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

PAGES	REASON FOR CHANGE	EFFECTIVITY
CHAPTER 23		
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	NEW, REVISED, AND/OR DELETED PAGES	
1- 21	REVISED TO REFLECT THIS REVISION	
23-ECAM 102, 104	FAULT LIST UPDATED	ALL
27 OPSV	FALL T LICT LIDDATED	ALL
101- 102, 108- 109, 111	FAULT LIST UPDATED	ALL
23-CFDS	FAULT LIST UPDATED	ALL
101- 103, 117- 126		
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201- 203,	MOD.27522P4502 REMOVED	202-202, 205-205, 229-229,
	INFORMATION SYSTEM - AIR TRAFFIC AND	245-245, 251-251, 254-275,
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	ATSU COMPUTER FOR ACARS	478-479, 503-549, 551-553,
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	LAYOUT IMPROVED/MATERIAL RELOCATED	202-202, 205-205, 229-229,
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		279-279, 428-428, 451-451,
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	CIRCUIT BREAKER(S) DATA UPDATED	202-202, 205-205, 229-229,
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202, 206,	EFFECTIVITY UPDATED CIRCUIT BREAKER(S) DATA UPDATED EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	ALL ALL
201- 202,	EFFECTIVITY UPDATED CIRCUIT BREAKER(S) DATA UPDATED EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	ALL
	EFFECTIVITY UPDATED EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549, 551-557, 701-749,
	CIRCUIT BREAKER(S) DATA UPDATED EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	227-227, 229-245, 551-599, 201-225, 227-227, 229-299, 426-431, 476-480, 503-549, 551-599, 701-749,
23-34-00 201- 202	EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	201-225, 227-227, 229-253, 276-299, 426-499, 503-549, 551-599, 701-749,
23-36-00 225	EFFECTIVITY UPDATED EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	202-202, 205-205, 229-230, 232-232, 245-253, 276-277, 280-280, 282-282, 284-285, 426-428, 476-499, 701-749,
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201, 203, 205, 209- 212, 217, 219, 221, 224, 226,	EFFECTIVITY UPDATED SB 23-1333 02 INCORPORATED COMMUNICATIONS - AUDIO MANAGEMENT - MODIFY AM U POWER SUPPLY TO COPE WITH DC ESSENTIAL BUS LOSS CIRCUIT BREAKER(S) DATA UPDATED EFFECTIVITY UPDATED (THROUGHOUT THE TEXT)	451-475, ALL ALL
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CHAPTER 23

COMMUNICATIONS

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

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RECORD				23-0BSV		107	Feb01/08	23-11-00	R	209	May01/08
OF TEMP.				23-0BSV	R		May01/08	23-11-00	R		May01/08
REVISION				23-0BSV	R		•	23-11-00	R	211	May01/08
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T. of C.	R	1	May01/08	23-0BSV			Feb01/08	23-11-00	R		May01/08
T. of C.	R	2	May01/08					23-11-00	R	215	May01/08
T. of C.	R	3	May01/08	23-CFDS	R	101	May01/08	23-11-00	R		May01/08
T. of C.	R	4		23-CFDS	R		May01/08	23-11-00	R	217	•
T. of C.	R	5	May01/08	23-CFDS	R		May01/08	23-11-00	R		•
T. of C.	R	6		23-CFDS			Aug01/07	23-11-00	R	219	May01/08
T. of C.	R	7		23-CFDS			Aug01/07	23-11-00	R	220	•
T. of C.	R	8	May01/08	23-CFDS		106	Nov01/07	23-11-00	R	221	May01/08
T. of C.	R	9	May01/08	23-CFDS		107	Nov01/07	23-11-00	R	222	May01/08
T. of C.	R	10	May01/08	23-CFDS		108	Nov01/07	23-11-00	R		May01/08
T. of C.	R	11	May01/08	23-CFDS		109	Nov01/07	23-11-00	R		May01/08
T. of C.	R	12	May01/08	23-CFDS		110	Nov01/07	23-11-00	R	225	May01/08
T. of C.	R	13	May01/08	23-CFDS		111	Nov01/07	23-11-00	R	226	May01/08
T. of C.	R	14	May01/08	23-CFDS		112	Nov01/07	23-11-00	R	227	May01/08
T. of C.	R	15	May01/08	23-CFDS		113	Nov01/07	23-11-00	R	228	May01/08
T. of C.	R	16	May01/08	23-CFDS		114	Nov01/07	23-11-00	R	229	May01/08
T. of C.	R	17	May01/08	23-CFDS		115	Nov01/07	23-11-00	R	230	May01/08
T. of C.	R	18	May01/08	23-CFDS		116	Nov01/07	23-11-00	R	231	May01/08
T. of C.	R	19	May01/08	23-CFDS	R	117	May01/08	23-11-00	R	232	May01/08
T. of C.	R	20	May01/08	23-CFDS	R	118	May01/08	23-11-00	R	233	May01/08
T. of C.	N	21	May01/08	23-CFDS	R	119	May01/08	23-11-00	R	234	May01/08
				23-CFDS	R	120	May01/08	23-11-00	R	235	May01/08
23-ECAM		101	May01/06	23-CFDS	R	121	May01/08	23-11-00	R	236	May01/08
23-ECAM	R	102	May01/08	23-CFDS	R	122	May01/08	23-11-00	R	237	May01/08
23-ECAM		103	Feb01/07	23-CFDS	R	123	May01/08	23-11-00	R	238	May01/08
23-ECAM	R	104	May01/08	23-CFDS	R	124	May01/08	23-11-00	R	239	May01/08
				23-CFDS	R	125	May01/08	23-11-00	R	240	May01/08
23-LOCAL		101	May01/07	23-CFDS	R	126	May01/08	23-11-00	R	241	May01/08
23-LOCAL		102	May01/07					23-11-00	R	242	May01/08
23-LOCAL		103	May01/07	23-11-00	R		May01/08	23-11-00	R		May01/08
				23-11-00	R	202	May01/08	23-11-00	R	244	May01/08
23-0BSV	R		May01/08	23-11-00	R		May01/08	23-11-00	R	245	May01/08
23-0BSV	R		May01/08	23-11-00			Feb01/08	23-11-00	R		May01/08
23-0BSV			May01/07	23-11-00	R		May01/08	23-11-00	R		May01/08
23-0BSV			May01/07	23-11-00			Nov01/06	23-11-00	R		May01/08
23-0BSV			May01/07	23-11-00			Nov01/06	23-11-00	R		May01/08
23-0BSV		106	May01/07	23-11-00		208	Nov01/06	23-11-00	R	250	May01/08

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CH/SE/SU	С	PAGE	DATE	CH/SE/SU	С	PAGE	DATE	CH/SE/SU	С	PAGE	DATE
27 44 00	_	254	May :04/09	27 12 00		277	F-601/00	23-13-00	_	240	May 01/09
23-11-00 23-11-00	R R		May01/08 May01/08	23-12-00 23-12-00	В		Feb01/08 May01/08	23-13-00	R		May01/08 Aug01/03
23-11-00	R		May01/08	23-12-00	R R		May01/08	23-13-00	R		May01/03
23-11-00	R		May01/08	23-12-00	R		May01/08	23-13-00	R		May01/08
23-11-00	R		May01/08	23-12-00	K		Aug01/03	23-13-00	R		May01/08
23-11-00	R		May01/08	23-12-00	R		May01/08	23-13-00	R		May01/08
23-11-00	R		May01/08	23-12-00	K		Aug01/03	23-13-00	R		May01/08
23-11-00	R		May01/08	23-12-00			Aug01/03	23-13-00	R		May01/08
23-11-00	R		May01/08	23-12-00			Feb01/01	23-13-00	R		May01/08
23-11-00	R		May01/08	23-12-00			Feb01/01	23-13-00	R		May01/08
23-11-00	R		May01/08	23-12-00			Feb01/01	23-13-00			Nov01/06
23-11-00	R		May01/08	23-12-00			Feb01/01	23-13-00			Nov01/06
23-11-00	R		May01/08	23-12-00	R		May01/08	23-13-00			Nov01/06
23-11-00	R		May01/08	23-12-00	R		May01/08	23-13-00			Nov01/06
	•		, ,	23-12-00	R		May01/08	23-13-00		233	
23-12-00		201	Feb01/99	23-12-00	R		May01/08	23-13-00	R		May01/08
23-12-00	R		May01/08	23-12-00	R		May01/08	23-13-00	R		May01/08
23-12-00			Feb01/08	23-12-00	R		May01/08	23-13-00			May01/07
23-12-00			Feb01/99	23-12-00	R		May01/08	23-13-00		237	•
23-12-00			May01/04	23-12-00	R		May01/08	23-13-00	R		May01/08
23-12-00	R		May01/08	23-12-00	R		May01/08	23-13-00	R		May01/08
23-12-00			Feb01/08	23-12-00	R		May01/08	23-13-00			May01/07
23-12-00		208	May01/04	23-12-00	R		-	23-13-00	R	241	•
23-12-00	R	209	May01/08	23-12-00	R	260	May01/08	23-13-00	R	242	May01/08
23-12-00	R	210	May01/08	23-12-00	R	261	May01/08	23-13-00	R	243	May01/08
23-12-00	R	211	May01/08	23-12-00	R	262	May01/08	23-13-00	R	244	May01/08
23-12-00	R	212	May01/08	23-12-00	R	263	May01/08	23-13-00	R	245	May01/08
23-12-00		213	May01/06	23-12-00	R	264	May01/08	23-13-00	R	246	May01/08
23-12-00		214	Feb01/08	23-12-00		265	Feb01/08	23-13-00	R	247	May01/08
23-12-00	R	215	May01/08	23-12-00		266	Feb01/08	23-13-00	R	248	May01/08
23-12-00			Nov01/05	23-12-00			May01/06	23-13-00	R	249	•
23-12-00	R		May01/08	23-12-00		268	May01/06	23-13-00	R	250	May01/08
23-12-00	R		May01/08					23-13-00	R	251	May01/08
23-12-00			Aug01/01	23-13-00	R		May01/08	23-13-00	R		May01/08
23-12-00			Aug01/96	23-13-00	R		May01/08	23-13-00	R		May01/08
23-12-00	R		May01/08	23-13-00			May01/06	23-13-00	R		May01/08
23-12-00	R		May01/08	23-13-00	R		May01/08	23-13-00	R		May01/08
23-12-00			Feb01/08	23-13-00	R		May01/08	23-13-00	R	_	May01/08
23-12-00			May01/00	23-13-00	_		Feb01/99	23-13-00	R	257	•
23-12-00			Feb01/00	23-13-00	R		May01/08	23-13-00	R		May01/08
23-12-00			Aug01/01	23-13-00	R		May01/08	23-13-00	R	259	•
23-12-00	_		Feb01/00	23-13-00	_		May01/06	23-13-00	R		May01/08
23-12-00	R		May01/08	23-13-00	R		May01/08	23-13-00	R	261	
23-12-00	R		May01/08	23-13-00	R		May01/08	23-13-00	R		May01/08
23-12-00			Feb01/08	23-13-00			Feb01/99	23-13-00	R		May01/08
23-12-00			May01/00	23-13-00	_		May01/06	23-13-00	R		May01/08
23-12-00	_		Feb01/00	23-13-00	R		May01/08	23-13-00	R		May01/08
23-12-00	R		May01/08	23-13-00	R		May01/08	23-13-00	R		May01/08
23-12-00	R		May01/08	23-13-00			Aug01/03	23-13-00	R		May01/08
23-12-00	R		May01/08	23-13-00	п		May01/06	23-13-00	R		May01/08
23-12-00		230	Feb01/08	23-13-00	R	210	May01/08	23-13-00	R	207	May01/08

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23-13-00	R	270	May01/08	23-24-00	R	220	May01/08	23-32-00	R	203	May01/08
23-13-00	R		May01/08	23-24-00	R	221	May01/08	23-32-00		204	Feb01/07
23-13-00	R		May01/08	23-24-00	R		May01/08	23-32-00	R		May01/08
23-13-00	R		May01/08	23-24-00			Feb01/08	23-32-00			Feb01/07
23-13-00	R		May01/08	23-24-00	R		May01/08				
23-13-00			Aug01/07	23-24-00	R		May01/08	23-33-00		201	May01/07
23-13-00			Feb01/08	23-24-00	R		May01/08	23-33-00			Nov01/05
23-13-00			Feb01/08				,,	23-33-00			Nov01/05
23-13-00			Feb01/08	23-28-00		201	Feb01/08	23-33-00			Nov01/05
23-13-00			May01/06	23-28-00			Feb01/08	23-33-00			Nov01/05
23-13-00			May01/05	23-28-00			Feb01/08	23-33-00			Nov01/05
23-13-00	R		May01/08	23-28-00			Feb01/08	23-33-00			Nov01/05
23-13-00	R		May01/08	23-28-00			Feb01/08	23-33-00			Nov01/05
23-13-00	R		May01/08	23-28-00			Feb01/08	23-33-00			Nov01/05
23-13-00	R		May01/08	23-28-00			Feb01/08	23-33-00			Nov01/05
23-13-00	R		May01/08	23-28-00			Feb01/08	23-33-00			Nov01/05
23-13-00	R		May01/08	23-28-00			Feb01/08	23-33-00			Nov01/05
23-13-00	R		May01/08	23-28-00			Feb01/08	23-33-00			May01/07
23-13-00	R		May01/08	23-28-00			Feb01/08	23-33-00			May01/07
23-13-00	R		May01/08	23-28-00			Feb01/08	23-33-00			May01/05
23-13-00	R		May01/08	23-28-00			Feb01/08	23-33-00			May01/05
23-13-00	R		May01/08	23-28-00			Feb01/08	23-33-00			May01/05
23-13-00	R		May01/08	23-28-00			Feb01/08	23-33-00			May01/05
23-13-00	R		May01/08	23-28-00			Feb01/08	23-33-00			May01/05
23-13-00	R		May01/08	23-28-00			Feb01/08	23-33-00			May01/05
23-13-00			Nov01/06	23-28-00			Feb01/08	23-33-00			May01/05
23-13-00		296	Nov01/06	23-28-00		219	Feb01/08	23-33-00			May01/05
23-13-00		297	Nov01/06	23-28-00		220	Feb01/08	23-33-00			May01/05
23-13-00		298	Nov01/06	23-28-00		221	Feb01/08	23-33-00			May01/07
23-13-00		299	Nov01/06	23-28-00		222	Feb01/08	23-33-00			May01/05
23-13-00	R	A200	May01/08	23-28-00		223	Feb01/08	23-33-00			May01/05
			•	23-28-00		224	Feb01/08	23-33-00		227	May01/05
23-24-00	R	201	May01/08	23-28-00		225	Feb01/08	23-33-00		228	May01/05
23-24-00	R	202	May01/08	23-28-00		226	Feb01/08	23-33-00		229	May01/05
23-24-00	R	203	May01/08	23-28-00		227	Feb01/08	23-33-00		230	May01/07
23-24-00	R	204	May01/08	23-28-00		228	Feb01/08	23-33-00		231	May01/05
23-24-00	R	205	May01/08	23-28-00		229	Feb01/08	23-33-00		232	May01/05
23-24-00	R	206	May01/08	23-28-00		230	Feb01/08	23-33-00		233	May01/05
23-24-00	R	207	May01/08	23-28-00		231	Feb01/08	23-33-00		234	May01/05
23-24-00	R	208	May01/08	23-28-00		232	Feb01/08	23-33-00		235	May01/07
23-24-00	R	209	May01/08	23-28-00		233	Feb01/08	23-33-00		236	May01/07
23-24-00	R	210	May01/08	23-28-00		234	Feb01/08	23-33-00		237	May01/07
23-24-00	R	211	May01/08	23-28-00		235	Feb01/08	23-33-00		238	May01/07
23-24-00	R	212	May01/08	23-28-00		236	Feb01/08	23-33-00		239	•
23-24-00	R	213	May01/08	23-28-00		237	Feb01/08	23-33-00		240	May01/07
23-24-00	R		May01/08	23-28-00			Feb01/08	23-33-00		241	•
23-24-00	R		May01/08	23-28-00			Feb01/08	23-33-00			May01/07
23-24-00	R		May01/08	23-28-00		240	Feb01/08	23-33-00			May01/07
23-24-00	R		May01/08				_	23-33-00			May01/07
23-24-00	R		May01/08	23-32-00	R		May01/08	23-33-00			May01/07
23-24-00	R	219	May01/08	23-32-00	R	202	May01/08	23-33-00		246	May01/07

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CH/ 3L/ 30	C	FAGL	PAIL	CII/ 3L/ 30	C	FAGL	PAIL	CH/3L/30	C	FAGL	PAIL
23-33-00		247	May01/07	23-36-00		211	Feb01/08	23-51-00		215	Feb01/08
23-33-00			May01/07	23-36-00		212	Feb01/08	23-51-00		216	Aug01/07
23-33-00			May01/07	23-36-00		213	Feb01/08	23-51-00	R		May01/08
23-33-00			May01/07	23-36-00		214	Feb01/08	23-51-00		218	Feb01/08
23-33-00		251	May01/07	23-36-00		215	Feb01/08	23-51-00	R	219	May01/08
23-33-00		252	May01/07	23-36-00		216	Feb01/08	23-51-00		220	Feb01/08
23-33-00		253	May01/07	23-36-00		217	Feb01/08	23-51-00	R	221	May01/08
23-33-00		254	May01/07	23-36-00		218	Feb01/08	23-51-00		222	Feb01/08
23-33-00		255	May01/07	23-36-00		219	Feb01/08	23-51-00		223	Aug01/07
23-33-00		256	May01/07	23-36-00		220	Feb01/08	23-51-00	R	224	May01/08
23-33-00		257	May01/07	23-36-00		221	Feb01/08	23-51-00		225	Feb01/08
23-33-00		258	May01/07	23-36-00		222	Feb01/08	23-51-00	R	226	May01/08
23-33-00		259	May01/05	23-36-00		223	Feb01/08	23-51-00		227	Feb01/08
23-33-00		260	May01/05	23-36-00		224	Feb01/08	23-51-00	R	228	May01/08
23-33-00		261	May01/05	23-36-00	R	225	May01/08	23-51-00		229	Feb01/08
23-33-00		262	May01/05					23-51-00		230	Aug01/07
23-33-00		263	May01/05	23-42-00			Aug01/07	23-51-00			Aug01/07
23-33-00		264	May01/07	23-42-00			Aug01/94	23-51-00	R	232	May01/08
23-33-00		265	May01/05	23-42-00			Aug01/07	23-51-00	R	233	May01/08
23-33-00		266	May01/05	23-42-00		204	Aug01/07	23-51-00	R	234	May01/08
23-33-00		267	May01/05	23-42-00		205	Aug01/96	23-51-00	R	235	May01/08
23-33-00		268	May01/05	23-42-00		206	Aug01/94	23-51-00	R	236	May01/08
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23-33-00			May01/07	23-42-00			Aug01/96	23-51-00	R		May01/08
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23-33-00			May01/07	23-44-00	R		May01/08	23-51-00	R		May01/08
23-33-00			May01/07	23-44-00	R		May01/08	23-51-00	R		May01/08
23-33-00		282	May01/07	23-44-00	R	207	May01/08	23-51-00	R		May01/08
27 7/ 00	_	204	M O.4 / O.9	27 54 00	_	204	M04/09	23-51-00	R		May01/08
23-34-00	R		May01/08	23-51-00	R		May01/08	23-51-00	R		May01/08
23-34-00	R		May01/08	23-51-00	_		Feb01/08	23-51-00	R		May01/08
23-34-00		203	Feb01/07	23-51-00	R		May01/08	23-51-00	R		May01/08
27 7/ 00		204	A~01/07	23-51-00	_		Feb01/08	23-51-00	R		May01/08
23-36-00			Aug01/07	23-51-00	R		May01/08	23-51-00	R		May01/08
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23-36-00			Feb01/08	23-51-00	R		May01/08	23-51-00	R		May01/08
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23-51-00	R		May01/08	23-72-00	R		May01/08	23-73-00	R	231	•
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23-51-00	R		May01/08	23-72-00	R		May01/08	23-73-00	_		Feb01/08
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23-51-00	R		May01/08	23-72-00	R		May01/08	23-73-00			May01/07
23-51-00	R		May01/08	23-72-00	R		May01/08	23-73-00	_		Feb01/08
23-51-00	R		May01/08	23-72-00	R		May01/08	23-73-00	R		May01/08
23-51-00	R		May01/08	23-72-00	R		May01/08	23-73-00		239	•
23-51-00	R		May01/08	23-72-00	R		May01/08	23-73-00			May01/07
23-51-00	R		May01/08	23-72-00	R		May01/08	23-73-00		241	•
23-51-00	R		May01/08	23-72-00	R		May01/08	23-73-00			Nov01/07
23-51-00	R		May01/08	23-72-00	R		May01/08	23-73-00			May01/07
23-51-00	R		May01/08	23-72-00	R		May01/08	23-73-00	_		May01/07
23-51-00	R		May01/08	23-72-00	R		May01/08	23-73-00	R		May01/08
23-51-00	R		May01/08	23-72-00	R		May01/08	23-73-00			May01/07
23-51-00	R		May01/08	23-72-00	R		May01/08	23-73-00	_		May01/07
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23-51-00	R		May01/08	23-72-00	R		May01/08	23-73-00	R		May01/08
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23-51-00	R		May01/08					23-73-00	R	251	•
23-51-00	R		May01/08	23-73-00	R		May01/08	23-73-00	_		May01/07
23-51-00	R		May01/08	23-73-00	R		May01/08	23-73-00	R	253	•
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23-51-00	R		May01/08	23-73-00	R		May01/08	23-73-00			May01/07
23-51-00	R		May01/08	23-73-00	R		May01/08	23-73-00			May01/07
23-51-00	R		May01/08	23-73-00			Feb01/07	23-73-00		257	,
23-51-00	N		May01/08	23-73-00			Aug01/06	23-73-00			May01/07
23-51-00			May01/08	23-73-00	R		May01/08	23-73-00	R		May01/08
23-51-00			May01/08	23-73-00	R		May01/08	23-73-00	R		May01/08
23-51-00	N	A203	May01/08	23-73-00			May01/06	23-73-00			May01/07
				23-73-00			Aug01/06	23-73-00			May01/07
23-61-00			Aug01/06	23-73-00	R		May01/08	23-73-00			May01/07
23-61-00			Nov01/99	23-73-00	R		May01/08	23-73-00			May01/07
23-61-00			Aug01/06	23-73-00			May01/06	23-73-00			May01/07
23-61-00		204	Aug01/06	23-73-00		215	Aug01/06	23-73-00	R		May01/08
				23-73-00		216	May01/06	23-73-00		267	May01/07
23-71-00			Feb01/06	23-73-00			Aug01/06	23-73-00			May01/07
23-71-00		202	Feb01/06	23-73-00		218	Aug01/06	23-73-00	R		May01/08
23-71-00		203	Aug01/94	23-73-00		219	Aug01/06	23-73-00	R	270	May01/08
23-71-00		204	Aug01/94	23-73-00		220	Aug01/06	23-73-00		271	May01/07
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23-73-00		May01/07	23-73-00			May01/07	23-73-00	R		May01/08
23-73-00		May01/07	23-73-00	R		May01/08	23-73-00			May01/07
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23-73-00		May01/07	23-73-00			May01/08	23-73-00	R		May01/08
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Loss of the Reception at the First Officer Station		,	202	ALL
Loss of the Reception at the Third			265	ALL
Occupant Station				
Loss of the Reception at the			268	251-251,
Avionics Compartment Station				
Loss of the Reception at the		;	270	ALL
Supplementary Headset			272	A
Loss of the Transmission from the Captain Boomset			272	ALL
Loss of the Transmission from the		:	274	ALL
F/O Boomset		·		
Loss of the Transmission from the			276	ALL
Third Occupant Boomset				
Loss of the Transmission from the		;	278	251-251,
Avionics Compartment Boomset			200	A1.1
Failure of the Loud Speaker Card 1 Circuit			280	ALL
Failure of the Loud Speaker Card 2		:	285	ALL
Circuit		•	_0,	// -
Loss of the 3rd OCCPNT ACP			290	ALL
Emergency Function for the CAPT				
ACP				
Loss of the 3rd OCCPNT ACP		i	293	ALL
Emergency Function for the F/O ACP Loss of the AUDIO 3XFRD Indication			204	ALL
after the AUDIO SWITCHING Selector			270	ALL
Switch is set to CAPT/3				
Loss of the AUDIO 3XFRD Indication			297	ALL
after the AUDIO SWITCHING Selector				

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SUBJECT	CH/SE/SU	<u>c</u> .	PAGE	<u>EFFECTIVITY</u>
Switch is set to F/O/3 Loss of the BUS 4 Data from the CFDIU to the AMU			298	ALL
Loss of the Transmission from the Captain Oxygen Mask Microphone		ı	A200	ALL
Loss of the Transmission from the First Officer Oxygen Mask Microphone		,	A201	ALL
LGCIU1/AMU Interface Fault		ı	A202	ALL
STATIC DISCHARGER FAULT ISOLATION PROCEDURES	23-61-00		201	ALL
Radio Communications Become Noisy When Flying Through Cloud, Rain or Dust				ALL
High Bonding Resistance between the Static-Discharger Retainer and the Main Structure			203	ALL
COCKPIT VOICE RECORDER	23-71-00			
FAULT ISOLATION PROCEDURES Loss of the Audio Feedback in the			201	ALL ALL
Loud Speakers Failure of the Audio Feedback on			203	ALL
the CVR Headset Jack Recording on One or All Channels Inoperative (Operative on the CVR			204	ALL
MIC Channel Only) Cockpit Voice Recording			205	ALL
Inoperative Recording on All the Channels			207	ALL
Inoperative				
ANTI HIJACK CAMERA MONITORING FAULT ISOLATION PROCEDURES	23-72-00		201	201-201, 203-204 206-225, 227-227 229-231, 233-244 254-279, 281-281 283-299, 426-499 701-749,
Camera 1 Failure			201	201-201, 203-204 206-225, 227-227 229-231, 233-244 254-279, 281-281 283-299, 426-499 701-749,

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SUBJECT	CH/SE/SU		EFFECTIVITY
Camera 1 Failure		204	201-201, 203-204
			206-225, 227-227
			229-231, 233-244
			254-279, 281-281
			283-299, 426-499
			701-749,
Camera 2 Failure		206	201-201, 203-204
			206-225, 227-227
			229-231, 233-244
			254-279, 281-281
			283-299, 426-499
			701-749,
Camera 2 Failure		209	201-201, 203-204
			206-225, 227-227
			229-231, 233-244
			254-279, 281-281
			283-299, 426-499
			701-749,
Camera 3 Failure		21	
			206-225, 227-227
			229-231, 233-244
			254-279, 281-281
			283-299, 426-499
			701-749,
Camera 3 Failure		214	-
			206-225, 227-227
			229-231, 233-244
			254-279, 281-281
			283-299, 426-499
			701-749,
LCD Monitor Failure		216	201-201, 203-204
			206-225, 227-227
			229-231, 233-244
			254-279, 281-281
			283-299, 426-499
			701-749,
LCD Monitor Failure		220	201-201, 203-204
			206-225, 227-227
			229-231, 233-244
			254-279, 281-281
			283-299, 426-499
			701-749,
			-
	_		
ANTI HIJACK CAMERA MONITORING	23-72-00		204 204 205 227
TASK SUPPORTING DATA		3 0'	201-201, 203-204
		27	G-CONTENTS Page 17
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			,

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		_		206-225, 227-227
				229-231, 233-244
				254-279, 281-281
				283-299, 426-499
				701-749,
The block diagrams that follow			301	
give you a logical view of the			501	206-225, 227-227
system/sub-system to help you do				229-231, 233-244
the related trouble shooting				254-279, 281-281 283-299, 426-499
procedures.				
				701-749,
CABIN INTERCOMMUNICATION DATA SYSTEM	23-73-00			
(CIDS)				
FAULT ISOLATION PROCEDURES			201	ALL
Director - Fault in Director 1 and			201	
Director 2				
CIDS - No CIDS function in 50% of			207	ALL
the cabin				
CIDS - No CIDS function in 20% of			211	ALL
the cabin				
DEU-B - Fault in all DEU-B with a			215	ALL
connected handset				
Director 1 fault			217	ALL
Director 2 fault			218	ALL
Director 1 data transmission fault			219	
Director 2 data transmission fault			220	
CIDS - Fault in all CIDS-related			221	
cabin functions				/
PA - No PA and cabin interphone			224	ALL
from cockpit boomset/mike				
PA - No PA from cockpit handset			229	ALL
PA - No PA and cabin interphone			233	ALL
from one cabin handset				
PA - No PA and cabin interphone			237	ALL
from two and more cabin handsets				
FAP - No control of the CIDS cabin			240	ALL
systems				/
PTP - Fault on the Programming and			242	ALL
Test Panel				/
AAP - No control of the CIDS cabin			243	ALL
systems				
Cockpit switches - No reaction			245	ALL
from CIDS-related cockpit switches				: : -==
ACP - No indication on one Area			252	ALL
Call Panel				
oute runce				

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SUBJECT AIP - Incorrect Indication or no Indication on one Attendant	CH/SE/SU	<u>c</u>		EFFECTIVITY ALL
<pre>Indication Panel PA - No audio signals from one or two loudspeakers in series</pre>			257	ALL
Sign - Info sign at one PSIU does not come on			259	201-225, 227-227 229-299, 426-455 476-499, 503-549
			244	551-599, 701-749
Sign - Info signs in series on one cabin side do not come on			261	ALL
PSIU - No Pax Call from one PSIU			262	ALL
PSIU - No Pax Call from two or			264	ALL
three PSIUs in series				
Boarding Function - No seat-row			265	ALL
number illumination				
DEU-A - Fault in DEU-A 200RHxx			268	ALL
with connected systems/devices				
DEU-B - Fault in DEU-B 300RHx with			272	ALL
connected systems/devices			27/	A. I.
CIDS - Fault in CIDS TOP BUS 1 L CIDS - Fault in CIDS TOP BUS 2 L				ALL
CIDS - Fault in CIDS TOP BUS 2 L			A216	ALL
CIDS - Fault in CIDS TOP BUS 1 R				
CIDS - Fault in the CIDS MID BUS L			A236	
CIDS - Fault in the CIDS MID BUS R			A255 A272	
FAP - Fault in the Forward				ALL
Attendant Panel			A270	ALL
FAP - FAP(x) no data from active			A293	Al I
Director			AL/J	ALL
PTP - Fault in the Programming and			A296	ALL
Test Panel			,	
AAP - Fault in the AAP (126RH)			A299	ALL
CAM/FAP - Fault in the CAM or FAP			B203	ALL
PTP - Fault in the Programming and			B206	ALL
Test Panel data transfer				
CAM - Fault in the Cabin			B209	ALL
Assignment Module data transfer				
Sign - Fault in the NO SMOKING			B212	ALL
sign				
Sign - Fault in the FASTEN SEAT			B215	ALL
BELT sign			-040	
Sign - Fault in the RETURN TO SEAT			B218	ALL
sign in Lav(x)			D224	A. I
AIP - Fault in the FWD LH			B221	ALL
Attendant Indication Panel				

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SUBJECT	CH/SE/SU	<u>c</u>		EFFECTIVITY
AIP - Fault in the MID LH Attendant Indication Panel			B223	276-299, 476-480 503-549,
AIP - Fault in the MID RH			B225	481-499,
Attendant Indication Panel				.0,,
AIP - Fault in the EXIT RH			B227	276-299, 476-499
Attendant Indication Panel				503-549,
AIP - Fault in the AFT LH			B229	ALL
Attendant Indication Panel			_	
AIP - Fault in the AFT RH			B231	ALL
Attendant Indication Panel			D277	A 1.1
PTP - CIDS FAIL or CIDS			B233	ALL
<pre>DEGRADATION status message Crew buzzer starts unwanted in the</pre>			B234	Al I
cockpit			6234	ALL
No PA and no Interphone from both			B235	-
AFT ATTND Stations				229-275, 426-475
			-077	551-599, 701-749
CFDS - Mandatory Layout or			B237	ALL
Emergency Mode in use EVAC - No function of the EVAC			P270	276-299, 479-499
indication on 2064VU panel			B237	210-277, 417-477
EVAC - No function of the RESET			B241	276-299, 479-499
pushbutton on 2064VU panel			5 2-7.	210 2777 417 477
CIDS MISMATCH - CAM or Director			B243	ALL
with incorrect part number				
No data from SDAC 1			B244	
No data from CFDIU			B247	
FAP - Light Module - No or wrong			B249	ALL
function				
FAP - Audio Module - No or wrong			B251	ALL
function FAP - Miscellaneous Module - No or			B253	ALI
wrong function			6273	ALL
PAX CALL lamp at LAV(x) fault			B255	ALL
PAX CALL lamp / Seat-row			B257	
identifier fault			_	
Circuit breaker / CAN BUS fault			B260	456-475,
CAM/PTP Fault			B262	ALL
Cabin/Cockpit Incident Alert			B264	ALL
System - Cabin alert starts				
spuriously			D2//	A1.1
Emergency Evacuation Signaling			B266	ALL
System - Evac horn starts				
spuriously				

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SUBJECT CABIN INTERCOMMUNICATION DATA SYSTEM CH/SE/SU C PAGE EFFECTIVITY 23-73-00

