct:
 - repair the wiring.
- (2) If the wiring is correct: - replace the DU-ECAM, LOWER (4WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- B. Do the test given in Para. 3.

R

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-881

Failure of the Pin Programming of the Upper ECAM DU by the DMC2

- 1. Possible Causes
 - DU-ECAM, UPPER (4WT1)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION
	AMM	31-60-00-740-002	EIS Input Test
R	AMM	31-63-22-000-001	Removal of the Display Unit
	AMM	31-63-22-400-001	(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2) Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
	ASM	31-61/01	(2W11,2W12,3W11,3W12,4W11,4W12)
	3. <u>F</u>	ault Confirmation	

R

R

A. Test Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).

4. Fault Isolation

R

- A. If the test gives the maintenance message DMC2 : DU ECAM1 POS PIN: - do a check for ground signals at upper ECAM DU (4WT1) connector AA (Ref. ASM 31-61/01).
 - (1) If the wiring is not correct:
 - repair the wiring.
 - (2) If the wiring is correct:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
- B. Do the test given in Para. 3.

R

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-882

Loss of the ENG1 EGT Indication on the Upper ECAM DU by the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC2 : ENG1 EGT DSPLY ERR:
 - on the ECAM control panel (6WT), set the UPPER DISPLAY potentiometer to OFF
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC2: ENG1 EGT DSPLY ERR: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC2 (1WT2) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC2 (1WT2) pins
 AB/11D, 11E to the first terminal block.
- (2) If this test does not give a maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/21, 22 to the first terminal block (Ref. ASM 31-61/04).
 - $\underline{1}$ If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/23, 24 to the first terminal block.
- B. Do the test given in Para. 3.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-883

Loss of the ENG2 EGT Indication on the Upper ECAM DU by the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	31-60-00-740-002	EIC Janut Toot
		EIS Input Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC2 : ENG2 EGT DSPLY ERR:
 - on the ECAM control panel (6WT), set the UPPER DISPLAY potentiometer to OFF
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC2: ENG2 EGT DSPLY ERR: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC2 (1WT2) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC2 (1WT2) pins
 AB/11D, 11E to the first terminal block.
- (2) If this test does not give a maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/21, 22 to the first terminal block (Ref. ASM 31-61/04).
 - $\underline{1}$ If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/23, 24 to the first terminal block.
- B. Do the test given in Para. 3.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-884

Loss of the ENG1 FF Indication on the Upper ECAM DU by the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
		·	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC2 : ENG1 FF DSPLY ERR:
 - on the ECAM control panel (6WT), set the UPPER DISPLAY potentiometer to OFF
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC2: ENG1 FF DSPLY ERR: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC2 (1WT2) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC2 (1WT2) pins
 AB/11D, 11E to the first terminal block.
- (2) If this test does not give a maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/21, 22 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/23, 24 to the first terminal block.
- B. Do the test given in Para. 3.

EFF: ALL

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TASK 31-63-81-810-885

Loss of the ENG2 FF Indication on the Upper ECAM DU by the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC2 : ENG2 FF DSPLY ERR:
 - on the ECAM control panel (6WT), set the UPPER DISPLAY potentiometer to OFF
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC2: ENG2 FF DSPLY ERR: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC2 (1WT2) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC2 (1WT2) pins
 AB/11D, 11E to the first terminal block.
- (2) If this test does not give a maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/21, 22 to the first terminal block (Ref. ASM 31-61/04).
 - $\underline{1}$ If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/23, 24 to the first terminal block.
- B. Do the test given in Para. 3.

EFF: ALL

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TASK 31-63-81-810-886

Loss of the ENG1 N1 Indication on the Upper ECAM DU by the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC2 : ENG1 N1 DSPLY ERR:
 - on the ECAM control panel (6WT), set the UPPER DISPLAY potentiometer to OFF
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC2: ENG1 N1 DSPLY ERR: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC2 (1WT2) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC2 (1WT2) pins
 AB/11D, 11E to the first terminal block.
- (2) If this test does not give a maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/21, 22 to the first terminal block (Ref. ASM 31-61/04).
 - $\underline{1}$ If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/23, 24 to the first terminal block.
- B. Do the test given in Para. 3.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-887

Loss of the ENG2 N1 Indication on the Upper ECAM DU by the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC2 : ENG2 N1 DSPLY ERR:
 - on the ECAM control panel (6WT), set the UPPER DISPLAY potentiometer to OFF
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC2: ENG2 N1 DSPLY ERR: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC2 (1WT2) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC2 (1WT2) pins
 AB/11D, 11E to the first terminal block.
- (2) If this test does not give a maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/21, 22 to the first terminal block (Ref. ASM 31-61/04).
 - $\underline{1}$ If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/23, 24 to the first terminal block.
- B. Do the test given in Para. 3.

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TASK 31-63-81-810-888

Loss of the ENG1 N2 Indication on the Upper ECAM DU by the DMC2

- 1. Possible Causes
 - DMC-2 (1WT2)
 - DU-ECAM, UPPER (4WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	31-60-00-740-002	EIS Input Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM ASM	31-63-34-400-001 31-61/04	Installation of the DMC (1WT1,1WT2,1WT3)	

- 3. Fault Confirmation
 - A. Test
 Do the EIS input test (Ref. AMM TASK 31-60-00-740-002).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMC2 : ENG1 N2 DSPLY ERR:
 - on the ECAM control panel (6WT), set the UPPER DISPLAY potentiometer to OFF
 - do the test given in Para. 3.
 - (1) If this test gives the maintenance message DMC2: ENG1 N2 DSPLY ERR: - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from DMC2 (1WT2) pins AB/11B, 11C to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.

EFF: ALL

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- 2 If there is continuity:
 - do a check and repair the wiring from DMC2 (1WT2) pins AB/11D, 11E to the first terminal block.
- (2) If this test does not give a maintenance message:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (a) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/21, 22 to the first terminal block (Ref. ASM 31-61/04).
 - 1 If there is no continuity: - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from upper ECAM DU (4WT1) pins AA/23, 24 to the first terminal block.
- B. Do the test given in Para. 3.

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EFF: ALL 31-63-81

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TROUBLE SHOOTING MANUAL

**ON A/C 560-560,

TASK 31-63-81-810-890

Loss of the Weather Radar Picture detected by DMC 2 when the ND is shown on the CAPT PFD $\overline{\text{DU}}$

1. Possible Causes

- DMC-2 (1WT2)
- PFD-CAPT (2WT1)
- XCVR-WEATHER RADAR, 1 (1SQ1)
- XCVR-WEATHER RADAR, 2 (1SQ2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	24-41-00-862-002	De-energize the Aircraft Electrical Circuits Supplied from the External Power
AMM	31-60-00-740-004	EIS System Test
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	<pre>Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)</pre>
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)
AMM	34-10-00-860-005	ADIRS Stop Procedure
AMM	34-41-33-000-004	Removal of the Weather Radar Transceiver (1SQ1, 1SQ2)
AMM	34-41-33-400-003	<pre>Installation of the Weather Radar Transceiver (1SQ1, 1SQ2)</pre>
ASM	31-61/00	
ASM	31-62/00	
ASM	34-41/00	

3. Fault Confirmation

WARNING : MAKE SURE THAT:

-ALL PERSONS ARE MORE THAN 5 METERS (16.4FT) FROM THE ANTENNA.
-NO PERSON IS IN THE AREA MADE BY AN ARC OF 135° ON EACH SIDE OF THE AIRCRAFT CENTERLINE. -THERE IS A MINIMUM SAFETY DISTANCE OF 5 METERS (16.4FT) BETWEEN THE AIRCRAFT AND ANY OBSTACLE IN THE AREA MADE BY AN ARC OF 90° ON EACH SIDE OF THE AIRCRAFT CENTERLINE.

THE AIRCRAFT MUST NOT BE IN A HANGAR OR CLOSED AREA.

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A. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/RADAR/2 5SQ2 K14

121VU COM NAV/RADAR/1 5SQ1 K13

- B. Test
- Do the EIS system test (Ref. AMM TASK 31-60-00-740-004)
- C. Put the aircraft back to its initial configuration.
 - (1) Do the ADIRS stop procedure (Ref. AMM TASK 34-10-00-860-005)
 - (2) De-energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-862-002)

4. Fault Isolation

- A. If the test gives the maintenance message WXR1(1SQ1)/WXR2(1SQ2)/DU PFD CAPT (2WT1)/DMC2(1WT2):
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) (Ref. AMM TASK 31-63-34-400-001)
 - (1) If the fault continues:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) (Ref. AMM TASK 31-63-22-400-001)
 - (2) If the fault continues:
 - replace the XCVR-WEATHER RADAR, 1 (1SQ1) and the XCVR-WEATHER
 RADAR, 2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004) (Ref. AMM TASK 34-41-33-400-003)
 - (3) If the fault continues:
 - remove the DMC2 (1WT2) (Ref. AMM TASK 31-63-34-000-001)
 - remove the CAPT PFD DU (2WT1) (Ref. AMM TASK 31-63-22-000-001)
 - remove the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004)
 - (a) Check the wiring of the WXR1 OUTPUT BUS from the DMC2 (1WT2) pins AB/14B, 14C to the CAPT PFD DU (2WT1) (Ref. ASM 31-61/00)

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- (b) Check the wiring between the DMC2 (1WT2) and the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (SQ2) (Ref. ASM 31-62/00) (Ref. ASM 34-41/00)
 - install the DMC2 (1WT2) (Ref. AMM TASK 31-63-34-400-001)
 - install the CAPT PFD DU (2WT1) (Ref. AMM TASK 31-63-22-400-001)
 - install the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (1SQ2) (Ref. AMM TASK 34-41-33-400-003)
- B. Do the test given in Para. 3.A.

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-891

Loss of the Weather Radar Picture detected by DMC ${\bf 3}$ when the ND is shown on the CAPT PFD DU

1. Possible Causes

- DMC-3 (1WT3)
- PFD-CAPT (2WT1)
- XCVR-WEATHER RADAR, 1 (1SQ1)
- XCVR-WEATHER RADAR, 2 (1SQ2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	24-41-00-861-002	Energize the Aircraft Electrical Circuits from the External Power
AMM	24-41-00-862-002	<pre>De-energize the Aircraft Electrical Circuits Supplied from the External Power</pre>
AMM	31-60-00-740-004	EIS System Test
AMM	31-63-22-000-001	Removal of the Display Unit
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	Installation of the Display Unit
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	<pre>Installation of the DMC (1WT1,1WT2,1WT3)</pre>
AMM	34-10-00-860-002	ADIRS Start Procedure
AMM	34-10-00-860-005	ADIRS Stop Procedure
AMM	34-41-33-000-004	Removal of the Weather Radar Transceiver (1SQ1, 1SQ2)
AMM	34-41-33-400-003	Installation of the Weather Radar Transceiver (1SQ1,
		1SQ2)
ASM	31-61/00	
ASM	31-62/00	
ASM	34-41/00	

3. Fault Confirmation

WARNING : MAKE SURE THAT:

-ALL PERSONS ARE MORE THAN 5 METERS (16.4FT) FROM THE ANTENNA.
-NO PERSON IS IN THE AREA MADE BY AN ARC OF 135° ON EACH SIDE OF THE AIRCRAFT CENTERLINE. -THERE IS A MINIMUM SAFETY DISTANCE OF 5 METERS (16.4FT) BETWEEN THE AIRCRAFT AND ANY OBSTACLE IN THE AREA MADE BY AN ARC OF 90° ON EACH SIDE OF THE AIRCRAFT CENTERLINE.

THE AIRCRAFT MUST NOT BE IN A HANGAR OR CLOSED AREA.

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R

- A. Aircraft Maintenance Configuration
 - (1) Energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-861-002)
 - (2) Do the ADIRS start procedure (Ref. AMM TASK 34-10-00-860-002)
 - (3) On the EFIS control panel of the FCU:set the mode selector switches to ARC
 - (4) on the center pedestal, on the WEATHER RADAR CONTROL-UNIT (3SQ), start the weather radar system.
 - (5) On the CAPT EFIS switching panel 301VU:
 - push the PFD/ND/XFR pushbutton switch until the CAPT ND comes into view on the CAPT PFD DU
 - make sure that the PFD potentiometer (7WT1) is in the center position.
- B. Make sure that this(these) circuit breaker(s) is(are) closed:

	PANEL	DESIGNATION	IDENT.	LOCATION
R	_	COM NAV/RADAR/2 COM NAV/RADAR/1	5SQ2 5SQ1	K14 K13

R

- C. Test
 Do the EIS system test (Ref. AMM TASK 31-60-00-740-004)
- D. Put the aircraft back to its initial configuration.
 - (1) Do the ADIRS stop procedure (Ref. AMM TASK 34-10-00-860-005)
 - (2) De-energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-862-002)

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4. Fault Isolation

R

- A. If the test gives the maintenance message WXR1(1SQ1)/WXR2(1SQ2)/DU PFD CAPT (2WT1)/DMC3(1WT3):
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) (Ref. AMM TASK 31-63-34-400-001)
 - (1) If the fault continues:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) (Ref. AMM TASK 31-63-22-400-001)
 - (2) If the fault continues:
 - replace the XCVR-WEATHER RADAR, 1 (1SQ1) and the XCVR-WEATHER
 RADAR, 2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004) (Ref. AMM TASK 34-41-33-400-003)
 - (3) If the fault continues:
 - remove the DMC3 (1WT3) (Ref. AMM TASK 31-63-34-000-001)
 - remove the CAPT PFD DU (2WT1) (Ref. AMM TASK 31-63-22-000-001)
 - remove the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004)
 - (a) Check the wiring of the WXR1 OUTPUT BUS from the DMC3 (1WT3) pins AB/14B, 14C to the CAPT PFD DU (2WT1) (Ref. ASM 31-61/00)
 - (b) Check the wiring between the DMC3 (1WT3) and the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (SQ2) (Ref. ASM 31-62/00) (Ref. ASM 34-41/00)
 - install the DMC3 (1WT3) (Ref. AMM TASK 31-63-34-400-001)
 - install the CAPT PFD DU (2WT1) (Ref. AMM TASK 31-63-22-400-001)
 - install the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (1SQ2) (Ref. AMM TASK 34-41-33-400-003)

R

B. Do the test given in Para. 3.A.

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TASK 31-63-81-810-892

R Loss of the Weather Radar Picture detected by DMC 1 when the ND is shown on the R F/O PFD DU

1. Possible Causes

- DMC-1 (1WT1)
- PFD-F/0 (2WT2)
- XCVR-WEATHER RADAR, 1 (1SQ1)
- XCVR-WEATHER RADAR, 2 (1SQ2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION		
AMM	24-41-00-861-002	Energize the Aircraft Electrical Circuits from the		
		External Power		
AMM	24-41-00-862-002	De-energize the Aircraft Electrical Circuits Supplied		
		from the External Power		
AMM	31-60-00-740-004	EIS System Test		
AMM	31-63-22-000-001	Removal of the Display Unit		
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)		
AMM	31-63-22-400-001	Installation of the Display Unit		
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)		
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)		
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)		
AMM	34-10-00-860-002	ADIRS Start Procedure		
AMM	34-10-00-860-005	ADIRS Stop Procedure		
AMM	34-41-33-000-004	Removal of the Weather Radar Transceiver (1SQ1, 1SQ2)		
AMM	34-41-33-400-003	Installation of the Weather Radar Transceiver (1SQ1,		
		1SQ2)		
ASM	31-61/00			
ASM	31-62/00			
ASM				

3. Fault Confirmation

WARNING : MAKE SURE THAT:

-ALL PERSONS ARE MORE THAN 5 METERS (16.4FT) FROM THE ANTENNA.
-NO PERSON IS IN THE AREA MADE BY AN ARC OF 135° ON EACH SIDE OF THE AIRCRAFT CENTERLINE. -THERE IS A MINIMUM SAFETY DISTANCE OF 5 METERS (16.4FT) BETWEEN THE AIRCRAFT AND ANY OBSTACLE IN THE AREA MADE BY AN ARC OF 90° ON EACH SIDE OF THE AIRCRAFT CENTERLINE. THE AIRCRAFT MUST NOT BE IN A HANGAR OR CLOSED AREA.

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- A. Aircraft Maintenance Configuration
 - (1) Energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-861-002)
 - (2) Do the ADIRS start procedure (Ref. AMM TASK 34-10-00-860-002)
 - (3) On the EFIS control panel of the FCU:set the mode selector switches to ARC
 - (4) on the center pedestal, on the WEATHER RADAR CONTROL-UNIT (3SQ), start the weather radar system.
 - (5) On the FO EFIS switching panel 500VU:
 - push the PFD/ND/XFR pushbutton switch until the FO ND comes into view on the FO PFD DU
 - make sure that the FO PFD potentiometer (8WT1) is in the center position.
- B. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/RADAR/2 5SQ2 K14
121VU COM NAV/RADAR/1 5SQ1 K13

- C. Test
 Do the EIS system test (Ref. AMM TASK 31-60-00-740-004)
- D. Put the aircraft back to its initial configuration.
 - (1) Do the ADIRS stop procedure (Ref. AMM TASK 34-10-00-860-005)
 - (2) De-energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-862-002)

4. Fault Isolation

- A. If the test gives the maintenance message WXR1(1SQ1)/WXR2(1SQ2)/DU PFD FO(2WT2)/DMC1 (1WT1):
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) (Ref. AMM TASK 31-63-34-400-001)
 - (1) If the fault continues:
 - replace the PFD-F/0 (2WT2) (Ref. AMM TASK 31-63-22-000-001) (Ref. AMM TASK 31-63-22-400-001)
 - (2) If the fault continues:
 - replace the XCVR-WEATHER RADAR, 1 (1SQ1) and the XCVR-WEATHER
 RADAR, 2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004) (Ref. AMM TASK 34-41-33-400-003)

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- (3) If the fault continues:
 - remove the DMC1 (1WT1) (Ref. AMM TASK 31-63-34-000-001)
 - remove the FO PFD DU (2WT2) (Ref. AMM TASK 31-63-22-000-001)
 - remove the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004)
 - (a) Check the wiring of the WXR1 OUTPUT BUS from the DMC1 (1WT1) pins AB/14B, 14C to the FO PFD DU (2WT2) (Ref. ASM 31-61/00)
 - (b) Check the wiring between the DMC1 (1WT1) and the WEATHER RADAR-XCVR 1 (1SQ1) and the WEATHER RADAR-XCVR 2 (1SQ2) (Ref. ASM 31-62/00) (Ref. ASM 34-41/00)
 - install the DMC1 (1WT1) (Ref. AMM TASK 31-63-34-400-001)
 - install the FO PFD DU (2WT2) (Ref. AMM TASK 31-63-22-400-001)
 - install the WEATHER RADAR-XCVR 1 (1SQ1) and the WEATHER RADAR-XCVR 2 (1SQ2) (Ref. AMM TASK 34-41-33-400-003)
- B. Do the test given in Para. 3.A.

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-893

R Loss of the Weather Radar Picture detected by DMC 2 when the ND is shown on the R F/O PFD DU

1. Possible Causes

- DMC-2 (1WT2)
- PFD-F/0 (2WT2)
- XCVR-WEATHER RADAR, 1 (1SQ1)
- XCVR-WEATHER RADAR, 2 (1SQ2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	24-41-00-861-002	Energize the Aircraft Electrical Circuits from the
		External Power
AMM	24-41-00-862-002	De-energize the Aircraft Electrical Circuits Supplied
		from the External Power
AMM	31-60-00-740-004	EIS System Test
AMM	31-63-22-000-001	Removal of the Display Unit
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	Installation of the Display Unit
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)
AMM	34-10-00-860-002	ADIRS Start Procedure
AMM	34-10-00-860-005	ADIRS Stop Procedure
AMM	34-41-33-000-004	Removal of the Weather Radar Transceiver (1SQ1, 1SQ2)
AMM	34-41-33-400-003	Installation of the Weather Radar Transceiver (1SQ1,
		1SQ2)
ASM	31-61/00	
ASM	31-62/00	
ASM	34-41/00	

3. Fault Confirmation

WARNING : MAKE SURE THAT:

-ALL PERSONS ARE MORE THAN 5 METERS (16.4FT) FROM THE ANTENNA.
-NO PERSON IS IN THE AREA MADE BY AN ARC OF 135° ON EACH SIDE OF THE AIRCRAFT CENTERLINE. -THERE IS A MINIMUM SAFETY DISTANCE OF 5 METERS (16.4FT) BETWEEN THE AIRCRAFT AND ANY OBSTACLE IN THE AREA MADE BY AN ARC OF 90° ON EACH SIDE OF THE AIRCRAFT CENTERLINE. THE AIRCRAFT MUST NOT BE IN A HANGAR OR CLOSED AREA.

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R

- A. Aircraft Maintenance Configuration
 - (1) Energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-861-002)
 - (2) Do the ADIRS start procedure (Ref. AMM TASK 34-10-00-860-002)
 - (3) On the EFIS control panel of the FCU:
 set the mode selector switches to ARC
 - (4) on the center pedestal, on the WEATHER RADAR CONTROL-UNIT (3SQ), start the weather radar system.
 - (5) On the FO EFIS switching panel 500VU:
 - push the PFD/ND/XFR pushbutton switch until the FO ND comes into view on the FO PFD DU
 - make sure that the FO PFD potentiometer (8WT1) is in the center position.
- B. Make sure that this(these) circuit breaker(s) is(are) closed:

	PANEL	DESIGNATION	IDENT.	LOCATION
R	_	COM NAV/RADAR/2 COM NAV/RADAR/1	5SQ2 5SQ1	K14 K13

R

- C. Test
 Do the EIS system test (Ref. AMM TASK 31-60-00-740-004)
- D. Put the aircraft back to its initial configuration.
 - (1) Do the ADIRS stop procedure (Ref. AMM TASK 34-10-00-860-005)
 - (2) De-energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-862-002)

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4. Fault Isolation

R

- A. If the test gives the maintenance message WXR1(1SQ1)/WXR2(1SQ2)/DU PFD FO(2WT2)/DMC2 (1WT2):
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) (Ref. AMM TASK 31-63-34-400-001)
 - (1) If the fault continues:
 - replace the PFD-F/0 (2WT2) (Ref. AMM TASK 31-63-22-000-001) (Ref. AMM TASK 31-63-22-400-001)
 - (2) If the fault continues:
 - replace the XCVR-WEATHER RADAR, 1 (1SQ1) and the XCVR-WEATHER
 RADAR, 2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004) (Ref. AMM TASK 34-41-33-400-003)
 - (3) If the fault continues:
 - remove the DMC2 (1WT2) (Ref. AMM TASK 31-63-34-000-001)
 - remove the FO PFD DU (2WT2) (Ref. AMM TASK 31-63-22-000-001)
 - remove the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004)
 - (a) Check the wiring of the WXR1 OUTPUT BUS from the DMC2 (1WT2) pins AB/14B, 14C to the FO PFD DU (2WT2) (Ref. ASM 31-61/00)
 - (b) Check the wiring between the DMC2 (1WT2) and the WEATHER RADAR-XCVR 1 (1SQ1) and the WEATHER RADAR-XCVR 2 (1SQ2) (Ref. ASM 31-62/00) (Ref. ASM 34-41/00)
 - install the DMC2 (1WT2) (Ref. AMM TASK 31-63-34-400-001)
 - install the FO PFD DU (2WT1) (Ref. AMM TASK 31-63-22-400-001)
 - install the WEATHER RADAR-XCVR 1 (1SQ1) and the WEATHER RADAR-XCVR 2 (1SQ2) (Ref. AMM TASK 34-41-33-400-003)

R

B. Do the test given in Para. 3.A.

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-894

R Loss of the Weather Radar Picture detected by DMC 3 when the ND is shown on the R F/O PFD DU

1. Possible Causes

- DMC-3 (1WT3)
- PFD-F/0 (2WT2)
- XCVR-WEATHER RADAR, 1 (1SQ1)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM	24-41-00-861-002	Energize the Aircraft Electrical Circuits from the External Power	
AMM	24-41-00-862-002	De-energize the Aircraft Electrical Circuits Supplied from the External Power	
AMM	31-60-00-740-004	EIS System Test	
AMM	31-63-22-000-001	Removal of the Display Unit	
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	Installation of the Display Unit	
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
AMM	34-10-00-860-002	ADIRS Start Procedure	
AMM	34-10-00-860-005	ADIRS Stop Procedure	
AMM	34-41-33-000-004	Removal of the Weather Radar Transceiver (1SQ1, 1SQ2)	
AMM	34-41-33-400-003	Installation of the Weather Radar Transceiver (1SQ1,	
		1SQ2)	
ASM	31-61/00		
ASM	31-62/00		
ASM	34-41/00		

3. Fault Confirmation

WARNING : MAKE SURE THAT:

-ALL PERSONS ARE MORE THAN 5 METERS (16.4FT) FROM THE ANTENNA.
-NO PERSON IS IN THE AREA MADE BY AN ARC OF 135° ON EACH SIDE OF
THE AIRCRAFT CENTERLINE. -THERE IS A MINIMUM SAFETY DISTANCE OF 5
METERS (16.4FT) BETWEEN THE AIRCRAFT AND ANY OBSTACLE IN THE AREA
MADE BY AN ARC OF 90° ON EACH SIDE OF THE AIRCRAFT CENTERLINE.
THE AIRCRAFT MUST NOT BE IN A HANGAR OR CLOSED AREA.

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TROUBLE SHOOTING MANUAL

- A. Aircraft Maintenance Configuration
 - (1) Energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-861-002)
 - (2) Do the ADIRS start procedure (Ref. AMM TASK 34-10-00-860-002)
 - (3) On the EFIS control panel of the FCU:set the mode selector switches to ARC
 - (4) on the center pedestal, on the WEATHER RADAR CONTROL-UNIT (3SQ), start the weather radar system.
 - (5) On the FO EFIS switching panel 500VU:
 - push the PFD/ND/XFR pushbutton switch until the FO ND comes into view on the FO PFD DU
 - make sure that the FO PFD potentiometer (8WT1) is in the center position.
- B. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/RADAR/2 5SQ2 K14
121VU COM NAV/RADAR/1 5SQ1 K13

- C. Test
 Do the EIS system test (Ref. AMM TASK 31-60-00-740-004)
- D. Put the aircraft back to its initial configuration.
 - (1) Do the ADIRS stop procedure (Ref. AMM TASK 34-10-00-860-005)
 - (2) De-energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-862-002)

4. Fault Isolation

- A. If the test gives the maintenance message WXR1(1SQ1)/DU PFD FO(2WT2)/DMC3 (1WT3):
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) (Ref. AMM TASK 31-63-34-400-001)
 - (1) If the fault continues:
 - replace the PFD-F/0 (2WT2) (Ref. AMM TASK 31-63-22-000-001) (Ref. AMM TASK 31-63-22-400-001)
 - (2) If the fault continues:
 - replace the XCVR-WEATHER RADAR, 1 (1SQ1) (Ref. AMM TASK 34-41-33-000-004) (Ref. AMM TASK 34-41-33-400-003)

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- (3) If the fault continues:
 - remove the DMC3 (1WT3) (Ref. AMM TASK 31-63-34-000-001)
 - remove the FO PFD DU (2WT2) (Ref. AMM TASK 31-63-22-000-001)
 - remove the WEATHER RADAR-XCVR1 (1SQ1) (Ref. AMM TASK 34-41-33-000-004)
 - (a) Check the wiring of the WXR1 OUTPUT BUS from the DMC3 (1WT3) pins AB/14B, 14C to the FO PFD DU (2WT2) (Ref. ASM 31-61/00)
 - (b) Check the wiring between the DMC3 (1WT3) and the WEATHER RADAR-XCVR 1 (1SQ1) (Ref. ASM 31-62/00) (Ref. ASM 34-41/00)
 - install the DMC3 (1WT3) (Ref. AMM TASK 31-63-34-400-001)
 - install the FO PFD DU (2WT1) (Ref. AMM TASK 31-63-22-400-001)
 - install the WEATHER RADAR-XCVR1 (1SQ1) (Ref. AMM TASK 34-41-33-400-003)
- B. Do the test given in Para. 3.A.