(CIDS)

TASK SUPPORTING DATA 301 ALL

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COMMUNICATIONS - FAULT SYMPTOMS

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

Upper ECAM DU Warnings

	COM ACARS	S FAULT					232400 P 212 T 810 814
	COM ACARS	S FAULT	ACARSMU	ACARS MU (1RB)	232434	1	232400 P 201 T 810 801
	COM ACARS	S FAULT	ACARSMU	ATSU1(1TX1)	462134	1	462100 P 201 T 810 801
	COM ACARS	S FAULT	ACARSMU	WRG: PIN PROG/ ACARS MU (1RB)	232434	1	232400 P 202 T 810 802
	COM ACARS	S FAULT	ATSU	ATSU1(1TX1)	462134	1	462100 P 201 T 810 801
R	COM CIDS	1+2 FAULT	CIDS 1	ALL DEU-B WI HANDSET	237300	1	237300 P 215 T 810 880
	COM CIDS	1+2 FAULT	CIDS 1	DIRECTOR	237334	2	237300 P 201 T 810 879
	COM CIDS	1+2 FAULT	CIDS 1	DIRECTOR associated with	İ		237300 P 201 T 810 879
			CIDS 2	DIRECTOR	237334	2	
	COM CIDS	1+2 FAULT	CIDS 1	DIR1(101RH)	237334	2	237300 P 201 T 810 879
	COM CIDS	1+2 FAULT	CIDS 1	DIR1(101RH)	237334	2	237300 P 201
				associated with	İ		т 810 879
			CIDS 2	DIR2 (102RH)	237334	2	
R	COM CIDS	1+2 FAULT	CIDS 1	20% DEU-A IN 1 ZONE	237300	1	237300 P 211 T 810 882
R	COM CIDS	1+2 FAULT	CIDS 1	50% DEU-A	237300	1	237300 P 207 T 810 881
R	COM CIDS	1+2 FAULT	CIDS 2	ALL DEU-B WI HANDSET	237300	1	237300 P 215 T 810 880

EFF: ALL

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	WARNINGS/MALFUNCTIONS		FAULT ISOLATION			
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE
	COM CIDS 1+2 FAULT	CIDS 2	DIRECTOR	237334	2	237300 P 201 T 810 879
	COM CIDS 1+2 FAULT	CIDS 2	DIR2 (102RH)	237334	2	237300 P 201 T 810 879
	COM HF1 DATA FAULT	ATSU	HFDR1(3RE1)/ATSU1(1TX1)	231133	1	462100 P 274 T 810 845
R	COM HF1 EMITTING					231100 P 216 T 810 807
R	COM HF2 EMITTING					231100 P 225 T 810 808
	COM SATCOM DATA FAULT	ATSU	SDU1(5RV1)/ATSU1(1TX1)	232834	1	462100 P 227 T 810 816
	COM SATCOM DATA FAULT	SDU	ADIRU1(1FP1)+ADIRU2 (1FP2)/SDU1(105RV1)	341234	1	232800 P 225 T 810 814
	COM SATCOM FAULT	ATSU	SDU1(5RV1)/ATSU1(1TX1)	232834	1	462100 P 227 T 810 816
	COM SATCOM FAULT	ECAM 1	FWC1: NO DATA FROM SATCOM	232834	1	315300 PA246 T 810 948
	COM SATCOM FAULT	ECAM 1	FWC2 : NO DATA FROM SATCOM	232834	1	315300 PA248 T 810 949
	COM SATCOM FAULT	ECAM 2	FWC1 : NO DATA FROM SATCOM	232834	1	315300 PA246 T 810 948
	COM SATCOM FAULT	ECAM 2	FWC2: NO DATA FROM SATCOM	232834	1	315300 PA248 T 810 949
	COM SATCOM FAULT	SDU	ANTENNA1(116RV1)	232811	1	232800 P 205 T 810 803
	COM SATCOM FAULT	SDU	ANTENNA1(116RV1)/ SDU1(105RV1)	232811	1	232800 P 207 T 810 804
	COM SATCOM FAULT	SDU	SDU1(105RV1)	232834	1	232800 P 201 T 810 801

EFF: ALL SROS

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WARNINGS/MALFUNCTIONS	<u> </u>	FAULT ISOLATION			
WARNINGS/MALFUNCTIONS	SOURCE MESSAGE ATA		ATA	С	PROCEDURE
COM SATCOM FAULT	SDU	SDU1(105RV1)RX COAX	232834	1	232800 P 231 T 810 817
COM SATCOM FAULT	SDU	WRG:CONFIG PIN PROG /SDU1(105RV1)	232834	1	232800 P 211 T 810 806
COM SATCOM FAULT	SDU	WRG:ICAO ADRESS PIN PROG //SDU1(105RV1)	232834	1	232800 P 229 T 810 816
COM VHF1 EMITTING					231200 P 219 T 810 810
COM VHF2 EMITTING					231200 P 226 T 810 811
COM VHF3 DATA FAULT	ATSU	VDR3(1RC3)/ATSU1(1TX1)	231233	1	462100 P 224 T 810 815
COM VHF3 DATA FAULT associated with DATALINK COMPANY FAULT	ATSU	VDR3(1RC3)/ATSU1(1TX1)	231233	1	462100 P 224 T 810 815
COM VHF3 EMITTING					231200 P 233 T 810 812

STS-Inop System

	ACARS			462100 P 270 T 810 843	
-				1 0 10 045	

STS-Maintenance

R	CIDS 1	CFDS	1	NO CIDS1 DATA associated with DIRECTOR	237334 237334		313200 PB206 T 810 940
R	CIDS 1	CFDS	1	NO CIDS1 DATA associated with DIR1(101RH)	237334 237334		313200 PB206 T 810 940
	CIDS 1	CIDS '	1	DIRECTOR	237334	2	237300 P 217 T 810 894

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	C	
CIDS 1	CIDS 1	DIR1(101RH)	237334	2	237300 P 217 T 810 894
CIDS 2	CIDS 2	DIRECTOR	237334	2	237300 P 218 T 810 895
CIDS 2	CIDS 2	DIR2 (102RH)	237334	2	237300 P 218 T 810 895

Upper ECAM DU Flags

AMU No ECAM indication after audio switching CAPT/3	235100 P 296 T 810 844
 AMU No ECAM indication after audio switching F/O /3	235100 P 297 T 810 845

EFF: ALL SROS Printed in France **23-ECAM**

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COMMUNICATIONS - FAULT SYMPTOMS

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

FAP (120RH)

R	COM-CIDS-FAP CAUTION Light on	CIDS 1	CAM (115RH)	237319	1	237300 PB203 T 810 857
R	COM-CIDS-FAP CAUTION Light on	CIDS 1	CAM (115RH)/ FAP <name> (120RH)</name>	237319	1	237300 PB203 T 810 857
R	COM-CIDS-FAP CAUTION Light on	CIDS 1	CIDS MID BUS L/ DIR1 (101RH)	237300	1	237300 PA255 T 810 836
R	COM-CIDS-FAP CAUTION Light on	CIDS 1	CIDS MID BUS R/ DIR1 (101RH)	237300	1	237300 PA272 T 810 837
R	COM-CIDS-FAP CAUTION Light on	CIDS 1	CIDS TOP BUS 1L/ DIR 1 (101RH)	237300	1	237300 P 276 T 810 832
R	COM-CIDS-FAP CAUTION Light on	CIDS 1	CIDS TOP BUS 1R/ DIR 1 (101RH)	237300	1	237300 PA216 T 810 834
R	COM-CIDS-FAP CAUTION Light on	CIDS 1	DRAINMAST HEATER AFT	307151	1	307100 P 206 T 810 802
	COM-CIDS-FAP CAUTION Light on	CIDS 1	DRAINMAST HEATER FWD	307151	1	307100 P 201 T 810 801
R	COM-CIDS-FAP CAUTION Light on	CIDS 1	DRAINMAST UNIT AFT	307134	1	307100 P 216 T 810 804
R	COM-CIDS-FAP CAUTION Light on	CIDS 1	DRAINMAST UNIT FWD	307134	1	307100 P 211 T 810 803

FWD ATTND Pnl (Z221)

R	COM-CIDS-FAP	CAUT L	T on	CIDS 1	CAM	237319	237300 PB203 T 810 857
R	COM-CIDS-FAP	CAUT L	T on	CIDS 1	CIDS MID BUS L	237300	237300 PA255 T 810 836

EFF: ALL

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	WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES	 S		FAULT ISOLATION
	WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	!
R	COM-CIDS-FAP CAUT LT on	CIDS 1	CIDS MID BUS R	237300	1	237300 PA272 T 810 837
R	COM-CIDS-FAP CAUT LT on	CIDS 1	CIDS TOP BUS 1 L	237300	1	237300 P 276 T 810 832
R	COM-CIDS-FAP CAUT LT on	CIDS 1	CIDS TOP BUS 1 R	237300	1	237300 PA216 T 810 834
R	COM-CIDS-FAP CAUT LT on	CIDS 1	CIDS TOP BUS 2 L	237300	1	237300 P 296 T 810 833
R	COM-CIDS-FAP CAUT LT on	CIDS 1	CIDS TOP BUS 2 R	237300	1	237300 PA236 T 810 835
R	COM-CIDS-FAP CAUT LT on	CIDS 1	DRAINMAST HEATER AFT	307151	1	307100 P 206 T 810 802
	COM-CIDS-FAP CAUT LT on	CIDS 1	DRAINMAST HEATER FWD	307151	1	307100 P 201 T 810 801
R	COM-CIDS-FAP CAUT LT on	CIDS 1	DRAINMAST UNIT AFT	307134	1	307100 P 216 T 810 804
R	COM-CIDS-FAP CAUT LT on	CIDS 1	DRAINMAST UNIT FWD	307134	1	307100 P 211 T 810 803
R	COM-CIDS-FAP CAUT LT on	CIDS 1	FWD ATTND PNL	237312	1	237300 PA290 T 810 838
R	COM-CIDS-FAP CAUT LT on	CIDS 1	NO CAM DATA	237319	1	237300 PB209 T 810 860
R	COM-CIDS-FAP CAUT LT on	CIDS 1	NO FAP DATA	237312	1	237300 PA293 T 810 858
R	COM-CIDS-FAP CAUT LT on associated with COM-CIDS-PTP CIDS DEGRADATION - DON'T USE PROGRAMMING MODE	CIDS 1	NO FAP DATA	237312	1	237300 PB262 T 810 952
R	COM-CIDS-FAP CAUT LT on	CIDS 1	NO P+TP DATA	237318	1	237300 PB206 T 810 859

EFF: ALL

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	WARNINGS/MALFUNCTIONS -		CFDS FAULT MESSAGES			FAULT ISOLATION
	WARNINGS/ FIALT UNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE
R	COM-CIDS-FAP CAUT LT on	CIDS 1	P&T PNL	237318	1	237300 PA296 T 810 856

ACP (11VU/20 VU)

	-	T	[
MECH indicator light		ĺ	234200 P 203
ing on the result of the resul	!	!	!!
does not come on			T 810 803
	i	i	i i

EXT PWR Pnl (108VU)

	T	т	Γ1
COCKPIT CALL indicator	ĺ	ĺ	234200 P 201
light does not come on	j	İ	т 810 801
i	1	i	i i

EFF: ALL

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COMMUNICATIONS - FAULT SYMPTOMS

LIADNINGS (MALEUNGITONS	T	CFDS FAULT MESS	AGES		FAULT
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	ISOLATION PROCEDURE
ACARS - Loss of data communication					232400 P 217 T 810 819
ACARS - loss of data communication in reception only					232400 P 214 T 810 816
ACARS - Loss of data communication in transmission only					232400 P 213 T 810 815
ACARS - Loss of the frequency control					232400 P 219 T 810 820
ACARS - Loss of the frequency control on RMP1					232400 P 221 T 810 821
ACARS - Loss of the frequency control on RMP2					232400 P 222 T 810 822
ACARS - Loss of the frequency control on RMP3					232400 P 223 T 810 823
ACARS - Loss of the SELCAL data					232400 P 215 T 810 817
ACARS - VHF3 cannot operate in DATA mode					232400 P 216 T 810 818
AMU Incorrect reception at the avncs compt station					235100 P 268 T 810 832
AMU Incorrect reception at the capt station					235100 P 259 T 810 829
AMU Incorrect reception at the F/O station					235100 P 262 T 810 830

EFF :	ALL	
SROS		Printed in France

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	WARNINGS/MALFUNCTIONS	L	CFDS FAULT MESSAGES	 S		FAULT ISOLATION
	WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE
R	AMU Incorrect reception at the 3rd occupant station					235100 P 265 T 810 831
R	AMU Inoperative microphone at the CAPT boomset					235100 P 272 T 810 835
R	AMU Inoperative microphone at the CAPT oxygen mask					235100 PA200 T 810 848
R	AMU Inoperative microphone at the F/O boomset					235100 P 274 T 810 836
R	AMU Inoperative microphone at the F/O oxygen mask					235100 PA201 T 810 849
R	AMU Inoperative supplementa- ry headset				 	235100 P 270 T 810 834
R	AMU Inoperative audio switching CAPT/3					235100 P 290 T 810 842
R	AMU Inoperative audio switching F/O /3					235100 P 293 T 810 843
R	AMU Inoperative avncs compt boomset microphone					235100 P 278 T 810 838
R	AMU Inoperative CAPT loudspeaker					235100 P 280 T 810 840
R	AMU Inoperative F/O loudspeaker					235100 P 285 T 810 841
R	AMU Inoperative 3rd occpnt boomset microphone					235100 P 276 T 810 837
	COCKPIT CALL- aural warn does not operate during ground mechanic call					234200 P 207 T 810 805

EFF :	ALL			
SROS				

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	 WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES			FAULT ISOLATION
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!!!
	COCKPIT CALL- horn does not operate during crew member call					234200 P 205 T 810 804
	COCKPIT CALL- IND LT continuous operation of the Crew Call Buzzer					234200 P 211 T 810 808
	COCKPIT CALL- IND LT and aural warning fail during ground MECH call					234200 P 210 T 810 807
	COCKPIT CALL- IND LT and horn do not operate during crew member call					234200 P 208 T 810 806
	COM - Upper ECAM DU - right memo - CABIN READY unwanted display					315400 PA273 T 810 952
R	COM-CIDS ACP - no indication on 1 ACP					237300 P 252 T 810 870
R	COM-CIDS AIP - no indication on 1 AIP				 	237300 P 255 T 810 871
R	COM-CIDS Boarding function - no seatrow number illum.					237300 P 265 T 810 877
	COM-CIDS boomset/mike failure					237300 P 224 T 810 862
R	COM-CIDS Cabin alert starts spuriously				 	237300 PB264 T 810 953
	COM-CIDS CIDS - no function					237300 P 221 T 810 861
R	COM-CIDS Cockpit - no control from CIDS systems					237300 P 245 T 810 869
R	COM-CIDS cockpit handset failure					237300 P 229 T 810 863

EFF :	ALL		
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	WARNINGS/MALFUNCTIONS		FAULT ISOLATION			
	WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	!!
R	COM-CIDS Evac horn starts spuriously					237300 PB266 T 810 955
R	COM-CIDS EVAC- no function of RESET P/B on 2064VU					237300 PB241 T 810 905
R	COM-CIDS EVAC- no indication on 2064VU					237300 PB239 T 810 904
R	COM-CIDS Info Sign at one PSIU does not come on					237300 P 259 T 810 873
R	COM-CIDS Info Signs at one cabin side do not come on					237300 P 261 T 810 874
R	COM-CIDS loudspeakers-no signals from 1-2 ls. in series					237300 P 257 T 810 872
R	COM-CIDS loudspeakers-no signals from 1-2 ls. in series	CIDS 1	LOUDSPEAKER <appl. area=""> SRXX YY</appl.>	237351	3	237300 P 257 T 810 872
R	COM-CIDS MISMATCH - A319 CAM REQURED - CIDS INOP					237300 PB243 T 810 907
R	COM-CIDS MISMATCH - A320 CAM REQUIRED - CIDS INOP					237300 PB243 T 810 907
R	COM-CIDS MISMATCH - A321 CAM REQURED - CIDS INOP					237300 PB243 T 810 907
R	COM-CIDS No PA and INTPHONE from both AFT ATTND stations associated with COM-CIDS-PTP CIDS DEGRADATION - CHECK CIDS FUNCT. ATT: XX	CIDS 1	DEU-B 300RH5	237347	1	237300 PB235 T 810 902
R	COM-CIDS PA- no PA and Interphone from 1 cabin handset					237300 P 233 T 810 864

EFF :	ALL

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	WARNINGS/MALFUNCTIONS		FAULT ISOLATION			
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!!
R	COM-CIDS PA- no PA and Interphone from 2 and more handsets					237300 P 237 T 810 865
R	COM-CIDS Pax Call - no Pax Call from 2-3 PSIUs in series					237300 P 264 T 810 876
R	COM-CIDS Pax Call- no Pax Call from one PSIU					237300 P 262 T 810 875
R	COM-CIDS spurious crew call buzzer activation					237300 PB234 T 810 901
	COM-CIDS- Abnormal noise from Interphone and PA-System					234400 P 204 T 810 802
R	COM-CIDS-AAP no control of cabin systems					237300 P 243 T 810 868
	COM-CIDS-AIP SERV INT IN USE Message stays on					234400 P 204 T 810 802
	COM-CIDS-AIP SERV INT IN USE spuriously displayed					234400 P 204 T 810 802
R	COM-CIDS-FAP Illumination modul - No or wrong function					237300 PB249 T 810 913
R	COM-CIDS-FAP Miscellaneous Modul - No or wrong function					237300 PB253 T 810 915
R	COM-CIDS-FAP Audio Modul - No or wrong function					237300 PB251 T 810 914
R	COM-CIDS-FAP no Control of cabin functions					237300 P 240 T 810 866

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	WARNINGS/MALFUNCTIONS		FAULT ISOLATION			
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!
R	COM-CIDS-PTP CIDS DEGRADATION - CHECK CIDS FUNCT. ATT: XX associated with COM-CIDS No PA and INTPHONE from both AFT ATTND stations	CIDS 1	DEU-B 300RH5	237347	1	237300 PB235 T 810 902
R	COM-CIDS-PTP CIDS DEGRADATION - CHECK FWD ATTND PANEL	CIDS 1	NO FAP DATA	237312	1	237300 PA293 T 810 858
R	COM-CIDS-PTP CIDS DEGRADATION - DON'T USE PROGRAMMING MODE associated with FWD ATTND Pnl (Z221) COM-CIDS-FAP CAUT LT on	CIDS 1	NO FAP DATA	237312	1	237300 PB262 T 810 952
R	COM-CIDS-PTP no function					237300 P 242 T 810 867
R	COM-CIDS-PTP SHORT A319 CAM REQUIRED CIDS INOP					237300 PB243 T 810 907
R	COM-CIDS-PTP SHORT A320 CAM REQUIRED CIDS INOP					237300 PB243 T 810 907
R	COM-CIDS-PTP SHORT A321 CAM REQUIRED CIDS INOP					237300 PB243 T 810 907
R	COM-CIDS-PTP SYSTEM STATUS - CIDS DEGRADATION					237300 PB233 T 810 900
R	COM-CIDS-PTP SYSTEM STATUS - CIDS FAIL					237300 PB233 T 810 900
	COM-CKPT.DOOR SURV.SYS Camera image on LCD stays in last view					237200 P 216 T 810 807
	COM-CKPT.DOOR SURV.SYS Camera 1 picture quality bad and green LED is on					237200 P 204 T 810 802

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HADNINGS /MALEUNGTIONS	 	FAULT			
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	ISOLATION PROCEDURE
COM-CKPT.DOOR SURV.SYS Camera 1, no picture and the green LED flashes					237200 P 201 T 810 801
COM-CKPT.DOOR SURV.SYS Camera 2 picture quality bad and green LED is on					237200 P 209 T 810 804
COM-CKPT.DOOR SURV.SYS Camera 2, no picture and the green LED flashes					237200 P 206 T 810 803
COM-CKPT.DOOR SURV.SYS Camera 3 picture quality bad and green LED is on					237200 P 214 T 810 806
COM-CKPT.DOOR SURV.SYS Camera 3, no picture and the green LED flashes					237200 P 211 T 810 805
COM-CKPT.DOOR SURV.SYS Failure history cannot be cleared					237200 P 216 T 810 807
COM-CKPT.DOOR SURV.SYS Failure history on LCD incorrectly shown					237200 P 216 T 810 807
COM-CKPT.DOOR SURV.SYS Green LED flashes					237200 P 220 T 810 808
COM-CKPT.DOOR SURV.SYS Images on LCD are not correct (bad/dim/bright)					237200 P 216 T 810 807
COM-CKPT.DOOR SURV.SYS Incorrect image on LCD when CKPT entry request					237200 P 216 T 810 807
COM-CKPT.DOOR SURV.SYS Incorrect image on LCD when PDM is excited					237200 P 216 T 810 807
COM-CKPT.DOOR SURV.SYS LCD does not go into Power-Down-Mode (PDM)					237200 P 216 T 810 807

EFF: ALL

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	WARNINGS/MALFUNCTIONS		FAULT ISOLATION			
	WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE
	COM-CKPT.DOOR SURV.SYS LCD screen dark					237200 P 216 T 810 807
	CVR- In CVR test mode, no audio feedback from CVR on CVR headset jack					237100 P 203 T 810 802
	CVR- In CVR test mode, no audio feedback to CAPT and F/O LS					237100 P 201 T 810 801
	CVR- No recording on all				 	237100 P 207 T 810 805
	CVR- No recording on CVR microphone channel					237100 P 205 T 810 804
	CVR- No recording on one CHAN or all CHAN other than CVR MIC CHAN					237100 P 204 T 810 803
R	HF1 & HF2 Loss of both systems					231100 P 239 T 810 812
R	HF1 Audio signal after 15 s of emission					231100 P 241 T 810 813
R	HF1 Loss of emission					231100 P 245 T 810 815
R	HF1 Loss of reception					231100 P 247 T 810 816
R	HF1 Loss of the system				 	231100 P 235 T 810 810
R	HF1/HF2 Loss of one or two HF transmission/reception					231100 P 262 T 810 823
R	HF2 Audio signal after 15 s of emission				 	231100 P 243 T 810 814
R	HF2 Loss of emission					231100 P 249 T 810 817

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WARNINGS/MALFUNCTIONS		FAULT ISOLATION			
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!
HF2 Loss of reception					231100 P 251 T 810 818
HF2 Loss of the system					231100 P 237 T 810 811
PASSENGER ENTERTAINMENT One or more function(s) of a PCU inoperative					233300 P 275 T 810 843
PAX ENTERTAINMENT (VID.) Fault of a Display Unit to extend					233600 P 201 T 810 801
PVIS No Indication on Display Units					233400 P 201 T 810 802
Radio comms become noisy when flying through cloud, rain or dust					236100 P 201 T 810 801
RMP1 display off	RMP123	RMP1 : NO DATA FROM RMP1 associated with RMP2 : NO DATA FROM RMP1	İ		т 810 852
RMP1 display off	RMP 123	RMP1 : NO DATA FROM RMP1 associated with	231313	1	 231300 P 233 T 810 817
	RMP 123	RMP2 : NO DATA FROM RMP1	231313	1	
	IDENT:	IDENT: CFDS, HF 1, VHF 1			
RMP1 display off	RMP 123	RMP1(1RG1)	231313	1	231300 P 287
	RMP 123	associated with RMP1(1RG1)/RMP2(1RG2)	231313	1	Т 810 852
RMP1 display off	RMP 123	RMP1(1RG1)	231313	1	231300 P 291
	RMP 123	associated with RMP1(1RG1)/RMP2(1RG2)	231313	1	T 810 854
	RMP 123	and RMP1(1RG1)/RMP3(1RG3)	231313	1	
RMP1 display off	RMP 123	RMP1(1RG1)	231313	1	231300 P 233
	RMP 123	associated with RMP1(1RG1)/RMP2(1RG2)	231313	1	T 810 817
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WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES	 S		FAULT ISOLATION
WARNINGS/ MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!
RMP1 display off	RMP 123	RMP1(1RG1) associated with	231313	1	231300 P 262 T 810 829
	RMP 123	RMP1(1RG1)/RMP2(1RG2)	231313	1	1
	RMP 123	RMP1(1RG1)/RMP3(1RG3)	231313	1	
	IDENT:	CFDS, HF 1, VHF 1			
RMP1 No frequency transfert					231300 P 275 T 810 843
RMP2 display off	RMP 123	RMP2 : NO DATA FROM RMP2 associated with	231313	1	231300 P 289 T 810 853
	RMP 123	RMP1 : NO DATA FROM RMP2	231313	1	!
RMP2 display off	RMP 123	RMP2 : NO DATA FROM RMP2 associated with	231313	1	231300 P 237 T 810 818
	RMP 123	RMP1 : NO DATA FROM RMP2	231313	1	!
	IDENT:	HF 2, VHF 2			
RMP2 display off	RMP 123	RMP2(1RG2)	231313	1	231300 P 289 T 810 853
	RMP 123	RMP2(1RG2)/RMP1(1RG1)	231313	1	!
RMP2 display off	RMP 123	RMP2(1RG2) associated with	231313	1	231300 P 293 T 810 855
	RMP 123	RMP2(1RG2)/RMP1(1RG1)	231313	1	1
	RMP 123	RMP2(1RG2)/RMP3(1RG3)	231313	1	
RMP2 display off	RMP 123	RMP2(1RG2) associated with	231313	1	231300 P 237 T 810 818
	RMP 123	RMP2(1RG2)/RMP1(1RG1)	231313	1	1
	IDENT:	HF 2, VHF 2			
RMP2 display off	RMP 123	RMP2(1RG2) associated with	231313	1	231300 P 265 T 810 830
	RMP 123	RMP2(1RG2)/RMP1(1RG1)	231313	1	010 030
	RMP 123	and RMP2(1RG2)/RMP3(1RG3) 	231313	1	
	IDENT:	HF 2, VHF 2]

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	WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION	
	WARNINGS/MALFONCTIONS	SOURCE	MESSAGE	ATA	С	!!	
	RMP2 No frequency transfert					231300 P 276 T 810 844	
	RMP3 display off	RMP 123	RMP3(1RG3) associated with		İ	231300 P 268 T 810 831	
		RMP 123	RMP3(1RG3)/RMP2(1RG2) and RMP3(1RG3)/RMP1(1RG1)	231313 231313			
	RMP3 No frequency transfert			 	 	231300 P 277 T 810 845	
R	SELCAL RAD contact with the A/C through all COM SYS INOP					235100 P 257 T 810 828	
R	SELCAL RAD contact with the A/C through the HF1 SYS INOP					235100 P 245 T 810 823	
R	SELCAL RAD contact with the A/C through the HF2 SYS INOP					235100 P 248 T 810 824	
R	SELCAL RAD contact with the A/C through VHF1 SYS INOP					235100 P 251 T 810 825	
R	SELCAL RAD contact with the A/C through VHF2 SYS INOP					235100 P 253 T 810 826	
R	SELCAL RAD contact with the A/C through VHF3 SYS INOP					235100 P 255 T 810 827	
	SERVICE INTERPHONE Abnormal Noise from Interphone and PA-System				 	234400 P 204 T 810 802	
	SERVICE INTERPHONE No Communication between Cockpit/Cabin and Jacks				 	234400 P 201 T 810 801	

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION	
WARNINGS/ MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!!	
Static discharger retainer to structure resistance is high					236100 P 203 T 810 802	
VHF VHF1 system					231200 P 260 T 810 823	
VHF VHF2 system					231200 P 262 T 810 824	
VHF VHF3 system				 	231200 P 263 T 810 825	
VHF1 Background Noise on VHF1 with frequency 135,97Mhz					231200 P 259 T 810 822	
VHF1 Loss of transmission					231200 P 243 T 810 813	
VHF1 Loss of reception					231200 P 246 T 810 814	
VHF1/VHF2/VHF3 Loss of one or more VHF transmission/reception				 	231200 P 267 T 810 827	
VHF2 Loss of transmission					231200 P 247 T 810 815	
VHF2 Loss of reception					231200 P 248 T 810 816	
VHF3 Loss of transmission				 	231200 P 249 T 810 817	
VHF3 Loss of reception				† —-	231200 P 251 T 810 818	

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COMMUNICATIONS - FAULT SYMPTOMS

LIADNINGS / MALEUNCTIONS	CFDS FAULT MESSAGES				
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	АТА	С	ISOLATION PROCEDURE
	ACARSMU	ACARS MU (1RB)	232434	3	232400 P 201 T 810 801
	ACARSMU	CT1(2RF)/ATSU1(1TX1)	237431	3	462100 P 232 T 810 818
	ACARSMU	CT2(190MH)/ATSU1(1TX1)	233434	3	462100 P 234 T 810 819
	ACARSMU	SDU1(5RV1)/ATSU1(1TX1)	232834	1	462100 P 227 T 810 816
	ACARSMU	VHF3(1RC3)/ATSU1(1TX1)	231233	1	462100 P 224 T 810 815
	ACARSMU	WRG: PIN PROG/ ACARS MU (1RB)	232434	3	232400 P 202 T 810 802
	AFS	AFS: ACARS	232434	1	228300 P 253 T 810 837
	AMU	ACP1(2RN1)	235122	1	235100 P 201 T 810 801
	AMU	ACP1(2RN1)/AMU(1RN)	235122	1	235100 P 217 T 810 808
	AMU AMU	ACP1(2RN1)/AMU(1RN) associated with AMU(1RN)	235122 235134		235100 P 232 T 810 818
	IDENT: (CFDS			
	AMU	ACP2(2RN2)	235122	1	235100 P 203 T 810 802
	AMU	ACP2(2RN2)/AMU(1RN)	235122	1	235100 P 219 T 810 809
	AMU AMU	ACP2(2RN2)/AMU(1RN) associated with AMU(1RN)	235122 235134	İ	235100 P 236 T 810 819
	IDENT: (i	L	L	

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	WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES				
	WARNINGS/ MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	ISOLATION PROCEDURE	
		AMU	ACP3(2RN3)	235122	1	235100 P 205 T 810 803	
		AMU	ACP3(2RN3)/AMU(1RN)	235122	1	235100 P 221 T 810 810	
R		AMU	ACP3(2RN3)/AMU(1RN) associated with	235122	1	235100 P 240 T 810 820	
		AMU	AMU(1RN)	235134	1	0.0 020	
		IDENT:	CFDS				
		AMU	ACP4(2RN4)	235122	1	235100 P 207 T 810 804	
		AMU	ACP4(2RN4)/AMU(1RN)	235122	1	235100 P 223 T 810 811	
R		AMU	ACP4(2RN4)/AMU(1RN) associated with	235122	1	235100 P 243 T 810 821	
		AMU	AMU(1RN)	235134	1	010 021	
		IDENT:	CFDS				
		AMU	AMU(1RN)	235134	1	235100 P 209 T 810 806	
		IDENT:	CFDS			010 000	
		AMU	AMU(1RN) associated with	235134	1	235100 P 232 T 810 818	
		AMU	ACP1(2RN1)/AMU(1RN)	235122	1		
		IDENT:	CFDS				
R		AMU	AMU(1RN) associated with	235134	1	235100 P 236 T 810 819	
		AMU	ACP2(2RN2)/AMU(1RN)	235122	1	010 017	
		IDENT:	CFDS				
R		AMU	AMU(1RN) associated with	235134	1	235100 P 240 T 810 820	
		AMU	ACP3(2RN3)/AMU(1RN)	235122	1	1	
		IDENT:	CFDS				

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	WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES			
	WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE ATA	С	ISOLATION PROCEDURE	
R		AMU	AMU(1RN) 235134 associated with		235100 P 243 T 810 821	
		AMU	ACP4(2RN4)/AMU(1RN) 235122	. !	1 010 021	
		IDENT: (FDS			
		AMU	NO DATA FROM AMU TO ACP1 235134	1	235100 P 224 T 810 813	
		AMU	NO DATA FROM AMU TO ACP2 235134	1	235100 P 226 T 810 814	
		AMU	NO DATA FROM AMU TO ACP3 235134	1	235100 P 228 T 810 815	
		AMU	NO DATA FROM AMU TO ACP4 235134	1	235100 P 230 T 810 816	
		ATSU	CT1(2RF)/ATSU1(1TX1) 237431	3	462100 P 232 T 810 818	
		ATSU	CT2(190MH)/ATSU1(1TX1) 233434	3	462100 P 234 T 810 819	
		ATSU	HFDR1(1RE1)/ATSU1(1TX1) 231133	3	462100 P 274 T 810 845	
		ATSU	HFDR1(3RE1)/ATSU1(1TX1) 231133	1	462100 P 274 T 810 845	
		ATSU	SDU1(5RV1)/ATSU1(1TX1) 232834	1	462100 P 227 T 810 816	
		ATSU	VDR3(1RC3)/ATSU1(1TX1) 231233		462100 P 224 T 810 815	
		CFDS	NO ACARS MU DATA 232434		313200 PA212 T 810 882	
		CFDS	NO AMU DATA 235134		313200 PA259 T 810 910	
		CFDS	NO CIDS1 DATA 237334		313200 PA221 T 810 888	