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-895

Loss of the Weather Radar Picture detected by DMC 1 when the ND is shown on the CAPT ND $\overline{\text{DU}}$

1. Possible Causes

- DMC-1 (1WT1)
- ND-CAPT (3WT1)
- XCVR-WEATHER RADAR, 1 (1SQ1)
- XCVR-WEATHER RADAR, 2 (1SQ2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	24-41-00-861-002	Energize the Aircraft Electrical Circuits from the
		External Power
AMM	24-41-00-862-002	De-energize the Aircraft Electrical Circuits Supplied
		from the External Power
AMM	31-60-00-740-004	EIS System Test
AMM	31-63-22-000-001	Removal of the Display Unit
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	Installation of the Display Unit
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)
AMM	34-10-00-860-002	ADIRS Start Procedure
AMM	34-10-00-860-005	ADIRS Stop Procedure
AMM	34-41-33-000-004	Removal of the Weather Radar Transceiver (1SQ1, 1SQ2)
AMM	34-41-33-400-003	Installation of the Weather Radar Transceiver (1SQ1,
		1SQ2)
ASM	31-61/00	
ASM	31-62/00	
ASM	34-41/00	

3. Fault Confirmation

WARNING : MAKE SURE THAT:

-ALL PERSONS ARE MORE THAN 5 METERS (16.4FT) FROM THE ANTENNA. -NO PERSON IS IN THE AREA MADE BY AN ARC OF 135° ON EACH SIDE OF THE AIRCRAFT CENTERLINE. -THERE IS A MINIMUM SAFETY DISTANCE OF 5 METERS (16.4FT) BETWEEN THE AIRCRAFT AND ANY OBSTACLE IN THE AREA MADE BY AN ARC OF 90° ON EACH SIDE OF THE AIRCRAFT CENTERLINE.

THE AIRCRAFT MUST NOT BE IN A HANGAR OR CLOSED AREA.

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R

- A. Aircraft Maintenance Configuration
 - (1) Energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-861-002)
 - (2) Do the ADIRS start procedure (Ref. AMM TASK 34-10-00-860-002)
 - (3) On the EFIS control panel of the FCU: - set the mode selector switches to ARC
 - (4) on the center pedestal, on the WEATHER RADAR CONTROL-UNIT (3SQ), start the weather radar system.
 - (5) On the CAPT EFIS switching panel 301VU: - make sure that the ND potentiometer (8WT1) is in the center position.
- B. Make sure that this(these) circuit breaker(s) is(are) closed:

IDENT. LOCATION PANEL DESIGNATION ______ 121VU COM NAV/RADAR/2 R 5**SQ**2 K14 121VU COM NAV/RADAR/1 5SQ1 K13

R

- C. Test Do the EIS system test (Ref. AMM TASK 31-60-00-740-004)
- D. Put the aircraft back to its initial configuration.
 - (1) Do the ADIRS stop procedure (Ref. AMM TASK 34-10-00-860-005)
 - (2) De-energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-862-002)

R

4. Fault Isolation

R

- A. If the test gives the maintenance message WXR1(1SQ1)/WXR2(1SQ2)/DU ND CAPT (2WT1)/DMC1(1WT1):
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) (Ref. AMM TASK 31-63-34-400-001)
 - (1) If the fault continues:
 - replace the ND-CAPT (3WT1) (Ref. AMM TASK 31-63-22-000-001) (Ref. AMM TASK 31-63-22-400-001)

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- (2) If the fault continues:
 - replace the XCVR-WEATHER RADAR, 1 (1SQ1) and the XCVR-WEATHER RADAR, 2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004) (Ref. AMM TASK 34-41-33-400-003)
- (3) If the fault continues:
 - remove the DMC1 (1WT1) (Ref. AMM TASK 31-63-34-000-001)
 - remove the CAPT ND DU (3WT1) (Ref. AMM TASK 31-63-22-000-001)
 - remove the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004)
 - (a) Check the wiring of the WXR1 OUTPUT BUS from the DMC1 (1WT1) pins AB/14B, 14C to the CAPT ND DU (3WT1) (Ref. ASM 31-61/00)
 - (b) Check the wiring between the DMC1 (1WT1) and the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (SQ2) (Ref. ASM 31-62/00) (Ref. ASM 34-41/00)
 - install the DMC1 (1WT1) (Ref. AMM TASK 31-63-34-400-001)
 - install the CAPT ND DU (3WT1) (Ref. AMM TASK 31-63-22-400-001)
 - install the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (1SQ2) (Ref. AMM TASK 34-41-33-400-003)

R

B. Do the test given in Para. 3.A.

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TASK 31-63-81-810-896

Loss of the Weather Radar Picture detected by DMC 2 when the ND is shown on the CAPT ND $\overline{\text{DU}}$

- 1. Possible Causes
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 24-41-00-861-002	Energize the Aircraft Electrical Circuits from the External Power
AMM 24-41-00-862-002	De-energize the Aircraft Electrical Circuits Supplied from the External Power
AMM 31-60-00-740-004	EIS System Test
AMM 34-10-00-860-002	ADIRS Start Procedure
AMM 34-10-00-860-005	ADIRS Stop Procedure

3. Fault Confirmation

WARNING : MAKE SURE THAT:

-ALL PERSONS ARE MORE THAN 5 METERS (16.4FT) FROM THE ANTENNA.
-NO PERSON IS IN THE AREA MADE BY AN ARC OF 135° ON EACH SIDE OF THE AIRCRAFT CENTERLINE. -THERE IS A MINIMUM SAFETY DISTANCE OF 5 METERS (16.4FT) BETWEEN THE AIRCRAFT AND ANY OBSTACLE IN THE AREA MADE BY AN ARC OF 90° ON EACH SIDE OF THE AIRCRAFT CENTERLINE. THE AIRCRAFT MUST NOT BE IN A HANGAR OR CLOSED AREA.

R

- A. Aircraft Maintenance Configuration
 - (1) Energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-861-002)
 - (2) Do the ADIRS start procedure (Ref. AMM TASK 34-10-00-860-002)
 - (3) On the EFIS control panel of the FCU:set the mode selector switches to ARC
 - (4) on the center pedestal, on the WEATHER RADAR CONTROL-UNIT (3SQ), start the weather radar system.
 - (5) On the CAPT EFIS switching panel 301VU:- make sure that the ND potentiometer (8WT1) is in the center position.

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B. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION 121VU COM NAV/RADAR/2 5SQ2 K14 5SQ1 121VU COM NAV/RADAR/1 K13

- C. Test Do the EIS system test (Ref. AMM TASK 31-60-00-740-004)
- D. Put the aircraft back to its initial configuration.
 - (1) Do the ADIRS stop procedure (Ref. AMM TASK 34-10-00-860-005)
 - (2) De-energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-862-002)
- 4. Fault Isolation
 - A. Do the test given in Para. 3.A.

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TASK 31-63-81-810-897

Loss of the Weather Radar Picture detected by DMC ${\bf 3}$ when the ND is shown on the CAPT ND DU

1. Possible Causes

- DMC-3 (1WT3)
- ND-CAPT (3WT1)
- XCVR-WEATHER RADAR, 1 (1SQ1)
- XCVR-WEATHER RADAR, 2 (1SQ2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	24-41-00-861-002	Energize the Aircraft Electrical Circuits from the External Power
AMM	24-41-00-862-002	<pre>De-energize the Aircraft Electrical Circuits Supplied from the External Power</pre>
AMM	31-60-00-740-004	EIS System Test
AMM	31-63-22-000-001	Removal of the Display Unit
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	Installation of the Display Unit
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	<pre>Installation of the DMC (1WT1,1WT2,1WT3)</pre>
AMM	34-10-00-860-002	ADIRS Start Procedure
AMM	34-10-00-860-005	ADIRS Stop Procedure
AMM	34-41-33-000-004	Removal of the Weather Radar Transceiver (1SQ1, 1SQ2)
AMM	34-41-33-400-003	Installation of the Weather Radar Transceiver (1SQ1,
		1SQ2)
ASM	31-61/00	
ASM	31-62/00	
ASM	34-41/00	

3. Fault Confirmation

WARNING : MAKE SURE THAT:

-ALL PERSONS ARE MORE THAN 5 METERS (16.4FT) FROM THE ANTENNA. -NO PERSON IS IN THE AREA MADE BY AN ARC OF 135° ON EACH SIDE OF THE AIRCRAFT CENTERLINE. -THERE IS A MINIMUM SAFETY DISTANCE OF 5 METERS (16.4FT) BETWEEN THE AIRCRAFT AND ANY OBSTACLE IN THE AREA MADE BY AN ARC OF 90° ON EACH SIDE OF THE AIRCRAFT CENTERLINE.

THE AIRCRAFT MUST NOT BE IN A HANGAR OR CLOSED AREA.

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- A. Aircraft Maintenance Configuration
 - (1) Energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-861-002)
 - (2) Do the ADIRS start procedure (Ref. AMM TASK 34-10-00-860-002)
 - (3) On the EFIS control panel of the FCU:set the mode selector switches to ARC
 - (4) on the center pedestal, on the WEATHER RADAR CONTROL-UNIT (3SQ), start the weather radar system.
 - (5) On the CAPT EFIS switching panel 301VU:- make sure that the ND potentiometer (8WT1) is in the center position.
- B. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/RADAR/2 5SQ2 K14

121VU COM NAV/RADAR/1 5SQ1 K13

- C. Test
 Do the EIS system test (Ref. AMM TASK 31-60-00-740-004)
- D. Put the aircraft back to its initial configuration.
 - (1) Do the ADIRS stop procedure (Ref. AMM TASK 34-10-00-860-005)
 - (2) De-energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-862-002)
- 4. Fault Isolation
 - A. If the test gives the maintenance message WXR1(1SQ1)/WXR2(1SQ2)/DU ND CAPT (2WT1)/DMC3(1WT3):
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) (Ref. AMM TASK 31-63-34-400-001)
 - (1) If the fault continues:
 - replace the ND-CAPT (3WT1) (Ref. AMM TASK 31-63-22-000-001) (Ref. AMM TASK 31-63-22-400-001)

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- (2) If the fault continues:
 - replace the XCVR-WEATHER RADAR, 1 (1SQ1) and the XCVR-WEATHER
 RADAR, 2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004) (Ref. AMM TASK 34-41-33-400-003)
- (3) If the fault continues:
 - remove the DMC3 (1WT3) (Ref. AMM TASK 31-63-34-000-001)
 - remove the CAPT ND DU (3WT1) (Ref. AMM TASK 31-63-22-000-001)
 - remove the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004)
 - (a) Check the wiring of the WXR1 OUTPUT BUS from the DMC3 (1WT3) pins AB/14B, 14C to the CAPT ND DU (3WT1) (Ref. ASM 31-61/00)
 - (b) Check the wiring between the DMC3 (1WT3) and the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (SQ2) (Ref. ASM 31-62/00) (Ref. ASM 34-41/00)
 - install the DMC3 (1WT3) (Ref. AMM TASK 31-63-34-400-001)
 - install the CAPT ND DU (3WT1) (Ref. AMM TASK 31-63-22-400-001)
 - install the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (1SQ2) (Ref. AMM TASK 34-41-33-400-003)
- B. Do the test given in Para. 3.A.

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TASK 31-63-81-810-898

R Loss of the Weather Radar Picture detected by DMC 1 when the ND is shown on the R F/O ND DU

1. Possible Causes

- DMC-1 (1WT1)
- ND-F/O (3WT2)
- XCVR-WEATHER RADAR, 1 (1SQ1)
- XCVR-WEATHER RADAR, 2 (1SQ2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION		
AMM	24-41-00-861-002	Energize the Aircraft Electrical Circuits from the		
		External Power		
AMM	24-41-00-862-002	De-energize the Aircraft Electrical Circuits Supplied		
		from the External Power		
AMM	31-60-00-740-004	EIS System Test		
AMM	31-63-22-000-001	Removal of the Display Unit		
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)		
AMM	31-63-22-400-001	Installation of the Display Unit		
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)		
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)		
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)		
AMM	34-10-00-860-002	ADIRS Start Procedure		
AMM	34-10-00-860-005	ADIRS Stop Procedure		
AMM	34-41-33-000-004	Removal of the Weather Radar Transceiver (1SQ1, 1SQ2)		
AMM	34-41-33-400-003	Installation of the Weather Radar Transceiver (1SQ1,		
		1SQ2)		
ASM	31-61/00			
ASM	31-62/00			
ASM				

3. Fault Confirmation

WARNING : MAKE SURE THAT:

-ALL PERSONS ARE MORE THAN 5 METERS (16.4FT) FROM THE ANTENNA.
-NO PERSON IS IN THE AREA MADE BY AN ARC OF 135° ON EACH SIDE OF THE AIRCRAFT CENTERLINE. -THERE IS A MINIMUM SAFETY DISTANCE OF 5 METERS (16.4FT) BETWEEN THE AIRCRAFT AND ANY OBSTACLE IN THE AREA MADE BY AN ARC OF 90° ON EACH SIDE OF THE AIRCRAFT CENTERLINE. THE AIRCRAFT MUST NOT BE IN A HANGAR OR CLOSED AREA.

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R

- A. Aircraft Maintenance Configuration
 - (1) Energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-861-002)
 - (2) Do the ADIRS start procedure (Ref. AMM TASK 34-10-00-860-002)
 - (3) On the EFIS control panel of the FCU: - set the mode selector switches to ARC
 - (4) on the center pedestal, on the WEATHER RADAR CONTROL-UNIT (3SQ), start the weather radar system.
 - (5) On the FO EFIS switching panel 500VU:
 - make sure that the FO ND potentiometer (8WT2) is in the center position.
- B. Make sure that this(these) circuit breaker(s) is(are) closed:

IDENT. LOCATION PANEL DESIGNATION ______ 121VU COM NAV/RADAR/2 R 5**SQ**2 K14 121VU COM NAV/RADAR/1 5SQ1 K13

R

- C. Test Do the EIS system test (Ref. AMM TASK 31-60-00-740-004)
- D. Put the aircraft back to its initial configuration.
 - (1) Do the ADIRS stop procedure (Ref. AMM TASK 34-10-00-860-005)
 - (2) De-energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-862-002)

R

4. Fault Isolation

R

- A. If the test gives the maintenance message WXR1(1SQ1)/WXR2(1SQ2)/DU ND FO(3WT2)/DMC1 (1WT1):
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) (Ref. AMM TASK 31-63-34-400-001)
 - (1) If the fault continues:
 - replace the ND-F/O (3WT2) (Ref. AMM TASK 31-63-22-000-001) (Ref. AMM TASK 31-63-22-400-001)

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- (2) If the fault continues:
 - replace the XCVR-WEATHER RADAR, 1 (1SQ1) and the XCVR-WEATHER
 RADAR, 2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004) (Ref. AMM TASK 34-41-33-400-003)
- (3) If the fault continues:
 - remove the DMC1 (1WT1) (Ref. AMM TASK 31-63-34-000-001)
 - remove the FO ND DU (3WT2) (Ref. AMM TASK 31-63-22-000-001)
 - remove the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004)
 - (a) Check the wiring of the WXR1 OUTPUT BUS from the DMC1 (1WT1) pins AB/14B, 14C to the FO ND DU (3WT2) (Ref. ASM 31-61/00)
 - (b) Check the wiring between the DMC1 (1WT1) and the WEATHER RADAR-XCVR 1 (1SQ1) and the WEATHER RADAR-XCVR 2 (1SQ2) (Ref. ASM 31-62/00) (Ref. ASM 34-41/00)
 - install the DMC1 (1WT1) (Ref. AMM TASK 31-63-34-400-001)
 - install the FO ND DU (3WT2) (Ref. AMM TASK 31-63-22-400-001)
 - install the WEATHER RADAR-XCVR 1 (1SQ1) and the WEATHER RADAR-XCVR 2 (1SQ2) (Ref. AMM TASK 34-41-33-400-003)

R

B. Do the test given in Para. 3.A.

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TASK 31-63-81-810-899

R Loss of the Weather Radar Picture detected by DMC 2 when the ND is shown on the R F/O ND DU

1. Possible Causes

- DMC-2 (1WT2)
- ND-F/O (3WT2)
- XCVR-WEATHER RADAR, 1 (1SQ1)
- XCVR-WEATHER RADAR, 2 (1SQ2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	24-41-00-861-002	Energize the Aircraft Electrical Circuits from the
		External Power
AMM	24-41-00-862-002	De-energize the Aircraft Electrical Circuits Supplied
		from the External Power
AMM	31-60-00-740-004	EIS System Test
AMM	31-63-22-000-001	Removal of the Display Unit
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	Installation of the Display Unit
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)
AMM	34-10-00-860-002	ADIRS Start Procedure
AMM	34-10-00-860-005	ADIRS Stop Procedure
AMM	34-41-33-000-004	Removal of the Weather Radar Transceiver (1SQ1, 1SQ2)
AMM	34-41-33-400-003	Installation of the Weather Radar Transceiver (1SQ1,
		1SQ2)
ASM	31-61/00	
ASM	31-62/00	
ASM	34-41/00	

3. Fault Confirmation

WARNING : MAKE SURE THAT:

-ALL PERSONS ARE MORE THAN 5 METERS (16.4FT) FROM THE ANTENNA.
-NO PERSON IS IN THE AREA MADE BY AN ARC OF 135° ON EACH SIDE OF THE AIRCRAFT CENTERLINE. -THERE IS A MINIMUM SAFETY DISTANCE OF 5 METERS (16.4FT) BETWEEN THE AIRCRAFT AND ANY OBSTACLE IN THE AREA MADE BY AN ARC OF 90° ON EACH SIDE OF THE AIRCRAFT CENTERLINE. THE AIRCRAFT MUST NOT BE IN A HANGAR OR CLOSED AREA.

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- A. Aircraft Maintenance Configuration
 - (1) Energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-861-002)
 - (2) Do the ADIRS start procedure (Ref. AMM TASK 34-10-00-860-002)
 - (3) On the EFIS control panel of the FCU:set the mode selector switches to ARC
 - (4) on the center pedestal, on the WEATHER RADAR CONTROL-UNIT (3SQ), start the weather radar system.
 - (5) On the FO EFIS switching panel 500VU:
 - make sure that the FO ND potentiometer (8WT2) is in the center position.
- B. Make sure that this(these) circuit breaker(s) is(are) closed:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/RADAR/2 5SQ2 K14

121VU COM NAV/RADAR/1 5SQ1 K13

- C. Test
 Do the EIS system test (Ref. AMM TASK 31-60-00-740-004)
- D. Put the aircraft back to its initial configuration.
 - (1) Do the ADIRS stop procedure (Ref. AMM TASK 34-10-00-860-005)
 - (2) De-energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-862-002)
- 4. Fault Isolation
 - A. If the test gives the maintenance message WXR1(1SQ1)/WXR2(1SQ2)/DU ND FO(3WT2)/DMC2 (1WT2):
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) (Ref. AMM TASK 31-63-34-400-001)
 - (1) If the fault continues:
 - replace the ND-F/O (3WT2) (Ref. AMM TASK 31-63-22-000-001) (Ref. AMM TASK 31-63-22-400-001)
 - (2) If the fault continues:
 - replace the XCVR-WEATHER RADAR, 1 (1SQ1) and the XCVR-WEATHER
 RADAR, 2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004) (Ref. AMM TASK 34-41-33-400-003)

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- (3) If the fault continues:
 - remove the DMC2 (1WT2) (Ref. AMM TASK 31-63-34-000-001)
 - remove the FO ND DU (3WT2) (Ref. AMM TASK 31-63-22-000-001)
 - remove the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004)
 - (a) Check the wiring of the WXR1 OUTPUT BUS from the DMC2 (1WT2) pins AB/14B, 14C to the FO ND DU (3WT2) (Ref. ASM 31-61/00)
 - (b) Check the wiring between the DMC2 (1WT2) and the WEATHER RADAR-XCVR 1 (1SQ1) and the WEATHER RADAR-XCVR 2 (1SQ2) (Ref. ASM 31-62/00) (Ref. ASM 34-41/00)
 - install the DMC2 (1WT2) (Ref. AMM TASK 31-63-34-400-001)
 - install the FO ND DU (3WT2) (Ref. AMM TASK 31-63-22-400-001)
 - install the WEATHER RADAR-XCVR 1 (1SQ1) and the WEATHER RADAR-XCVR 2 (1SQ2) (Ref. AMM TASK 34-41-33-400-003)
- B. Do the test given in Para. 3.A.

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TROUBLE SHOOTING MANUAL

TASK 31-63-81-810-900

R Loss of the Weather Radar Picture detected by DMC 3 when the ND is shown on the R F/O ND DU

1. Possible Causes

- DMC-3 (1WT3)
- ND-F/O (3WT2)
- XCVR-WEATHER RADAR, 1 (1SQ1)
- XCVR-WEATHER RADAR, 2 (1SQ2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM	24-41-00-861-002	Energize the Aircraft Electrical Circuits from the External Power	
AMM	24-41-00-862-002	De-energize the Aircraft Electrical Circuits Supplied from the External Power	
AMM	31-60-00-740-004	EIS System Test	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
AMM	34-10-00-860-002	ADIRS Start Procedure	
AMM	34-10-00-860-005	ADIRS Stop Procedure	
AMM	34-41-33-000-004	Removal of the Weather Radar Transceiver (1SQ1, 1SQ2)	
AMM	34-41-33-400-003	<pre>Installation of the Weather Radar Transceiver (1SQ1, 1SQ2)</pre>	
ASM	31-61/00		
ASM	31-62/00		
ASM	34-41/00		

3. Fault Confirmation

WARNING : MAKE SURE THAT:

-ALL PERSONS ARE MORE THAN 5 METERS (16.4FT) FROM THE ANTENNA.
-NO PERSON IS IN THE AREA MADE BY AN ARC OF 135° ON EACH SIDE OF THE AIRCRAFT CENTERLINE. -THERE IS A MINIMUM SAFETY DISTANCE OF 5 METERS (16.4FT) BETWEEN THE AIRCRAFT AND ANY OBSTACLE IN THE AREA MADE BY AN ARC OF 90° ON EACH SIDE OF THE AIRCRAFT CENTERLINE. THE AIRCRAFT MUST NOT BE IN A HANGAR OR CLOSED AREA.

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- A. Aircraft Maintenance Configuration
 - (1) Energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-861-002)
 - (2) Do the ADIRS start procedure (Ref. AMM TASK 34-10-00-860-002)
 - (3) On the EFIS control panel of the FCU: - set the mode selector switches to ARC
 - (4) on the center pedestal, on the WEATHER RADAR CONTROL-UNIT (3SQ), start the weather radar system.
 - (5) On the FO EFIS switching panel 500VU: - make sure that the FO ND potentiometer (8WT2) is in the center position.
- B. Make sure that this(these) circuit breaker(s) is(are) closed:

IDENT. LOCATION PANEL DESIGNATION ______ 121VU COM NAV/RADAR/2 R 5**SQ**2 K14 121VU COM NAV/RADAR/1 5SQ1 K13

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- C. Test Do the EIS system test (Ref. AMM TASK 31-60-00-740-004)
- D. Put the aircraft back to its initial configuration.
 - (1) Do the ADIRS stop procedure (Ref. AMM TASK 34-10-00-860-005)
 - (2) De-energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-862-002)

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4. Fault Isolation

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- A. If the test gives the maintenance message WXR1(1SQ1)/WXR2(1SQ2)/DU ND FO(3WT2)/DMC3 (1WT3):
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) (Ref. AMM TASK 31-63-34-400-001)
 - (1) If the fault continues:
 - replace the ND-F/O (3WT2) (Ref. AMM TASK 31-63-22-000-001) (Ref. AMM TASK 31-63-22-400-001)

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- (2) If the fault continues:
 - replace the XCVR-WEATHER RADAR, 1 (1SQ1) and the XCVR-WEATHER RADAR, 2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004) (Ref. AMM TASK 34-41-33-400-003)
- (3) If the fault continues:
 - remove the DMC3 (1WT3) (Ref. AMM TASK 31-63-34-000-001)
 - remove the FO ND DU (3WT2) (Ref. AMM TASK 31-63-22-000-001)
 - remove the WEATHER RADAR-XCVR1 (1SQ1) and the WEATHER RADAR-XCVR2 (1SQ2) (Ref. AMM TASK 34-41-33-000-004)
 - (a) Check the wiring of the WXR1 OUTPUT BUS from the DMC3 (1WT3) pins AB/14B, 14C to the FO ND DU (3WT2) (Ref. ASM 31-61/00)
 - (b) Check the wiring between the DMC3 (1WT3) and the WEATHER RADAR-XCVR 1 (1SQ1) and the WEATHER RADAR-XCVR 2 (1SQ2) (Ref. ASM 31-62/00) (Ref. ASM 34-41/00)
 - install the DMC3 (1WT3) (Ref. AMM TASK 31-63-34-400-001)
 - install the FO ND DU (3WT2) (Ref. AMM TASK 31-63-22-400-001)
 - install the WEATHER RADAR-XCVR 1 (1SQ1) and the WEATHER RADAR-XCVR 2 (1SQ2) (Ref. AMM TASK 34-41-33-400-003)

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B. Do the test given in Para. 3.A.

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DISPLAY MANAGEMENT COMPUTER (DMC) - FAULT ISOLATION PROCEDURES

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TASK 31-63-82-810-801

Loss of the CAPT PFD, CAPT ND and Upper ECAM DU

- 1. Possible Causes
 - DMC-1 (1WT1)
 - DMC-3 (1WT3)
 - wiring

REFERENCE

- C/B-EIS/DMC1/SPLY (10WT1)
- C/B-EIS/DMC3/SWTG (21WT3)
- 2. Job Set-up Information
 - A. Referenced Information

ΔΜΜ	31-60-00-860-001	EIS Start Procedure
A	31 00 00 000 001	Lib Ctar C 11 Occasi C
AMM	31-60-00-860-002	EIS Stop Procedure
	-4 (4 000 004	·
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
ΛММ	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)
AITIT	J 1-0J-J4-400-00 1	This cattacion of the DMC (IMIT, IMIZ, IMIZ)

DESIGNATION

- 3. Fault Confirmation
 - A. Job Set-up

ASM 31-61/02

Do the EIS start procedure (CAPT PFD, CAPT ND and upper ECAM DU only) (Ref. AMM TASK 31-60-00-860-001).