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CFDS FAULT MESSAGES WARNINGS/MALFUNCTIONS					FAULT ISOLATION
	SOURCE	MESSAGE	ATA	С	!
	CFDS	NO CIDS2 DATA	237334	2	313200 PA224 T 810 889
	CFDS	NO HF1 DATA	231133	2	313200 PA257 T 810 909
	CFDS	NO HF2 DATA	231133	2	313200 PA255 T 810 908
	CFDS	NO RMP1 DATA	231313	2	313200 PA261 T 810 911
	CFDS	NO RMP1 DATA	231313	2	231300 P 279 T 810 846
	IDENT:	CFDS, HF 1, VHF 1			1 0 10 040
	CFDS	NO SDU DATA	232834	1	313200 PA294 T 810 935
	CFDS	NO VHF1 DATA	231233	2	313200 PA253 T 810 907
	CFDS	NO VHF2 DATA	231233	2	313200 PA251 T 810 906
	CFDS	NO VHF3 DATA	231233	2	313200 PA249 T 810 905
	CIDS 1	AIP(320RH01) <name></name>	237322	3	237300 PB221 T 810 847
	CIDS 1	AIP(320RH09) <name></name>	237322	!	237300 PB229 T 810 849
	CIDS 1	AIP(320RH11) <name></name>	237322	3	237300 PB231 T 810 850
	CIDS 1	AREA CALL PNL <location></location>	237311	3	237300 P 252 T 810 870
	CIDS 1	ATTD IND PNL MID R	237322	3	237300 PB225 T 810 909
	CIDS 1	ATTND IND PNL AFT L	237322	3	237300 PB229 T 810 849

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CFDS FAULT MESSAGES WARNINGS/MALFUNCTIONS					FAULT ISOLATION
WARRINGS, HALL ONG LIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE
	CIDS 1	ATTND IND PNL AFT R	237322	3	237300 PB231 T 810 850
	CIDS 1	ATTND IND PNL EXIT R	237322	3	237300 PB227 T 810 899
	CIDS 1	ATTND IND PNL FWD L	237322	3	237300 PB221 T 810 847
	CIDS 1	ATTND IND PNL MID L	237322	3	237300 PB223 T 810 898
	CIDS 1	ATTND PNL AFT L	237313	3	237300 PA299 T 810 878
	CIDS 1	BUS M-S L	233354	3	233300 P 224 T 810 803
	CIDS 1	BUS M-S R	233354	3	233300 P 258 T 810 829
	CIDS 1	BUS S T L	233600	3	233600 P 211 T 810 806
	CIDS 1	BUS S T R	233600	3	233600 P 212 T 810 807
	CIDS 1	BUS S-M L	233354	3	233300 P 213 T 810 802
	CIDS 1	BUS S-M R	233354	3	233300 P 248 T 810 828
	CIDS 1	BUS T S L	233600	3	233600 P 222 T 810 816
	CIDS 1	BUS T S R	233600	3	233600 P 223 T 810 817
	CIDS 1	BUS XXYYL	233354	3	233300 P 201 T 810 801
	CIDS 1	BUS XXYYR	233354	3	233300 P 236 T 810 827

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION	
WARRENGO, HALL ONG LIGHT	SOURCE	MESSAGE	ATA	С	!!!	
	CIDS 1	CAM	237319	1	237300 PB203 T 810 857	
	CIDS 1	CAM (115RH)	237319	1	237300 PB203 T 810 857	
	CIDS 1	CAM (115RH)/ FAP <name> (120RH)</name>	237319	1	237300 PB203 T 810 857	
	CIDS 1	CFDIU (1TW)/ DIR1 (101RH)	451334	3	237300 PB247 T 810 912	
	CIDS 1	CIDS MID BUS L	237300	1	237300 PA255 T 810 836	
	CIDS 1	CIDS MID BUS L/ DIR1 (101RH)	237300	1	237300 PA255 T 810 836	
	CIDS 1	CIDS MID BUS R	237300	1	237300 PA272 T 810 837	
	CIDS 1	CIDS MID BUS R/ DIR1 (101RH)	237300	1	237300 PA272 T 810 837	
	CIDS 1	CIDS TOP BUS 1 L	237300	1	237300 P 276 T 810 832	
	CIDS 1	CIDS TOP BUS 1 R	237300	1	237300 PA216 T 810 834	
	CIDS 1	CIDS TOP BUS 1L/ DIR 1 (101RH)	237300	1	237300 P 276 T 810 832	
	CIDS 1	CIDS TOP BUS 1R/ DIR 1 (101RH)	237300	1	237300 PA216 T 810 834	
	CIDS 1	CIDS TOP BUS 2 L	237300	1	237300 P 296 T 810 833	
	CIDS 1	CIDS TOP BUS 2 R	237300	1	237300 PA236 T 810 835	
	CIDS 1	DEF LAY	233331	3	233300 P 277 T 810 845	

EFF: ALL SROS **23-CFDS**

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION	
	SOURCE	MESSAGE	ATA	С	PROCEDURE	
	CIDS 1	DEF LAY	233634	3	233600 P 217 T 810 812	
	CIDS 1	DEU-A 200RH1	237346	1	237300 P 268 T 810 801	
	CIDS 1	DEU-A 200RH10	237346	1	237300 P 268 T 810 801	
	CIDS 1	DEU-A 200RH11	237346	1	237300 P 268 T 810 801	
	CIDS 1	DEU-A 200RH12	237346	1	237300 P 268 T 810 801	
	CIDS 1	DEU-A 200RH13	237346	1	237300 P 268 T 810 801	
	CIDS 1	DEU-A 200RH14	237346	1	237300 P 268 T 810 801	
	CIDS 1	DEU-A 200RH15	237346	1	237300 P 268 T 810 801	
	CIDS 1	DEU-A 200RH16	237346	1	237300 P 268 T 810 801	
	CIDS 1	DEU-A 200RH17	237346	1	237300 P 268 T 810 801	
	CIDS 1	DEU-A 200RH18	237346	1	237300 P 268 T 810 801	
	CIDS 1	DEU-A 200RH19	237346	1	237300 P 268 T 810 801	
	CIDS 1	DEU-A 200RH2	237346	1	237300 P 268 T 810 801	
	CIDS 1	DEU-A 200RH20	237346	1	237300 P 268 T 810 801	
	CIDS 1	DEU-A 200RH21	237346	1	237300 P 268 T 810 801	

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WARNINGS/MALFUNCTIONS			FAULT		
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!!!
	CIDS 1	DEU-A 200RH22	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-A 200RH23	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-A 200RH24	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-A 200RH25	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-A 200RH26	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-A 200RH27	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-A 200RH28	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-A 200RH29	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-A 200RH3	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-A 200RH30	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-A 200RH31	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-A 200RH32	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-A 200RH4	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-A 200RH5	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-A 200RH6	237346	1	237300 P 268 T 810 801

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WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES FAULT		!!!	
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!!!
	CIDS 1	DEU-A 200RH7	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-A 200RH8	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-A 200RH9	237346	1	237300 P 268 T 810 801
	CIDS 1	DEU-B 300RH1	237347	1	237300 P 272 T 810 827
	CIDS 1	DEU-B 300RH4	237347	1	237300 P 272 T 810 827
	CIDS 1	DEU-B 300RH5	237347	1	237300 P 272 T 810 827
	CIDS 1	DEU-B 300RH6	237347	1	237300 P 272 T 810 827
	CIDS 1	DEU-B 300RH7	237347	1	237300 P 272 T 810 827
	CIDS 1	DIR1 (101RH)/ FAP <name> (120RH)</name>	237334	1	237300 PA293 T 810 858
	CIDS 1	DIR2(102RH) BUS/ DIR1 (101RH)	237334	3	237300 P 219 T 810 896
	CIDS 1	FSB LAMP XX	237363	3	237300 PB215 T 810 840
	CIDS 1	FSB-SIGN <appl. area=""></appl.>	237363	3	237300 PB215 T 810 840
	CIDS 1	FWD ATTND PNL	237312	1	237300 PA290 T 810 838
	CIDS 1	INV LAY	233331	3	233300 P 277 T 810 845
	CIDS 1	INV LAY	233634	3	233600 P 218 T 810 813

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LIADNINGS / MALEUNGITONS		CFDS FAULT MESSAGES	 S		FAULT ISOLATION
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	PROCEDURE
	CIDS 1	LOUDSPEAKER <appl. area=""> SRXX YY</appl.>	237351	3	237300 P 257 T 810 872
	CIDS 1	MANDATORY LAYOUT OR EMERGENCY MODE IN USE	237300	1	237300 PB237 T 810 903
	CIDS 1	MON XXL	233642	3	233600 P 213 T 810 808
	CIDS 1	MON XXR	233642	3	233600 P 214 T 810 809
	CIDS 1	NO CAM DATA	237319	1	237300 PB209 T 810 860
	CIDS 1	NO DIRECTOR 2 DATA	237334	3	237300 P 219 T 810 896
	CIDS 1	NO FAP DATA	237312	1	237300 PA293 T 810 858
	CIDS 1	NO P+TP DATA	237318	1	237300 PB206 T 810 859
	CIDS 1	NO PESMUX DATA	233334	3	233300 P 273 T 810 842
	CIDS 1	NO PRAM DATA	233200	3	233200 P 201 T 810 801
	CIDS 1	NO SCU DATA	233600	3	233600 P 219 T 810 814
	CIDS 1	NO SCU DATA	233600	3	233600 P 225 T 810 818
	CIDS 1	NS LAMP XX	237363	3	237300 PB212 T 810 839
	CIDS 1	NS-SIGN <appl. area=""></appl.>	237363	3	237300 PB212 T 810 839
	CIDS 1	P&T PNL	237318	1	237300 PA296 T 810 856

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LIADNINGS / MALEUNGTIONS		CFDS FAULT MESSAGES	 S		FAULT ISOLATION
WARNINGS/MALFUNCTIONS 	SOURCE	MESSAGE	ATA	С	PROCEDURE
	CIDS 1	PAX CALL LAMP <appl. AREA> <location></location></appl. 	237314	3	237300 PB257 T 810 930
	CIDS 1	PAX CALL LAMP <appl. AREA> LAV X</appl. 	237314	3	237300 PB255 T 810 929
	CIDS 1	PAX CALL LAMP LAV X	237314	3	237300 PB255 T 810 929
	CIDS 1	PAX CALL LAMP SR: XX	237314	3	237300 PB257 T 810 930
	CIDS 1	PCU XXY	233312	3	233300 P 270 T 810 832
	CIDS 1	POWER PCB SR: XX	237338	3	332500 P 205 T 810 803
	CIDS 1	PRAM	233200	3	233200 P 205 T 810 802
	CIDS 1	PRAM(10RX)	233234	1	233200 P 205 T 810 802
	CIDS 1	PRAM(10RX)/ DIR1(101RH)	233234	1	233200 P 201 T 810 801
	CIDS 1	PVS INOP	233600	3	233600 P 207 T 810 803
	CIDS 1	RDG LIGHT PCB SR: XX	237338	3	332500 P 203 T 810 802
	CIDS 1	RDG LIGHT SR: XX	237364	3	332500 P 201 T 810 801
	CIDS 1	RTS LAMP LAV: X	237362	3	237300 PB218 T 810 841
	CIDS 1	RTS-SIGN <appl. area=""> LAV X</appl.>	237362	3	237300 PB218 T 810 841
	CIDS 1	SCU INOP	233634	3	233600 P 208 T 810 804

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WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES	 S		FAULT ISOLATION
WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	
	CIDS 1	SEB XXL	233346	3	233300 P 230 T 810 825
	CIDS 1	SEB XXR	233346	3	233300 P 264 T 810 830
	CIDS 1	SEB 80L	233346	3	233300 P 279 T 810 993
	CIDS 1	SEB 80R	233346	3	233300 P 281 T 810 994
	CIDS 1	SEB 93L	233346	3	233300 P 282 T 810 995
	CIDS 1	SEB 94L	233346	3	233300 P 235 T 810 826
	CIDS 1	SEB 95L	233346	3	233300 P 235 T 810 826
	CIDS 1	SEB 98R	233346	3	233300 P 269 T 810 831
	CIDS 1	SEB 99L	233346	3	233300 P 272 T 810 838
	CIDS 1	SEB 99R	233346	3	233300 P 269 T 810 831
	CIDS 1	TEST ABORTED	233300	3	233300 P 278 T 810 847
	CIDS 1	TEST ABORTED	233600	3	233600 P 220 T 810 815
	CIDS 1	TU XXL	233644	3	233600 P 215 T 810 810
	CIDS 1	TU XXR	233644	3	233600 P 216 T 810 811
	CIDS 1	VTR X	233652	3	233600 P 209 T 810 805

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES FAULT S		!!!		
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!!
	CIDS 2	BUS M-S L	233354	3	233300 P 224 T 810 803
	CIDS 2	BUS M-S R	233354	3	233300 P 258 T 810 829
	CIDS 2	BUS S T L	233600	3	233600 P 211 T 810 806
	CIDS 2	BUS S T R	233600	3	233600 P 212 T 810 807
	CIDS 2	BUS S-M L	233354	3	233300 P 213 T 810 802
	CIDS 2	BUS S-M R	233354	3	233300 P 248 T 810 828
	CIDS 2	BUS T S L	233600	3	233600 P 222 T 810 816
	CIDS 2	BUS T S R	233600	3	233600 P 223 T 810 817
	CIDS 2	BUS XXYYL	233354	3	233300 P 201 T 810 801
	CIDS 2	BUS XXYYR	233354	3	233300 P 236 T 810 827
	CIDS 2	CAM (115RH)/ FAP <name> (120RH)</name>	237319	2	237300 PB203 T 810 857
	CIDS 2	DEF LAY	233331	3	233300 P 277 T 810 845
	CIDS 2	DEF LAY	233634	3	233600 P 217 T 810 812
	CIDS 2	DIR1(101RH) BUS/ DIR2 (102RH)	237334	3	237300 P 220 T 810 897
	CIDS 2	INV LAY	233331	3	233300 P 277 T 810 845

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WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES	 S		FAULT ISOLATION
WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	
	CIDS 2	INV LAY	233634	3	233600 P 218 T 810 813
	CIDS 2	MON XXL	233642	3	233600 P 213 T 810 808
	CIDS 2	MON XXR	233642	3	233600 P 214 T 810 809
	CIDS 2	NO CAM DATA	237319	1	237300 PB209 T 810 860
	CIDS 2	NO DIRECTOR 1 DATA	237334	3	237300 P 220 T 810 897
	CIDS 2	NO PESMUX DATA	233334	3	233300 P 273 T 810 842
	CIDS 2	NO PRAM DATA	233200	3	233200 P 201 T 810 801
	CIDS 2	NO SCU DATA	233600	3	233600 P 219 T 810 814
	CIDS 2	NO SCU DATA	233600	3	233600 P 225 T 810 818
	CIDS 2	PAX CALL LAMP <appl. AREA> <location></location></appl. 	237314	3	237300 PB257 T 810 930
	CIDS 2	PAX CALL LAMP <appl. AREA> LAV X</appl. 	237314	3	237300 PB255 T 810 929
	CIDS 2	PAX CALL LAMP LAV X	237314	3	237300 PB255 T 810 929
	CIDS 2	PAX CALL LAMP SR: XX	237314	3	237300 PB257 T 810 930
	CIDS 2	PCU XXY	233312	3	233300 P 270 T 810 832
	CIDS 2	PRAM	233200	3	233200 P 205 T 810 802

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LIADNINGS / MALEUNGITONS		CFDS FAULT MESSAGES	 S		FAULT ISOLATION
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	!
	CIDS 2	PRAM (10RX)	233234	1	233200 P 205 T 810 802
	CIDS 2	PRAM (10RX)/ DIR2(102RH)	233234	1	233200 P 201 T 810 801
	CIDS 2	PVS INOP	233600	3	233600 P 207 T 810 803
	CIDS 2	SCU INOP	233634	3	233600 P 208 T 810 804
	CIDS 2	SEB XXL	233346	3	233300 P 230 T 810 825
	CIDS 2	SEB XXR	233346	3	233300 P 264 T 810 830
	CIDS 2	SEB 80L	233346	3	233300 P 279 T 810 993
	CIDS 2	SEB 80R	233346	3	233300 P 281 T 810 994
	CIDS 2	SEB 93L	233346	3	233300 P 282 T 810 995
	CIDS 2	SEB 94L	233346	3	233300 P 235 T 810 826
	CIDS 2	SEB 95L	233346	3	233300 P 235 T 810 826
	CIDS 2	SEB 98R	233346	3	233300 P 269 T 810 831
	CIDS 2	SEB 99L	233346	3	233300 P 272 T 810 838
	CIDS 2	SEB 99R	233346	3	233300 P 269 T 810 831
	CIDS 2	TEST ABORTED	233300	3	233300 P 278 T 810 847

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	WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES	 S		FAULT ISOLATION
	WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	C	!!
		CIDS 2	TEST ABORTED	233600	3	233600 P 220 T 810 815
		CIDS 2	TU XXL	233644	3	233600 P 215 T 810 810
		CIDS 2	TU XXR	233644	3	233600 P 216 T 810 811
		CIDS 2	VTR X	233652	3	233600 P 209 T 810 805
		DMU	ACARS (1RB1) / DMU (1TV)	232434	3	313600 P 244 T 810 835
		DMU	ACARS (1RB1) / FDIMU (10TV)	232434	3	313600 PA200 T 810 916
		ECAM 1	FWC1 : NO DATA FROM ACARS	232434	1	315300 P 252 T 810 844
R		ECAM 1	FWC1: NO DATA FROM	232834	1	315300 PA246 T 810 948
		ECAM 1	FWC2 : NO DATA FROM ACARS	232434	1	315300 P 253 T 810 845
R		ECAM 1	FWC2 : NO DATA FROM SATCOM	232834	1	315300 PA248 T 810 949
		ECAM 2	FWC1 : NO DATA FROM ACARS	232434	1	315300 P 252 T 810 844
R		ECAM 2	FWC1 : NO DATA FROM SATCOM	232834	1	315300 PA246 T 810 948
		ECAM 2	FWC2 : NO DATA FROM ACARS	232434	1	315300 P 253 T 810 845
R		ECAM 2	FWC2: NO DATA FROM SATCOM	232834	1	315300 PA248 T 810 949
		HF 1	CHECK HF1 ANTENNA CIRCUIT	231111	1	231100 P 209 T 810 803

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	WARNINGS/MALFUNCTIONS		CFDS FAULT MESSAGES	 S		FAULT ISOLATION
	WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	!
		HF 1	HF1 (3RE1)	231133	1	231100 P 201 T 810 801
		IDENT:	CFDS			
		HF 1	HF1 (3RE1)/COAX	231133	1	231100 P 209 T 810 803
R		HF 1	HF1 (3RE1)/COAX associated with	231133	1	231100 P 233 T 810 809
		HF 2	CHECK HF2 ANTENNA	231111	1	!!!
		HF 1	HF1 ANTENNA (5RE)/FEEDER (6RE1)/CPLR (4RE1)/COAX	231111	1	231100 P 209 T 810 803
R R		HF 1	HF1 COUPLER(4RE1)/FEEDER (6RE1)/ANTENNA(5RE)	231133	1	231100 P 257 T 810 821
R		HF 1	HF1 CPLR (4RE1)	231133	1	231100 P 257 T 810 821
R		HF 1	HF1 CPLR (4RE1)/FEEDER (6RE1)/ANTENNA (5RE)	231133	1	231100 P 257 T 810 821
R R		HF 1	HF1 CPLR(4RE1)/COAX/ FEEDER(6RE1)/ANT(5RE)	231133	1	231100 P 209 T 810 803
		 HF 1 	HF1 NO DATA FROM CONTROL SOURCE	23XXXX	1	231300 P 225 T 810 811
		HF 1	HF1 NO DATA FROM CONTROL Source	23XXXX	1	231300 P 227 T 810 812
		IDENT:	CFDS, HF 1, VHF 1			
		HF 1	HF1 TRANSCEIVER	231133	1	231100 P 201 T 810 801
		IDENT:	CFDS			
R		HF 1	HF1: CHECK HF ANTENNA COUPLER	231133	1	231100 P 257 T 810 821
		HF 1	RMP1/2/3 (1RG1/2/3)/ HF1 (3RE1)	231313	1	231300 P 225 T 810 811

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	WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES			FAULT ISOLATION		
	WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С		
		HF 1	RMP1/2/3 (1RG1/2/3)/ HF1 (3RE1)	231313	1	231300 P 227 T 810 812	
		IDENT: (CFDS, HF 1, VHF 1				
R		HF 2	CHECK HF2 ANTENNA	231111	1	231100 P 214 T 810 804	
R		HF 2	CHECK HF2 ANTENNA	231111	1	231100 P 233 T 810 809	
		 HF 1	associated with HF1 (3RE1)/COAX	231133	1		
R R		HF 2	HF2 COUPLER(4RE2)/FEEDER (6RE2)/ANTENNA(5RE)	231133	1	231100 P 260 T 810 822	
R		HF 2	HF2 CPLR (4RE2)/FEEDER (6RE2)/ANTENNA (5RE)	231133	1	231100 P 260 T 810 822	
		HF 2	HF2 NO DATA FROM CONTROL SOURCE	23XXXX	1	231300 P 229 T 810 813	
		HF 2	HF2 NO DATA FROM CONTROL SOURCE	23XXXX	1	231300 P 231 T 810 814	
		IDENT:	IDENT: HF 2, VHF 2				
		HF 2	HF2 TRANSCEIVER	231133	1	231100 P 206 T 810 802	
		IDENT: CFDS				1 010 002	
		RMP 123	RMP1 : NO DATA FROM RMP1	231313	1	231300 P 233 T 810 817	
		RMP 123	RMP2 : NO DATA FROM RMP1	231313	1		
		IDENT: CFDS, HF 1, VHF 1					
		RMP 123	RMP1 : NO DATA FROM RMP1	231313	1	231300 P 233 T 810 817	
		IDENT: CFDS, HF 1, VHF 1					
		RMP 123	RMP1 : NO DATA FROM RMP2	231313	1	231300 P 201 T 810 801	

EFF: ALL

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HADNINGS /MALEUNGTIONS	CFDS FAULT MESSAGES			FAULT	
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	С	ISOLATION PROCEDURE
	RMP 123	RMP1 : NO DATA FROM RMP2	231313	1	231300 P 203 T 810 802
	IDENT: HF 2, VHF 2				11 810 802
	RMP 123	RMP1 : NO DATA FROM RMP2	231313	1	231300 P 237
	RMP 123	RMP2 : NO DATA FROM RMP2	231313	1	!
	IDENT:	IDENT: HF 2, VHF 2			
	RMP 123	RMP1(1RG1)	231313	1	231300 P 233 T 810 817
	RMP 123	RMP1(1RG1)/RMP2(1RG2)	231313	1	
	IDENT: CFDS, HF 1, VHF 1				
	RMP 123	RMP1(1RG1)	231313	1	231300 P 233 T 810 817
	IDENT:	IDENT: CFDS, HF 1, VHF 1			
	RMP 123	RMP1(1RG1) associated with	231313	1	231300 P 262 T 810 829
	RMP 123	RMP1(1RG1)/RMP2(1RG2)	231313	1	!
	RMP 123	RMP1(1RG1)/RMP3(1RG3)	231313	1	
	IDENT:	CFDS, HF 1, VHF 1			
	RMP 123	RMP1(1RG1)/RMP2(1RG2)	231313	1	231300 P 207 T 810 803
	RMP 123	RMP1(1RG1)/RMP2(1RG2) associated with	231313	1	231300 P 255 T 810 826
	RMP 123	RMP1(1RG1)/RMP3(1RG3)	231313	1	!
	RMP 123	RMP1(1RG1)/RMP2(1RG2)	231313	1	231300 P 273 T 810 833
	RMP 123	RMP1(1RG1)/RMP2(1RG2)	231313	1	231300 P 209 T 810 804
	IDENT:	CFDS, HF 1, VHF 1			1 0 10 004

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES			FAULT ISOLATION	
WAKNINGS/MALFUNCIIUNS	SOURCE	MESSAGE	ATA	С	!
	RMP 123	RMP1(1RG1)/RMP2(1RG2) associated with	231313	1	 231300 P 233 T 810 817
	RMP 123	RMP1(1RG1)	231313	1	010 011
	IDENT: CFDS, HF 1, VHF 1				
	RMP 123	RMP1(1RG1)/RMP2(1RG2) associated with	231313	1	 231300 P 249 T 810 823
	RMP 123	RMP1(1RG1)/RMP3(1RG3)	231313	1	010 025
	IDENT:	CFDS, HF 1, VHF 1			
	RMP 123	RMP1(1RG1)/RMP2(1RG2) associated with	231313	1	231300 P 262 T 810 829
	RMP 123	RMP1(1RG1)	231313	1	1 0 10 027
	RMP 123	RMP1(1RG1)/RMP3(1RG3)	231313	1	
	IDENT: CFDS, HF 1, VHF 1				
	RMP123	RMP1(1RG1)/RMP3(1RG3)	231313	1	231300 P 245 T 810 821
	RMP 123	RMP1(1RG1)/RMP3(1RG3) associated with	231313	1	231300 P 255 T 810 826
	RMP 123	RMP1(1RG1)/RMP2(1RG2)	231313	1	1 8 10 828
	RMP 123	RMP1(1RG1)/RMP3(1RG3) associated with	231313	1	231300 P 249 T 810 823
	RMP 123	RMP1(1RG1)/RMP2(1RG2)	231313	1	810 823
	IDENT: CFDS, HF 1, VHF 1				
	RMP 123	RMP1(1RG1)/RMP3(1RG3) associated with	231313	1	231300 P 262 T 810 829
	RMP 123	RMP1(1RG1)	231313	1	1 0 10 027
	RMP 123	and RMP1(1RG1)/RMP2(1RG2)	231313	1	
	IDENT: CFDS, HF 1, VHF 1				
	RMP 123	RMP2 : NO DATA FROM RMP1	231313	1	231300 P 207 T 810 803

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LIADNINGS /MALEUNGITONS	CFDS FAULT MESSAGES			FAULT	
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	АТА	С	ISOLATION PROCEDURE
	RMP 123	RMP2 : NO DATA FROM RMP1	231313	1	231300 P 209 T 810 804
	IDENT: CFDS, HF 1, VHF 1				010 004
	RMP 123	RMP2 : NO DATA FROM RMP1 associated with	231313	1	 231300 P 233 T 810 817
	RMP 123	RMP1 : NO DATA FROM RMP1	231313	1	
	IDENT: CFDS, HF 1, VHF 1				
	RMP 123	RMP2 : NO DATA FROM RMP2 associated with	231313	1	 231300 P 237 T 810 818
	RMP 123	RMP1 : NO DATA FROM RMP2	231313	1	
	IDENT: HF 2, VHF 2				
	RMP 123	RMP2(1RG2) associated with	231313	1	 231300 P 237 T 810 818
	RMP 123	•	231313	1	
	IDENT: HF 2, VHF 2				<u> </u>
	RMP 123	RMP2(1RG2) associated with	231313	1	231300 P 265 T 810 830
	RMP 123	RMP2(1RG2)/RMP1(1RG1)	231313	1	
	RMP 123	RMP2(1RG2)/RMP3(1RG3)	231313	1	
	IDENT: HF 2, VHF 2				
	RMP123	RMP2(1RG2)/RMP1(1RG1)	231313	1	231300 P 201 T 810 801
	RMP 123	RMP2(1RG2)/RMP1(1RG1) associated with	231313	1	 231300 P 257 T 810 827
	RMP 123	RMP2(1RG2)/RMP3(1RG3)	231313	1	
	RMP123	RMP2(1RG2)/RMP1(1RG1)	231313	1	231300 P 271 T 810 832
	RMP 123	RMP2(1RG2)/RMP1(1RG1)	231313	1	231300 P 203 T 810 802
	IDENT: HF 2, VHF 2				

EFF: ALL SROS **23-CFDS**

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES		FAULT		
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	АТА	C	ISOLATION PROCEDURE
	RMP 123	RMP2(1RG2)/RMP1(1RG1)	231313	1	231300 P 237
	RMP 123	associated with RMP2(1RG2)	231313	1	T 810 818
	IDENT:	HF 2, VHF 2			
	RMP 123	RMP2(1RG2)/RMP1(1RG1)	231313	1	231300 P 252 T 810 825
	RMP 123	associated with RMP2(1RG2)/RMP3(1RG3)	231313	1	
	IDENT:	CFDS, HF 1, VHF 1	•		
	RMP 123	RMP2(1RG2)/RMP1(1RG1)	231313	1	231300 P 265
	RMP 123	associated with RMP2(1RG2)	231313	1	T 810 830
	RMP 123	and RMP2(1RG2)/RMP3(1RG3)	231313	1	
	IDENT:	HF 2, VHF 2			
	RMP 123	RMP2(1RG2)/RMP3(1RG3)	231313	1	231300 P 247 T 810 822
	RMP 123	RMP2(1RG2)/RMP3(1RG3)	231313	1	231300 P 257
	RMP 123	associated with RMP2(1RG2)/RMP1(1RG1)	231313	1	T 810 827
	RMP 123	RMP2(1RG2)/RMP3(1RG3)	231313	1	231300 P 252
	RMP 123	associated with RMP2(1RG2)/RMP1(1RG1)	231313	1	T 810 825
	IDENT:	CFDS, HF 1, VHF 1	•		
	RMP 123	RMP2(1RG2)/RMP3(1RG3)	231313	1	231300 P 265 T 810 830
	RMP 123	associated with RMP2(1RG2)	231313	1	1 610 650
	RMP 123	and RMP2(1RG2)/RMP1(1RG1)	231313	1	
	IDENT:	HF 2, VHF 2	-	-	
	RMP 123	RMP3(1RG3)	231313	1	231300 P 268
	RMP 123	associated with RMP3(1RG3)/RMP2(1RG2)	231313	1	T 810 831
	RMP 123	and RMP3(1RG3)/RMP1(1RG1)	231313	1	

EFF: ALL SROS **23-CFDS**

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LIADNINGS /MAL FUNCTIONS	CFDS FAULT MESSAGES		FAULT ISOLATION		
WARNINGS/MALFUNCTIONS 	SOURCE	MESSAGE	ATA	С	!
	RMP 123	RMP3(1RG3)/RMP1(1RG1)	231313	1	231300 P 241 T 810 819
	RMP 123	RMP3(1RG3)/RMP1(1RG1)	231313	1	231300 P 259 T 810 828
	RMP 123	associated with RMP3(1RG3)/RMP2(1RG2)	231313	1	1 0 10 020
	RMP 123	RMP3(1RG3)/RMP1(1RG1)	231313	1	231300 P 268 T 810 831
	RMP 123	associated with RMP3(1RG3)	231313	1	
	RMP 123	and RMP3(1RG3)/RMP2(1RG2)	231313	1	
	RMP 123	RMP3(1RG3)/RMP2(1RG2)	231313	1	231300 P 243 T 810 820
	RMP 123	RMP3(1RG3)/RMP2(1RG2) associated with	231313	1	231300 P 259 T 810 828
	RMP 123	RMP3(1RG3)/RMP1(1RG1)	231313	1	1 010 020
	RMP 123	RMP3(1RG3)/RMP2(1RG2) associated with	231313	1	231300 P 268 T 810 831
	RMP 123	RMP3(1RG3)	231313	1	610 651
	RMP 123	RMP3(1RG3)/RMP1(1RG1)	231313	1	
	SDCU	CAM(115RH) / SMK DET MISMATCH	237319	2	261700 P 237 T 810 821
	SDCU	CIDS(10YRH)-SDF	237334	2	261600 P 219 T 810 817
	SDCU	DIRY(10YRH)-SDF	237334	2	261700 P 238 T 810 822
	SDCU	NO LAV DATA/CIDS(101RH)- SDF1BUS/CIDS(102RH)-SDF2	!	1	261700 P 246 T 810 826
	SDCU	NO LAV DATA/CIDS(102RH)- SDF2BUS/CIDS(101RH)-SDF1	237334	1	261700 P 246 T 810 826
	SDU	ACARSMU(1RB1)/ SDU1(105RV1)	232434	3	232800 P 219 T 810 811
	SDU	ANTENNA1(116RV1)	232811	1	232800 P 205 T 810 803

EFF: ALL
SROS

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES			FAULT ISOLATION	
WARNINGS/MALFUNCTIONS	SOURCE	MESSAGE	ATA	C	!
	SDU	ANTENNA1(116RV1)/ SDU1(105RV1)	232811	1	232800 P 207 T 810 804
	SDU	POWER SUPPLY OVERTEMP	232834	3	232800 P 209 T 810 805
	SDU	SDU1(105RV1)	232834	1	232800 P 201 T 810 801
	SDU	SDU1(105RV1)	232834	3	232800 P 203 T 810 802
	SDU	SDU1(105RV1)/ OVER TEMPERATURE	232834	3	232800 P 209 T 810 805
	SDU	SDU1(105RV1)RX COAX	232834	1	232800 P 231 T 810 817
	SDU	WRG:CONFIG PIN PROG //SDU1(105RV1)	232834	1	232800 P 211 T 810 806
	SDU	WRG:ICAO ADRESS PIN PROG //SDU1(105RV1)	232834	1	232800 P 229 T 810 816
	TEMPCTL	NO DATA FROM CIDS	237334	2	216300 PA234 T 810 858
	VHF 1	CHECK VHF1 ANTENNA CIRCUIT	231211	1	231200 P 213 T 810 804
	VHF 1	RMP1/2/3 (1RG1/2/3)/ VHF1 (1RC1)	231313	1	231300 P 213 T 810 805
	VHF 1	RMP1/2/3 (1RG1/2/3)/ VHF1 (1RC1)	231313	1	231300 P 215 T 810 806
	IDENT: (CFDS, HF 1, VHF 1			
	VHF 1	VHF1 (1RC1)	231233		231200 P 201 T 810 801
	IDENT:	CFDS			010 001
	VHF 1	VHF1: NO DATA FROM CONTROL SOURCE	23XXXX	1	231300 P 213 T 810 805

EFF: ALL SROS **23-CFDS**

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES			FAULT ISOLATION	
WARNINGS/ MALFONCTIONS	SOURCE	MESSAGE	ATA	С	:
	VHF 1	VHF1 : NO DATA FROM CONTROL SOURCE	2 3 XXXX	1	231300 P 215 T 810 806
	IDENT:	CFDS, VHF 1			
	VHF 1	VHF1 ANTENNA (4RC1)/COAX	231211	1	231200 P 213 T 810 804
	VHF 1	VHF1 TRANSCEIVER	231233	1	231200 P 201 T 810 801
	IDENT:	CFDS			610 601
	VHF 2	CHECK VHF2 ANTENNA CIRCUIT	231211	1	231200 P 215 T 810 805
	VHF 2	RMP1/2/3 (1RG1/2/3) VHF2 (1RC2)	231313	1	231300 P 217 T 810 807
	VHF 2	RMP1/2/3 (1RG1/2/3) VHF2 (1RC2)	231313	1	231300 P 219 T 810 808
	IDENT:	HF 2, VHF 2			
	VHF 2	VHF2 (1RC2)	231233	1	231200 P 205 T 810 802
	IDENT:	CFDS			
	VHF 2	VHF2: NO DATA FROM CONTROL SOURCE	23XXXX	1	231300 P 217 T 810 807
	VHF 2	VHF2: NO DATA FROM CONTROL SOURCE	2 3 XXXX	1	231300 P 219 T 810 808
	IDENT: \	VHF 2			
	VHF 2	VHF2 ANTENNA (4RC2)/COAX	231211	1	231200 P 215 T 810 805
	VHF 2	VHF2 TRANSCEIVER	231233	1	231200 P 205 T 810 802
	IDENT:	CFDS			
	VHF 3	ACARS MU (1RB) /VHF3 (1RC3)	232434	3	231200 P 265 T 810 826

EFF: ALL SROS **23-CFDS**

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION
WARNINGS/ HALF ONC FIGNS	SOURCE	MESSAGE	ATA	С	!!!
	VHF 3	ACARS MU (1RB) /VHF3 (1RC3)	232434	3	232400 P 224 T 810 824
	VHF 3	CHECK VHF3 ANTENNA CIRCUIT	231211	1	231200 P 217 T 810 806
	VHF 3	RMP 1/2/3 (1RG1/2/3)/ ACARS MU(1RB)/VHF3(1RC3)		3	232400 P 224 T 810 824
	VHF 3	RMP1/2/3 (1RG1/2/3)/ VHF3 (1RC3)	231313	1	231300 P 221 T 810 809
	VHF 3	RMP1/2/3 (1RG1/2/3)/ VHF3 (1RC3)	231313	1	231300 P 223 T 810 810
	IDENT:	HF 1, VHF 1			
	VHF 3	VHF3 (1RC3)	231233	1	231200 P 209 T 810 803
	VHF 3	VHF3 : NO DATA FROM CONTROL SOURCE	23XXXX	1	231300 P 221 T 810 809
	VHF 3	VHF3 : NO DATA FROM CONTROL SOURCE	23XXXX	1	231300 P 223 T 810 810
	IDENT:	HF 1, VHF 1			
	VHF 3	VHF3 ANTENNA (4RC3)/COAX	231211	1	231200 P 217 T 810 806
	VHF 3	VHF3 TRANSCEIVER	231233	1	231200 P 209 T 810 803

EFF: ALL SROS **23-CFDS**

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HF SYSTEM - FAULT ISOLATION PROCEDURES

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 23-11-00-810-801

Failure of the HF 1 Transceiver

- 1. Possible Causes
 - XCVR-HF, 1 (3RE1)
 - wiring
 - C/B-COM NAV/HF 1 (1RE1)
- 2. Job Set-up Information
 - A. Referenced Information

```
AMM 23-11-00-200-001 Check of the Electrical Bonding of the HF System

AMM 23-11-00-740-001 Bite Test of the HF System

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)

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. Test

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

NOTE: Do this test for the HF 1 only.

EFF: 202-202, 205-205, 229-229, 245-245, 251-251, 254-275, 279-279, 428-428, 451-451, 478-479, 503-549, 551-553, 555-555, 564-599, SROS

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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,

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. Table of the circuit breakers used in this procedure:

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

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

121VU COM NAV/HF1

1RE1 L10

HA14

1RE1

- R **ON A/C 229-229, 279-279, 428-428, 451-451, 478-479,
 - B. If the test gives the maintenance message HF 1 TRANSCEIVER:Do a check of the circuit breaker (1RE1) status.
 - (1) If the circuit breaker is closed:
 - Do a check for 115VAC at pins AC/4, 5, 6 of the HF 1 transceiver (3RE1) (Ref. ASM 23-11/01).
 - (a) If there is 115VAC:
 - Replace the XCVR-HF, 1 (3RE1), (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
 - (b) If there is no 115VAC:
 - Do a check for a ground signal at pin AC/8 of the HF 1 transceiver (3RE1) (Ref. ASM 23-11/01).

EFF: 202-202, 205-205, 229-229, 245-245, 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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- 1 If there is no ground signal:
 - Repair the wiring between the HF 1 transceiver (3RE1) pin AC/8 and the ground terminal (Ref. ASM 23-11/01).
- 2 If there is a ground signal:
 - Do a check of the wiring from the circuit breaker (1RE1) to the HF 1 transceiver (3RE1) pins AC/4, 5, 6 (Ref. ASM 23-11/01).
 - <u>a</u> If there is no continuity:Repair the above wiring.
 - <u>b</u> If there is continuity:- Replace the circuit breaker (1RE1).
- (2) If the circuit breaker is open:
 Close it.
 - (a) If it opens again:
 - Replace the HF 1 transceiver (3RE1)(Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
 - 1 If the fault continues:
 - Do a check for a short to ground at the wiring between the HF 1 transceiver (3RE1) pins AC/4, 5, 6 and the circuit breaker (1RE1) (Ref. ASM 23-11/01).
 - <u>a</u> If there is a short to ground:Repair the related wiring.
 - <u>b</u> If there is no short to ground:- Replace the C/B-COM NAV/HF 1 (1RE1).
 - (b) If the circuit breaker stays closed and the fault continues:
 Replace the HF 1 transceiver (3RE1) (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
- (3) If the fault continues:
 - Do a check of the electrical bonding of the HF system (Ref. AMM TASK 23-11-00-200-001).

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- R **ON A/C 202-202, 205-205, 245-245, 251-251, 254-275, 503-549, 555-555,
- R 564-599, 701-749,
- R Post SB 00-1047 For A/C 503-549,
- R Post SB 23-1024 For A/C 202-202,245-245,503-549,555-555,564-599,
- R Post SB 23-1123 For A/C 503-549,
- R Post SB 23-1131 For A/C 202-202,245-245,503-549,555-555,564-599,
 - B. If the test gives the maintenance message HF1 (3RE1):
 - Do a check of the circuit breaker (1RE1) status.
 - (1) If the circuit breaker is closed:
 - Do a check for 115VAC at pins AC/4, 5, 6 of the HF 1 transceiver (3RE1) (Ref. ASM 23-11/01).
 - (a) If there is 115VAC:
 - Replace the XCVR-HF, 1 (3RE1) (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
 - (b) If there is no 115VAC:
 - Do a check for a ground signal at pin AC/8 of the HF 1 transceiver (3RE1) (Ref. ASM 23-11/01).
 - 1 If there is no ground signal:
 - Repair the wiring between the HF 1 transceiver (3RE1) pin AC/8 and the ground terminal (Ref. ASM 23-11/01).
 - 2 If there is a ground signal:
 - Do a check of the wiring from the circuit breaker (1RE1) to the HF 1 transceiver (3RE1) pins AC/4, 5, 6 (Ref. ASM 23-11/01).
 - a If there is no continuity:
 - Repair the above wiring.
 - b If there is continuity:
 - Replace the circuit breaker (1RE1).
 - (2) If the circuit breaker is open:
 - Close it.
 - (a) If it opens again:
 - Replace the HF 1 transceiver (3RE1)(Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
 - 1 If the fault continues:
 - Do a check for a short to ground at the wiring (between the HF 1 transceiver (3RE1) pins AC/4, 5, 6 and the circuit breaker (1RE1)) (Ref. ASM 23-11/01).
 - a If there is a short to ground:
 - Repair the related wiring.

EFF: 202-202, 205-205, 245-245, 251-251, 254-275, 503-549, 555-555, 564-599, 701-749,

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- <u>b</u> If there is no short to ground:- Replace the C/B-COM NAV/HF 1 (1RE1).
- (b) If the circuit breaker stays closed and the fault continues:
 Replace the HF 1 transceiver (3RE1) (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
- (3) If the fault continues:
 - Do a check of the electrical bonding of the HF system (Ref. AMM TASK 23-11-00-200-001) .
- 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, 555-555, 564-599, 701-749,
 Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599,
 - C. Do the test given in Para. 3.

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

TASK 23-11-00-810-802

Failure of the HF 2 Transceiver

- 1. Possible Causes
 - XCVR-HF, 2 (3RE2)
 - wiring
 - C/B-COM NAV/HF2 (1RE2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-11-00-200-001 AMM 23-11-00-740-001 AMM 23-11-33-000-001 AMM 23-11-33-400-001 ASM 23-11/02	Check of the Electrical Bonding of the HF System Bite Test of the HF System Removal of the HF Transceiver (3RE1, 3RE2) Installation of the HF Transceiver (3RE1, 3RE2)

- 3. Fault Confirmation
- R **ON A/C 202-202, 245-245, 551-553, 555-555,
- R Post SB 23-1057 For A/C 202-202,245-245,551-553,555-555,
 - A. Test
 - (1) Do the BITE test of the HF system (Ref. AMM TASK 23-11-00-740-001).

NOTE: Do this test for the HF 2 only.

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

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

4. Fault Isolation

- R **ON A/C 202-202, 245-245, 551-553, 555-555,
- R Post SB 23-1057 For A/C 202-202,245-245,551-553,555-555,
 - A. Table of the circuit breakers used in this procedure:

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,

- R Post SB 23-1057 For A/C 202-202,245-245,551-553,555-555,
 - B. If the test gives the maintenance message HF 2 TRANSCEIVER:
 - do a check of the circuit breaker (1RE2) status.
 - (1) If the circuit breaker is closed:
 - do a check for 115VAC at pins AC/4, 5, 6 of the HF 2 transceiver (3RE2) (Ref. ASM 23-11/02).
 - (a) If there is 115VAC:
 - replace the XCVR-HF, 2 (3RE2), (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
 - (b) If there is no 115VAC:
 - do a check for a ground signal at pin AC/8 of the HF 2 transceiver (3RE2) (Ref. ASM 23-11/02).
 - 1 If there is no ground signal:
 - repair the wiring between the HF 2 transceiver (3RE2) pin AC/8 and the ground terminal (Ref. ASM 23-11/02).
 - 2 If there is a ground signal:
 - do a check of the wiring from the HF 2 transceiver (3RE2) pins AC/4, 5, 6 to the circuit breaker (1RE2) (Ref. ASM 23-11/02).
 - <u>a</u> If there is no continuity:repair the above wiring.

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

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- <u>b</u> If there is continuity:- replace the circuit breaker (1RE2).
- (2) If the circuit breaker is open:
 close it.
 - (a) If it opens again:
 - replace the HF 2 transceiver (3RE2) (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
 - 1 If the fault continues:
 - do a check for a short-to-ground at the wiring between the HF 2 transceiver (3RE2) pins AC/4, 5, 6 and the circuit breaker (1RE2) (Ref. ASM 23-11/02).
 - <u>a</u> If there is a short-to-ground:repair the related wiring.
 - <u>b</u> If there is no short-to-ground:- replace the C/B-COM NAV/HF2 (1RE2).
 - (b) If the circuit breaker stays closed and the fault continues: - replace the HF 2 transceiver (3RE2) (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
- (3) If the fault continues:
 - Do a check of the electrical bonding of the HF system (Ref. AMM TASK 23-11-00-200-001).
- C. Do the test given in Para. 3.

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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 23-11-00-810-803

Loss of the HF 1 Communication

- 1. Possible Causes
 - COUPLER-HF, 1 (4RE1)
 - XCVR-HF, 1 (3RE1)
 - ANTENNA-HF (5RE)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
	23-11-00-200-001	Check of the Electrical Bonding of the HF System
	23-11-00-740-001 23-11-11-000-001	Bite Test of the HF System Removal of the HF Antenna (5RE)
	23-11-11-400-001 23-11-33-000-001	Installation of the HF Antenna (5RE) Removal of the HF Transceiver (3RE1, 3RE2)
AMM	23-11-33-400-001	Installation of the HF Transceiver (3RE1, 3RE2)
	23-11-36-000-001 23-11-36-400-001	Removal of the HF Antenna Coupler Installation of the HF Antenna Coupler
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. Test

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

NOTE: Do this test for the HF 1 only.

EFF: 202-202, 205-205, 229-229, 245-245, 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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- 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, 251-251, 701-749,
 - A. If the test gives the maintenance message HF1 ANTENNA (5RE)/FEEDER (6RE1)/CPLR (4RE1)/COAX:
 - Replace the COUPLER-HF, 1 (4RE1) (Ref. AMM TASK 23-11-36-000-001) and (Ref. AMM TASK 23-11-36-400-001).
 - (1) If the fault continues:
 - Replace the XCVR-HF, 1 (3RE1) (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
 - (2) If the fault continues:
 - Do a check of the electrical bonding of the HF system (Ref. AMM TASK 23-11-00-200-001).
 - (3) If the fault continues:
 - Do a check of the wiring from the HF 1 coupler (4RE1):
 - . to the ground:
 - 4RE1 pins A/G, D
 - . to the HF 1 transceiver (3RE1):
 - * 4RE1 pins A/A, L to 3RE1 pins AC/9, 1
 - * 4RE1 pins A/B, c to 3RE1 pins AB/4E, 4F
 - * 4RE1 pin B to 3RE1 pin AB/C (coaxial) (Ref. ASM 23-11/01).
 - (a) If there is no continuity:
 - Repair the related wiring.
 - (b) If there is continuity:
 - Do a check and repair the wiring between the HF 1 coupler (4RE1) and the HF antenna (5RE) (Ref. ASM 23-11/01).
 - 1 If there is no continuity:
 - Repair the above wiring.
 - 2 If there is continuity:
 - Replace the ANTENNA-HF (5RE) (Ref. AMM TASK 23-11-11-000-001) and (Ref. AMM TASK 23-11-11-400-001).

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

- A. If the test gives the maintenance message CHECK HF 1 ANTENNA CIRCUIT:
 - Replace the COUPLER-HF, 1 (4RE1) (Ref. AMM TASK 23-11-36-000-001) and (Ref. AMM TASK 23-11-36-400-001).
 - (1) If the fault continues:
 - Replace the XCVR-HF, 1 (3RE1) (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
 - (2) If the fault continues:
 - Do a check of the electrical bonding of the HF system (Ref. AMM TASK 23-11-00-200-001).
 - (3) If the fault continues:
 - Do a check of the wiring from the HF 1 coupler (4RE1)
 - . to the ground:

4RE1 pins A/G, D

- . to the HF 1 transceiver (3RE1):
- * 4RE1 pins A/A, L to 3RE1 pins AC/9, 1
- * 4RE1 pins A/B, < C to 3RE1 pins AB/4E, 4F
- * 4RE1 pin B to 3RE1 pin AB/C (coaxial) (Ref. ASM 23-11/01).
- (a) If there is no continuity:
 - Repair the related wiring.
- (b) If there is continuity:
 - Do a check and repair the wiring between the HF 1 coupler (4RE1) and the HF antenna (5RE) (Ref. ASM 23-11/01).
 - 1 If there is no continuity:
 - Repair the above wiring.
 - 2 If there is continuity:
 - Replace the ANTENNA-HF (5RE) (Ref. AMM TASK 23-11-11-000-001) and (Ref. AMM TASK 23-11-11-400-001).

R **ON A/C 254-275,

- R A. If the test gives the maintenance message
 R HF1 CPLR(4RE1)/COAX/FEEDER (6RE1)/ANT(5RE):
 - Replace the COUPLER-HF, 1 (4RE1) (Ref. AMM TASK 23-11-36-000-001) and (Ref. AMM TASK 23-11-36-400-001).
- R (1) If the fault continues:
- R Replace the XCVR-HF, 1 (3RE1) (Ref. AMM TASK 23-11-33-000-001) and R (Ref. AMM TASK 23-11-33-400-001).

EFF: 229-229, 254-275, 279-279, 428-428, 451-451, 478-479,

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R

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```
(2) If the fault continues:
R
R
             - Do a check of the electrical bonding of the HF system (Ref. AMM
               TASK 23-11-00-200-001).
R
         (3) If the fault continues:
R
             - Do a check of the wiring from the HF 1 coupler (4RE1):
R
R
               . to the ground:
R
               4RE1 pins A/G, D
               . to the HF 1 transceiver (3RE1):
R
R
               * 4RE1 pins A/A, L to 3RE1 pins AC/9, 1
               * 4RE1 pins A/B, c to 3RE1 pins AB/4E, 4F
R
R
               * 4RE1 pin B to 3RE1 pin AB/C (coaxial) (Ref. ASM 23-11/01).
             (a) If there is no continuity:
R
                 - Repair the related wiring.
R
R
             (b) If there is continuity:
                 - Do a check and repair the wiring between the HF 1 coupler
R
                   (4RE1) and the HF antenna (5RE) (Ref. ASM 23-11/01).
R
                 1 If there is no continuity:
R
R
                    - Repair the above wiring.
                 2 If there is continuity:
R
                    - Replace the ANTENNA-HF (5RE) (Ref. AMM TASK 23-11-11-000-
R
                      001) and (Ref. AMM TASK 23-11-11-400-001).
R
   **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
         HF1 (3RE1)/ COAX:
         - Replace the COUPLER-HF, 1 (4RE1), (Ref. AMM TASK 23-11-36-000-001) and
           (Ref. AMM TASK 23-11-36-400-001).
         (1) If the fault continues:
             - Replace the XCVR-HF, 1 (3RE1), (Ref. AMM TASK 23-11-33-000-001) and
               (Ref. AMM TASK 23-11-33-400-001).
         (2) If the fault continues:
             - Do a check of the electrical bonding of the HF system (Ref. AMM
               TASK 23-11-00-200-001).
         (3) If the fault continues:
             - Do a check of the wiring from the HF 1 coupler (4RE1)
               . to the ground:
               4RE1 pins A/G, D
               . to the HF 1 transceiver (3RE1):
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EFF: 202-202, 245-245, 254-275, 503-549, 555-555, 564-599, SROS

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- * 4RE1 pins A/A, L to 3RE1 pins AC/9, 1
- * 4RE1 pins A/B, c to 3RE1 pins AB/4E, 4F
- * 4RE1 pin B to 3RE1 pin AB/C (coaxial) (Ref. ASM 23-11/01).
- (a) If there is no continuity:
 - Repair the related wiring.
- (b) If there is continuity:
 - Do a check and repair the wiring between the HF 1 coupler (4RE1) and the HF antenna (5RE) (Ref. ASM 23-11/01).
 - 1 If there is no continuity:
 - Repair the above wiring.
 - 2 If there is continuity:
 - Replace the ANTENNA-HF (5RE), (Ref. AMM TASK 23-11-11-000-001) and (Ref. AMM TASK 23-11-11-400-001).
- 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, 555-555, 564-599, 701-749, Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599,
 - B. Do the test given in Para. 3.

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

TASK 23-11-00-810-804

Loss of the HF 2 Communication

- 1. Possible Causes
 - COUPLER-HF, 2 (4RE2)
 - XCVR-HF, 2 (3RE2)
 - ANTENNA-HF (5RE)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFEREN		RENCE	DESIGNATION
	AMM	23-11-00-200-001	Check of the Electrical Bonding of the HF System
	AMM	23-11-00-740-001	Bite Test of the HF System
	AMM	23-11-11-000-001	Removal of the HF Antenna (5RE)
	AMM	23-11-11-400-001	Installation of the HF Antenna (5RE)
	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	23-11-36-000-001	Removal of the HF Antenna Coupler
	AMM	23-11-36-400-001	Installation of the HF Antenna Coupler
	ASM	23-11/02	·

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. Test

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

NOTE: Do this test for the HF 2 only.

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TROUBLE SHOOTING MANUAL

**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 CHECK HF 2 ANTENNA CIRCUIT:
 replace the COUPLER-HF, 2 (4RE2), (Ref. AMM TASK 23-11-36-000-001) and
 (Ref. AMM TASK 23-11-36-400-001).
 - (1) If the fault continues:
 - replace the XCVR-HF, 2 (3RE2), (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
 - (2) If the fault continues:
 - Do a check of the electrical bonding of the HF system (Ref. AMM TASK 23-11-00-200-001).
 - (3) If the fault continues:
 - do a check of the wiring from the HF 2 coupler (4RE2)
 - . to the ground:
 - * 4RE2 pins A/G, D
 - . to the HF 2 transceiver (3RE2):
 - * 4RE2 pins A/A, L to 3RE2 pins AC/9, 1
 - * 4RE2 pins A/B, < C to 3RE2 pins AB/4E, 4F
 - * 4RE2 pin B to 3RE2 pin AB/C (coaxial) (Ref. ASM 23-11/02).
 - (a) If there is no continuity:
 - repair the related wiring.
 - (b) If there is continuity:
 - do a check and repair the wiring between the HF 2 coupler (4RE2) and the HF antenna (5RE) (Ref. ASM 23-11/02).
 - 1 If there is no continuity: - repair the above wiring.
 - 2 If there is continuity:
 - replace the ANTENNA-HF (5RE), (Ref. AMM TASK 23-11-11-000-001) and (Ref. AMM TASK 23-11-11-400-001).
- B. Do the test given in Para. 3.

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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 23-11-00-810-807

Continuous Transmission of the HF 1 Transceiver for more than 60 s

1. Possible Causes

- XCVR-HF, 1 (3RE1)
- AMU (1RN)
- ACP-CAPT (2RN1)
- ACP-F/O (2RN2)
- ACP-3RD OCCPNT (2RN3)
- ACP-AVNCS COMPT (2RN4)
- wiring
- SW-RAD PTT, CAPT (11RN)
- RCPT-HAND MIC, CAPT (19RN1)
- SW-RAD PTT, F/O (12RN)
- RCPT-HAND MIC, F/O (19RN2)
- RCPT-HAND MIC, F/O (19RN3)
- RCPT-HAND MIC, AVNCS COMPT (19RN4)

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
IPC	235108	
AMM	23-11-00-710-001	Operational Test of the HF System
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	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	<pre>Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)</pre>
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	27-92-41-000-001	Removal of the Side Stick Assembly 19VU (18VU)
AMM	27-92-41-400-001	Installation of the Side Stick Assembly 19VU (18VU)
ASM	23-11/01	·
ASM	23-51/02	
ASM	23-51/03	
ASM	23-51/04	
ASM	23-51/05	
ASM	23-51/06	

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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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. Test

(1) Do the operational test of the HF system (Ref. AMM TASK 23-11-00-710-001).

NOTE: Do the transmission test for more than 60 s to see the ECAM warning on the upper ECAM DU. (The COM HF 1 EMITTING message comes into view after 60 s of continuous transmission).

NOTE : Do this test at each crew station to find which station is related with the failure.

NOTE: Do this test for the HF 1 system only.

NOTE : At the end of the test (before you do the fault isolation procedure), make sure that these controls are not in the transmit position:

- the HF 1 transmission pushbutton switch on an Audio Control Panel
- a radio PTT switch on one of the two side sticks
- a radio PTT pushbutton switch
- a hand mike selector.

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,

4. Fault Isolation

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

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**

**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. After 60 s, when the HF 1 transmission stops, this ECAM warning does not go out of view:
 - COM HF 1 EMITTING.
 - (1) If the above warning does not go out of view after action on the HF 1 transmission pushbutton switch (green bars off) (on the ACP of the related station): - go to Para. 4.C.
 - (2) If the above warning goes out of view after action on the HF 1 transmission pushbutton switch (green bars off) (on the ACP of the related station):

- go to Para. 4.D.

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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**ON A/C 701-749,

- C. Open the circuit breaker (1RE1) on the panel 49VU, then close it.
 - (1) If the fault continues:
 - do a check for ground at the pin AB/2E of the HF 1 transceiver (3RE1) (Ref. ASM 23-11/01).
 - (a) If there is no ground signal at this pin:
 - do a check and repair the wiring from HF 1 transceiver (3RE1) pin AB/2E to the first terminal block (Ref. ASM 23-11/01).
 - (b) If there is a ground signal at this pin:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring from AMU (1RN) pin AA/12A
 to HF 1 transceiver (3RE1) pin AB/1C (Ref. ASM 23-51/06).
 - go to Para. 4.D.
- 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,
 - Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599,
 - C. Open the circuit breaker (1RE1) on the panel 49VU, then close it.
 - (1) If the fault continues:
 - do a check for ground at the pin AB/2E of the HF 1 transceiver (3RE1) (Ref. ASM 23-11/01).
 - (a) If there is no ground signal at this pin:
 - do a check and repair the wiring from HF 1 transceiver (3RE1)
 pin AB/2E to the first terminal block (Ref. ASM 23-11/01).
 - (b) If there is a ground signal at this pin:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring from AMU (1RN) pin AA/4F to HF 1 transceiver (3RE1) pin AB/1C (Ref. ASM 23-51/06).
 - go to Para. 4.D.

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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**ON A/C 251-251,

- D. The fault is at one of the 3 crew stations or at the avionics compartment station.
 - (1) If the fault is at the Captain station:
 - do a check of continuity between pin AA/9J and pin AA/9K of the AMU (1RN) (Ref. ASM 23-51/02).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, CAPT (11RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins
 AA/9J, 9K and pins 1, 2 of the radio PTT switch (11RN) (Ref. ASM 23-51/02).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - 2 If the fault continues:
 - connect a new hand microphone to the Captain hand microphone receptacle (19RN1) on the panel 17VU.
 - 3 If the fault continues:
 - replace the RCPT-HAND MIC, CAPT (19RN1) (Ref. IPC 235108).
 - 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/10F, 10G and pins 1 and 2 of the Captain hand microphone receptacle (19RN1)) (Ref. ASM 23-51/02).
 - (2) If the fault is at the First Officer station:
 - do a check of continuity between pin AA/12J and pin AA/12K of the AMU (1RN) (Ref. ASM 23-51/03).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, F/O (12RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).

EFF: 251-251,

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- 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
- 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/12J, 12K and pins 1, 2 of the radio PTT switch (12RN) (Ref. ASM 23-51/03).
- (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - If the fault continues:
 - replace the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - If the fault continues:
 - connect a new hand microphone to the First Officer hand microphone receptacle (19RN2) on the panel 16VU.
 - 3 If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN2) (Ref. IPC 235108).
 - 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/13F, 13G and pins 1 and 2 of the First Officer hand microphone receptacle (19RN2)) (Ref. ASM 23-51/03).
- (3) If the fault is at the Third Occupant station:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - replace the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (b) If the fault continues:
 - connect a new hand microphone to the Third Occupant hand microphone receptacle (19RN3) on the panel 62VU.
 - (c) If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN3) (Ref. IPC 235108).
 - (d) If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/1F, 1G and pins 1 and 2 of the Third Occupant hand microphone receptacle (19RN3)) (Ref. ASM 23-51/04).

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EFF:

251-251,

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- (4) If the fault is at the avionics compartment station:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - replace the ACP-AVNCS COMPT (2RN4) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (b) If the fault continues:
 - connect a new hand microphone to the HAND MIC receptacle (19RN4) on the panel 63VU in the avionics compartment.
 - (c) If the fault continues:
 - replace the RCPT-HAND MIC, AVNCS COMPT (19RN4) (Ref. IPC 235108).
 - (d) If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AB/4F, 4G and pins 1 and 2 of the avionics compartment HAND MIC receptacle (19RN4)) (Ref. ASM 23-51/05).
- R **ON A/C 202-202, 205-205, 229-229, 245-245, 254-275, 279-279, 428-428, R 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,
 - D. The fault is at one of the 3 crew stations.
 - (1) If the fault is at the Captain station:
 - do a check of continuity between pin AA/9J and pin AA/9K of the AMU (1RN) (Ref. ASM 23-51/02).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, CAPT (11RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/9J, 9K and pins 1, 2 of the radio PTT switch (11RN) (Ref. ASM 23-51/02).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).

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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- 2 If the fault continues:
 - connect a new hand microphone to the Captain hand microphone receptacle (19RN1) on the panel 17VU.
- <u>3</u> If the fault continues:
 - replace the RCPT-HAND MIC, CAPT (19RN1) (Ref. IPC 235108).
- 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/10F, 10G and pins 1 and 2 of the Captain hand microphone receptacle (19RN1)) (Ref. ASM 23-51/02).
- (2) If the fault is at the First Officer station:
 - do a check of continuity between pin AA/12J and pin AA/12K of the AMU (1RN) (Ref. ASM 23-51/03).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, F/O (12RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/12J, 12K and pins 1, 2 of the radio PTT switch (12RN) (Ref. ASM 23-51/03).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - 2 If the fault continues:
 - connect a new hand microphone to the First Officer hand microphone receptacle (19RN2) on the panel 16VU.
 - 3 If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN2) (Ref. IPC 235108).
 - 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/13F, 13G and pins 1 and 2 of the First Officer hand microphone receptacle (19RN2)) (Ref. ASM 23-51/03).

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- (3) If the fault is at the Third Occupant station:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - replace the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (b) If the fault continues:
 - connect a new hand microphone to the Third Occupant hand microphone receptacle (19RN3) on the panel 62VU.
 - (c) If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN3) (Ref. IPC 235108).
 - (d) If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/1F, 1G and pins 1 and 2 of the Third Occupant hand microphone receptacle (19RN3)) (Ref. ASM 23-51/04).
- 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,
 - E. Do the test given in Para. 3.

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

TASK 23-11-00-810-808

Continuous Transmission of the HF 2 Transceiver for more than 60 s

1. Possible Causes

- XCVR-HF, 2 (3RE2)
- AMU (1RN)
- ACP-CAPT (2RN1)
- ACP-F/O (2RN2)
- ACP-3RD OCCPNT (2RN3)
- wiring
- SW-RAD PTT, CAPT (11RN)
- RCPT-HAND MIC, CAPT (19RN1)
- SW-RAD PTT, F/O (12RN)
- RCPT-HAND MIC, F/O (19RN2)
- RCPT-HAND MIC, F/O (19RN3)

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
IPC	235108	
AMM	23-11-00-710-001	Operational Test of the HF System
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	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
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	27-92-41-000-001	Removal of the Side Stick Assembly 19VU (18VU)
AMM	27-92-41-400-001	Installation of the Side Stick Assembly 19VU (18VU)
ASM	23-11/02	
ASM	23-51/02	
ASM	23-51/03	
ASM	23-51/04	
ASM	23-51/06	

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

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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. Test

(1) Do the operational test of the HF system (Ref. AMM TASK 23-11-00-710-001).

NOTE: Do the transmission test for more than 60 s to see the ECAM warning on the upper ECAM DU.

(The COM HF 2 EMITTING message comes into view after 60 s of continuous transmission).

NOTE : Do this test at each crew station to find which station is related with the failure.

NOTE: Do this test for the HF 2 system only.

NOTE : At the end of the test (before you do the fault isolation procedure), make sure that these controls are not in the transmit position:

- the HF 2 transmission pushbutton switch on an Audio Control Panel
- a radio PTT switch on one of the two side sticks
- a radio PTT pushbutton switch
- a hand mike selector.

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

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,

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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. After 60 s, when the HF 2 transmission stops, this ECAM warning does not go out of view:
 - COM HF 2 EMITTING.
 - (1) If the above warning does not go out of view after action on the HF 2 transmission pushbutton switch (green bars off) (on the ACP of the related station):
 - go to Para. 4.C.
 - (2) If the above warning goes out of view after action on the HF 2 transmission pushbutton switch (green bars off) (on the ACP of the related station):
 - go to Para. 4.D.
- C. Open the circuit breaker 1RE2 on the panel 121VU, then close it.
 - (1) If the fault continues:
 - do a check for ground at the pin AB/2E of the HF 2 transceiver (3RE2) (Ref. ASM 23-11/02).
 - (a) If there is no ground signal at this pin:
 - do a check and repair the wiring from HF 2 transceiver(3RE2) pin AB/2E to the first terminal block (Ref. ASM 23-11/02).
 - (b) If there is a ground signal at this pin:
 - replace the XCVR-HF, 2 (3RE2) (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
 - 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).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pin AA/5F and HF 2 transceiver (3RE2) pin AB/1C (Ref. ASM 23-51/06).
 - go to Para. 4.D.

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

- D. The fault is at one of the 3 crew stations.
 - (1) If the fault is at the Captain station:
 - do a check of continuity between pin AA/9J and pin AA/9K of the AMU (1RN) (Ref. ASM 23-51/02).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, CAPT (11RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins
 AA/9J, 9K and pins 1, 2 of the radio PTT switch (11RN) (Ref. ASM 23-51/02).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - 2 If the fault continues:
 - connect a new hand microphone to the Captain hand microphone receptacle (19RN1) on the panel 17VU.
 - 3 If the fault continues:
 - replace the RCPT-HAND MIC, CAPT (19RN1) (Ref. IPC 235108).
 - 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/10F, 10G and pins 1 and 2 of the Captain hand microphone receptacle (19RN1)) (Ref. ASM 23-51/02).
 - (2) If the fault is at the First Officer station:
 - do a check of continuity between pin AA/12J and pin AA/12K of the AMU (1RN) (Ref. ASM 23-51/03).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, F/O (12RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).

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- 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
- 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/12J, 12K and pins 1, 2 of the radio PTT switch (12RN) (Ref. ASM 23-51/03).
- (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - 2 If the fault continues:
 - connect a new hand microphone to the First Officer hand microphone receptacle (19RN2) on the panel 16VU.
 - 3 If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN2) (Ref. IPC 235108).
 - 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/13F, 13G and pins 1 and 2 of the First Officer hand microphone receptacle (19RN2)) (Ref. ASM 23-51/03).
- (3) If the fault is at the Third Occupant station:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - replace the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (b) If the fault continues:
 - connect a new hand microphone to the Third Occupant hand microphone receptacle (19RN3) on the panel 62VU.
 - (c) If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN3) (Ref. IPC 235108).
 - (d) If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AB/1F, 1G and pins 1 and 2 of the Third Occupant hand microphone receptacle (19RN3)) (Ref. ASM 23-51/04).

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

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

- D. The fault is at one of the 3 crew stations.
 - (1) If the fault is at the Captain station:
 - do a check of continuity between pin AA/12E and pin AA/5B of the AMU (1RN) (Ref. ASM 23-51/02).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, CAPT (11RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/12E, 5B and pins 1, 2 of the radio PTT switch (11RN) (Ref. ASM 23-51/02).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - 2 If the fault continues:
 - connect a new hand microphone to the Captain hand microphone receptacle (19RN1) on the panel 17VU.
 - 3 If the fault continues:
 - replace the RCPT-HAND MIC, CAPT (19RN1) (Ref. IPC 235108).
 - 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/14E, 8E and pins 1 and 2 of the Captain hand microphone receptacle (19RN1)) (Ref. ASM 23-51/02).
 - (2) If the fault is at the First Officer station:
 - do a check of continuity between pin AA/12D and pin AB/6B of the AMU (1RN) (Ref. ASM 23-51/03).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, F/O (12RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).

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- 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
- 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/12D, AB/6B and pins 1, 2 of the radio PTT switch (12RN) (Ref. ASM 23-51/03).
- (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - 2 If the fault continues:
 - connect a new hand microphone to the First Officer hand microphone receptacle (19RN2) on the panel 16VU.
 - 3 If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN2) (Ref. IPC 235108).
 - 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/13F, 13G and pins 1 and 2 of the First Officer hand microphone receptacle (19RN2)) (Ref. ASM 23-51/03).
- (3) If the fault is at the Third Occupant station:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - replace the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (b) If the fault continues:
 - connect a new hand microphone to the Third Occupant hand microphone receptacle (19RN3) on the panel 62VU.
 - (c) If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN3) (Ref. IPC 235108).
 - (d) If the fault continues:

551-553, 555-555,

 do a check and repair the wiring (between AMU (1RN) pins AB/5D, AA/12C and pins 1 and 2 of the Third Occupant hand microphone receptacle (19RN3)) (Ref. ASM 23-51/04).

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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,

E. Do the test given in Para. 3.

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

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**ON A/C 202-202, 205-205, 245-245, 251-251, 254-275, 551-553, 555-555, 564-599, 701-749,

TASK 23-11-00-810-809

Loss of the Two HF Communications

- 1. Possible Causes
 - ANTENNA-HF (5RE)
 - HF Feeder
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