B. Test
Make sure that the display units stay off.

- 4. Fault Isolation
 - A. If the three display units stay off and if the EIS DMC selector switch (18WT) on the SWITCHING panel 8VU is at NORM:
 - (1) Do a check for 115VAC at pin AC/2 of the DMC1 (1WT1) (Ref. ASM 31-61/02).
 - (a) If there is 115VAC:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).

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- (b) If there is no 115VAC:
 - do a check for a ground signal at pin AC/7 of the DMC1 (1WT1).
 - 1 If there is no ground signal:
 - repair the wiring from DMC1 (1WT1) pin AC/7 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from DMC1 (1WT1) pin AC/2 to the circuit breaker (10WT1).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/DMC1/SPLY (10WT1).
- B. If the three display units stay off and if the EIS DMC selector switch (18WT) on the SWITCHING panel 8VU is at CAPT/3:
 - (1) Do a check for 28VDC at pin AC/3 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - (a) If there is 28VDC:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin AC/11 of the DMC3 (1WT3)
 - 1 If there is no ground signal:
 - repair the wiring from DMC3 (1WT3) pin AC/11 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from DMC3 (1WT3) pin AC/3 to the circuit breaker (21WT3).
 - \underline{a} If there is no continuity:
 - repair the wiring.
 - <u>b</u> If there is continuity:
 - replace the C/B-EIS/DMC3/SWTG (21WT3).
- C. Do the EIS start procedure (CAPT PFD, CAPT ND and upper ECAM DU only) (Ref. AMM TASK 31-60-00-860-001) and make sure that the display units come on.
- 5. Close-up
 - A. Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

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TASK 31-63-82-810-802

Loss of F/O PFD, F/O ND and Lower ECAM DU

- 1. Possible Causes
 - DMC-2 (1WT2)
 - DMC-3 (1WT3)
 - wiring
 - C/B-EIS/DMC2/SPLY (10WT2)
 - C/B-EIS/DMC3/SWTG (21WT3)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-860-001	EIS Start Procedure
AMM	31-60-00-860-002	EIS Stop Procedure
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)
ASM	31-61/02	

- 3. Fault Confirmation
 - A. Job Set-up

Do the EIS start procedure (F/O PFD, F/O ND and lower ECAM DU only) (Ref. AMM TASK 31-60-00-860-001).

B. Test

Make sure that the display units stay off.

- 4. Fault Isolation
 - A. If the three display units stay off and if the EIS DMC selector switch (18WT) on the SWITCHING panel 8VU is at NORM:
 - (1) Do a check for 115VAC at pin AC/2 of the DMC2 (1WT2) (Ref. ASM 31-61/02).
 - (a) If there is 115VAC:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).

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- (b) If there is no 115VAC:
 - do a check for a ground signal at pin AC/7 of the DMC2 (1WT2).
 - 1 If there is no ground signal:
 - repair the wiring from DMC2 (1WT2) pin AC/7 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from DMC2 (1WT2) pin AC/2 to the circuit breaker (10WT2).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/DMC2/SPLY (10WT2).
- B. If the three display units stay off and if the EIS DMC selector switch (18WT) on the SWITCHING panel 8VU is at CAPT/3:
 - (1) Do a check for 28VDC at pin AC/3 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - (a) If there is 28VDC:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin AC/11 of the DMC3 (1WT3)
 - 1 If there is no ground signal:
 - repair the wiring from DMC3 (1WT3) pin AC/11 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from DMC3 (1WT3) pin AC/3 to the circuit breaker (21WT3).
 - <u>a</u> If there is no continuity:
 - repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/DMC3/SWTG (21WT3).
- C. Do the EIS start procedure (F/O PFD, F/O ND and lower ECAM DU only) (Ref. AMM TASK 31-60-00-860-001) and make sure that the display units come on.
- 5. Close-up
 - A. Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

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TASK 31-63-82-810-803

Loss of the CAPT PFD

1. Possible Causes

- PFD-CAPT (2WT1)
- DMC-3 (1WT3)
- DMC-1 (1WT1)
- wiring
- C/B-EIS/PFD/CAPT (11WT1)
- POT-PFD, CAPT (7WT1)
- C/B-EIS/PFD/CAPT/SWTG (22WT1)
- RELAY-BUS 1 TO ESS BUS SWTG, DMC3 (26WT)
- C/B-EIS/DMC3/STBY/SPLY (14WT1)
- C/B-EIS/DMC3/SWTG (21WT3)
- SEL SW-EIS DMC (18WT)

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
IPC	316808		
AMM	31-60-00-860-001	EIS Start Procedure	
AMM	31-60-00-860-002	EIS Stop Procedure	
AMM	31-63-22-000-001	Removal of the Display Unit	
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	Installation of the Display Unit	
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM	31-63-34-400-001	<pre>Installation of the DMC (1WT1,1WT2,1WT3)</pre>	
ASM	31-61/02		
ASM	31-68/01		
ASM	31-68/02		

3. Fault Confirmation

A. Job Set-up Do the EIS start procedure (CAPT PFD only) (Ref. AMM TASK 31-60-00-860-001).

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B. Test Make sure that the CAPT PFD stays off.

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4. Fault Isolation

- A. If the CAPT PFD stays off and if the EIS DMC selector switch (18WT) on the SWITCHING panel 8VU is at NORM:
 - (1) Do a check for 115VAC at pin AA/104 of the CAPT PFD (2WT1) (Ref. ASM 31-61/02).
 - (a) If there is 115VAC:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001)
 and (Ref. AMM TASK 31-63-22-400-001).
 - (b) If there is no 115VAC:
 - do a check for a ground signal at pin AA/102 of the CAPT PFD (2WT1).
 - 1 If there is no ground signal:
 - repair the wiring from CAPT PFD (2WT1) pin AA/102 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from CAPT PFD (2WT1) pin AA/104 to the circuit breaker (11WT1).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/PFD/CAPT (11WT1).
 - (2) If the fault continues:
 - do a check of the wiring from CAPT PFD (2WT1) pins AA/49, 50, 51 to CAPT PFD potentiometer (7WT1) pins A/1, 2, 3 (Ref. ASM 31-68/01).
 - (a) If there is continuity:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - 1 If the fault continues:
 - replace the POT-PFD, CAPT (7WT1) (Ref. IPC 316808).
 - (b) If there is no continuity:
 - repair the wiring from CAPT PFD (2WT1) pins AA/49, 50, 51 to CAPT PFD potentiometer (7WT1) pins A/1, 2, 3.

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- B. If the CAPT PFD stays off and if the EIS DMC selector switch (18WT) on the SWITCHING panel 8VU is at CAPT/3:
 - (1) Do a check for 28VDC at pin AA/93 of the CAPT PFD (2WT1) (Ref. ASM 31-61/02).
 - (a) If there is 28VDC:
 - replace the PFD-CAPT (2WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin AA/106 of the CAPT PFD (2WT1).
 - 1 If there is no ground signal:
 - repair the wiring from CAPT PFD (2WT1) pin AA/106 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from CAPT PFD (2WT1) pin AA/93 to the circuit breaker (22WT1).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/PFD/CAPT/SWTG (22WT1).
 - (2) If the fault continues:
 - do a check for 115VAC at pin AC/2 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - (a) If there is 115VAC:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (b) If there is no 115VAC:
 - do a check for a ground signal at pin AC/7 of the DMC3 (1WT3).
 - 1 If there is no ground signal:
 - repair the wiring from DMC3 (1WT3) pin AC/7 to the ground terminal.
 - 2 If there is a ground signal:
 - replace the RELAY-BUS 1 TO ESS BUS SWTG, DMC3 (26WT).
 - a If the fault continues:
 - replace the C/B-EIS/DMC3/STBY/SPLY (14WT1).
 - . If the fault continues:
 - * do a check of the wiring from the DMC3 BUS1 TO ESS BUS SWTG relay (26WT):
 - pin A2 to DMC3 (1WT3) pin AC/2

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- pin A1 to the EIS/DMC3/STBY/SPLY circuit breaker
 (14WT1)
- pin X2 to the BUS 1XP CTL relay (20XN1)
- * repair the wiring which has no continuity.
- (3) If the fault continues:
 - do a check for 28VDC at pin AC/3 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - (a) If there is 28VDC:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin AC/11 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - 1 If there is no ground signal:
 - repair the wiring from DMC3 (1WT3) pin AC/11 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from DMC3 (1WT3) pin AC/3 to the circuit breaker (21WT3) (Ref. ASM 31-61/02).
 - <u>a</u> If there is no continuity:repair the wiring.
 - <u>b</u> If there is continuity:replace the C/B-EIS/DMC3/SWTG (21WT3).
- (4) If the fault continues:
 - do a check for a ground signal at pin AB/8H, 4C of the DMC1 (1WT1).
 - (a) If there is no ground signal:
 - do a check for a ground signal at pin AA/2 of the EIS DMC selector switch (18WT) (Ref. ASM 31-68/02).
 - 1 If there is no ground signal:
 - replace the SEL SW-EIS DMC (18WT).
 - 2 If there is a ground signal:
 - do a check of the wiring from EIS DMC selector switch (18WT) pin 2 to DMC1 (1WT1) pin AB/8H, 4C.
 - <u>a</u> If there is no continuity:repair the wiring.
 - repair the withings
 - b If there is continuity:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001)..

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- (b) If there is a ground signal:
 - do a check for a ground signal at pin AB/4C of the DMC3 (1WT3) (Ref. ASM 31-68/02).
 - 1 If there is no ground signal:
 - do a check of the wiring from DMC3 (1WT3) pin AB/4C to the first terminal block (Ref. ASM 31-68/02).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- C. Do the EIS start procedure (CAPT PFD only) (Ref. AMM TASK 31-60-00-860-001) and make sure that the CAPT PFD comes on.

5. Close-up

A. Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

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TASK 31-63-82-810-804

Loss of the CAPT ND

1. Possible Causes

- ND-CAPT (3WT1)
- DMC-3 (1WT3)
- DMC-1 (1WT1)
- wiring
- C/B-EIS/ND/CAPT (12WT1)
- POT-ND, CAPT (8WT1)
- C/B-EIS/ND/CAPT/SWTG (23WT1)
- RELAY-BUS1 TO ESS BUS SWTG, DMC3 (26WT)
- C/B-EIS/DMC3/STBY/SPLY (14WT1)
- C/B-EIS/DMC3/SWTG (21WT3)
- SEL SW-EIS DMC (18WT)

2. Job Set-up Information

A. Referenced Information

REFERENCE **DESIGNATION** IPC 316808 AMM 31-60-00-860-001 EIS Start Procedure AMM 31-60-00-860-002 EIS Stop Procedure AMM 31-63-22-000-001 Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2) AMM 31-63-22-400-001 Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2) AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3) AMM 31-63-34-400-001 Installation of the DMC (1WT1, 1WT2, 1WT3) ASM 31-61/02 ASM 31-68/01 ASM 31-68/02

3. Fault Confirmation

- A. Job Set-up
 Do the EIS start procedure (CAPT ND only) (Ref. AMM TASK 31-60-00-860001).
- B. Test
 Make sure that the CAPT ND stays off.

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4. Fault Isolation

- A. If the CAPT ND stays off and if the EIS DMC selector switch (18WT) on the SWITCHING panel 8VU is at NORM:
 - (1) Do a check for 115VAC at pin AA/104 of the CAPT ND (3WT1) (Ref. ASM 31-61/02).
 - (a) If there is 115VAC:
 - replace the ND-CAPT (3WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (b) If there is no 115VAC:
 - do a check for a ground signal at pin AA/102 of the CAPT ND (3WT1).
 - 1 If there is no ground signal:
 - repair the wiring from CAPT ND (3WT1) pin AA/102 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from CAPT ND (3WT1) pin AA/104 to the circuit breaker (12WT1).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/ND/CAPT (12WT1).
 - (2) If the fault continues:
 - do a check of the wiring from CAPT ND (3WT1) pins AA/49, 50, 51, 52 to CAPT ND potentiometer (8WT1) pins A/2, 4, 5, 6 (Ref. ASM 31-68/01).
 - (a) If there is continuity:
 - replace the ND-CAPT (3WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - 1 If the fault continues: - replace the POT-ND, CAPT (8WT1) (Ref. IPC 316808).
 - (b) If there is no continuity:
 - repair the wiring from CAPT ND (3WT1) pins AA/49, 50, 51, 52 to CAPT ND potentiometer (8WT1) pins A/2, 4, 5, 6.