```
AMM 23-11-00-200-001 Check of the Electrical Bonding of the HF System

AMM 23-11-00-740-001 Bite Test of the HF System

AMM 23-11-11-000-001 Removal of the HF Antenna (5RE)

AMM 23-11-11-400-001 Installation of the HF Antenna (5RE)

ASM 23-11/01
```

3. Fault Confirmation

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

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

NOTE: Do this test for the two HF systems.

**ON A/C 202-202, 205-205, 245-245, 251-251, 254-275, 551-553, 555-555, 564-599, 701-749,

4. Fault Isolation

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

Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599, Post SB 23-1131 For A/C 202-202,245-245,555-555,564-599,

- A. If the test gives the two maintenance messages HF1 (3RE1) /COAX and HF2 (3RE2) /COAX:
 - Replace the ANTENNA-HF (5RE) (Ref. AMM TASK 23-11-11-000-001) and (Ref. AMM TASK 23-11-11-400-001).

EFF: 202-202, 205-205, 245-245, 251-251, 254-275, 551-553, 555-555, 564-599, 701-749,

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- (1) If the fault continues:
 - Do a check of the electrical bonding of the HF system (Ref. AMM TASK 23-11-00-200-001).
- (2) If the fault continues:
 - Do a check and repair the HF Feeder from the HF antenna (5RE) to the first terminal block (Ref. ASM 23-11/01).

**ON A/C 205-205, 251-251, 254-275, 551-553, 701-749,

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

- A. If the test gives the two maintenance messages CHECK HF1 ANTENNA CIRCUIT, CHECK HF2 ANTENNA CIRCUIT:
 - Replace the ANTENNA-HF (5RE) (Ref. AMM TASK 23-11-11-000-001) and (Ref. AMM TASK 23-11-11-400-001).
 - (1) If the fault continues:
 - Do a check of the electrical bonding of the HF system (Ref. AMM TASK 23-11-00-200-001).
 - (2) If the fault continues:
 - Do a check and repair the HF Feeder from the HF antenna (5RE) to the first terminal block (Ref. ASM 23-11/01).

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

B. Do the test given in Para. 3.

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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 23-11-00-810-810

Loss of the HF 1 System

- 1. Possible Causes
 - COUPLER-HF, 1 (4RE1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
23-11-00-810-801 23-11-00-810-803	Failure of the HF 1 Transceiver Loss of the HF 1 Communication

AMM 23-11-00-740-001 Bite Test of the HF Antenna Coupler
AMM 23-11-36-400-001 Installation of the HF Antenna Coupler

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

NOTE: Do this test for the HF 1 only.

- 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

**ON A/C 205-205, 251-251, 254-275, 701-749,

- A. If the test gives this maintenance message:
 - (1) HF1 (3RE1):
 - do the fault isolation procedure (Ref. TASK 23-11-00-810-801).
 - (2) HF1 ANTENNA (5RE1)/FEEDER (6RE1)/CPLR (4RE1)/COAX:
 do the fault isolation procedure (Ref. TASK 23-11-00-810-803).

EFF: 202-202, 205-205, 229-229, 245-245, 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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R **ON A/C 229-229, 279-279, 428-428, 451-451, 478-479,

- A. If the test gives this maintenance message:
 - (1) HF 1 TRANSCEIVER:
 - do the fault isolation procedure (Ref. TASK 23-11-00-810-801).
 - (2) CHECK HF 1 ANTENNA CIRCUIT:
 - do the fault isolation procedure (Ref. TASK 23-11-00-810-803).

**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 this maintenance message:
 - (1) HF1 (3RE1):
 - do the fault isolation procedure (Ref. TASK 23-11-00-810-801).
 - (2) HF1 (3RE1) /COAX:
 - do the fault isolation procedure (Ref. TASK 23-11-00-810-803).
- 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. If the test gives no maintenance message:
 - replace the COUPLER-HF, 1 (4RE1) (Ref. AMM TASK 23-11-36-000-001) and (Ref. AMM TASK 23-11-36-400-001).

TROUBLE SHOOTING MANUAL

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

TASK 23-11-00-810-811

Loss of the HF 2 System

- 1. Possible Causes
 - COUPLER-HF, 2 (4RE2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
23-11-00-810-802 23-11-00-810-804 AMM 23-11-00-740-001 AMM 23-11-36-000-001 AMM 23-11-36-400-001	Failure of the HF 2 Transceiver Loss of the HF 2 Communication Bite Test of the HF System Removal of the HF Antenna Coupler Installation of the HF Antenna Coupler
3 Fault Confirmation	

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

NOTE: Do this test for the HF 2 only.

**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 this maintenance message:
 - (1) HF 2 TRANSCEIVER:
 - do the fault isolation procedure (Ref. TASK 23-11-00-810-802).

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

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TROUBLE SHOOTING MANUAL

- (2) CHECK HF 2 ANTENNA CIRCUIT:
 - do the fault isolation procedure (Ref. TASK 23-11-00-810-804).
- B. If the test gives no maintenance message:
 - replace the COUPLER-HF, 2 (4RE2) (Ref. AMM TASK 23-11-36-000-001) and (Ref. AMM TASK 23-11-36-400-001).

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

23-11-00

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EFF:

TROUBLE SHOOTING MANUAL

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

TASK 23-11-00-810-812

Loss of the two HF Systems

- 1. Possible Causes
 - COUPLER-HF, 1 (4RE1)
 - COUPLER-HF, 2 (4RE2)
 - wiring from HF 1 coupler (4RE1) to HF 2 coupler (4RE2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

23-11-00-810-809

AMM 23-11-00-710-001

AMM 23-11-00-740-001

AMM 23-11-36-000-001

AMM 23-11-36-400-001

AMM 23-11-36-400-001

AMM 23-11-36-400-001

AMM 23-11-36-400-001

AMM 23-11/01

Loss of the Two HF Communications
Operational Test of the HF System

Removal of the HF Antenna Coupler

Installation of the HF Antenna Coupler

ASM 23-11/01

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

NOTE: Do this test for the two HF 1 and HF 2 systems.

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

- 4. Fault Isolation
- **ON A/C 202-202, 245-245, 555-555,
 - A. If the test gives the two maintenance messages HF1 (3RE1)/COAX and HF2 (3RE2)/COAX:
 - do the fault isolation procedure (Ref. TASK 23-11-00-810-809).

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

23-11-00

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**ON A/C 551-553,

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

- A. If the test gives the two maintenance messages CHECK HF 1 ANTENNA CIRCUIT and CHECK HF 2 ANTENNA CIRCUIT:
 - do the fault isolation procedure (Ref. TASK 23-11-00-810-809).

**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. If the test gives no maintenance message:
 - replace the COUPLER-HF, 1 (4RE1) (Ref. AMM TASK 23-11-36-000-001) and (Ref. AMM TASK 23-11-36-400-001).
 - (1) If the fault continues:
 - replace the COUPLER-HF, 2 (4RE2) (Ref. AMM TASK 23-11-36-000-001)
 and (Ref. AMM TASK 23-11-36-400-001).
 - (2) If the fault continues:
 - do a check and repair the wiring from HF 1 coupler (4RE1) to HF 2 coupler (4RE2) of the DISABLE 1 and 2 signals, from pins A/X, Y to pins A/X, Y (Ref. ASM 23-11/01).
- C. Do the operational test of the HF system (Ref. AMM TASK 23-11-00-710-001).

NOTE: Do this test for the two HF 1 and HF 2 systems.

23-11-00

EFF:

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

TROUBLE SHOOTING MANUAL

R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, R 555-555, 564-599,

TASK 23-11-00-810-813

No Tuning of the HF 1 Coupler

- 1. Possible Causes
 - COUPLER-HF, 1 (4RE1)
 - XCVR-HF, 1 (3RE1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-11-00-710-001	Operational Test of the HF System
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	23-11-36-000-001	Removal of the HF Antenna Coupler
AMM	23-11-36-400-001	Installation of the HF Antenna Coupler
ASM	23-11/01	·

- 3. Fault Confirmation
- R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479,
 R 555-555, 564-599,
 Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599,
 - A. Test

Do the operational test of the HF system (Ref. AMM TASK 23-11-00-710-001).

NOTE: Do this test for the HF 1 system only.

EFF: 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, 555-555, 564-599,

23-11-00

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- R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, R 555-555, 564-599,
 - 4. Fault Isolation
- R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479,
 R 555-555, 564-599,
 Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599,
 - A. If the 1000 Hz audio signal continues after 15 seconds transmission:
 replace the COUPLER-HF, 1 (4RE1) (Ref. AMM TASK 23-11-36-000-001) and
 (Ref. AMM TASK 23-11-36-400-001).
 - (1) If the fault continues:
 - replace the XCVR-HF, 1 (3RE1) (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
 - (a) If the fault continues:
 - do a check of the wiring of the KEY LINE signal (from HF 1 coupler (4RE1) pin A/K to the first terminal block) (Ref. ASM 23-11/01).
 - 1 If there is no continuity:
 repair the above wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from HF 1 coupler (4RE1) pins A/F, H, S to HF 1 transceiver (3RE1) pins AB/5B, 5C, 5H (Ref. ASM 23-11/01).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

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

TASK 23-11-00-810-814

No Tuning of the HF 2 Coupler

- 1. Possible Causes
 - COUPLER-HF, 2 (4RE2)
 - XCVR-HF, 2 (3RE2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-11-00-710-001 AMM 23-11-33-000-001 AMM 23-11-33-400-001 AMM 23-11-36-000-001 AMM 23-11-36-400-001 ASM 23-11/02	Operational Test of the HF System Removal of the HF Transceiver (3RE1, 3RE2) Installation of the HF Transceiver (3RE1, 3RE2) Removal of the HF Antenna Coupler Installation of the HF Antenna Coupler

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. Test

Do the operational test of the HF system (Ref. AMM TASK 23-11-00-710-001).

NOTE: Do this test for the HF 2 system only.

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TROUBLE SHOOTING MANUAL

**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 1000 Hz audio signal continues after 15 seconds transmission:
 replace the COUPLER-HF, 2 (4RE2) (Ref. AMM TASK 23-11-36-000-001) and
 (Ref. AMM TASK 23-11-36-400-001).
 - (1) If the fault continues:
 - replace the XCVR-HF, 2 (3RE2) (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
 - (a) If the fault continues:
 - do a check of the wiring of the KEY LINE signal (from HF 2 coupler (4RE2) pin A/K to the first terminal block) (Ref. ASM 23-11/02).
 - 1 If there is no continuity:
 repair the above wiring.
 - 2 If there is continuity:
 - do a check and repair the wiring from HF 2 coupler (4RE2) pins A/F, H, S to HF 2 transceiver (3RE2) pins AB/5B, 5C, 5H (Ref. ASM 23-11/02).
- B. Do the test given in Para. 3.

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

TROUBLE SHOOTING MANUAL

R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, R 555-555, 564-599,

TASK 23-11-00-810-815

Loss of the HF 1 Transmission

- 1. Possible Causes
 - XCVR-HF, 1 (3RE1)
 - AMU (1RN)
 - wiring from the HF 1 transceiver (3RE1) to the AMU (1RN)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-11-00-710-001	Operational Test of the HF System
	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	23-51-34-000-001	Removal of the Audio Management Unit (AMÚ) (1RN)
AMM	23-51-34-400-001	Installation of the Audio Management Unit (AMU) (1RN)
ASM	23-11/01	

- 3. Fault Confirmation
- R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479,
 R 555-555, 564-599,
 Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599,
 - A. Test
 - (1) Do the operational test of the HF system (Ref. AMM TASK 23-11-00-710-001).

NOTE: Do this test for the HF 1 system only.

EFF: 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, 555-555, 564-599,

23-11-00

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TROUBLE SHOOTING MANUAL

- R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, R 555-555, 564-599,
 - 4. Fault Isolation
- R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, R 555-555, 564-599, Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599,
 - A. If the transmission function is not possible during the operational test of the HF 1 system:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the HF 1 transceiver
 (3RE1) to the AMU (1RN) of the MIKE INPUT signal, from pins
 AB/1A, 1B to pins AA/4D, 4E) (Ref. ASM 23-11/01).
 - B. Do the test given in Para. 3.

EFF: 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, 555-555, 564-599,

23-11-00

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TROUBLE SHOOTING MANUAL

R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, R 555-555, 564-599,

TASK 23-11-00-810-816

Loss of the HF 1 Reception

- 1. Possible Causes
 - XCVR-HF, 1 (3RE1)
 - AMU (1RN)
 - wiring from the HF 1 transceiver (3RE1) to the AMU (1RN)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
	23-11-00-710-001 23-11-33-000-001	Operational Test of the HF System Removal of the HF Transceiver (3RE1, 3RE2)
AMM	23-11-33-400-001 23-51-34-000-001	Installation of the HF Transceiver (3RE1, 3RE2) Removal of the Audio Management Unit (AMU) (1RN)
AMM	23-51-34-400-001 23-11/01	Installation of the Audio Management Unit (AMU) (1RN)
7.0	23, 5 .	

- 3. Fault Confirmation
- R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479,
 R 555-555, 564-599,
 Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599,
 - A. Test
 - (1) Do the operational test of the HF system (Ref. AMM TASK 23-11-00-710-001).

NOTE: Do this test for the HF 1 system only.

EFF: 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, 555-555, 564-599,

23-11-00

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- R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, R 555-555, 564-599,
 - 4. Fault Isolation
- R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, R 555-555, 564-599, Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599,
 - A. If the reception function is not possible during the operational test of the HF 1 system:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the HF 1 transceiver (3RE1) to the AMU (1RN) of the AUDIO SIDETONE OUTPUT signal, from pins AB/1E, 1D to pins AA/4A, 4B (Ref. ASM 23-11/01).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

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

TASK 23-11-00-810-817

Loss of the HF 2 Transmission

- 1. Possible Causes
 - XCVR-HF, 2 (3RE2)
 - AMU (1RN)

REFERENCE

- wiring from the HF 2 transceiver (3RE2) to the AMU (1RN)

DESIGNATION

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

		2 = 0 = 0.11.1 = 0.11
AMM	23-11-00-710-001	Operational Test of the HF System
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	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)
ASM	23-11/01	

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. Test
 - (1) Do the operational test of the HF system (Ref. AMM TASK 23-11-00-710-001).

NOTE: Do this test for the HF 2 system only.

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

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TROUBLE SHOOTING MANUAL

**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 transmission function is not possible during the operational test of the HF 2 system:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the HF 2 transceiver (3RE2) to the AMU (1RN) of the MIKE INPUT signal, from pins AB/1B, 1A to pins AA/5D, 5E (Ref. ASM 23-11/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

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

TASK 23-11-00-810-818

Loss of the HF 2 Reception

- 1. Possible Causes
 - AMU (1RN)
 - 3RE2

REFERENCE

- wiring from the HF 2 transceiver (3RE2) to the AMU (1RN)

DESIGNATION

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

	·	
AMM	23-11-00-710-001	Operational Test of the HF System
AMM	27 44 77 000 004	
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	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)
	23-11/02	

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. Test

(1) Do the operational test of the HF system (Ref. AMM TASK 23-11-00-710-001).

NOTE: Do this test for the HF 2 system only.

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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 reception function is not possible during the operational test of the HF 2 system:
 - replace the 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the HF 2 transceiver (3RE2) to the AMU (1RN) of the AUDIO SIDETONE OUTPUT signal, from pins AB/1D, 1E to pins AA/5A, 5B (Ref. ASM 23-11/02).
- B. Do the test given in Para. 3.

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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, 503-549, 555-555, 564-599, 701-749,

TASK 23-11-00-810-819

Loss of the BUS 1 Data from the CFDIU to the HF 1

- 1. Possible Causes
 - XCVR-HF, 1 (3RE1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 23-11-00-740-001 Bite Test of the HF System 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)

ASM 31-32/02

- 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

121VU CFDS/CFDIU/SPLY 2TW J18

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, 701-749,

121VU CFDS/CFDIU/BACK/UP

8TW J17

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

NOTE: Do this test for the HF 1 only.

EFF: 202-202, 205-205, 229-229, 245-245, 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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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, 503-549, 555-555, 564-599, 701-749,
 - 4. Fault Isolation
- R **ON A/C 229-229, 279-279, 428-428, 451-451, 478-479,
 - A. If the test gives the maintenance message HF 1 NO DATA FROM CFDIU:
 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:
 - do a check and repair the wiring of the BUS 1 OUTPUT signal, from the HF 1 transceiver (3RE1) pins AB/4A, 4B to the first terminal block(Ref. ASM 31-32/02).

```
**ON A/C 202-202, 205-205, 245-245, 251-251, 254-275, 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. If the test gives the maintenance message CFDIU (1TW)/HF1 (3RE1):
 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:
 - do a check and repair the wiring of the BUS 1 OUTPUT signal (from the HF 1 transceiver (3RE1) pins AB/4A, 4B to the first terminal block) (Ref. ASM 31-32/02).
- 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. Do the test given in Para. 3.B.

TROUBLE SHOOTING MANUAL

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

TASK 23-11-00-810-820

Loss of the BUS 2 Data from the CFDIU to the HF 2

- 1. Possible Causes
 - XCVR-HF, 2 (3RE2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM 23-11-00-740-001 Bite Test of the HF System

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)

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	
12 1 V U	CFDS/CFDIU/SPLY	2TW J18	
12 1VU	CFDS/CFDIU/BACK/UP	8TW J17	

B. Test

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

NOTE: Do this test for the HF 2 only.

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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 HF 2 NO DATA FROM CFDIU:
 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:
 - do a check and repair the wiring of the BUS 2 OUTPUT signal,(from the HF 2 transceiver (3RE2) pins AB/4A, 4B to the first terminal block)(Ref. ASM 31-32/03).
- B. Do the test given in Para. 3.B.

23-11-00

EFF:

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

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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, 555-555, 564-599, 701-749,

TASK 23-11-00-810-821

Loss of the HF 1 Antenna Coupler Function

- 1. Possible Causes
 - COUPLER-HF, 1 (4RE1)
 - ANTENNA-HF (5RE)
 - feedline
 - HF 1 feeder (6RE1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

AMM	23-11-00-200-001	Check of the Electrical Bonding of the HF System
AMM	23-11-00-740-001	Bite Test of the HF System
AMM	23-11-11-000-001	Removal of the HF Antenna (5RE)
AMM	23-11-11-400-001	Installation of the HF Antenna (5RE)
AMM	23-11-36-000-001	Removal of the HF Antenna Coupler
AMM	23-11-36-400-001	Installation of the HF Antenna Coupler
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. Test
 - (1) Do the BITE test of the HF system (Ref. AMM TASK 23-11-00-740-001).

NOTE: Do this test for the HF 1 only.

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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- 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

**ON A/C 205-205, 251-251, 254-275, 701-749,

- A. If the test gives the maintenance message HF1 CPLR (4RE1):
 - Replace the COUPLER-HF, 1 (4RE1) (Ref. AMM TASK 23-11-36-000-001) and (Ref. AMM TASK 23-11-36-400-001).
 - (1) If the fault continues:
 - Remove the HF 1 coupler
 - Make sure that there is continuity on the feedline between the HF 1 coupler (4RE1) and the HF antenna (5RE) (Ref. ASM 23-11/01).
 - Repair the HF 1 feeder (6RE1) if necessary
 - Install the HF 1 coupler.
 - (2) If the fault continues:
 - Do a check of the electrical bonding of the HF system (Ref. AMM TASK 23-11-00-200-001).
 - (3) If the fault continues:
 - Replace the ANTENNA-HF (5RE) (Ref. AMM TASK 23-11-11-000-001) and (Ref. AMM TASK 23-11-11-400-001).
- R **ON A/C 229-229, 279-279, 428-428, 451-451, 478-479,
 - A. If the test gives the maintenance message HF1: CHECK HF ANTENNA COUPLER:
 - Replace the COUPLER-HF, 1 (4RE1) (Ref. AMM TASK 23-11-36-000-001) and (Ref. AMM TASK 23-11-36-400-001).
 - (1) If the fault continues:
 - Remove the HF 1 coupler
 - Make sure that there is continuity on the feedline between the HF 1 coupler (4RE1) and the HF antenna (5RE) (Ref. ASM 23-11/01).
 - Repair the HF 1 feeder (6RE1) if necessary
 - Install the HF 1 coupler.
 - (2) If the fault continues:
 - Do a check of the electrical bonding of the HF system (Ref. AMM TASK 23-11-00-200-001).
 - (3) If the fault continues:
 - Replace the ANTENNA-HF (5RE) (Ref. AMM TASK 23-11-11-000-001) and (Ref. AMM TASK 23-11-11-400-001).

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

Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599, Post SB 23-1131 For A/C 202-202,245-245,555-555,564-599,

- A. If the test gives the maintenance message HF1 CPLR (4RE1)/FEEDER (6RE1)/ANTENNA (5RE)
 - Replace the COUPLER-HF, 1 (4RE1) (Ref. AMM TASK 23-11-36-000-001) and (Ref. AMM TASK 23-11-36-400-001).
 - (1) If the fault continues:
 - Remove the HF 1 coupler
 - Make sure that there is continuity on the feedline between the HF 1 coupler (4RE1) and the HF antenna (5RE) (Ref. ASM 23-11/01).
 - Repair the HF 1 feeder (6RE1) if necessary
 - Install the HF 1 coupler.
 - (2) If the fault continues:
 - Do a check of the electrical bonding of the HF system (Ref. AMM TASK 23-11-00-200-001).
 - (3) If the fault continues:
 - Replace the ANTENNA-HF (5RE) (Ref. AMM TASK 23-11-11-000-001) and (Ref. AMM TASK 23-11-11-400-001).
- 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, 555-555, 564-599, 701-749, Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599,
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

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

TASK 23-11-00-810-822

Loss of the HF 2 Antenna Coupler Function

- 1. Possible Causes
 - COUPLER-HF, 2 (4RE2)
 - ANTENNA-HF (5RE)
 - feedline
 - HF 2 feeder (6RE2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-11-00-200-001	Check of the Electrical Bonding of the HF System
AMM	23-11-00-740-001	Bite Test of the HF System
AMM	23-11-11-000-001	Removal of the HF Antenna (5RE)
AMM	23-11-11-400-001	Installation of the HF Antenna (5RE)
AMM	23-11-36-000-001	Removal of the HF Antenna Coupler
AMM	23-11-36-400-001	Installation of the HF Antenna Coupler
ASM	23-11/02	

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

NOTE: Do this test for the HF 2 only.

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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 CPLR (4RE2)/FEEDER (6RE2)/ANTENNA (5RE2)
 - Replace the COUPLER-HF, 2 (4RE2) (Ref. AMM TASK 23-11-36-000-001) and (Ref. AMM TASK 23-11-36-400-001).
 - (1) If the fault continues:
 - Remove the HF 2 coupler
 - Make sure that there is continuity on the feedline between the HF 2 coupler (4RE2) and the HF antenna (5RE) (Ref. ASM 23-11/02).
 - Repair the HF 2 feeder (6RE2) if necessary
 - Install the HF 2 coupler.
 - (2) If the fault continues:
 - Do a check of the electrical bonding of the HF system (Ref. AMM TASK 23-11-00-200-001).
 - (3) If the fault continues:
 - Replace the ANTENNA-HF (5RE) (Ref. AMM TASK 23-11-11-000-001) and (Ref. AMM TASK 23-11-11-400-001).
- B. Do the test given in Para. 3.

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EFF:

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

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R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, R 503-549, 551-553, 555-555, 564-599,

TASK 23-11-00-810-823

Loss of one or two HF transmission/reception

- 1. Possible Causes
 - CAPT PTT SWITCH (11RN)
 - F/O PTT SWITCH (12RN)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION		
A A T	AMM 23-11-00-710-001 AMM 27-92-41-000-010 AMM 27-92-41-400-010 ISM 23-11-00-810-815 ISM 23-11-00-810-816	Operational Test of the HF System Removal of the Radio PTT Switch (11RN,12RN) Installation of the Radio PTT Switch (11RN,12RN) Loss of the HF 1 Transmission Loss of the HF 1 Reception		
	TSM 23-11-00-810-817 TSM 23-11-00-810-818	Loss of the HF 2 Transmission Loss of the HF 2 Reception		

3. Fault Confirmation

```
R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479,
R 503-549, 551-553, 555-555, 564-599,
Post SB 23-1024 For A/C 202-202,245-245,503-549,555-555,564-599,
Post SB 23-1057 For A/C 202-202,245-245,551-553,555-555,
```

A. Test

(1) Do the operational test of the HF system (Ref. AMM TASK 23-11-00-710-001).

R | EFF : 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, 503-549, 551-553, 555-555, 564-599, SROS

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- R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, R 503-549, 551-553, 555-555, 564-599,
 - 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. The transmission function is not possible during the operational test of the HF 1/HF 2 system:
 - Do the procedure (Ref. TSM TASK 23-11-00-810-815) (Ref. TSM TASK 23-11-00-810-817).
 - (1) If the reception function is not possible during the operational test of the HF 1/HF 2 system:
 - Do the procedure (Ref. TSM TASK 23-11-00-810-816) (Ref. TSM TASK 23-11-00-810-818).
 - (a) If the fault continues and if the Captain does the report of the event:
 - Replace on the Captain's side stick the CAPT PTT SWITCH (11RN), (Ref. AMM TASK 27-92-41-000-010) (Ref. AMM TASK 27-92-41-400-010).
 - (b) If the fault continues and if the First Officer does the report of the event:
 - Replace on the First Officer's side stick the F/O PTT SWITCH (12RN), (Ref. AMM TASK 27-92-41-000-010) (Ref. AMM TASK 27-92-41-400-010).
- R **ON A/C 229-229, 279-279, 428-428, 451-451, 478-479, 503-549, 564-599,

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

- A. If the transmission function is not possible during the operational test of the HF 1 system:
 - Do the procedure (Ref. TSM TASK 23-11-00-810-815).
 - (1) If the reception function is not possible during the operational test of the HF 1 system:
 - Do the procedure (Ref. TSM TASK 23-11-00-810-816).
 - (a) If the fault continues and if the Captain does the report of the event:
 - Replace on the Captain's side stick the CAPT PTT SWITCH (11RN), (Ref. AMM TASK 27-92-41-000-010) (Ref. AMM TASK 27-92-41-400-010).

EFF: 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, 503-549, 551-553, 555-555, 564-599, SROS

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- (b) If the fault continues and if the First Officer does the report of the event:
 - Replace on the First Officer's side stick the F/O PTT SWITCH (12RN), (Ref. AMM TASK 27-92-41-000-010) (Ref. AMM TASK 27-92-41-400-010).

R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479,
R 503-549, 551-553, 555-555, 564-599,
Post SB 23-1024 For A/C 202-202,245-245,503-549,555-555,564-599,
Post SB 23-1057 For A/C 202-202,245-245,551-553,555-555,

B. Do the operational test of the HF system (Ref. AMM TASK 23-11-00-710-001).

R

R EFF: 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, 503-549, 551-553, 555-555, 564-599, SROS

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VHF SYSTEM - FAULT ISOLATION PROCEDURES

TASK 23-12-00-810-801

Failure of the VHF 1 Transceiver

- 1. Possible Causes
 - XCVR-VHF, 1 (1RC1)
 - wiring
 - C/B-COM/VHF/1 (2RC1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-12-00-740-001	BITE Test of the VHF System	
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>	
ASM	23-12/01		

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

NOTE: Do this test for the VHF 1 only.

- 4. Fault Isolation
 - A. Table of the circuit breakers used in this procedure:

	DESIGNATION		LOCATION
121VU	COM NAV/VHF/2	2RC2	L04

R

SROS

EFF: ALL 23-12-00

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R **ON A/C 201-225, 227-227, 229-237, 239-299, 426-499, 503-549, 551-599, R 701-749,

- B. If the test gives the maintenance message VHF1 (1RC1):do a check of the circuit breaker (2RC1) status.
 - (1) If the circuit breaker is closed:
 - do a check for 28DC at pin AC/2 of the VHF 1 transceiver (1RC1) (Ref. ASM 23-12/01).
 - (a) If there is 28DC:
 - replace the XCVR-VHF, 1 (1RC1), (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (b) If there is no 28DC:
 - do a check for a ground signal at pin AB/3D of the VHF 1 transceiver (1RC1) (Ref. ASM 23-12/01).
 - 1 If there is no ground signal:
 - repair the wiring between the VHF 1 transceiver pin AB/3D and the ground terminal (Ref. ASM 23-12/01).
 - 2 If there is a ground signal:
 - do a check of the wiring between the VHF 1 transceiver pin AC/2 and the circuit breaker 2RC1 (Ref. ASM 23-12/01).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker 2RC1.
 - (2) If the circuit breaker is open:
 close it.
 - (a) If it opens again:
 - replace the VHF 1 transceiver (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - 1 If the fault continues:
 - do a check for a short-to-ground at the wiring between the VHF 1 transceiver pin AC/2 and the circuit breaker 2RC1 (Ref. ASM 23-12/01).
 - <u>a</u> If there is a short-to-ground:repair the related wiring
 - <u>b</u> If there is no short-to-ground:replace the C/B-COM/VHF/1 (2RC1).

EFF: 201-225, 227-227, 229-237, 239-299, 426-499, 503-549, 551-599, 701-749,

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(b) If the circuit breaker stays closed and the fault continues: - replace the VHF 1 transceiver (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).

**ON A/C 238-238,

- B. If the test gives the maintenance message VHF1 TRANSCEIVER:
 - do a check of the circuit breaker (2RC1) status.
 - (1) If the circuit breaker is closed:
 - do a check for 28DC at pin AC/2 of the VHF 1 transceiver (1RC1)
 (Ref. ASM 23-12/01).
 - (a) If there is 28DC:
 - replace the XCVR-VHF, 1 (1RC1), (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (b) If there is no 28DC:
 - do a check for a ground signal at pin AB/3D of the VHF 1 transceiver (1RC1) (Ref. ASM 23-12/01).
 - 1 If there is no ground signal:
 - repair the wiring between the VHF 1 transceiver pin AB/3D and the ground terminal (Ref. ASM 23-12/01).
 - 2 If there is a ground signal:
 - do a check of the wiring between the VHF 1 transceiver pin AC/2 and the circuit breaker 2RC1 (Ref. ASM 23-12/01).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker 2RC1.
 - (2) If the circuit breaker is open:
 - close it.
 - (a) If it opens again:
 - replace the VHF 1 transceiver (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - 1 If the fault continues:
 - do a check for a short-to-ground at the wiring between the VHF 1 transceiver pin AC/2 and the circuit breaker 2RC1 (Ref. ASM 23-12/01).
 - <u>a</u> If there is a short-to-ground:repair the related wiring

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R	b If there is no short-to-ground:
R	- replace the C/B-COM/VHF/1 (2RC1).
R	(b) If the circuit breaker stays closed and the fault continues:
R	- replace the VHF 1 transceiver (Ref. AMM TASK 23-12-33-000-001)
R	and (Ref. AMM TASK 23-12-33-400-001).

**ON A/C ALL

C. Do the test given in Para. 3.

EFF: ALL
SROS

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TASK 23-12-00-810-802

Failure of the VHF 2 Transceiver

- 1. Possible Causes
 - XCVR-VHF, 2 (1RC2)
 - wiring
 - C/B-COM NAV/VHF/2 (2RC2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-12-00-740-001 AMM 23-12-33-000-001 AMM 23-12-33-400-001 ASM 23-12/02	Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3)

- 3. Fault Confirmation
 - A. Test

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

NOTE: Do this test for the VHF 2 only.

- 4. Fault Isolation
 - A. Table of the circuit breakers used in this procedure:

PANEL	DESIGNATION	IDENT.	LOCATION
12101	COM NAV/VHF/2	2RC2	ı N4

R

SROS

EFF: ALL 23-12-00

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R **ON A/C 201-225, 227-227, 229-237, 239-299, 426-499, 503-549, 551-599, R 701-749,

- B. If the test gives the maintenance message VHF2 (1RC2):- do a check of the circuit breaker (2RC2) status.
 - do a check of the chicult breaker (2RG2) State
 - (1) If the circuit breaker is closed:
 - do a check for 28DC at pin AC/2 of the VHF 2 transceiver (1RC2) (Ref. ASM 23-12/02).
 - (a) If there is 28DAC:
 - replace the XCVR-VHF, 2 (1RC2), (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (b) If there is no 28DAC:
 - do a check for a ground signal at pin AB/3D of the VHF 2 transceiver (1RC2) (Ref. ASM 23-12/02).
 - 1 If there is no ground signal:
 - repair the wiring between the VHF 2 transceiver pin AB/3D and the ground terminal (Ref. ASM 23-12/02).
 - 2 If there is a ground signal:
 - do a check of the wiring between the VHF 2 transceiver pin AC/2 and the circuit breaker 2RC2 (Ref. ASM 23-12/02).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker 2RC2.
 - (2) If the circuit breaker is open: - close it.
 - (a) If it opens again:
 - replace the VHF 2 transceiver (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - 1 If the fault continues:
 - do a check for a short-to-ground at the wiring between the VHF 2 transceiver pin AC/2 and the circuit breaker 2RC2 (Ref. ASM 23-12/02).
 - <u>a</u> If there is a short-to-ground:repair the related wiring
 - <u>b</u> If there is no short-to-ground:replace the C/B-COM NAV/VHF/2 (2RC2).

EFF: 201-225, 227-227, 229-237, 239-299, 426-499, 503-549, 551-599, 701-749,

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(b) If the circuit breaker stays closed and the fault continues: - replace the VHF 2 transceiver (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).

**ON A/C 238-238,

- B. If the test gives the maintenance message VHF2 TRANSCEIVER:
 - do a check of the circuit breaker (2RC2) status.
 - (1) If the circuit breaker is closed:
 - do a check for 28DC at pin AC/2 of the VHF 2 transceiver (1RC2)
 (Ref. ASM 23-12/02).
 - (a) If there is 28DC:
 - replace the XCVR-VHF, 2 (1RC2), (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (b) If there is no 28DC:
 - do a check for a ground signal at pin AB/3D of the VHF 2 transceiver (1RC2) (Ref. ASM 23-12/02).
 - 1 If there is no ground signal:
 - repair the wiring between the VHF 2 transceiver pin AB/3D and the ground terminal (Ref. ASM 23-12/02).
 - 2 If there is a ground signal:
 - do a check of the wiring between the VHF 2 transceiver pin AC/2 and the circuit breaker 2RC2 (Ref. ASM 23-12/02).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker 2RC2.
 - (2) If the circuit breaker is open:
 - close it.
 - (a) If it opens again:
 - replace the VHF 2 transceiver (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - 1 If the fault continues:
 - do a check for a short-to-ground at the wiring between the VHF 2 transceiver pin AC/2 and the circuit breaker 2RC2 (Ref. ASM 23-12/02).
 - <u>a</u> If there is a short-to-ground:repair the related wiring

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R	b If there is no short-to-ground:
R	- replace the C/B-COM NAV/VHF/2 (2RC2).
R	(b) If the circuit breaker stays closed and the fault continues:
R	- replace the VHF 2 transceiver (Ref. AMM TASK 23-12-33-000-001)
R	and (Ref. AMM TASK 23-12-33-400-001).

**ON A/C ALL

C. Do the test given in Para. 3.

EFF: ALL
SROS

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

TASK 23-12-00-810-803

Failure of the VHF 3 Transceiver

- 1. Possible Causes
 - XCVR-VHF, 3 (1RC3)
 - wiring
 - C/B-COM NAV/VHF/3 (2RC3)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-12-00-740-001	BITE Test of the VHF System
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>
ASM	23-12/03	

- 3. Fault Confirmation
 - A. Test
 Do the BITE test of the VHF system (Ref. AMM TASK 23-12-00-740-001).
- 4. Fault Isolation
 - A. Table of the circuit breakers used in this procedure:

NOTE: Do this test for the VHF 3 only.

PANEL	DESIGNATION	IDENT.	LOCATION
121VU	COM NAV/VHF/3	2RC3	L05

EFF: 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,

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- R **ON A/C 201-225, 227-227, 229-237, 239-286, 429-478, 481-499, 554-599,
 - B. If the test gives the maintenance message VHF3 (1RC3):do a check of the circuit breaker (2RC3) status.
 - (1) If the circuit breaker is closed:
 - do a check for 28DC at pin AC/2 of the VHF 3 transceiver (1RC3)
 (Ref. ASM 23-12/03).
 - (a) If there is 28DC:
 - replace the XCVR-VHF, 3 (1RC3), (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (b) If there is no 28DC:
 - do a check for a ground signal at pin AB/3D of the VHF 3 transceiver (1RC3) (Ref. ASM 23-12/03).
 - 1 If there is no ground signal:
 - repair the wiring between the VHF 3 transceiver pin AB/3D and the ground terminal (Ref. ASM 23-12/03).
 - 2 If there is a ground signal:
 - do a check of the wiring between the VHF 3 transceiver pin AC/2 and the circuit breaker 2RC3 (Ref. ASM 23-12/03).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker 2RC3.
 - (2) If the circuit breaker is open: - close it.
 - (a) If it opens again:
 - replace the VHF 3 transceiver (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - 1 If the fault continues:
 - do a check for a short-to-ground at the wiring between the VHF 3 transceiver pin AC/2 and the circuit breaker 2RC3 (Ref. ASM 23-12/03).
 - <u>a</u> If there is a short-to-ground:repair the related wiring
 - <u>b</u> If there is no short-to-ground:replace the C/B-COM NAV/VHF/3 (2RC3).

EFF: 201-225, 227-227, 229-237, 239-286, 429-478, 481-499, 554-599,

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(b) If the circuit breaker stays closed and the fault continues: - replace the VHF 3 transceiver (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).

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

- B. If the test gives the maintenance message VHF3 TRANSCEIVER:
 - do a check of the circuit breaker (2RC3) status.
 - (1) If the circuit breaker is closed:
 - do a check for 28DC at pin AC/2 of the VHF 3 transceiver (1RC3)
 (Ref. ASM 23-12/03).
 - (a) If there is 28DC:
 - replace the XCVR-VHF, 3 (1RC3), (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (b) If there is no 28DC:
 - do a check for a ground signal at pin AB/3D of the VHF 3 transceiver (1RC3) (Ref. ASM 23-12/03).
 - 1 If there is no ground signal:
 - repair the wiring between the VHF 3 transceiver pin AB/3D and the ground terminal (Ref. ASM 23-12/03).
 - 2 If there is a ground signal:
 - do a check of the wiring between the VHF 3 transceiver pin AC/2 and the circuit breaker 2RC3 (Ref. ASM 23-12/03).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker 2RC3.
 - (2) If the circuit breaker is open:
 - close it.
 - (a) If it opens again:
 - replace the VHF 3 transceiver (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - 1 If the fault continues:
 - do a check for a short-to-ground at the wiring between the VHF 3 transceiver pin AC/2 and the circuit breaker 2RC3 (Ref. ASM 23-12/03).
 - <u>a</u> If there is a short-to-ground:repair the related wiring

EFF: 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,

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- (b) If the circuit breaker stays closed and the fault continues:
 replace the VHF 3 transceiver (Ref. AMM TASK 23-12-33-000-001)
 and (Ref. AMM TASK 23-12-33-400-001).
- R **ON A/C 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,
 - C. Do the test given in para. 3.

EFF: 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,

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**ON A/C ALL

TASK 23-12-00-810-804

Loss of the VHF 1 COMMUNICATION

- 1. Possible Causes
 - XCVR-VHF, 1 (1RC1)
 - ANTENNA-VHF, 1 (4RC1)
 - coaxial from the VHF 1transceiver (1RC1) to the VHF 1 antenna (4RC1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

R ESPM 204432

AMM 23-12-00-740-001 BITE Test of the VHF System

AMM 23-12-11-000-001 Removal of the VHF Antennas (4RC1) and (4RC2)

AMM 23-12-11-400-001 Installation of the VHF Antennas (4RC1) and (4RC2)

AMM 23-12-33-000-001 Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3)

AMM 23-12-33-400-001 Installation of the VHF Transceiver (1RC1, 1RC2, 1RC3)

ASM 23-12/01

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

NOTE: Do this test for the VHF 1 only.

- 4. Fault Isolation
- **ON A/C 238-238,
 - A. If the test gives the maintenance message CHECK VHF1 ANTENNA CIRCUIT:
 - 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 ANTENNA-VHF, 1 (4RC1), (Ref. AMM TASK 23-12-11-000-001) and (Ref. AMM TASK 23-12-11-400-001).

EFF: ALL 23-12-00

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- (2) If the fault continues:
 - do a check and repair the coaxial from the VHF 1transceiver (1RC1) to the VHF 1 antenna (4RC1) (Ref. ASM 23-12/01) and (Ref. ESPM 204432).
- R **ON A/C 247-249, 287-299, 429-431, 503-549, 551-557,
- R Post SB 23-1159 For A/C 503-549,551-553,
 - A. If the test gives the maintenance message VHF1 ANTENNA (4RC1)/COAX:
 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 ANTENNA-VHF, 1 (4RC1), (Ref. AMM TASK 23-12-11-000-001) and (Ref. AMM TASK 23-12-11-400-001).
 - (2) If the fault continues:
 - do a check and repair the coaxial from the VHF 1transceiver (1RC1) to the VHF 1 antenna (4RC1) (Ref. ASM 23-12/01) and (Ref. ESPM 204432).

**ON A/C ALL

B. Do the test given in Para. 3.

EFF: ALL 23-12-00

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TASK 23-12-00-810-805

Loss of the VHF 2 Communication

- 1. Possible Causes
 - XCVR-VHF, 2 (1RC2)
 - ANTENNA-VHF, 2 (4RC2)
 - coaxial from the VHF 2 transceiver (1RC1) to the VHF 2 antenna (4RC2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
ESPM 204416W01	
AMM 23-12-00-740-001	BITE Test of the VHF System
AMM 23-12-11-000-001	Removal of the VHF Antennas (4RC1) and (4RC2)
AMM 23-12-11-400-001	Installation of the VHF Antennas (4RC1) and (4RC2)
AMM 23-12-33-000-001	Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3)
AMM 23-12-33-400-001	Installation of the VHF Transceiver (1RC1, 1RC2,
= 20 .00 .00 .	1RC3)
ASM 23-12/02	

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

NOTE: Do this test for the VHF 2 only.

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-237, 239-249, 276-299, 426-431, 476-480, R 503-549, 551-557, 701-749,
 - A. If the test gives the maintenance message VHF2 ANTENNA (4RC2)/COAX:
 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 ANTENNA-VHF, 2 (4RC2), (Ref. AMM TASK 23-12-11-000-001) and (Ref. AMM TASK 23-12-11-400-001).
 - (2) If the fault continues:
 - do a check and repair the coaxial from the VHF 2 transceiver (1RC1) to the VHF 2 antenna (4RC2) (Ref. ASM 23-12/02) and (Ref. ESPM 204416W01).

EFF: ALL

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**ON A/C 238-238,

- A. If the test gives the maintenance message CHECK VHF2 ANTENNA CIRCUIT:
 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 ANTENNA-VHF, 2 (4RC2), (Ref. AMM TASK 23-12-11-000-001) and (Ref. AMM TASK 23-12-11-400-001).
 - (2) If the fault continues:
 - do a check and repair the coaxial from the VHF 2 transceiver (1RC1) to the VHF 2 antenna (4RC2) (Ref. ASM 23-12/02) and (Ref. ESPM 204416W01).

**ON A/C ALL

B. Do the test given in Para. 3.

EFF: ALL

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TASK 23-12-00-810-806

Loss of the VHF 3 COMMUNICATION

- 1. Possible Causes
 - XCVR-VHF, 3 (1RC3)
 - ANTENNA-VHF, 3 (4RC3)
 - coaxial from the VHF 3 transceiver (1RC3) to the VHF 3 antenna (4RC3)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
	204416W01		
AMM	23-12-00-740-001	BITE Test of the VHF System	
AMM	23-12-11-000-001	Removal of the VHF Antennas (4RC1) and (4RC2)	
AMM	23-12-11-400-001	Installation of the VHF Antennas (4RC1) and (4RC2)	
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>	
ASM	23-12/03		

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,
 - A. Test
 - (1) Do the BITE test of the VHF system (Ref. AMM TASK 23-12-00-740-001).
 NOTE: Do this test for the VHF 3 only.

EFF: ALL
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**ON A/C ALL

4. Fault Isolation

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

- A. If the test gives the maintenance message CHECK VHF3 ANTENNA CIRCUIT:
 - 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 ANTENNA-VHF, 3 (4RC3), (Ref. AMM TASK 23-12-11-000-001) and (Ref. AMM TASK 23-12-11-400-001).
 - (2) If the fault continues:
 - do a check and repair the coaxial from the VHF 3 transceiver (1RC3) to the VHF 3 antenna (4RC3) (Ref. ASM 23-12/03) and (Ref. ESPM 204416W01).

**ON A/C 247-275, 287-299, 429-475, 481-499, 554-599,

- A. If the test gives the maintenance message VHF3 ANTENNA (4RC3)/COAX:
 replace the XCVR-VHF, 3 (1RC3), (Ref. AMM TASK 23-12-33-000-001) and
 - replace the ACVR-VHF, 3 (IRCS), (Rel. AMM TASK 23-12-33-00 (Ref. AMM TASK 23-12-33-400-001).
 - (1) If the fault continues:
 - replace the ANTENNA-VHF, 3 (4RC3), (Ref. AMM TASK 23-12-11-000-001) and (Ref. AMM TASK 23-12-11-400-001).
 - (2) If the fault continues:
 - do a check and repair the coaxial from the VHF 3 transceiver (1RC3) to the VHF 3 antenna (4RC3) (Ref. ASM 23-12/03) and (Ref. ESPM 204416W01).
- R **ON A/C 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,
 - B. Do the test given in Para. 3.

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EFF: ALL

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**ON A/C ALL

TASK 23-12-00-810-810

Continuous Transmission of the VHF 1 Transceiver for more than 60 s

1. Possible Causes

- XCVR-VHF, 1 (1RC1)
- AMU (1RN)
- ACP-CAPT (2RN1)
- ACP-F/O (2RN2)
- ACP-3RD OCCPNT (2RN3)
- ACP-AVNCS COMPT (2RN4)
- wiring
- SW-RAD PTT, CAPT (11RN)
- RCPT-HAND MIC, CAPT (19RN1)
- SW-RAD PTT, F/O (12RN)
- RCPT-HAND MIC, F/O (19RN2)
- RCPT-HAND MIC, F/O (19RN3)
- RCPT-HAND MIC, AVNCS COMPT (19RN4)

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
IPC	235108	
AMM	23-12-00-710-001	Operational Test of the VHF System
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	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
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	27-92-41-000-001	Removal of the Side Stick Assembly 19VU (18VU)
AMM	27-92-41-400-001	Installation of the Side Stick Assembly 19VU (18VU)
ASM	23-12/01	·
ASM	23-51/02	
ASM	23-51/03	
ASM	23-51/04	
ASM	23-51/05	
ASM	23-51/06	

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3. Fault Confirmation

A. Test

Do the operationnal test of the VHF system (Ref. AMM TASK 23-12-00-710-001).

 $\underline{\underline{\text{NOTE}}}$: Do the transmission test for more than 60 s to see the ECAM warning on the upper ECAM DU. (The COM VHF 1 EMITTING message comes into view after 60 s of

continuous transmission).

NOTE : Do this test at each crew station to find which station is related with the failure.

NOTE: Do this test for the VHF 1 system only.

NOTE: At the end of the test (before you do the fault isolation procedure), make sure that these controls are not in the transmit position:

- the VHF 1 transmission pushbutton switch on an Audio Control
 Panel
- a radio PTT switch on one of the two side sticks
- a radio PTT pushbutton switch
- a hand mike selector.

4. Fault Isolation

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

R -----R PANEL DESIGNATION IDENT. LOCATION
R -----R 49VU COM/VHF/1 2RC1 G09

- R B. After 60 s, when the VHF 1 transmission stops, this ECAM warning does not go out of view:
 - COM VHF 1 EMITTING.
 - (1) If the above warning does not go out of view after action on the VHF 1 transmission pushbutton switch (green bars off) (on the ACP of the related station):
 - go to Para. 4.B.
 - (2) If the above warning goes out of view after action on the VHF 1 transmission pushbutton switch (green bars off) (on the ACP of the related station):
 - go to Para. 4.C.

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- C. Open the circuit breaker 2RC1 on the panel 49VU, then close it.
 - (1) If the fault continues:
 - do a check for ground at the pin AB/1D of the VHF 1 transceiver (1RC1) (Ref. ASM 23-12/01).
 - (a) If there is no ground signal at this pin:
 - do a check and repair the wiring from VHF 1 transceiver (1RC1) pin AB/1D to the first terminal block (Ref. ASM 23-12/01)
 - (b) If there is a ground signal at this pin:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pin AA/1F and VHF 1 transceiver (1RC1) pin AB/1C (Ref. ASM 23-51/06)
 - go to Para. 4.D.
- R **ON A/C 201-225, 227-227, 229-250, 252-299, 426-499, 503-549, 551-599, R 701-749,
 - D. The fault is at one of the 3 crew stations.
 - (1) If the fault is at the Captain station:
 - do a check of continuity between pin AA/9J and pin AA/9K of the AMU (1RN) (Ref. ASM 23-51/02).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, CAPT (11RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/9J, 9K and pins 1, 2 of the radio PTT switch (11RN) (Ref. ASM 23-51/02).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).

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- 2 If the fault continues:
 - connect a new hand microphone to the Captain hand microphone receptacle (19RN1) on the panel 17VU.
- 3 If the fault continues:
 - replace the RCPT-HAND MIC, CAPT (19RN1) (Ref. IPC 235108).
- 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/10F, 10G and pins 1 and 2 of the Captain hand microphone receptacle (19RN1)) (Ref. ASM 23-51/02).
- (2) If the fault is at the First Officer station:
 - do a check of continuity between pin AA/12J and pin AA/12K of the AMU (1RN) (Ref. ASM 23-51/03).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, F/O (12RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/12J, 12K and pins 1, 2 of the radio PTT switch (12RN) (Ref. ASM 23-51/03).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - 2 If the fault continues:
 - connect a new hand microphone to the First Officer hand microphone receptacle (19RN2) on the panel 16VU.
 - 3 If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN2) (Ref. IPC 235108).
 - 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/13F, 13G and pins 1 and 2 of the First Officer hand microphone receptacle (19RN2)) (Ref. ASM 23-51/03).

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- (3) If the fault is at the Third Occupant station:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - replace the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (b) If the fault continues:
 - connect a new hand microphone to the Third Occupant hand microphone receptacle (19RN3) on the panel 62VU.
 - (c) If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN3) (Ref. IPC 235108).
 - (d) If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/1F, 1G and pins 1 and 2 of the Third Occupant hand microphone receptacle (19RN3)) (Ref. ASM 23-51/04).

**ON A/C 251-251,

- D. The fault is at one of the 3 crew stations or at the avionics compartment station.
 - (1) If the fault is at the Captain station:
 - do a check of continuity between pin AA/9J and pin AA/9K of the AMU (1RN) (Ref. ASM 23-51/02).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, CAPT (11RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/9J, 9K and pins 1, 2 of the radio PTT switch (11RN) (Ref. ASM 23-51/02).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).

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- 2 If the fault continues:
 - connect a new hand microphone to the Captain hand microphone receptacle (19RN1) on the panel 17VU.
- $\underline{3}$ If the fault continues:
 - replace the RCPT-HAND MIC, CAPT (19RN1) (Ref. IPC 235108).
- 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/10F, 10G and pins 1 and 2 of the Captain hand microphone receptacle (19RN1)) (Ref. ASM 23-51/02).
- (2) If the fault is at the First Officer station:
 - do a check of continuity between pin AA/12J and pin AA/12K of the AMU (1RN) (Ref. ASM 23-51/03).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, F/O (12RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/12J, 12K and pins 1, 2 of the radio PTT switch (12RN) (Ref. ASM 23-51/03).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - 2 If the fault continues:
 - connect a new hand microphone to the First Officer hand microphone receptacle (19RN2) on the panel 16VU.
 - 3 If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN2) (Ref. IPC 235108).
 - 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/13F, 13G and pins 1 and 2 of the First Officer hand microphone receptacle (19RN2)) (Ref. ASM 23-51/03).

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R R	(3) If the fault is at the Third Occupant station: - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK
R	23-51-34-400-001).
R R R	(a) If the fault continues:replace the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001)001) and (Ref. AMM TASK 23-51-12-400-001)
R R R	(b) If the fault continues:connect a new hand microphone to the Third Occupant hand microphone receptacle (19RN3) on the panel 62VU.
R R	(c) If the fault continues:replace the RCPT-HAND MIC, F/O (19RN3) (Ref. IPC 235108).
R R R	 (d) If the fault continues: do a check and repair the wiring (between AMU (1RN) pins AA/1F, 1G and pins 1 and 2 of the Third Occupant hand microphone receptacle (19RN3)) (Ref. ASM 23-51/04).
R R R	(4) If the fault is at the avionics compartment station: - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
R R R	(a) If the fault continues:replace the ACP-AVNCS COMPT (2RN4) (Ref. AMM TASK 23-51-12-000-001)001) and (Ref. AMM TASK 23-51-12-400-001).
R R R	(b) If the fault continues:connect a new hand microphone to the HAND MIC receptacle(19RN4) on the panel 63VU in the avionics compartment.
R R R	(c) If the fault continues:replace the RCPT-HAND MIC, AVNCS COMPT (19RN4) (Ref. IPC 235108).
R R R	 (d) If the fault continues: do a check and repair the wiring (between AMU (1RN) pins AB/4F, 4G and pins 1 and 2 of the avionics compartment HAND MIC receptacle (19RN4)) (Ref. ASM 23-51/05).
R	**ON A/C ALL

E. Do the test given in Para. 3.

EFF: ALL SROS

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TROUBLE SHOOTING MANUAL

TASK 23-12-00-810-811

Continuous Transmission of the VHF 2 Transceiver for more than 60 s

1. Possible Causes

- XCVR-VHF, 2 (1RC2)
- AMU (1RN)
- ACP-CAPT (2RN1)
- ACP-F/O (2RN2)
- ACP-3RD OCCPNT (2RN3)
- ACP-AVNCS COMPT (2RN4)
- wiring
- SW-RAD PTT, CAPT (11RN)
- RCPT-HAND MIC, CAPT (19RN1)
- SW-RAD PTT, F/O (12RN)
- RCPT-HAND MIC, F/O (19RN2)
- RCPT-HAND MIC, F/O (19RN3)
- RCPT-HAND MIC, AVNCS COMPT (19RN4)

2. Job Set-up Information

A. Referenced Information

REFERENCE		RENCE DESIGNATION
IPC	235108	
AMM	23-12-00-710-001	Operational Test of the VHF System
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	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
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	27-92-41-000-001	Removal of the Side Stick Assembly 19VU (18VU)
AMM	27-92-41-400-001	Installation of the Side Stick Assembly 19VU (18VU)
ASM	23-12/02	·
ASM	23-51/02	
ASM	23-51/03	
ASM	23-51/04	
ASM	23-51/05	
ASM	23-51/06	

EFF: ALL

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SROS

R R

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3. Fault Confirmation

A. Test

Do the operational test of the VHF system (Ref. AMM TASK 23-12-00-710-001).

NOTE : Do the transmission test for more than 60 s to see the ECAM warning on the upper ECAM DU.

(The COM VHF 2 EMITTING message is displayed after 60 s of continuous transmission).

NOTE : Do this test at each crew station to find which station is related with the failure.

NOTE: Do this test for the VHF 2 system only.

<u>NOTE</u>: At the end of the test (before you do the fault isolation procedure), make sure that these controls are not in the transmit position:

- the VHF 2 transmission pushbutton switch on an Audio Control Panel
- a radio PTT switch on one of the two side sticks
- a radio PTT pushbutton switch
- a hand mike selector.

4. Fault Isolation

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

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/VHF/2

2RC2 L04

- B. After 60 s, when the VHF 2 transmission stops, this ECAM warning does not go out of view:
 - COM VHF 2 EMITTING.
 - (1) If the above warning does not go out of view after action on the VHF 2 transmission pushbutton switch (green bars off) (on the ACP of the related station):
 - go to Para. 4.D.
 - (2) If the above warning goes out of view after action on the VHF 2 transmission pushbutton switch (green bars off) (on the ACP of the related station):
 - go to Para. 4.C.

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- C. Open the circuit breaker 2RC2 on the panel 121VU, then close it.
 - (1) If the fault continues:
 - do a check for ground at the pin AB/1D of the VHF 2 transceiver (1RC2) (Ref. ASM 23-12/02).
 - (a) If there is no ground signal at this pin:
 - do a check and repair the wiring from VHF 2 transceiver (1RC2) pin AB/1D to the first terminal block (Ref. ASM 23-12/02)
 - (b) If there is a ground signal at this pin:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pin AA/2F and VHF 2 transceiver (1RC2) pin AB/1C (Ref. ASM 23-51/06)
 - go to Para. 4.D.
- R **ON A/C 201-225, 227-227, 229-250, 252-299, 426-499, 503-549, 551-599, R 701-749,
 - D. The fault is at one of the 3 crew stations.
 - (1) If the fault is at the Captain station:
 - do a check of continuity between pin AA/9J and pin AA/9K of the AMU (1RN) (Ref. ASM 23-51/02).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, CAPT (11RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/9J, 9K and pins 1, 2 of the radio PTT switch (11RN) (Ref. ASM 23-51/02).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).

EFF: ALL

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- 2 If the fault continues:
 - connect a new hand microphone to the Captain hand microphone receptacle (19RN1) on the panel 17VU.
- <u>3</u> If the fault continues:
 - replace the RCPT-HAND MIC, CAPT (19RN1) (Ref. IPC 235108).
- 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/10F, 10G and pins 1 and 2 of the Captain hand microphone receptacle (19RN1)) (Ref. ASM 23-51/02).
- (2) If the fault is at the First Officer station:
 - do a check of continuity between pin AA/12J and pin AA/12K of the AMU (1RN) (Ref. ASM 23-51/03).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, F/O (12RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/12J, 12K and pins 1, 2 of the radio PTT switch (12RN) (Ref. ASM 23-51/03).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - 2 If the fault continues:
 - connect a new hand microphone to the First Officer hand microphone receptacle (19RN2) on the panel 16VU.
 - 3 If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN2) (Ref. IPC 235108).
 - 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/13F, 13G and pins 1 and 2 of the First Officer hand microphone receptacle (19RN2)) (Ref. ASM 23-51/03).

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- (3) If the fault is at the Third Occupant station:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - replace the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (b) If the fault continues:
 - connect a new hand microphone to the Third Occupant hand microphone receptacle (19RN3) on the panel 62VU.
 - (c) If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN3) (Ref. IPC 235108).
 - (d) If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/1F, 1G and pins 1 and 2 of the Third Occupant hand microphone receptacle (19RN3)) (Ref. ASM 23-51/04).

**ON A/C 251-251,

- D. The fault is at one of the 3 crew stations or at the avionics compartment station.
 - (1) If the fault is at the Captain station:
 - do a check of continuity between pin AA/9J and pin AA/9K of the AMU (1RN) (Ref. ASM 23-51/02).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, CAPT (11RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/9J, 9K and pins 1, 2 of the radio PTT switch (11RN) (Ref. ASM 23-51/02).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).

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- 2 If the fault continues:
 - connect a new hand microphone to the Captain hand microphone receptacle (19RN1) on the panel 17VU.
- $\underline{3}$ If the fault continues:
 - replace the RCPT-HAND MIC, CAPT (19RN1) (Ref. IPC 235108).
- 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/10F, 10G and pins 1 and 2 of the Captain hand microphone receptacle (19RN1)) (Ref. ASM 23-51/02).
- (2) If the fault is at the First Officer station:
 - do a check of continuity between pin AA/12J and pin AA/12K of the AMU (1RN) (Ref. ASM 23-51/03).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, F/O (12RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/12J, 12K and pins 1, 2 of the radio PTT switch (12RN) (Ref. ASM 23-51/03).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - 2 If the fault continues:
 - connect a new hand microphone to the First Officer hand microphone receptacle (19RN2) on the panel 16VU.
 - 3 If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN2) (Ref. IPC 235108).
 - 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/13F, 13G and pins 1 and 2 of the First Officer hand microphone receptacle (19RN2)) (Ref. ASM 23-51/03).

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R R R	(3) If the fault is at the Third Occupant station: - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
R R R	(a) If the fault continues:replace the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001)
R R R	(b) If the fault continues:connect a new hand microphone to the Third Occupant hand microphone receptacle (19RN3) on the panel 62VU.
R R	(c) If the fault continues:replace the RCPT-HAND MIC, F/O (19RN3) (Ref. IPC 235108).
R R R	(d) If the fault continues:do a check and repair the wiring (between AMU (1RN) pins AA/1F, 1G and pins 1 and 2 of the Third Occupant hand microphone receptacle (19RN3)) (Ref. ASM 23-51/04).
R R R	(4) If the fault is at the avionics compartment station: - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
R R R	(a) If the fault continues:replace the ACP-AVNCS COMPT (2RN4) (Ref. AMM TASK 23-51-12-000-001)
R R R	(b) If the fault continues:connect a new hand microphone to the HAND MIC receptacle(19RN4) on the panel 63VU in the avionics compartment.
R R R	(c) If the fault continues:replace the RCPT-HAND MIC, AVNCS COMPT (19RN4) (Ref. IPC 235108).
R R R	 (d) If the fault continues: do a check and repair the wiring (between AMU (1RN) pins AB/4F, 4G and pins 1 and 2 of the avionics compartment HAND MIC receptacle (19RN4)) (Ref. ASM 23-51/05).
R	**ON A/C ALL

E. Do the test given in Para. 3.

EFF : ALL SROS

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

TASK 23-12-00-810-812

Continuous Transmission of the VHF 3 Transceiver for more than 60 s

1. Possible Causes

- MU-ACARS (1RB)
- XCVR-VHF, 3 (1RC3)
- AMU (1RN)
- SDAC-1 (1WV1)
- SDAC-2 (1WV2)
- ACP-CAPT (2RN1)
- ACP-F/O (2RN2)
- ACP-3RD OCCPNT (2RN3)
- ACP-AVNCS COMPT (2RN4)
- wiring
- SW-RAD PTT, CAPT (11RN)
- RCPT-HAND MIC, CAPT (19RN1)
- SW-RAD PTT, F/O (12RN)
- RCPT-HAND MIC, F/O (19RN2)
- RCPT-HAND MIC, F/O (19RN3)
- RCPT-HAND MIC, AVNCS COMPT (19RN4)

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
IPC	235108	
AMM	23-12-00-710-001	Operational Test of the VHF System
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	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	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
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	27-92-41-000-001	Removal of the Side Stick Assembly 19VU (18VU)
AMM	27-92-41-400-001	Installation of the Side Stick Assembly 19VU (18VU)
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	23-12/03	

EFF: 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,

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_____ **DESIGNATION**

ASM 23-51/02

ASM 23-51/03

ASM 23-51/04

ASM 23-51/05

ASM 23-51/06

3. Fault Confirmation

A. Test

Do the operational test of the VHF system (Ref. AMM TASK 23-12-00-710-001).