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- B. If the CAPT ND stays off and if the EIS DMC selector switch (18WT) on the SWITCHING panel 8VU is at CAPT/3:
 - (1) Do a check for 28VDC at pin AA/93 on the CAPT ND (3WT1) (Ref. ASM 31-61/02).
 - (a) If there is 28VDC:
 - replace the ND-CAPT (3WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin AA/106 of the CAPT ND (3WT1).
 - 1 If there is no ground signal:
 - repair the wiring from CAPT ND (3WT1) pin AA/106 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from CAPT ND (3WT1) pin AA/93 to the circuit breaker (23WT1).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/ND/CAPT/SWTG (23WT1)
 - (2) If the fault continues:
 - do a check for 115VAC at pin AC/2 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - (a) If there is 115VAC:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (b) If there is no 115VAC:
 - do a check for a ground signal at pin AC/7 of the DMC3 (1WT3).
 - 1 If there is no ground signal:
 - repair the wiring from DMC3 (1WT3) pin AC/7 to the ground terminal.
 - 2 If there is a ground signal:
 - replace the RELAY-BUS1 TO ESS BUS SWTG, DMC3 (26WT).
 - a If the fault continues:
 - replace the C/B-EIS/DMC3/STBY/SPLY (14WT1)
 - . If the fault continues:
 - * do a check of the wiring from the DMC3 BUS1 TO ESS BUS SWTG relay (26WT):
 - . pin A2 to DMC3 (1WT3) pin AC/2

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- pin A1 t the EIS/DMC3/STBY/SPLY circuit breaker (14WT1)
- . pin X2 to the BUS 1XP CTL relay (20XN1)
- * repair the wiring which has no continuity.
- (3) If the fault continues:
 - do a check for 28VDC at pin AC/3 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - (a) If there is 28VDC:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin AC/11 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - 1 If there is no ground signal:
 - repair the wiring from DMC3 (1WT3) pin AC/11 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from DMC3 (1WT3) pin AC/3 to the circuit breaker (21WT3) (Ref. ASM 31-61/02).
 - <u>a</u> If there is no continuity:repair the wiring.
 - <u>b</u> If there is continuity:replace the C/B-EIS/DMC3/SWTG (21WT3).
- (4) If the fault continues:
 - do a check for a ground signal at pin AB/8H, 4C of the DMC1 (1WT1).
 - (a) If there is no ground signal:
 - do a check for a ground signal at pin AA/2 of the EIS DMC selector switch (18WT) (Ref. ASM 31-68/02).
 - 1 If there is no ground signal: - replace the SEL SW-EIS DMC (18WT).
 - 2 If there is a ground signal:
 - do a check of the wiring from EIS DMC selector switch (18WT) pin 2 to DMC1 (1WT1) pin AB/8H, 4C.
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) (Ref. AMM TASK 31-63-34-400-001).

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- (b) If there is a ground signal:
 - do a check for a ground signal at pin AB/4C of the DMC3 (1WT3) (Ref. ASM 31-68/02).
 - 1 If there is no ground signal:
 - do a check of the wiring from DMC3 (1WT3) pin AB/4C to the first terminal block (Ref. ASM 31-68/02).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- C. Do the EIS start procedure (CAPT ND only) (Ref. AMM TASK 31-60-00-860-001) and make sure that the CAPT ND comes on.

5. Close-up

A. Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

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TASK 31-63-82-810-805

Loss of the Upper ECAM DU

1. Possible Causes

- DU-ECAM, UPPER (4WT1)
- CTL PNL-ECAM (6WT)
- DMC-3 (1WT3)
- DMC-1 (1WT1)
- wiring
- C/B-EIS/ECAM DU/UPPER/SPLY (13WT1)
- C/B-EIS/ECAM DU/UPPER/SWTG (24WT1)
- RELAY-BUS1 TO ESS BUS SWTG, DMC3 (26WT)
- C/B-EIS/DMC3/SWTG (21WT3)
- SEL SW-EIS DMC (18WT)

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	31-60-00-860-001	EIS Start Procedure
AMM	31-60-00-860-002	EIS Stop Procedure
AMM	31-61-12-000-001	Removal of the ECAM Control Panel (6WT)
AMM	31-61-12-400-001	Installation of the ECAM Control Panel (6WT)
AMM	31-63-22-000-001	Removal of the Display Unit
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-22-400-001	Installation of the Display Unit
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)
ASM	31-61/02	
ASM	31-68/01	
ASM	31-68/02	

3. Fault Confirmation

- A. Job Set-Up
 Do the EIS start procedure (upper ECAM DU only) (Ref. AMM TASK 31-60-00-860-001).
- B. Test Make sure that the upper ECAM DU stays off.

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4. Fault Isolation

- A. If the upper ECAM DU stays off and if the EIS DMC selector switch (18WT) on the SWITCHING panel 8VU is at NORM:
 - (1) Do a check for 115VAC at pin AA/104 of the upper ECAM DU (4WT1) (Ref. ASM 31-61/02).
 - (a) If there is no 115VAC:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (b) If there is 115VAC:
 - do a check for a ground signal at pin AA/102 of the upper ECAM
 DU (4WT1).
 - 1 If there is no ground signal:
 - repair the wiring from upper ECAM DU (4WT1) pin AA/102 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from upper ECAM DU (4WT1) pin AA/104 to the circuit breaker (13WT1).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/ECAM DU/UPPER/SPLY (13WT1).
 - (2) If the fault continues:
 - do a check of the wiring from upper ECAM DU (4WT1) pins AA/49, 50,
 51 to ECAM control panel (6WT) pins A/B, C, U (Ref. ASM 31-68/01).
 - (a) If there is continuity:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - 1 If the fault continues:
 - replace the CTL PNL-ECAM (6WT) (Ref. AMM TASK 31-61-12-000-001) and (Ref. AMM TASK 31-61-12-400-001).
 - (b) If there is no continuity:
 - repair the wiring from upper ECAM DU (4WT1) pins AA/49, 50, 51 to ECAM control panel (6WT) pins A/B, C, U.

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- B. If the upper ECAM DU stays off and if the EIS DMC selector switch (18WT) on the SWITCHING panel 8VU is at CAPT/3:
 - (1) Do a check for 28VDC at pin AA/93 on the upper ECAM DU (4WT1) (Ref. ASM 31-61/02).
 - (a) If there is 28VDC:
 - replace the DU-ECAM, UPPER (4WT1) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin AA/106 of the upper ECAM
 DU (4WT1).
 - 1 If there is no ground signal:
 - repair the wiring from upper ECAM DU (4WT1) pin AA/106 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from upper ECAM DU (4WT1) pin AA/93 to the circuit breaker (24WT1).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/ECAM DU/UPPER/SWTG (24WT1).
 - (2) If the fault continues:
 - do a check for 115VAC at pin AC/2 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - (a) If there is 115VAC:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (b) If there is no 115VAC:
 - do a check for a ground signal at pin AC/7 of the DMC3 (1WT3).
 - 1 If there is no ground signal:
 - repair the wiring from DMC3 (1WT3) pin AC/7 to the ground terminal.
 - 2 If there is a ground signal:
 - replace the RELAY-BUS1 TO ESS BUS SWTG, DMC3 (26WT).
 - a If the fault continues:
 - do a check of the wiring from the DMC3 BUS1 TO ESS BUS SWTG relay (26WT):
 - pin A2 to DMC3 (1WT3) pin AC/2
 - pin A1 to the EIS/DMC3/STBY/SPLY circuit breaker
 (14WT1)

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. pin X2 to the BUS 1XP CTL relay (20XN1), repair the wiring which has no continuity.

- (3) If the fault continues:
 - do a check for 28VDC at pin AC/3 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - (a) If there is 28VDC:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin AC/11 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - 1 If there is no ground signal:
 - repair the wiring from DMC3 (1WT3) pin AC/11 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from DMC3 (1WT3) pin AC/3 to the circuit breaker (21WT3) (Ref. ASM 31-61/02).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/DMC3/SWTG (21WT3).
- (4) If the fault continues:
 - do a check for a ground signal at pin AB/8H, 4C of the DMC1 (1WT1).
 - (a) If there is no ground signal:
 - do a check for a ground signal at pin AA/2 of the EIS DMC selector switch (18WT) (Ref. ASM 31-68/02).
 - 1 If there is no ground signal: - replace the SEL SW-EIS DMC (18WT).
 - 2 If there is a ground signal:
 - do a check of the wiring from EIS DMC selector switch (18WT)
 pin 2 to DMC1 (1WT1) pin AB/8H, 4C.
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).

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- (b) If there is a ground signal:
 - do a check for a ground signal at pin AB/4C of the DMC3 (1WT3) (Ref. ASM 31-68/02).
 - 1 If there is no ground signal:
 - do a check of the wiring from DMC3 (1WT3) pin AB/4C to the first terminal block (Ref. ASM 31-68/02).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- C. Do the EIS start procedure (upper ECAM DU only) (Ref. AMM TASK 31-60-00-860-001) and make sure that the upper ECAM DU comes on.

5. Close-up

A. Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

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TASK 31-63-82-810-806

Loss of the F/O PFD

1. Possible Causes

- PFD-F/0 (2WT2)
- DMC-3 (1WT3)
- DMC-2 (1WT2)
- wiring
- C/B-EIS/PFD/F/O (11WT2)
- POT-PFD, F/O (7WT2)
- C/B-EIS/PFD/F/O/SWTG (22WT2)
- RELAY-BUS1 TO ESS BUS SWTG, DMC3 (26WT)
- C/B-EIS/DMC3/SPLY (10WT3)
- C/B-EIS/DMC3/SWTG (21WT3)
- SEL SW-EIS DMC (18WT)

2. Job Set-up Information

A. Referenced Information

REFERENCE **DESIGNATION** IPC 316808 AMM 31-60-00-860-001 EIS Start Procedure AMM 31-60-00-860-002 EIS Stop Procedure AMM 31-63-22-000-001 Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2) AMM 31-63-22-400-001 Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2) AMM 31-63-34-000-001 Removal of the DMC (1WT1,1WT2,1WT3) AMM 31-63-34-400-001 Installation of the DMC (1WT1, 1WT2, 1WT3) ASM 31-61/02 ASM 31-68/01 ASM 31-68/02

3. Fault Confirmation

A. Job Set-Up Do the EIS start procedure (F/O PFD only) (Ref. AMM TASK 31-60-00-860-001).

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B. Test Make sure that the F/O PFD stays off.

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4. Fault Isolation

- A. If the F/O PFD stays off and if the EIS DMC selector switch (18WT) on the SWITCHING panel 8VU is at NORM:
 - (1) Do a check for 115VAC at pin AA/104 of the F/O PFD (2WT2) (Ref. ASM 31-61/02).
 - (a) If there is 115VAC:
 - replace the PFD-F/O (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (b) If there is no 115VAC:
 - do a check for a ground signal at pin AA/102 of the F/O PFD (2WT2).
 - 1 If there is no ground signal:
 - repair the wiring from F/O PFD (2WT2) pin AA/102 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from F/O PFD (2WT2) pin AA/104 to the circuit breaker (11WT2).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/PFD/F/0 (11WT2).
 - (2) If the fault continues:
 - do a check of the wiring from F/O PFD (2WT2) pins AA/49, 50, 51 to F/O PFD potentiometer (7WT2) pins A/1, 2, 3 (Ref. ASM 31-68/01).
 - (a) If there is continuity:
 - replace the PFD-F/O (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - 1 If the fault continues: - replace the POT-PFD, F/O (7WT2) (Ref. IPC 316808).
 - (b) If there is no continuity:
 - repair the wiring from F/O PFD (2WT2) pins AA/49, 50, 51 to F/O PFD potentiometer (7WT2) pins A/1, 2, 3.

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- B. If the F/O PFD stays off and if the EIS DMC selector switch (18WT) on the SWITCHING panel 8VU is at F/O/3:
 - (1) Do a check for 28VDC at pin AA/93 of the F/O PFD (2WT2) (Ref. ASM 31-61/02).
 - (a) If there is 28VDC:
 - replace the PFD-F/O (2WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin AA/106 of the F/O PFD (2WT2).
 - 1 If there is no ground signal:
 - repair the wiring from F/O PFD (2WT2) pin AA/106 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from F/O PFD (2WT2) pin AA/93 to the circuit breaker (22WT2).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/PFD/F/O/SWTG (22WT2).
 - (2) If the fault continues:
 - do a check for 115VAC at pin AC/2 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - (a) If there is 115VAC:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (b) If there is no 115VAC:
 - do a check for a ground signal at pin AC/7 of the DMC3 (1WT3).
 - 1 If there is no ground signal:
 - repair the wiring from DMC3 (1WT3) pin AC/7 to the ground terminal.
 - 2 If there is a ground signal:
 - replace the RELAY-BUS1 TO ESS BUS SWTG, DMC3 (26WT).
 - a If the fault continues:
 - replace the C/B-EIS/DMC3/SPLY (10WT3).
 - . If the fault continues:
 - * do a check of the wiring from the DMC3 BUS1 TO ESS BUS SWTG relay (26WT):
 - pin A2 to DMC3 (1WT3) pin AC/2

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- pin A3 to the EIS/DMC3/SPLY circuit breaker (10WT3)
- * repair the wiring which has no continuity.
- (3) If the fault continues:
 - do a check for 28VDC at pin AC/3 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - (a) If there is 28VDC:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin AC/11 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - 1 If there is no ground signal:
 - repair the wiring from DMC3 (1WT3) pin AC/11 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from DMC3 (1WT3) pin AC/3 to the circuit breaker (21WT3) (Ref. ASM 31-61/02).
 - <u>a</u> If there is no continuity:repair the wiring.
 - <u>b</u> If there is continuity:replace the C/B-EIS/DMC3/SWTG (21WT3).
- (4) If the fault continues:
 - do a check for a ground signal at pin AB/8H, 4C of the DMC2 (1WT2).
 - (a) If there is no ground signal:
 - do a check for a ground signal at pin AA/4 of the EIS DMC selector switch (18WT) (Ref. ASM 31-68/02).
 - 1 If there is no ground signal: - replace the SEL SW-EIS DMC (18WT).
 - 2 If there is a ground signal:
 - do a check of the wiring from EIS DMC selector switch (18WT) pin 4 to DMC2 (1WT2) pin AB/8H, 4H.
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).

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- (b) If there is a ground signal:
 - do a check for a ground signal at pin AB/4H of the DMC3 (1WT3) (Ref. ASM 31-68/02).
 - 1 If there is no ground signal:
 - do a check of the wiring from DMC3 (1WT3) pin AB/4H to the first terminal block (Ref. ASM 31-68/02).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- C. Do the EIS start procedure (F/O PFD only) (Ref. AMM TASK 31-60-00-860-001) and make sure that the F/O PFD comes on.