 ${\underline{\mathtt{NOTE}}}$: Do the transmission test for more than 60 s to see the ECAM

warning on the upper ECAM DU.

(The COM VHF 3 EMITTING message comes into view after 60 s of

continuous transmission).

NOTE: Do this test at each crew station to find which station is related

with the failure.

NOTE: Do this test for the VHF 3 system only.

NOTE: At the end of the test (before you do the fault isolation

procedure), make sure that these controls are not in the transmit

position:

- the VHF 3 transmission pushbutton switch on an Audio Control

- a radio PTT switch on one of the two side sticks

- a radio PTT pushbutton switch

- a hand mike selector.

4. Fault Isolation

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

PANEL DESIGNATION

IDENT. LOCATION

121VU COM NAV/VHF/3

2RC3 L05

- B. After 60 s, when the VHF 3 transmission stops, this ECAM warning does not go out of view:
 - COM VHF 3 EMITTING.
 - (1) If the above warning does not go out of view after action on the VHF 3 transmission pushbutton switch (green bars off) (on the ACP of the related station):
 - go to Para. 4.B.

201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,

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- (2) If the above warning goes out of view after action on the VHF 3 transmission pushbutton switch (green bars off) (on the ACP of the related station):
 - go to Para. 4.C.
- R **ON A/C 201-225, 227-227, 229-245, 276-286, 426-428, 476-480,
 - C. Open the circuit breaker 2RC3 on the panel 121VU, then close it.
 - (1) If the fault continues:
 - do a check for ground at pin AB/1D of the VHF 3 transceiver (1RC3)
 (Ref. ASM 23-12/03).
 - (a) If there is no ground signal at this pin:
 - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - 1 If the fault continues:
 - do a check and repair the related wiring
 from ACARS management unit (1RB) pin AA/14K to the first terminal block
 - from VHF 3 transceiver (1RC3) pin AB/1D to the first terminal block (Ref. ASM 23-12/03).
 - (b) If there is a ground signal at this pin:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - 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).
 - 4 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).
 - 5 If the fault continues:
 - do a check and repair the related wiring .between ACARS management unit (1RB) pin AA/5H and VHF 3 transceiver (1RC3) pin AB/7D (Ref. ASM 23-12/03) .between AMU (1RN) pin AA/3F and VHF 3 transceiver (1RC3) pin AB/1C (Ref. ASM 23-51/06)
 - go to Para. 4.D.

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**ON A/C 247-275, 429-475, 481-499,

- C. Open the circuit breaker 2RC3 on the panel 121VU, then close it.
 - (1) If the fault continues:
 - do a check for ground at the pin AB/1D of the VHF 3 transceiver (1RC3) (Ref. ASM 23-12/03).
 - (a) If there is no ground signal at this pin:
 - do a check and repair the wiring from VHF 3 transceiver (1RC3) pin AB/1D to the first terminal block (Ref. ASM 23-12/03).
 - (b) If there is a ground signal at this pin:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 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).
 - 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).
 - 4 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pin AA/3F and VHF 3 transceiver (1RC3) pin AB/1C (Ref. ASM 23-51/06)
 - go to Para. 4.D.
- R **ON A/C 503-549, 551-557, 701-749,
 - C. Open the circuit breaker 2RC3 on the panel 121VU, then close it.
 - (1) If the fault continues:
 - do a check for ground at pin AB/1D of the VHF 3 transceiver (1RC3) (Ref. ASM 23-12/03).
 - (a) If there is no ground signal at this pin:
 - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - 1 If the fault continues:
 - do a check and repair the related wiring
 from ACARS management unit (1RB) pin AA/14K to the first terminal block

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_from VHF 3 transceiver (1RC3) pin AB/1D to the first terminal block (Ref. ASM 23-12/03).

- (b) If there is a ground signal at this pin:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - 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).
 - 4 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).
 - 5 If the fault continues:
 - do a check and repair the related wiring .between ACARS management unit (1RB) pin AA/5H and VHF 3 transceiver (1RC3) pin AB/7D (Ref. ASM 23-12/03) .between AMU (1RN) pin AA/13B and VHF 3 transceiver (1RC3) pin AB/1C (Ref. ASM 23-51/06)
 - go to Para. 4.D.
- R **ON A/C 559-599,
 - C. Open the circuit breaker 2RC3 on the panel 121VU, then close it.
 - (1) If the fault continues:
 - do a check for ground at the pin AB/1D of the VHF 3 transceiver (1RC3) (Ref. ASM 23-12/03).
 - (a) If there is no ground signal at this pin:
 - do a check and repair the wiring from VHF 3 transceiver (1RC3) pin AB/1D to the first terminal block (Ref. ASM 23-12/03).
 - (b) If there is a ground signal at this pin:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).

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- 2 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).
- 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).
- 4 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pin AA/13B and VHF 3 transceiver (1RC3) pin AB/1C (Ref. ASM 23-51/06)
 - go to Para. 4.D.

R **ON A/C 201-225, 227-227, 229-250, 252-286, 426-499, 503-549, 551-599, R 701-749,

- D. The fault is at one of the 3 crew stations.
 - (1) If the fault is at the Captain station:
 - do a check of continuity between pin AA/9J and pin AA/9K of the AMU (1RN) (Ref. ASM 23-51/02).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, CAPT (11RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/9J, 9K and pins 1, 2 of the radio PTT switch (11RN) (Ref. ASM 23-51/02).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - 2 If the fault continues:
 - connect a new hand microphone to the Captain hand microphone receptacle (19RN1) on the panel 17VU.
 - 3 If the fault continues:
 - replace the RCPT-HAND MIC, CAPT (19RN1) (Ref. IPC 235108).

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- 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/10F, 10G and pins 1 and 2 of the Captain hand microphone receptacle (19RN1)) (Ref. ASM 23-51/02).
- (2) If the fault is at the First Officer station:
 - do a check of continuity between pin AA/12J and pin AA/12K of the AMU (1RN) (Ref. ASM 23-51/03).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, F/O (12RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/12J, 12K and pins 1, 2 of the radio PTT switch (12RN) (Ref. ASM 23-51/03).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - 2 If the fault continues:
 - connect a new hand microphone to the First Officer hand microphone receptacle (19RN2) on the panel 16VU.
 - 3 If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN2) (Ref. IPC 235108).
 - 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/13F, 13G and pins 1 and 2 of the First Officer hand microphone receptacle (19RN2)) (Ref. ASM 23-51/03).
- (3) If the fault is at the Third Occupant station:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - replace the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).

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- (b) If the fault continues:
 - connect a new hand microphone to the Third Occupant hand microphone receptacle (19RN3) on the panel 62VU.
- (c) If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN3) (Ref. IPC 235108).
- (d) If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/1F, 1G and pins 1 and 2 of the Third Occupant hand microphone receptacle (19RN3)) (Ref. ASM 23-51/04).

**ON A/C 251-251,

- D. The fault is at one of the 3 crew stations or at the avionics compartment station.
 - (1) If the fault is at the Captain station:
 - do a check of continuity between pin AA/9J and pin AA/9K of the AMU (1RN) (Ref. ASM 23-51/02).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, CAPT (11RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/9J, 9K and pins 1, 2 of the radio PTT switch (11RN) (Ref. ASM 23-51/02).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - 2 If the fault continues:
 - connect a new hand microphone to the Captain hand microphone receptacle (19RN1) on the panel 17VU.
 - 3 If the fault continues:
 - replace the RCPT-HAND MIC, CAPT (19RN1) (Ref. IPC 235108).

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- 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/10F, 10G and pins 1 and 2 of the Captain hand microphone receptacle (19RN1)) (Ref. ASM 23-51/02).
- (2) If the fault is at the First Officer station:
 - do a check of continuity between pin AA/12J and pin AA/12K of the AMU (1RN) (Ref. ASM 23-51/03).
 - (a) If there is continuity between the two pins:
 - replace the SW-RAD PTT, F/O (12RN) (Ref. AMM TASK 27-92-41-000-001) and (Ref. AMM TASK 27-92-41-400-001).
 - 1 If the fault continues:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If the fault continues:
 - do a check and repair the wiring between AMU (1RN) pins AA/12J, 12K and pins 1, 2 of the radio PTT switch (12RN) (Ref. ASM 23-51/03).
 - (b) If there is no continuity between the two pins:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - replace the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - 2 If the fault continues:
 - connect a new hand microphone to the First Officer hand microphone receptacle (19RN2) on the panel 16VU.
 - 3 If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN2) (Ref. IPC 235108).
 - 4 If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/13F, 13G and pins 1 and 2 of the First Officer hand microphone receptacle (19RN2)) (Ref. ASM 23-51/03).
- (3) If the fault is at the Third Occupant station:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - replace the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).

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- (b) If the fault continues:
 - connect a new hand microphone to the Third Occupant hand microphone receptacle (19RN3) on the panel 62VU.
- (c) If the fault continues:
 - replace the RCPT-HAND MIC, F/O (19RN3) (Ref. IPC 235108).
- (d) If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AA/1F, 1G and pins 1 and 2 of the Third Occupant hand microphone receptacle (19RN3)) (Ref. ASM 23-51/04).
- (4) If the fault is at the avionics compartment station:
 - replace the AMU (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - replace the ACP-AVNCS COMPT (2RN4) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (b) If the fault continues:
 - connect a new hand microphone to the HAND MIC receptacle (19RN4) on the panel 63VU in the avionics compartment.
 - (c) If the fault continues:
 - replace the RCPT-HAND MIC, AVNCS COMPT (19RN4) (Ref. IPC 235108).
 - (d) If the fault continues:
 - do a check and repair the wiring (between AMU (1RN) pins AB/4F, 4G and pins 1 and 2 of the avionics compartment HAND MIC receptacle (19RN4)) (Ref. ASM 23-51/05).
- R **ON A/C 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,
 - E. Do the test given in Para. 3.

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**ON A/C ALL

TASK 23-12-00-810-813

Loss of the VHF 1 Transmission

- 1. Possible Causes
 - XCVR-VHF, 1 (1RC1)
 - AMU (1RN)
 - wiring from VHF 1 transceiver (1RC1) to AMU (1RN)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
	23-12-00-710-001 23-12-33-000-001 23-12-33-400-001	Operational Test of the VHF System Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3) Installation of the VHF Transceiver (1RC1, 1RC2, 1RC3)
AMM AMM ASM	23-51-34-000-001 23-51-34-400-001 23-51/06	Removal of the Audio Management Unit (AMU) (1RN) Installation of the Audio Management Unit (AMU) (1RN)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the VHF system (Ref. AMM TASK 23-12-00-710-001).

NOTE: Do this test for the VHF 1 system only.

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4. Fault Isolation

- A. If the transmission function is not possible during the operational test of the VHF 1 system:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from VHF 1 transceiver (1RC1) to AMU (1RN) of the MIKE INPUT signal, from pins AB/1A, 1B to pins AA/1E, 1D (Ref. ASM 23-51/06).
- B. Do the test given in Para. 3.

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SROS

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TASK 23-12-00-810-814

Loss of the VHF 1 Reception

- 1. Possible Causes
 - XCVR-VHF, 1 (1RC1)
 - AMU (1RN)
 - wiring from VHF 1 transceiver (1RC1) to AMU (1RN)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-12-00-710-001	Operational Test of the VHF System	
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	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)	
ASM	23-51/06		

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the VHF system (Ref. AMM TASK 23-12-00-710-001).

NOTE: Do this test for the VHF 1 system only.

- 4. Fault Isolation
 - A. If the reception function is not possible during the operational test of the VHF 1 system:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from VHF 1 transceiver (1RC1) to AMU (1RN) of the AUDIO SIDETONE OUTPUT signal, from pins AB/15A, 15B to pins AA/1A, 1B (Ref. ASM 23-51/06).
 - B. Do the test given in Para. 3.

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TASK 23-12-00-810-815

Loss of the VHF 2 Transmission

- 1. Possible Causes
 - XCVR-VHF, 2 (1RC2)
 - AMU (1RN)
 - wiring from VHF 2 transceiver(1RC2) to AMU (1RN)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-12-00-710-001	Operational Test of the VHF System	
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	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)	
ASM	23-51/06		

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the VHF system (Ref. AMM TASK 23-12-00-710-001).

NOTE: Do this test for the VHF 2 system only.

4. Fault Isolation

- A. If the transmission function is not possible during the operational test of the VHF 2 system:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from VHF 2 transceiver(1RC2) to AMU (1RN) of the MIKE INPUT signal, from pins AB/1A, 1B to pins AA/2D, 2E (Ref. ASM 23-51/06).
- B. Do the test given in Para. 3.

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TASK 23-12-00-810-816

Loss of the VHF 2 Reception

- 1. Possible Causes
 - XCVR-VHF, 2 (1RC2)
 - AMU (1RN)
 - wiring from VHF 2 transceiver (1RC2) to AMU (1RN)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-12-00-710-001	Operational Test of the VHF System	
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	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)	
ASM	23-51/06		

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the VHF system (Ref. AMM TASK 23-12-00-710-001).

NOTE: Do this test for the VHF 2 system only.

- 4. Fault Isolation
 - A. If the reception function is not possible during the operational test of the VHF 2 system:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from VHF 2 transceiver (1RC2) to AMU (1RN) of the AUDIO SIDETONE OUTPUT signal, from pins AB/15B, 15A to pins AA/2A, 2B (Ref. ASM 23-51/06).
 - B. Do the test given in Para. 3.

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

TASK 23-12-00-810-817

Loss of the VHF 3 Transmission

- 1. Possible Causes
 - XCVR-VHF, 3 (1RC3)
 - AMU (1RN)
 - wiring from VHF 3 transceiver (1RC3) to AMU (1RN)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM AMM AMM	23-12-00-710-001 23-12-33-000-001 23-12-33-400-001	Operational Test of the VHF System Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3) Installation of the VHF Transceiver (1RC1, 1RC2, 1RC3)	
AMM	23-51-34-000-001 23-51-34-400-001 23-51/06	Removal of the Audio Management Unit (AMU) (1RN) Installation of the Audio Management Unit (AMU) (1RN)	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the VHF system (Ref. AMM TASK 23-12-00-710-001).

NOTE: Do this test for the VHF 3 system only.

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-286, 426-499,
 - A. If the transmission function is not possible during the operational test of the VHF 3 system:
 - replace the XCVR-VHF, 3 (1RC3) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).

EFF: 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,

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- (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).
 - (a) If the fault continues:
 - do a check and repair the wiring from VHF 3 transceiver (1RC3) to AMU (1RN) of the MIKE INPUT signal, from pins AB/1A, 1B to pins AA/3E, 3D (Ref. ASM 23-51/06).

**ON A/C 503-549, 551-599, 701-749,

- A. If the transmission function is not possible during the operational test of the VHF 3 system:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from VHF 3 transceiver (1RC3) to AMU (1RN) of the MIKE INPUT signal, from pins AB/1A, 1B to pins AB/13A, 14A (Ref. ASM 23-51/06).
- R **ON A/C 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,
 - B. Do the test given in Para. 3.

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TASK 23-12-00-810-818

Loss of the VHF 3 Reception

- 1. Possible Causes
 - XCVR-VHF, 3 (1RC3)
 - AMU (1RN)
 - wiring from VHF 3 transceiver (1RC3) to AMU (1RN)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-12-00-710-001	Operational Test of the VHF System
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	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)
ASM	23-51/06	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the VHF system (Ref. AMM TASK 23-12-00-710-001).

NOTE: Do this test for the VHF 3 system only.

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-286, 426-499,
 - A. If the reception function is not possible during the operational test of the VHF 3 system:
 - replace the XCVR-VHF, 3 (1RC3) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).

| EFF : 201-225, 227-227, 229-286, 426-499, | 503-549, 551-599, 701-749,

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- (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).
 - (a) If the fault continues:
 - do a check and repair the wiring from VHF 3 transceiver (1RC3) to AMU (1RN) of the AUDIO SIDETONE OUTPUT signal, from pins AB/15A, 15B to pins AA/3A, 3B) (Ref. ASM 23-51/06).

**ON A/C 503-549, 551-599, 701-749,

- A. If the reception function is not possible during the operational test of the VHF 3 system:
 - 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 AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from VHF 3 transceiver (1RC3) to AMU (1RN) of the AUDIO SIDETONE OUTPUT signal, from pins AB/15A, 15B to pins AA/9A, 8A) (Ref. ASM 23-51/06).
- R **ON A/C 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,
 - B. Do the test given in Para. 3.

23-12-00

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 23-12-00-810-819

Loss of the BUS 1 Data from the CFDIU to the VHF 1

- 1. Possible Causes
 - XCVR-VHF, 1 (1RC1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
	27 42 00 7/0 004	
AMM	23-12-00-740-001	BITE Test of the VHF System
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>
ASM	31-32/02	

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

PANEL DESIGNATION IDENT. LOCATION

121VU CFDS/CFDIU/SPLY 2TW J18

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

NOTE: Do this test for the VHF 1 only.

EFF: ALL 23-12-00

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4. Fault Isolation

- R **ON A/C 201-225, 227-227, 229-237, 239-299, 426-499, 503-549, 551-599, R 701-749,
 - A. If the test gives the maintenance message CFDIU (1TW)/VHF1 (1RC1):
 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:
 - do a check and repair the wiring of the BUS 1 OUTPUT signal, (from VHF 1 transceiver (1RC1) pins AB/6A, 6B to the first terminal block)(Ref. ASM 31-32/02).

**ON A/C 238-238,

- A. If the test gives the maintenance message VHF1: NO DATA FROM CFDIU: 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:
 - do a check and repair the wiring of the BUS 1 OUTPUT signal, (from VHF 1 transceiver (1RC1) pins AB/6A, 6B 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

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TASK 23-12-00-810-820

Loss of the BUS 2 Data from the CFDIU to the VHF 2

- 1. Possible Causes
 - XCVR-VHF, 2 (1RC2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-12-00-740-	001 BITE Test of the VHF System
AMM 23-12-33-000-	OO1 Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3)
AMM 23-12-33-400-	OO1 Installation of the VHF Transceiver (1RC1, 1RC2, 1RC3)
ASM 31-32/03	

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

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

**ON A/C ALL

B. Test

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

NOTE: Do this test for the VHF 2 only.

EFF: ALL 23-12-00

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4. Fault Isolation

- R **ON A/C 201-225, 227-227, 229-237, 239-299, 426-499, 503-549, 551-599, R 701-749,
 - A. If the test gives the maintenance message CFDIU (1TW)/VHF2 (1RC2):
 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:
 - do a check and repair the wiring of the BUS 2 OUTPUT signal, (from VHF 2 transceiver (1RC2) pins AB/6A, 6B to the first terminal block) (Ref. ASM 31-32/03).

**ON A/C 238-238,

- A. If the test gives the maintenance message VHF2: NO DATA FROM CFDIU: 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:
 - do a check and repair the wiring of the BUS 2 OUTPUT signal, (from VHF 2 transceiver (1RC2) pins AB/6A, 6B to the first terminal block) (Ref. ASM 31-32/03).

**ON A/C ALL

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

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EFF: ALL

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

TASK 23-12-00-810-821

Loss of the BUS 4 Data from the CFDIU to the VHF 3

- 1. Possible Causes
 - XCVR-VHF, 3 (1RC3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-12-00-740 AMM 23-12-33-000 AMM 23-12-33-400	-001 Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3) -001 Installation of the VHF Transceiver (1RC1, 1RC2,
ASM 31-32/05	1RC3)

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

PANEL	DESIGNATION	IDENT.	LOCATION
121VU	CFDS/CFDIU/SPLY	2TW	J 18

R **ON A/C 201-225, 227-227, 229-286, 426-499, 503-549, 551-560, 701-749,

Post SB 31-1163 For A/C 433-450,

121VU CFDS/CFDIU/BACK/UP

SROS

8TW

J17

- R **ON A/C 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,
 - B. Test Do the BITE test of the VHF system (Ref. AMM TASK 23-12-00-740-001).
 NOTE: Do this test for the VHF 3 only.

EFF: 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,

23-12-00

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- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-237, 239-286, 429-478, 481-499, 554-599,
 - A. If the test gives the maintenance message CFDIU (1TW)/VHF3 (1RC3):
 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:
 - do a check and repair the wiring of the BUS 4 OUTPUT signal, (from VHF 3 transceiver (1RC3) pins AB/6A, 6B 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 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:
 - do a check and repair the wiring of the BUS 4 OUTPUT signal, (from VHF 3 transceiver (1RC3) pins AB/6A, 6B to the first terminal block)(Ref. ASM 31-32/05).
- R **ON A/C 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,
 - B. Do the test given in Para. 3.B.

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R **ON A/C 201-225, 227-227, 229-254, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-12-00-810-822

Unwanted Background Noise on VHF1

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

DEFENSE. DESTANTION

REFERENCE

DESIGNATION

23-12-00-810-814

Loss of the VHF 1 Reception

- 3. Fault Confirmation
 - A. Test Not applicable.
- 4. Fault Isolation
 - A. If the crew observation VHF1 Background Noise on VHF1, with frequency
 135.97 Mhz identifies the fault symptom:
 select the local ATIS frequency on VHF1.
 - (1) If no background noise is heard:no further action is necessary.
 - (2) If background noise is heard:
 - do the fault isolation procedure (Ref. TASK 23-12-00-810-814).

EFF: 201-225, 227-227, 229-254, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

23-12-00

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R **ON A/C 201-225, 227-227, 229-237, 239-299, 426-499, 503-549, 551-599, R 701-749,

TASK 23-12-00-810-823

Failure of the ANTENNA/VHF1 coaxial connection

- 1. Possible Causes
 - XCVR-VHF, 1 (1RC1)
 - ANTENNA-VHF, 1 (4RC1)
 - coaxial from the VHF 1transceiver (1RC1) to the VHF 1 antenna (4RC1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

ASM 23-12/01

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the VHF system (Ref. AMM TASK 23-12-00-710-001).

NOTE: Do this test for the VHF 1 system only.

- 4. Fault Isolation
 - A. If the operational test shows the VHF1 system malfunction:
 - 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 ANTENNA-VHF, 1 (4RC1), (Ref. AMM TASK 23-12-11-000-001) and (Ref. AMM TASK 23-12-11-400-001).

EFF: 201-225, 227-227, 229-237, 239-299, 426-499, 503-549, 551-599, 701-749,

23-12-00

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- (2) If the fault continues:
 - do a check and repair the coaxial from the VHF 1transceiver (1RC1) to the VHF 1 antenna (4RC1) (Ref. ASM 23-12/01) and (Ref. ESPM 204416W01).
- B. Do the test given in Para. 3.

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TASK 23-12-00-810-824

Failure of the ANTENNA/VHF2 coaxial connection

- 1. Possible Causes
 - XCVR-VHF, 2 (1RC2)
 - ANTENNA-VHF, 2 (4RC2)
 - coaxial from the VHF 2 transceiver (1RC1) to the VHF 2 antenna (4RC2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
ESPM 204416W01	
AMM 23-12-00-710-001	Operational Test of the VHF System
AMM 23-12-11-000-001	Removal of the VHF Antennas (4RC1) and (4RC2)
AMM 23-12-11-400-001	Installation of the VHF Antennas (4RC1) and (4RC2)
AMM 23-12-33-000-001	Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3)
AMM 23-12-33-400-001	Installation of the VHF Transceiver (1RC1, 1RC2,
	1RC3)
ASM 23-12/02	

3. Fault Confirmation

- A. Test
 - (1) Do the operational test of the VHF system (Ref. AMM TASK 23-12-00-710-001).

NOTE: Do this test for the VHF 2 system only.

- 4. Fault Isolation
 - A. If the operational test shows the VHF2 system malfunction:
 - 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 ANTENNA-VHF, 2 (4RC2), (Ref. AMM TASK 23-12-11-000-001) and (Ref. AMM TASK 23-12-11-400-001).
 - (2) If the fault continues:
 - do a check and repair the coaxial from the VHF 2 transceiver (1RC1) to the VHF 2 antenna (4RC2) (Ref. ASM 23-12/02) and (Ref. ESPM 204416W01).
 - B. Do the test given in Para. 3.

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R **ON A/C 201-225, 227-227, 229-237, 239-245, 276-299, 476-478,

TASK 23-12-00-810-825

Failure of the ANTENNA/VHF3 coaxial connection

- 1. Possible Causes
 - XCVR-VHF, 3 (1RC3)
 - ANTENNA-VHF, 3 (4RC3)
 - coaxial from the VHF 3 transceiver (1RC3) to the VHF 3 antenna (4RC3)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
ESPM 204416W01		
AMM 23-12-00-710-001	Operational Test of the VHF System	
AMM 23-12-11-000-001	Removal of the VHF Antennas (4RC1) and (4RC2)	
AMM 23-12-11-400-001	Installation of the VHF Antennas (4RC1) and (4RC2)	
AMM 23-12-33-000-001	Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3)	
AMM 23-12-33-400-001	Installation of the VHF Transceiver (1RC1, 1RC2,	
	1RC3)	
ACM 27 42/07		

ASM 23-12/03

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the VHF system (Ref. AMM TASK 23-12-00-710-001).

NOTE: Do this test for the VHF 3 system only.

- 4. Fault Isolation
 - A. If the operational test shows the VHF3 system malfunction:
 - 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 ANTENNA-VHF, 3 (4RC3), (Ref. AMM TASK 23-12-11-000-001) and (Ref. AMM TASK 23-12-11-400-001).

EFF: 201-225, 227-227, 229-237, 239-245, 276-299, 476-478,

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- (2) If the fault continues:
 - do a check and repair the coaxial from the VHF 3 transceiver (1RC3) to the VHF 3 antenna (4RC3) (Ref. ASM 23-12/03) and (Ref. ESPM 204416W01).
- B. Do the test given in Para. 3.

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

TASK 23-12-00-810-826

Loss of the ATSU/VHF3 Interface

- 1. Possible Causes
 - XCVR-VHF, 3 (1RC3)
 - ATSU (1TX1)
 - wiring of the ATSU FREQ SELECT INPUT PORT A
 - wiring of the ATSU INPUT BUS COM-2
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
A M M	23-12-00-740-001	DITE Took of the VHE System
		BITE Test of the VHF System
	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	46-21-34-000-001	Removal of the Air Traffic Service Unit (ATSU) (1TX1)
AMM	46-21-34-400-001	<pre>Installation of the Air Traffic Service Unit (ATSU) (1TX1)</pre>
ASM	46-21/06	
3. <u>F</u>	ault Confirmation	
**0N	A/C 247-275, 429-47	5, 481-499, 503-549, 551-599,
	SB 46-1001 For A/C SB 46-1005 For A/C	

A. Test

R

R

(1) Do the BITE test of the VHF system (Ref. AMM TASK 23-12-00-740-001).
NOTE: Do this test for the VHF 3 only.

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

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

4. Fault Isolation

R **ON A/C 247-275, 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. If the test gives the maintenance message :
 ACARS MU1 (1RB1)/VHF3 (1RC3) or
 RMP 1/2/3 (1RG1/2/3)/ACARS MU (1RB)/VHF 3 (1RC3)
 - (1) If the ACARS indication comes into view in the ACTIVE display window of the RMP where the VHF 3 is set:
 - replace the XCVR-VHF, 3 (1RC3) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (a) If the fault continues:
 - replace the ATSU (1TX1) (Ref. AMM TASK 46-21-34-000-001) and (Ref. AMM TASK 46-21-34-400-001).
 - (b) If the fault continues:
 - remove the VHF 3 transceiver (Ref. AMM TASK 23-12-33-000-001)
 - remove the ATSU (Ref. AMM TASK 46-21-34-000-001)
 - check and repair the wiring of the ATSU FREQ SELECT INPUT PORTA between pins AA/1E, 1F of the ATSU and pins AB/11A, 11B of the VHF 3 transceiver (Ref. ASM 46-21/06).
 - check and repair the wiring of the ATSU INPUT BUS COM-2 between pins AB/1G, 1H of the ATSU and pins AB/12A, 12B of the VHF 3 transceiver (Ref. ASM 46-21/06).
 - install the ATSU (Ref. AMM TASK 46-21-34-400-001)
 - install the VHF 3 transceiver (Ref. AMM TASK 23-12-33-400-001).
- B. Do the test given in Para. 3.A.

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

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**ON A/C ALL

TASK 23-12-00-810-827

- ${\bf R}$ Loss of One or More VHF Transmission/Reception Functions, or Noise on One or ${\bf R}$ More VHF Channel.
 - 1. Possible Causes
 - CAPT PTT SWITCH (11RN)
 - F/O PTT SWITCH (12RN)
 - 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM 23-12-00-7 AMM 27-92-41-0 AMM 27-92-41-4 TSM 23-12-00-8 TSM 23-12-00-8 TSM 23-12-00-8 TSM 23-12-00-8	10-001 Ope 00-010 Rem 00-010 Ins 10-813 Los 10-814 Los 10-815 Los	erational Test of the VHF System noval of the Radio PTT Switch (11RN,12RN) stallation of the Radio PTT Switch (11RN,12RN) as of the VHF 1 Transmission as of the VHF 2 Transmission as of the VHF 2 Reception	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the VHF system (Ref. AMM TASK 23-12-00-710-001).
- 4. Fault Isolation

R NOTE: ElectroMagnetic Interferences from the Passenger Entertainment System (PES) can cause unsatisfactory reception of one or more VHF Channel.
R Refer to SIL 23-026.

- A. The transmission function is not possible during the operational test of the VHF 1/VHF 2 system:
 - Do the procedure (Ref. TSM TASK 23-12-00-810-813) for the VHF 1.
 - Do the procedure (Ref. TSM TASK 23-12-00-810-815) for the VHF 2.
 - (1) If the reception function is not possible during the operational test of the VHF1/VHF 2 system:
 - Do the procedure (Ref. TSM TASK 23-12-00-810-814) for the VHF 1.
 - Do the procedure (Ref. TSM TASK 23-12-00-810-816) for the VHF 2.

EFF: ALL 23-12-

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- (a) If the fault continues and if the Captain does a report of the event:
 - Replace on the Captain's side stick the CAPT PTT SWITCH (11RN), (Ref. AMM TASK 27-92-41-000-010) (Ref. AMM TASK 27-92-41-400-010).
- (b) If the fault continues and if the First Officer does a report of the event:
 - Replace on the First Officer's side stick the F/O PTT SWITCH (12RN), (Ref. AMM TASK 27-92-41-000-010) (Ref. AMM TASK 27-92-41-400-010).
- B. Do the operational test of the VHF system (Ref. AMM TASK 23-12-00-710-001).

EFF: ALL
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RADIO MANAGEMENT - FAULT ISOLATION PROCEDURES

R **ON A/C 201-225, 227-227, 229-250, 252-299, 426-499, 701-749,

TASK 23-13-00-810-801

Loss of the Data from the RMP 2 to the RMP 1

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring from RMP 2 (1RG2) to RMP 1 (1RG1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-13-00-740-001	BITE Test of the Radio Management	
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)	
ASM	23-13/01		

3. Fault Confirmation

- A. Job Set-up On the RMP 1 and RMP 2 only, make sure that the ON/OFF switches are at ON.
- B. Test Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

NOTE: Do this test for the RMP 1 only.

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EFF: ALL

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TROUBLE SHOOTING MANUAL

- 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 RMP 1: NO DATA FROM RMP 2: replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (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 RMP 2 (1RG2) to RMP 1 (1RG1) of the DIALOGUE OUTPUT signal, from pins A/BB, CC to pins A/<X, <Y (Ref. ASM 23-13/01).
- R **ON A/C 201-225, 227-227, 229-250, 252-299, 426-499, 701-749,
- R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480, R 701-749,
 - A. If the test gives the maintenance message RMP2(1RG2)/RMP1(1RG1):
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (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 RMP 2 (1RG2) to RMP 1 (1RG1)
 of the DIALOGUE OUTPUT signal, from pins A/BB, CC to pins A/<X, <Y
 (Ref. ASM 23-13/01).
- R **ON A/C 201-225, 227-227, 229-250, 252-299, 426-499, 701-749,
 - B. Do the test given in Para. 3.B.

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**ON A/C ALL

TASK 23-13-00-810-802

Failure of the RMP 2 (RMP 1 Source)

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - wiring
 - C/B-COM NAV/RMP/2 (2RG2)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	23-13-00-740-001	BITE Test of the Radio Management	
R	AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
R	AMM	23-13-13-400-001	Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
	ASM	23-13/01		

- 3. Fault Confirmation
 - A. Table of the circuit breakers used in this procedure:

PANEL DESIGNATION IDENT. LOCATION ______ 2RG2 L02

121VU COM NAV/RMP/2

B. Job Set-Up On the RMP 1 and RMP 2 only, make sure that the ON/OFF switches are at ON.

C. Test

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

NOTE: Do this test for the RMP 1 only.