5. Close-up

A. Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

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TASK 31-63-82-810-807

Loss of the F/O ND

1. Possible Causes

- ND-F/O (3WT2)
- DMC-3 (1WT3)
- DMC-2 (1WT2)
- wiring
- C/B-EIS/ND/F/O (12WT2)
- POT-ND, F/O (8WT2)
- C/B-EIS/ND/F/O/SWTG (23WT2)
- RELAY-BUS1 TO ESS BUS SWTG, DMC3 (26WT)
- C/B-EIS/DMC3/SWTG (21WT3)
- SEL SW-EIS DMC (18WT)

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
	74/000		
IPC	316808		
AMM	31-60-00-860-001	EIS Start Procedure	
AMM	31-60-00-860-002	EIS Stop Procedure	
AMM	31-63-22-000-001	Removal of the Display Unit	
		(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	Installation of the Display Unit	
A	31 03 22 400 001	(2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
. мм	74 /7 7/ 000 004		
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
ASM	31-61/02		
ASM	31-68/01		
ASM	31-68/02		
A311	3. 00,02		

3. Fault Confirmation

- A. Job Set-Up
 Do the EIS start procedure (F/O ND only) (Ref. AMM TASK 31-60-00-860-001).
- B. Test Make sure that the F/O ND stays off.

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4. Fault Isolation

- A. If the F/O ND stays off and if the EIS DMC selector switch (18WT) on the SWITCHING panel 8VU is at NORM:
 - (1) Do a check for 115VAC at pin AA/104 of the F/O ND (3WT2) (Ref. ASM 31-61/02).
 - (a) If there is 115VAC:
 - replace the ND-F/O (3WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (b) If there is no 115VAC:
 - do a check for a ground signal at pin AA/102 of the F/O ND (3WT2).
 - 1 If there is no ground signal:
 - repair the wiring from F/O ND (3WT2) pin AA/102 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from F/O ND (3WT2) pin AA/104 to the circuit breaker (12WT2).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/ND/F/O (12WT2).
 - (2) If the fault continues:
 - do a check of the wiring from F/O ND (3WT2) pins AA/49, 50, 51, 52 to F/O ND potentiometer (8WT2) pins A/2, 4, 5, 6 (Ref. ASM 31-68/01).
 - (a) If there is continuity:
 - replace the ND-F/O (3WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - 1 If the fault continues:
 replace the POT-ND, F/O (8WT2) (Ref. IPC 316808).
 - (b) If there is no continuity:
 - repair the wiring from F/O ND (3WT2) pins AA/49, 50, 51, 52 to F/O ND potentiometer (8WT2) pins A/2, 4, 5, 6.

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- B. If the F/O ND stays off and if the EIS DMC selector switch (18WT) on the SWITCHING panel 8VU is at F/O/3:
 - (1) Do a check for 28VDC at pin AA/93 on the F/O ND (3WT2) (Ref. ASM 31-61/02).
 - (a) If there is 28VDC:
 - replace the ND-F/O (3WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin AA/106 of the F/O ND (3WT2).
 - 1 If there is no ground signal:
 - repair the wiring from F/O ND (3WT2) pin AA/106 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from F/O ND (3WT2) pin AA/93 to the circuit breaker (23WT2).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/ND/F/O/SWTG (23WT2).
 - (2) If the fault continues:
 - do a check for 115VAC at pin AC/2 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - (a) If there is 115VAC:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (b) If there is no 115VAC:
 - do a check for a ground signal at pin AC/7 of the DCM3 (1WT3).
 - 1 If there is no ground signal:
 - repair the wiring from DMC3 (1WT3) pin AC/7 to the ground terminal.
 - 2 If there is a ground signal:
 - replace the RELAY-BUS1 TO ESS BUS SWTG, DMC3 (26WT).
 - a If the fault continues:
 - do a check of the wiring from the DMC3 BUS1 TO ESS BUS SWTG relay (26WT):
 - pin A2 to DMC3 (1WT3) pin AC/2
 - pin A1 to the EIS/DMC3/STBY/SPLY circuit breaker
 (14WT1)

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pin X2 to the BUS 1XP CTL relay (20XN1), repair the wiring which has no continuity.

- (3) If the fault continues:
 - do a check for 28VDC at pin AC/3 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - (a) If there is 28VDC:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin AC/11 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - 1 If there is no ground signal:
 - repair the wiring from DMC3 (1WT3) pin AC/11 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from DMC3 (1WT3) pin AC/3 to the circuit breaker (21WT3) (Ref. ASM 31-61/02).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/DMC3/SWTG (21WT3).
- (4) If the fault continues:
 - do a check for a ground signal at pin AB/8H, 4C of the DMC2 (1WT2).
 - (a) If there is no ground signal:
 - do a check for a ground signal at pin AA/4 of the EIS DMC selector switch (18WT) (Ref. ASM 31-68/02).
 - 1 If there is no ground signal: - replace the SEL SW-EIS DMC (18WT).
 - 2 If there is a ground signal:
 - do a check of the wiring from EIS DMC selector switch (18WT)
 pin 4 to DMC2 (1WT2) pin AB/8H, 4C.
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).

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- (b) If there is a ground signal:
 - do a check for a ground signal at pin AB/4C of the DMC3 (1WT3) (Ref. ASM 31-68/02).
 - 1 If there is no ground signal:
 - do a check of the wiring from DMC3 (1WT3) pin AB/4C to the first terminal block (Ref. ASM 31-68/02).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- C. Do the EIS start procedure (F/O ND only) (Ref. AMM TASK 31-60-00-860-001) and make sure that the F/O ND comes on.

5. Close-up

A. Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

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TASK 31-63-82-810-808

Loss of the Lower ECAM DU

1. Possible Causes

- DU-ECAM, LOWER (4WT2)
- CTL PNL-ECAM (6WT)
- DMC-3 (1WT3)
- DMC-2 (1WT2)
- wiring
- C/B-EIS/ECAM DU/LOWER/SPLY (13WT2)
- C/B-EIS/ECAM DU/LOWER/SWTG (24WT2)
- RELAY-BUS1 TO ESS BUS SWTG, DMC3 (26WT)
- C/B-EIS/DMC3/SPLY (10WT3)
- C/B-EIS/DMC3/SWTG (21WT3)
- SEL SW-EIS DMC (18WT)

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
АММ	31-60-00-860-001	EIS Start Procedure	
	31-60-00-860-002	EIS Stop Procedure	
	31-61-12-000-001	Removal of the ECAM Control Panel (6WT)	
AMM	31-61-12-400-001	Installation of the ECAM Control Panel (6WT)	
AMM	31-63-22-000-001	Removal of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-22-400-001	Installation of the Display Unit (2WT1,2WT2,3WT1,3WT2,4WT1,4WT2)	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
ASM	31-61/02	, , , , , , , , , , , , , , , , , , , ,	
ASM	31-68/01		
ASM			

3. Fault Confirmation

- A. Job Set-up Do the EIS start procedure (lower ECAM DU only) (Ref. AMM TASK 31-60-00-860-001).
- B. Test Make sure that the lower ECAM DU stays off.

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4. Fault Isolation

- A. If the lower ECAM DU stays off and if the EIS DMC selector switch (18WT) on the SWITCHING panel 8VU is at NORM:
 - (1) Do a check for 115VAC at pin AA/104 of the lower ECAM DU (4WT2) (Ref. ASM 31-61/02).
 - (a) If there is no 115VAC:
 - replace the DU-ECAM, LOWER (4WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (b) If there is 115VAC:
 - do a check for a ground signal at pin AA/102 of the lower ECAM
 DU (4WT2).
 - 1 If there is no ground signal:
 - repair the wiring from lower ECAM DU (4WT2) pin AA/102 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from lower ECAM DU (4WT2) pin AA/104 to the circuit breaker (13WT2).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/ECAM DU/LOWER/SPLY (13WT2).
 - (2) If the fault continues:
 - do a check of the wiring from lower ECAM DU (4WT2) pins AA/49, 50, 51 to ECAM control panel (6WT) pins B/B, C, U (Ref. ASM 31-68/01).
 - (a) If there is continuity:
 - replace the DU-ECAM, LOWER (4WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - 1 If the fault continues:
 - replace the CTL PNL-ECAM (6WT) (Ref. AMM TASK 31-61-12-000-001) and (Ref. AMM TASK 31-61-12-400-001).
 - (b) If there is no continuity:
 - repair the wiring from lower ECAM DU (4WT2) pins AA/49, 50, 51 to ECAM control panel (6WT) pins B/B, C, U.

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- B. If the lower ECAM DU stays off and if the EIS DMC selector switch (18WT) on the SWITCHING panel 8VU is at F/O/3:
 - (1) Do a check for 28VDC at pin AA/93 on the lower ECAM DU (4WT2) (Ref. ASM 31-61/02).
 - (a) If there is 28VDC:
 - replace the DU-ECAM, LOWER (4WT2) (Ref. AMM TASK 31-63-22-000-001) and (Ref. AMM TASK 31-63-22-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin AA/106 of the lower ECAM
 DU (4WT2).
 - 1 If there is no ground signal:
 - repair the wiring from lower ECAM DU (4WT2) pin AA/106 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from lower ECAM DU (4WT2) pin AA/93 to the circuit breaker (24WT2).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 replace the C/B-EIS/ECAM DU/LOWER/SWTG (24WT2).
 - (2) If the fault continues:
 - do a check for 115VAC at pin AC/2 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - (a) If there is 115VAC:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (b) If there is no 115VAC:
 - do a check for a ground signal at pin AC/7 of the DMC3 (1WT3).
 - 1 If there is no ground signal:
 - repair the wiring from DMC3 (1WT3) pin AC/7 to the ground terminal.
 - 2 If there is a ground signal:
 - replace the RELAY-BUS1 TO ESS BUS SWTG, DMC3 (26WT).
 - a If the fault continues:
 - replace the C/B-EIS/DMC3/SPLY (10WT3).
 - . If the fault continues:
 - $\boldsymbol{*}$ do a check of the wiring from the DMC3 BUS1 TO ESS BUS SWTG relay (26WT):

pin A2 to DMC3 (1WT3) pin AC/2

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pin A3 to the EIS/DMC3/SPLY circuit breaker (10WT3), repair the wiring which has no continuity.

- (3) If the fault continues:
 - do a check for 28VDC at pin AC/3 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - (a) If there is 28VDC:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin AC/11 of the DMC3 (1WT3) (Ref. ASM 31-61/02).
 - 1 If there is no ground signal:
 - repair the wiring from DMC3 (1WT3) pin AC/11 to the ground terminal.
 - 2 If there is a ground signal:
 - do a check of the wiring from DMC3 (1WT3) pin AC/3 to the circuit breaker (21WT3) (Ref. ASM 31-61/02).
 - <u>a</u> If there is no continuity:repair the wiring.
 - <u>b</u> If there is continuity:replace the C/B-EIS/DMC3/SWTG (21WT3).
- (4) If the fault continues:
 - do a check for a ground signal at pin AB/8H, 4C of the DMC2 (1WT2).
 - (a) If there is no ground signal:
 - do a check for a ground signal at pin AA/4 of the EIS DMC selector switch (18WT) (Ref. ASM 31-68/02).
 - 1 If there is no ground signal: - replace the SEL SW-EIS DMC (18WT).
 - 2 If there is a ground signal:
 - do a check of the wiring from EIS DMC selector switch (18WT)
 pin 4 to DMC2 (1WT2) pins AB/8H, 4C.
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).

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- (b) If there is a ground signal:
 - do a check for a ground signal at pin AB/4H of the DMC3 (1WT3) (Ref. ASM 31-68/02).
 - 1 If there is no ground signal:
 - do a check of the wiring from DMC3 (1WT3) pin AB/4H to the first terminal block (Ref. ASM 31-68/02).
 - <u>a</u> If there is no continuity:repair the wiring.
 - b If there is continuity:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- C. Do the EIS start procedure (lower ECAM DU only) (Ref. AMM TASK 31-60-00-860-001) and make sure that the lower ECAM DU comes on.

5. Close-up

A. Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

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R

TASK 31-63-82-810-809

Transfer of the CAPT PFD Image on the CAPT ND not Possible

1. Possible Causes

R

- P/BSW-PFD/ND XFR, CAPT (9WT1)
- RELAY BOX-CAPT PFD-ND XFR (20WT1)
- wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

EIS Start Procedure AMM 31-60-00-860-001 AMM 31-60-00-860-002 EIS Stop Procedure

R

3. Fault Confirmation

A. Table of the circuit breakers used in this procedure:

	PANEL	DESIGNATION	IDENT.	LOCATION
R	49VU	EIS/RLY/BOX/CAPT	17WT1	E08
	49VU	EIS/PFD CAPT/SWTG	22WT1	E04
	49VU	EIS/ND CAPT/SWTG	23WT1	E02

R

- B. Job Set-up
 - (1) Do the EIS start procedure (CAPT PFD and CAPT ND only) (Ref. AMM TASK 31-60-00-860-001).
 - (2) When the PFD and the ND images come into view on the CAPT PFD and the
 - push the CAPT PFD/ND XFR pushbutton switch (9WT1) on the panel 301VU.
- C. Test

Make sure that the transfer is not possible.

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4. Fault Isolation

R

- A. If the transfer is not possible:
 - Make sure that the circuit breaker EIS/RLY/BOX/CAPT (17WT1) is not tripped or faulty
 - Make sure that the circuit breaker EIS/PFD CAPT/SWTG (22WT1) is not tripped or faulty
 - Make sure that the circuit breaker EIS/ND CAPT/SWTG (23WT1) is not tripped or faulty
 - (1) If the fault continues:
 - replace the P/BSW-PFD/ND XFR, CAPT (9WT1)
 - (2) If the fault continues:
 - replace the RELAY BOX-CAPT PFD-ND XFR (20WT1).
 - (3) If the fault continues:
 - do a check and repair the wiring from CAPT PFD/ND XFR pushbutton switch (9WT1) pins 1, 2 to CAPT PFD-ND transfer relay box (20WT1) pins 1D, X2.

R

- R B. Push the CAPT PFD/ND XFR pushbutton switch (9WT1) and make sure that the transfer is possible.
 - 5. Close-up
 - A. Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

EFF: ALL

SROS

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TASK 31-63-82-810-810

Transfer of the F/O PFD Image on the F/O ND not Possible

1. Possible Causes

R

- P/BSW-PFD/ND XFR, F/O (9WT2)
- RELAY BOX-F/O PFD-ND XFR (20WT2)
- wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE **DESIGNATION**

AMM 31-60-00-860-001 EIS Start Procedure AMM 31-60-00-860-002 EIS Stop Procedure

R

3. Fault Confirmation

A. Table of the circuit breakers used in this procedure:

	PANEL	DESIGNATION	IDENT.	LOCATION
R	12 1VU	EIS/RLY/BOX/F/O EIS/ND/F/O/SWTG EIS/PFD/F/O/SWTG	17WT2 23WT2 22WT2	R07 R06 R05

R

- B. Job Set-up
 - (1) Do the EIS start procedure (F/O PFD and F/O ND only) (Ref. AMM TASK 31-60-00-860-001).
 - (2) When the PFD and the ND images come into view on the F/O PFD and the
 - push the F/O PFD/ND XFR pushbutton switch (9WT2) on the panel 500VU.
- C. Test

Make sure that the transfer is not possible.

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4. Fault Isolation

R

- A. If the transfer is not possible:
 - Make sure that the circuit breaker EIS/RLY/BOX/F/O (17WT2) is not tripped or faulty
 - Make sure that the circuit breaker EIS/PFD F/O/SWTG (22WT2) is not tripped or faulty
 - Make sure that the circuit breaker EIS/ND F/O/SWTG (23WT2) is not tripped or faulty
 - (1) If the fault continues:
 - replace the P/BSW-PFD/ND XFR, F/O (9WT2).
 - (2) If the fault continues:
 - replace the RELAY BOX-F/O PFD-ND XFR (20WT2).
 - (3) If the fault continues:
 - do a check and repair the wiring from F/O PFD/ND XFR pushbutton switch (9WT2) pins 1, 2 to F/O PFD-ND transfer relay box (20WT2) pin 1D, X2.

R

- R B. Push the F/O PFD/ND XFR pushbutton switch (9WT2) and make sure that the transfer is possible.
 - 5. Close-up
 - A. Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

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TASK 31-63-82-810-811

Transfer of the ECAM DU Image on the CAPT ND not Possible

- 1. Possible Causes
 - DMC-1 (1WT1)
 - DMC-3 (1WT3)
 - SEL SW-ECAM/ND XFR (19WT)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	31-60-00-860-001	EIS Start Procedure	
	AMM	31-60-00-860-002	EIS Stop Procedure	
	AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
?	AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
•	ASM	31-68/03		

- 3. Fault Confirmation
 - A. Job Set-up

R

- (1) Do the EIS start procedure (Ref. AMM TASK 31-60-00-860-001).
- (2) When the images come into view on the six display units: - set the ECAM/ND XFR selector switch (19WT) on the panel 8VU to CAPT.
- B. Test

Make sure that the transfer is not possible.

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4. Fault Isolation

R

- A. If the EIS DMC selector switch (18WT) is at NORM and if you cannot get the ECAM DU image on the CAPT ND:
 - replace the SEL SW-ECAM/ND XFR (19WT).
 - (1) If the fault continues:
 - do a check for a ground signal at pins AB/4B, 8J of the DMC1 (1WT1).
 - (a) If there is no ground signal:
 - do a check for a ground signal at pin 5 of the ECAM/ND XFR selector switch (19WT).
 - 1 If there is no ground signal:
 - repair the wiring from ECAM/ND XFR selector switch (19WT) pin 5 to the ground terminal (Ref. ASM 31-68/03).
 - 2 If there is a ground signal:
 - do a check and repair the wiring from ECAM/ND XFR selector switch (19WT) pin 6 to DMC1 (1WT1) pin AB/4B, 8J.
 - (b) If there is a ground signal:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001) (Ref. ASM 31-68/03).
- B. If the EIS DMC selector switch (18WT) is at CAPT/3 and if you cannot get the ECAM DU image on the CAPT ND:
 - replace the SEL SW-ECAM/ND XFR (19WT).
 - (1) If the fault continues:
 - do a check for a ground signal at pin AB/4B of the DMC3 (1WT3).
 - (a) If there is no ground signal:
 - do a check for a ground signal at pin 5 of the ECAM/ND XFR selector switch (19WT).
 - 1 If there is no ground signal:
 - repair the wiring from ECAM/ND XFR selector switch (19WT) pin 5 to the ground terminal (Ref. ASM 31-68/03).
 - 2 If there is a ground signal:
 - do a check and repair the wiring from ECAM/ND XFR selector switch (19WT) pin 6 to DMC3 (1WT3) pin AB/4B.

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- (b) If there is a ground signal:
 - do a check for a ground signal at pin AB/8J of the DMC3 (1WT3).
 - 1 If there is no ground signal:
 - do a check for a ground signal at pin 13 of the EIS DMC selector switch (18WT).
 - a If there is no ground signal:
 - repair the wiring from EIS DMC selector switch (18WT) pin
 13 to the ground terminal.
 - b If there is a ground signal:
 - do a check and repair the wiring from ECAM/ND XFR selector switch (19WT):
 - . pin 16 to EIS DMC selector switch (18WT) pin 16
 - . pin 13 to DMC3 (1WT3) pin AB/8J.
 - 2 If there is a ground signal:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).

R

- R C. Set the ECAM/ND XFR selector switch (19WT) to CAPT and make sure that the transfer is possible.
 - 5. Close-up
 - A. Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

EFF: ALL

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TASK 31-63-82-810-812

Transfer of the ECAM DU Image on the F/O ND not Possible

- 1. Possible Causes
 - DMC-2 (1WT2)
 - DMC-3 (1WT3)
 - SEL SW-ECAM/ND XFR (19WT)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION	
AMM	31-60-00-860-001	EIS Start Procedure	
AMM	31-60-00-860-002	EIS Stop Procedure	
AMM	31-63-34-000-001	Removal of the DMC (1WT1,1WT2,1WT3)	
AMM	31-63-34-400-001	Installation of the DMC (1WT1,1WT2,1WT3)	
ΔSM	31-68/03		

ASM 31-68/03

- 3. Fault Confirmation
 - A. Job Set-up
 - (1) Do the EIS start procedure (Ref. AMM TASK 31-60-00-860-001).
 - (2) When the images come into view on the six display units: - set the ECAM/ND XFR selector switch (19WT) on the panel 8VU to F/O.
 - B. Test Make sure that the transfer is not possible.
- 4. Fault Isolation

R

SROS

- A. If the EIS DMC selector switch (18WT) is at NORM and if you cannot get the ECAM DU image on the F/O ND:
 - replace the SEL SW-ECAM/ND XFR (19WT).
 - (1) If the fault continues:
 - do a check for a ground signal at pins AB/4B, 8J of the DMC2(1WT2).
 - (a) If there is no ground signal:
 - do a check for a ground signal at pin 5 of the ECAM/ND XFR selector switch (19WT).

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- 1 If there is no ground signal:
 - repair the wiring from ECAM/ND XFR selector switch (19WT) pin 5 to the ground terminal (Ref. ASM 31-68/03).
- 2 If there is a ground signal:
 - do a check and repair the wiring from ECAM/ND XFR selector switch (19WT) pin 6 to DMC2 (1WT2) pin AB/4B, 8J.
- (b) If there is a ground signal:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001) (Ref. ASM 31-68/03).
- B. If the EIS DMC selector switch (18WT) is at F/0/3 and if you cannot get the ECAM DU image on the F/O ND:
 - replace the SEL SW-ECAM/ND XFR (19WT).
 - (1) If the fault continues:
 - do a check for a ground signal at pin AB/4B of the DMC3 (1WT3)
 - (a) If there is no ground signal:
 - do a check for a ground signal at pin 5 of the ECAM/ND XFR selector switch (19WT).
 - 1 If there is no ground signal:
 - repair the wiring from ECAM/ND XFR selector switch (19WT) pin 5 to the ground terminal (Ref. ASM 31-68/03).
 - 2 If there is a ground signal:
 - do a check and repair the wiring from ECAM/ND XFR selector switch (19WT) pin 6 to DMC3 (1WT3) pin AB/4B.
 - (b) If there is a ground signal:
 - do a check for a ground signal at pin AB/8J of the DMC3 (1WT3).
 - 1 If there is no ground signal:
 - do a check for a ground signal at pin 13 of the EIS DMC selector switch (18WT).
 - a If there is no ground signal:
 - repair the wiring from EIS DMC selector switch (18WT) pin 13 to the ground terminal.
 - b If there is a ground signal:
 - do a check and repair the wiring from ECAM/ND XFR selector switch (19WT):
 - . pin 14 to EIS DMC selector switch (18WT) pin 14
 - . pin 13 to DMC3 (1WT3) pin AB/8J.
 - 2 If there is a ground signal:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).

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R C. Set the ECAM/ND XFR selector switch (19WT) to F/O and make sure that the transfer is possible.

5. Close-up

A. Do the EIS stop procedure (Ref. AMM TASK 31-60-00-860-002).

R

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TASK 31-63-82-810-847

Loss of the DMC2/3 DATA Detected by the FWCs

- 1. Possible Causes
 - DMC-3 (1WT3)
 - DMC-2 (1WT2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM AMM	31-50-00-710-002 31-63-34-000-001 31-63-34-400-001 31-61/03	Operational Test of the Flight Warning Computer (FWC) Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)	

3. Fault Confirmation

**ON A/C ALL

Post SB 31-1257 For A/C 201-225,227-227,229-299,426-450,476-499,503-549, R 551-599,701-749,

- A. Test
 - (1) Do the operational test of the Flight Warning Computer (FWC) (Ref. AMM TASK 31-50-00-710-002).

**ON A/C ALL

4. Fault Isolation

**ON A/C ALL

R Post SB 31-1257 For A/C 201-225,227-227,229-299,426-450,476-499,503-549, 551-599,701-749,

- A. If the test gives the maintenance status DMC2/3:
 - do a check of the wiring from the DMC2 (1WT2) pins AB/1E, 1F to the FWC2 (1WW2) pins AE/5C, 5D (Ref. ASM 31-61/03).
 - (1) If there is no continuity: - repair the wiring.

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- (2) If there is continuity:
 - do a check of the wiring from the DMC2 (1WT2) pins AA/11G, 11H to the FWC2 (1WW2) pins AE/5G, 5H (Ref. ASM 31-61/03).
 - (a) If there is no continuity:
 - repair the wiring.
 - (b) If there is continuity:
 - do a check of the wiring from the DMC2 (1WT2) pins AB/1E, 1F to the FWC1 (1WW1) pins AE/5C, 5D (Ref. ASM 31-61/03).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from the DMC2 (1WT2) pins AA/11G, 11H to the DMC3 (1WT3) pins AA/11G, 11H (Ref. ASM 31-61/03).
 - a If the fault continues:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001)
 and (Ref. AMM TASK 31-63-34-400-001).
 - b If the fault continues:
 - replace the DMC-2 (1WT2) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- B. Do the test given in Para. 3.

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**ON A/C ALL

TASK 31-63-82-810-848

Loss of the DMC1/3 DATA Detected by the FWCs

- 1. Possible Causes
 - DMC-3 (1WT3)
 - DMC-1 (1WT1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM AMM	31-50-00-710-002 31-63-34-000-001 31-63-34-400-001 31-61/03	Operational Test of the Flight Warning Computer (FWC) Removal of the DMC (1WT1,1WT2,1WT3) Installation of the DMC (1WT1,1WT2,1WT3)

3. Fault Confirmation

**ON A/C ALL

R Post SB 31-1257 For A/C 201-225,227-227,229-299,426-450,476-499,503-549, 8 551-599,701-749,

- A. Test
 - (1) Do the operational test of the Flight Warning Computer (FWC) (Ref. AMM TASK 31-50-00-710-002).

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**ON A/C ALL

4. Fault Isolation

**ON A/C ALL

R Post SB 31-1257 For A/C 201-225,227-227,229-299,426-450,476-499,503-549, S51-599,701-749,

- A. If the test gives the maintenance status DMC1/3:
 - do a check of the wiring from the DMC1 (1WT1) pins AB/1E, 1F to the FWC1 (1WW1) pins AB/5G, 5H (Ref. ASM 31-61/03).
 - (1) If there is no continuity:
 - repair the wiring.
 - (2) If there is continuity:
 - do a check of the wiring from the DMC1 (1WT1) pins AA/11G, 11H to the FWC1 (1WW1) pins AE/5G, 5H (Ref. ASM 31-61/03).
 - (a) If there is no continuity:
 - repair the wiring.
 - (b) If there is continuity:
 - do a check of the wiring from the DMC1 (1WT1) pins AB/1E, 1F to the FWC2 (1WW2) pins AB/5G, 5H (Ref. ASM 31-61/03).
 - 1 If there is no continuity:
 - repair the wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from the DMC1 (1WT1) pins AA/11G, 11H to the DMC3 (1WT3) pins AA/11G, 11H (Ref. ASM 31-61/03).
 - a If the fault continues:
 - replace the DMC-3 (1WT3) (Ref. AMM TASK 31-63-34-000-001)
 and (Ref. AMM TASK 31-63-34-400-001).
 - b If the fault continues:
 - replace the DMC-1 (1WT1) (Ref. AMM TASK 31-63-34-000-001) and (Ref. AMM TASK 31-63-34-400-001).
- B. Do the test given in Para. 3.

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