23-13-00 EFF: ALL

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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 RMP 1: NO DATA FROM RMP 2: do a check of the circuit breaker (2RG2) status.
 - (1) If the circuit breaker is closed:
 - do a check for 28VDC at pin A/N of the RMP 2 (1RG2) (Ref. ASM 23-13/01).
 - (a) If there is 28VDC:
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin A/R of the RMP 2 (1RG2)
 (Ref. ASM 23-13/01).
 - 1 If there is no ground signal:
 - repair the wiring between the RMP 2 (1RG2) pin A/R and the ground terminal (Ref. ASM 23-13/01).
 - 2 If there is a ground signal:
 - do a check of the wiring between the RMP 2 pin A/N and the circuit breaker (2RG2) (Ref. ASM 23-13/01).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker (2RG2).
 - (2) If the circuit breaker is open:
 close it.
 - (a) If it opens again:
 - replace the RMP 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - 1 If the fault continues:
 - do a check for a short to ground at the wiring between the RMP (1RG) pin A/N and the circuit breaker (2RG2) (Ref. ASM 23-13/01).
 - <u>a</u> If there is a short to ground:repair the related wiring.
 - b If there is no short to ground:
 replace the C/B-COM NAV/RMP/2 (2RG2).

EFF: ALL

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(b) If the circuit breaker stays closed and the fault continues: - replace the RMP 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).

**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 RMP2(1RG2)/RMP1(1RG1):
 do a check of the circuit breaker (2RG2) status.
 - (1) If the circuit breaker (2RG2) is closed:
 - do a check for 28VDC at pin A/N of the RMP 2 (1RG2) (Ref. ASM 23-13/01).
 - (a) If there is 28VDC:
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin A/R of the RMP 2 (1RG2)
 (Ref. ASM 23-13/01).
 - 1 If there is no ground signal:
 - repair the wiring between the RMP 2 (1RG2) pin A/R and the ground terminal (Ref. ASM 23-13/01).
 - 2 If there is a ground signal:
 - do a check of the wiring between the RMP 2 pin A/N and the circuit breaker (2RG2) (Ref. ASM 23-13/01).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace circuit breaker (2RG2).
 - (2) If the circuit breaker (2RG2) is open:
 close it.
 - (a) If it opens again:
 - replace the RMP 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - 1 If the fault continues:
 - do a check for a short to ground at the wiring between the RMP (1RG) pin A/N and the circuit breaker (2RG2) (Ref. ASM 23-13/01).
 - <u>a</u> If there is a short to ground:repair the related wiring.

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R	b If there is no short to ground:
R	- replace the C/B-COM NAV/RMP/2 (2RG2).
R	(b) If the circuit breaker stays closed and the fault continues:
R	- replace the RMP 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and
R	(Ref. AMM TASK 23-13-400-001).
R	**ON A/C ALL

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

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TASK 23-13-00-810-803

Loss of the Data from the RMP 1 to the RMP 2

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - wiring from RMP 1 (1RG1) to RMP 2 (1RG2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		RENCE	DESIGNATION	
	AMM	23-13-00-740-001	BITE Test of the Radio Management	
		23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
	AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>	
	ASM	23-13/01		

- 3. Fault Confirmation
 - A. Job Set-up On the RMP 1 and RMP 2 only, make sure that the ON/OFF switches are at ON.
 - B. Test Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

NOTE: Do this test for the RMP 2 only.

- 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 RMP 2: NO DATA FROM RMP 1: 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).
 - (1) If the fault continues:
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).

EFF: ALL
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- (2) If the fault continues:
 - do a check and repair the wiring from RMP 1 (1RG1) to RMP 2 (1RG2) of the DIALOGUE OUTPUT signal, from pins A/BB, CC to pins A/<Z, AA (Ref. ASM 23-13/01).

**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 RMP1(1RG1)/RMP2(1RG2):
 - 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).
 - (1) If the fault continues:
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (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 RMP 1 (1RG1) to RMP 2 (1RG2) of the DIALOGUE OUTPUT signal, from pins A/BB, CC to pins A/<Z, AA (Ref. ASM 23-13/01).

**ON A/C ALL

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

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EFF:

ALL

TROUBLE SHOOTING MANUAL

TASK 23-13-00-810-804

Failure of the RMP 1 (RMP 2 Source)

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring
 - C/B-COM/RMP/1 (2RG1)
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION	
	AMM	23-13-00-740-001	BITE Test of the Radio Management	
R	AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
R	AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>	
	ASM	23-13/01		

- 3. Fault Confirmation
 - A. Job Set-Up On the RMP 1 and RMP 2 only, make sure that the ON/OFF switches are at ON.
 - B. Test Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

NOTE: Do this test for the RMP 2 only.

- 4. Fault Isolation
 - A. Table of the circuit breakers used in this procedure:

PANEL	DESIGNATION	IDENT.	LOCATION
49٧0	COM/RMP/1	2RG1	G10

EFF: ALL 23-13-00

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- R **ON A/C 201-225, 227-227, 229-250, 276-299, 426-431, 476-480, 701-749,
 - B. If the test gives the maintenance message RMP 2 : NO DATA FROM RMP 1: do a check of the circuit breaker (2RG1) status.
 - (1) If the circuit breaker is closed:
 - do a check for 28VDC at pin A/N of the RMP 1 (1RG1) (Ref. ASM 23-13/01).
 - (a) If there is 28VDC:
 - 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).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin A/R of the RMP 1 (1RG1)
 (Ref. ASM 23-13/01).
 - 1 If there is no ground signal:
 - repair the wiring between the RMP 1 (1RG1) pin A/R and the ground terminal (Ref. ASM 23-13/01).
 - 2 If there is a ground signal:
 - do a check of the wiring between RMP 1 pin A/N and the circuit breaker (2RG1) (Ref. ASM 23-13/01).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker (2RG1).
 - (2) If the circuit breaker is open: - close it.
 - (a) If it opens again:
 - replace the RMP 1 (1RG1) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - 1 If the fault continues:
 - do a check for a short to ground at the wiring between the RMP 1 (1RG1) pin A/N and the circuit breaker (2RG1) (Ref. ASM 23-13/01).
 - <u>a</u> If there is a short to ground:repair the related wiring.
 - <u>b</u> If there is no short to ground:replace the C/B-COM/RMP/1 (2RG1).

EFF: 201-225, 227-227, 229-250, 276-299, 426-431, 476-480, 701-749,

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(b) If the circuit breaker stays closed and the fault continues: - replace the RMP 1 (1RG1) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).

**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,

- B. If the test gives the maintenance message RMP1(1RG1)/RMP2(1RG2):- do a check of the circuit breaker (2RG1) status.
 - (1) If the circuit breaker (2RG2) is closed:
 - do a check for 28VDC at pin A/N of the RMP 1 (1RG1) (Ref. ASM 23-13/01).
 - (a) If there is 28VDC:
 - 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).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin A/R of the RMP 1 (1RG1)
 (Ref. ASM 23-13/01).
 - 1 If there is no ground signal:
 - repair the wiring between the RMP 1 (1RG1) pin A/R and the ground terminal (Ref. ASM 23-13/01).
 - 2 If there is a ground signal:
 - do a check of the wiring between RMP 1 pin A/N and the circuit breaker (2RG1) (Ref. ASM 23-13/01).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker (2RG1).
 - (2) If the circuit breaker (2RG1) is open:
 close it.
 - (a) If it opens again:
 - replace the RMP 1 (1RG1) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - 1 If the fault continues:
 - do a check for a short to ground at the wiring between the RMP 1 (1RG1) pin A/N and the circuit breaker (2RG1) (Ref. ASM 23-13/01).
 - <u>a</u> If there is a short to ground:- repair the related wiring.

EFF: ALL

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R	b If there is no short to ground:
R	- replace the C/B-COM/RMP/1 (2RG1).
R	(b) If the circuit breaker stays closed and the fault continues:
R	- replace the RMP 1 (1RG1) (Ref. AMM TASK 23-13-13-000-001) and
R	(Ref. AMM TASK 23-13-400-001).
R	**ON A/C ALL

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

EFF: ALL

23-13-00

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TROUBLE SHOOTING MANUAL

TASK 23-13-00-810-805

Loss of the Tuning Data for the VHF 1 System

- 1. Possible Causes
 - XCVR-VHF, 1 (1RC1)
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring from VHF 1 transceiver (1RC1) to RMP 1 (1RG1)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	23-12-00-740-001	BITE Test of the VHF System	
	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>	
R	AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
R	AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>	
	ASM	23-13/02		

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

- B. Job Set-Up On the RMP 1 only, make sure that the ON/OFF switch is at ON.
- C. Test
 - (1) Do the BITE test of the VHF system (Ref. AMM TASK 23-12-00-740-001).

 \underline{NOTE} : Do this test for the VHF 1 only.

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4. Fault Isolation

- R **ON A/C 201-225, 227-227, 229-237, 239-299, 426-499, 503-549, 551-599, R 701-749,
 - A. If the BITE test gives the maintenance message RMP1/2/3 (1RG1/2/3)/VHF1 (1RC1):
 - 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 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 VHF 1 transceiver (1RC1) to RMP 1 (1RG1) of the FREQ SELECT INPUT PORT A signal, from pins AB/11A, 11B to pins A/<P, <Q (Ref. ASM 23-13/02).

**ON A/C 238-238,

- A. If the BITE test gives the maintenance message VHF 1: NO DATA FROM CONTROL SOURCE:
 - 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 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 VHF 1 transceiver (1RC1) to RMP 1 (1RG1) of the FREQ SELECT INPUT PORT A signal, from pins AB/11A, 11B to pins A/<P, <Q (Ref. ASM 23-13/02).

**ON A/C ALL

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

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 23-13-00-810-806

Loss of the RMP 1 Data on the Bus 2 (VHF 1 Sys Source)

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AM	M 23-12-00-740-001	BITE Test of the VHF System	
AM	M 23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
AM	M 23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>	
AS	M 23-13/02		

- 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. Job Set-up On the RMP 1 only, make sure that the ON/OFF switch is at ON.
- C. Test
 - (1) Do the BITE test of the VHF system (Ref. AMM TASK 23-12-00-740-001).

NOTE: Do this test for the VHF 1 only.

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-237, 239-299, 426-499, 503-549, 551-599, R 701-749,
 - A. If the BITE test gives the maintenance message RMP1/2/3 (1RG1/2/3)/VHF1 (1RC1):
 - 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).

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- (1) If the fault continues:
 - do a check and repair the wiring of the COM 1 DATA OUTPUT signal, (from RMP 1 (1RG1) pins A /<P, <Q to the first terminal block) (Ref. ASM 23-13/02).

**ON A/C 238-238,

- A. If the BITE test gives the maintenance message VHF 1: NO DATA FROM CONTROL SOURCE:
 - 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).
 - (1) If the fault continues:
 - do a check and repair the wiring of the COM 1 DATA OUTPUT signal, (from RMP 1 (1RG1) pins A /<P, <Q to the first terminal block) (Ref. ASM 23-13/02).

**ON A/C ALL

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

EFF: ALL

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TASK 23-13-00-810-807

Loss of the Tuning Data for the VHF 2 System

- 1. Possible Causes
 - XCVR-VHF, 2 (1RC2)
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - wiring from VHF 2 transceiver (1RC2) to RMP 2 (1RG2)
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
	AMM	23-12-00-740-001	BITE Test of the VHF System
	AMM	23-12-33-000-001	Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3)
	AMM	23-12-33-400-001	Installation of the VHF Transceiver (1RC1, 1RC2, 1RC3)
R	AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
R	AMM	23-13-13-400-001	Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
	ASM	23-13/02	

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

- B. Job Set-up On the RMP 2 only, make sure that the ON/OFF switch is at ON.
- C. Test
 - (1) Do the BITE test of the VHF system (Ref. AMM TASK 23-12-00-740-001).

 $\underline{\text{NOTE}}$: Do this test for the VHF 2 only.

EFF: ALL 23-13-00

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4. Fault Isolation

- R **ON A/C 201-225, 227-227, 229-237, 239-299, 426-499, 503-549, 551-599, R 701-749,
 - A. If the BITE test gives the maintenance message RMP1/2/3 (1RG1/2/3)/VHF2 (1RC2)
 - 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 RMP-COM/NAV FREQ SEL, 2 (1RG2) (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 VHF 2 transceiver (1RC2) to RMP 2 (1RG2) of the FREQ SELECT INPUT PORT A signal, from pins AB/11A, 11B to pins A/<R and <S (Ref. ASM 23-13/02).

**ON A/C 238-238,

- A. If the BITE test gives the maintenance message VHF 2: NO DATA FROM CONTROL SOURCE:
 - 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 RMP-COM/NAV FREQ SEL, 2 (1RG2) (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 VHF 2 transceiver (1RC2) to RMP 2 (1RG2) of the FREQ SELECT INPUT PORT A signal, from pins AB/11A, 11B to pins A/<R and <S (Ref. ASM 23-13/02).</p>

**ON A/C ALL

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

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 23-13-00-810-808

Loss of the RMP 2 Data on the Bus 2 (VHF 2 System Source)

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-12-00-740-001	BITE Test of the VHF System	
AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>	
ASM	23-13/02		

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

- B. Job Set-up On the RMP 2 only, make sure that the ON/OFF switch is at ON.
- C. Test

4. Fault Isolation

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

NOTE: Do this test for the VHF 2 only.

- R **ON A/C 201-225, 227-227, 229-237, 239-299, 426-499, 503-549, 551-599, R 701-749,
 - A. If the BITE test gives the maintenance message RMP1/2/3 (1RG1/2/3)/VHF2 (1RC2)
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).

EFF: ALL 23-13-00

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- (1) If the fault continues:
 - do a check and repair the wiring of the COM 2 DATA OUTPUT signal, (from RMP 2 (1RG2) pins A/<R, <S to the first terminal block) (Ref. ASM 23-13/02).</p>

**ON A/C 238-238,

- A. If the BITE test gives the maintenance message VHF 2: NO DATA FROM CONTROL SOURCE:
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of the COM 2 DATA OUTPUT signal, (from RMP 2 (1RG2) pins A/<R, <S to the first terminal block) (Ref. ASM 23-13/02).

**ON A/C ALL

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

EFF: ALL

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

TASK 23-13-00-810-809

Loss of the Tuning Data for the VHF 3 System

- 1. Possible Causes
 - XCVR-VHF, 3 (1RC3)
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - wiring from VHF 3 transceiver (1RC3) to RMP 2 (1RG2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		RENCE	DESIGNATION	
ı	AMM	23-12-00-740-001	BITE Test of the VHF System	
ı	AMM	23-12-33-000-001	Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3)	
1	AMM	23-12-33-400-001	<pre>Installation of the VHF Transceiver (1RC1, 1RC2, 1RC3)</pre>	
1	AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
1	AMM	23-13-13-400-001	Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
1	ASM	23-13/02		

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

- B. Job Set-up On the RMP 2 only, make sure that the ON/OFF switch is at ON.
- C. Test
 - (1) Do the BITE test of the VHF system (Ref. AMM TASK 23-12-00-740-001).
 NOTE: Do this test for the VHF 3 only.

EFF: 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,

23-13-00

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- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-237, 239-286, 429-478, 481-499, 554-599,
 - A. If the BITE test gives the maintenance message RMP1/2/3 (1RG1/2/3)/VHF3 (1RC3):
 - 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 RMP-COM/NAV FREQ SEL, 2 (1RG2) (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 VHF 3 transceiver (1RC3) to RMP 2 (1RG2) of the FREQ SELECT INPUT PORT B signal, from pins AB/7A, 7B to pins A/<P, <Q (Ref. ASM 23-13/02).

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

- A. If the BITE test gives the maintenance message VHF 3: NO DATA FROM CONTROL SOURCE:
 - 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 RMP-COM/NAV FREQ SEL, 2 (1RG2) (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 VHF 3 transceiver (1RC3) to RMP 2 (1RG2) of the FREQ SELECT INPUT PORT B signal, from pins AB/7A, 7B to pins A/<P, <Q (Ref. ASM 23-13/02).</p>
- R **ON A/C 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,
 - B. Do the test given in Para. 3.C.

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TASK 23-13-00-810-810

Loss of the RMP 2 Data on the Bus 1 (VHF 3 System Source)

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 23-12-00-740-001	BITE Test of the VHF System	
AMM 23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
AMM 23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>	
ASM 23-13/02		

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

- B. Job Set-up On the RMP 2 only, make sure that the ON/OFF switch is at ON.
- C. Test
 - (1) Do the BITE test of the HF system (Ref. AMM TASK 23-12-00-740-001).
- $\underline{\mathsf{NOTE}}$: Do this test for the VHF 3 only.
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-237, 239-286, 429-478, 481-499, 554-599,
 - A. If the BITE test gives the maintenance message RMP1/2/3 (1RG1/2/3)/VHF3 (1RC3)
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).

EFF: 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,

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- (1) If the fault continues:
 - do a check and repair the wiring of the COM 1 DATA OUTPUT signal, (from RMP 2 (1RG2) pins A/<P, <Q to the first terminal block) (Ref. ASM 23-13/02).

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

- A. If the BITE test gives the maintenance message VHF 3: NO DATA FROM CONTROL SOURCE:
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of the COM 1 DATA OUTPUT signal, (from RMP 2 (1RG2) pins A/<P, <Q to the first terminal block) (Ref. ASM 23-13/02).
- R **ON A/C 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,
 - B. Do the test given in Para. 3.C.

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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 23-13-00-810-811

Loss of the Tuning Data for the HF 1 System

- 1. Possible Causes
 - XCVR-HF, 1 (3RE1)
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring from HF 1 transceiver (3RE1) to RMP 1 (1RG1)
 - wiring (from the HF1 transceiver (3RE1) to the RMP1 (1RG1))
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-11-00-740-001	Bite Test of the HF System	
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	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)	
ASM	23-13/02		

- 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
49VU COM/RMP/1 2RG1 G10

- B. Job Set-up On the RMP 1 only, make sure that the ON/OFF switch is at ON.
- C. Test

SROS

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

NOTE: Do this test for the HF 1 only.

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

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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,
 - 4. Fault Isolation
- R **ON A/C 229-229, 279-279, 428-428, 451-451, 478-479,
 - A. If the BITE test gives the maintenance message HF 1: NO DATA FROM CONTROL SOURCE:
 - 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 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 HF 1 transceiver (3RE1) to RMP 1 (1RG1) of the FREQ SELECT INPUT PORT A signal, from pins AB/3E, 3F to pins A/<P, <Q (Ref. ASM 23-13/02).

**ON A/C 202-202, 205-205, 245-245, 251-251, 254-275, 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. If the BITE test gives the maintenance message RMP1/2/3 (1RG1/2/3)/HF1 (3RE1)
 - 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 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 the HF1 transceiver (3RE1) to the RMP1 (1RG1)) of the FREQ SELECT INPUT PORT A signal (from pins AB/3E, 3F to pins A/p, q) (Ref. ASM 23-13/02).
- 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. Do the test given in Para. 3.C.

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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 23-13-00-810-812

Loss of the RMP 1 Data on the Bus 2 (HF 1 System Source)

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-11-00-740-001	Bite Test of the HF System	
AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>	
ASM	23-13/02		

- 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

49VU COM/RMP/1 2RG1 G10

- B. Job Set-up
 On the RMP 1 only, make sure that the ON/OFF switch is at ON.
- C. Test
 - (1) Do the BITE test of the HF system (Ref. AMM TASK 23-11-00-740-001).
 NOTE: Do this test for the HF 1 only.

EFF: 202-202, 205-205, 229-229, 245-245, 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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- 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 229-229, 279-279, 428-428, 451-451, 478-479,
 - A. If the BITE test gives the maintenance message HF 1: NO DATA FROM CONTROL SOURCE:
 - 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).
 - (1) If the fault continues:
 - do a check and repair the wiring of the COM 1 DATA OUTPUT signal, (from RMP 1 (1RG1) pins A/<P, <Q to the first terminal block) (Ref. ASM 23-13/02).

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**ON A/C 202-202, 205-205, 245-245, 251-251, 254-275, 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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- A. If the BITE test gives the maintenance message RMP1/2/3 (1RG1/2/3)/HF1 (3RE1):
 - 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).
 - (1) If the fault continues:
 - do a check and repair the wiring of the COM 1 DATA OUTPUT signal (from RMP 1 (1RG1) pins A/p, q to the first terminal block) (Ref. ASM 23-13/02).
- 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. Do the test given in Para. 3.C.

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

TASK 23-13-00-810-813

Loss of the Tuning Data for the HF 2 System

- 1. Possible Causes
 - XCVR-HF, 2 (3RE2)
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - wiring from HF 2 transceiver (3RE2) to RMP 2 (1RG2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
A MM	27 44 00 7/0 004	Dita Tank of the UE Contain
	23-11-00-740-001	Bite Test of the HF System
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	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)
ASM	23-13/02	

- 3. Fault Confirmation
- R **ON A/C 202-202, 245-245, 551-553, 555-555,
- R 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
121VU COM NAV/RMP/2 2RG2 LO2

- B. Job Set-up On the RMP 2 only, make sure that the ON/OFF switch is at ON.
- C. Test
 - (1) Do the BITE test of the HF system (Ref. AMM TASK 23-11-00-740-001).

NOTE: Do this test for the HF 2 only.

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

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- R **ON A/C 202-202, 245-245, 551-553, 555-555,
 - 4. Fault Isolation
- R **ON A/C 202-202, 245-245, 551-553, 555-555,
- R Post SB 23-1057 For A/C 202-202,245-245,551-553,555-555,
 - A. If the BITE test gives the maintenance message HF 2: NO DATA FROM CONTROL SOURCE:
 - 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 RMP-COM/NAV FREQ SEL, 2 (1RG2) (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 HF 2 transceiver (3RE2) to RMP 2 (1RG2) of the FREQ SELECT INPUT PORT A signal, from pins AB/3E, 3F to pins A/<R, <S) (Ref. ASM 23-13/02).
 - B. Do the test given in Para. 3.C.

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

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

TASK 23-13-00-810-814

Loss of the RMP 2 Data on the Bus 2 (HF 2 System Source)

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-11-00-740-001	Bite Test of the HF System
AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>
ASM	23-13/02	

- 3. Fault Confirmation
- R **ON A/C 202-202, 245-245, 551-553, 555-555,
- R 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

121VU COM NAV/RMP/2 2RG2 LO2

- B. Job Set-up On the RMP 2 only, make sure that the ON/OFF switch is at ON.
- C. Test
 - (1) Do the BITE test of the HF system (Ref. AMM TASK 23-11-00-740-001).
 NOTE: Do this test for the HF 2 only.

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

23-13-00

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- R **ON A/C 202-202, 245-245, 551-553, 555-555,
 - 4. Fault Isolation
- R **ON A/C 202-202, 245-245, 551-553, 555-555,
- R Post SB 23-1057 For A/C 202-202,245-245,551-553,555-555,
 - A. If the BITE test gives the maintenance message HF 2: NO DATA FROM CONTROL SOURCE:
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of the COM 2 DATA OUTPUT signal, (from RMP 2 (1RG2) pins A/<R, <S to the first terminal block) (Ref. ASM 23-13/02).
 - B. Do the test given in Para. 3.C.

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**ON A/C ALL

TASK 23-13-00-810-817

Failure of One of the Two RMPs: The RMP 1

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring
 - C/B-COM/RMP/1 (2RG1)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	23-13-00-740-001	BITE Test of the Radio Management	
R	AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
R	AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>	
	ASM	23-13/01	,	

- 3. Fault Confirmation
 - A. Table of the circuit breakers used in this procedure:

PANEL DESIGNATION IDENT. LOCATION
49VU COM/RMP/1 2RG1 G10

- B. Job Set-Up On the RMP 1 and RMP 2 only, make sure that the ON/OFF switches are at ON.
- C. Test Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

NOTE: Do this test for the RMP 1 and RMP 2.

EFF : ALL 23-13-00

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4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-250, 276-299, 426-431, 476-480, 701-749,

- A. If the tests give the two maintenance messages
 - RMP 1: NO DATA FROM RMP 1
 - RMP 2: NO DATA FROM RMP 1:
 - do a check of the circuit breaker (2RG1) status.
 - (1) If the circuit breaker is closed:
 - do a check for 28VDC at pin A/N of the RMP 1 (1RG1) (Ref. ASM 23-13/01).
 - (a) If there is 28VDC:
 - 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).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin A/R of the RMP 1 (1RG1) (Ref. ASM 23-13/01).
 - 1 If there is no ground signal:
 - repair the wiring between the RMP 1 (1RG1) pin A/R and the ground terminal (Ref. ASM 23-13/01).
 - 2 If there is a ground signal:
 - do a check of the wiring between the RMP 1 pin A/N and the circuit breaker (2RG1) (Ref. ASM 23-13/01).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker (2RG1).
 - (2) If the circuit breaker is open:
 - close it.
 - (a) If it opens again:
 - replace the RMP 1 (1RG1) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - 1 If the fault continues:
 - do a check for a short to ground at the wiring between the RMP 1 (1RG1) pin A/N and the circuit breaker (2RG1) (Ref. ASM 23-13/01).
 - <u>a</u> If there is a short to ground:repair the related wiring.

EFF: ALL

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- <u>b</u> If there is no short to ground:replace the C/B-COM/RMP/1 (2RG1).
- (b) If the circuit breaker stays closed and the fault continues:
 replace the RMP 1 (1RG1) (Ref. AMM TASK 23-13-13-000-001) and
 (Ref. AMM TASK 23-13-13-400-001).

**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 tests give the two maintenance messages RMP1(1RG1)

RMP1(1RG1)/RMP2(1RG2):

- do a check of the circuit breaker (2RG1) status.
- (1) If the circuit breaker (2RG1) is closed:
 - do a check for 28VDC at pin A/N of the RMP 1 (1RG1) (Ref. ASM 23-13/01).
 - (a) If there is 28VDC:
 - 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).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin A/R of the RMP 1 (1RG1)
 (Ref. ASM 23-13/01).
 - 1 If there is no ground signal:
 - repair the wiring between the RMP 1 (1RG1) pin A/R and the ground terminal (Ref. ASM 23-13/01).
 - 2 If there is a ground signal:
 - do a check of the wiring between the RMP 1 pin A/N and the circuit breaker (2RG1) (Ref. ASM 23-13/01).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker (2RG1).
- (2) If the circuit breaker (2RG1) is open:
 close it.
 - (a) If it opens again:
 - replace the RMP 1 (1RG1) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).

EFF: ALL

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- 1 If the fault continues:
 - do a check for a short to ground at the wiring between the RMP 1 (1RG1) pin A/N and the circuit breaker (2RG1) (Ref. ASM 23-13/01).
 - <u>a</u> If there is a short to ground:repair the related wiring.
 - <u>b</u> If there is no short to ground:replace the C/B-COM/RMP/1 (2RG1).
- (b) If the circuit breaker stays closed and the fault continues:
 replace the RMP 1 (1RG1) (Ref. AMM TASK 23-13-13-000-001) and
 (Ref. AMM TASK 23-13-13-400-001).

**ON A/C ALL

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

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R

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EFF :

ALL

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TASK 23-13-00-810-818

Failure of One of the Two RMPs: The RMP 2

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - wiring
 - C/B-COM NAV/RMP/2 (2RG2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-13-00-740-001	BITE Test of the Radio Management
AMM 23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM 23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>
ASM 23-13/01	

- 3. Fault Confirmation
 - A. Job Set-Up On the RMP 1 and RMP 2 only, make sure that the ON/OFF switches are at ON.
 - B. Test Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

NOTE: Do this test for the RMP 1 and RMP 2.

- 4. Fault Isolation
 - A. Table of the circuit breakers used in this procedure:

PANEL	DESIGNATION	IDENT.	LOCATION
121VU	COM NAV/RMP/2	2RG2	L02

EFF: ALL

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- R **ON A/C 201-225, 227-227, 229-250, 276-299, 426-431, 476-480, 701-749,
 - B. If the tests give the two maintenance messages

RMP 1: NO DATA FROM RMP 2

RMP 2: NO DATA FROM RMP 2:

- do a check of the circuit breaker (2RG2) status.
- (1) If the circuit breaker is closed:
 - do a check for 28VDC at pin A/N of the RMP 2 (1RG2) (Ref. ASM 23-13/01).
 - (a) If there is 28VDC:
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin A/R of the RMP 2 (1RG2)
 (Ref. ASM 23-13/01).
 - 1 If there is no ground signal:
 - repair the wiring between the RMP 2 (1RG2) pin A/R and the ground terminal (Ref. ASM 23-13/01).
 - 2 If there is a ground signal:
 - do a check of the wiring between the RMP 2 pin A/N and the circuit breaker (2RG2) (Ref. ASM 23-13/01).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker (2RG2).
- (2) If the circuit breaker is open:
 - close it.
 - (a) If it opens again:
 - replace the RMP 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - 1 If the fault continues:
 - do a check for a short to ground at the wiring between the RMP 2 (1RG2) pin A/N and the circuit breaker (2RG2) (Ref. ASM 23-13/01).
 - <u>a</u> If there is a short to ground:- repair the related wiring.
 - <u>b</u> If there is no short to ground:replace the C/B-COM NAV/RMP/2 (2RG2).

EFF: 201-225, 227-227, 229-250, 276-299, 426-431, 476-480, 701-749,

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(b) If the circuit breaker stays closed and the fault continues: - replace the RMP 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).

**ON A/C ALL

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

- B. If the tests give the two maintenance messages RMP2(1RG2)/RMP1(1RG1) RMP2(1RG2):
 - do a check of the circuit breaker (2RG2) status.
 - (1) If the circuit breaker (2RG2) is closed:
 - do a check for 28VDC at pin A/N of the RMP 2 (1RG2) (Ref. ASM 23-13/01).
 - (a) If there is 28VDC:
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin A/R of the RMP 2 (1RG2) (Ref. ASM 23-13/01).
 - 1 If there is no ground signal:
 - repair the wiring between the RMP 2 (1RG2) pin A/R and the ground terminal (Ref. ASM 23-13/01).
 - 2 If there is a ground signal:
 - do a check of the wiring between the RMP 2 pin A/N and the circuit breaker (2RG2) (Ref. ASM 23-13/01).
 - a If there is no continuity: - repair the above wiring.
 - b If there is continuity: - replace the circuit breaker (2RG2).
 - (2) If the circuit breaker (2RG2) is open: - close it.
 - (a) If it opens again:
 - replace the RMP 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - 1 If the fault continues:
 - do a check for a short to ground at the wiring between the RMP 2 (1RG2) pin A/N and the circuit breaker (2RG2) (Ref. ASM 23-13/01).

EFF: ALL 23-13-00

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- <u>a</u> If there is a short to ground:repair the related wiring.
- b If there is no short to ground:
 replace the C/B-COM NAV/RMP/2 (2RG2).
- (b) If the circuit breaker stays closed and the fault continues:
 replace the RMP 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and
 (Ref. AMM TASK 23-13-13-400-001).

**ON A/C ALL

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

EFF: ALL
SROS

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R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-13-00-810-819

Loss of the Data from the RMP 3 to the RMP 1

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-13-00-740-001	BITE Test of the Radio Management	
AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>	
ASM	23-13/01		

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. Job Set-up On the RMP 1 and RMP 3 only, make sure that the ON/OFF switches are at ON.
 - B. Test
 - (1) Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

 \underline{NOTE} : Do this test for the RMP 1 only.

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

23-13-00

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- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - - (1) If the fault continues:
 - do a check and repair the wiring of the DIALOGUE INPUT signal, (from RMP 1 (1RG1) pins A/<Z, AA to the first terminal block) (Ref. ASM 23-13/01).
 - B. Do the test given in Para. 3.B.

TROUBLE SHOOTING MANUAL

R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-13-00-810-820

Loss of the Data from the RMP 3 to the RMP 2

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-13-00-740-001	BITE Test of the Radio Management
AMM 23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM 23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>
ASM 23-13/01	

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. Job Set-up On the RMP 2 and RMP 3 only, make sure that the ON/OFF switches are at ON.
 - B. Test
 - (1) Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

 \underline{NOTE} : Do this test for the RMP 2 only.

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - - (1) If the fault continues:
 - do a check and repair the wiring of the DIALOGUE INPUT signal, (from RMP 2 (1RG2) pins A/<X, <Y to the first terminal block) (Ref. ASM 23-13/01).
 - B. Do the test given in Para. 3.B.

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R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-13-00-810-821

Loss of the Data from the RMP 1 to the RMP 3

- 1. Possible Causes
 - RMP-COM FREQ SEL, 3 (1RG3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-13-00-740-001	BITE Test of the Radio Management
AMM 23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM 23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>
ASM 23-13/01	

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. Job Set-up On the RMP 1 and RMP 3 only, make sure that the ON/OFF switches are at ON.
 - B. Test
 - (1) Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

 \underline{NOTE} : Do this test for the RMP 3 only.

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. If the test gives the maintenance message RMP1(1RG1)/RMP3(1RG3):
 replace the RMP-COM FREQ SEL, 3 (1RG3) (Ref. AMM TASK 23-13-13-000-001)
 and (Ref. AMM TASK 23-13-13-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of the DIALOGUE INPUT signal, (from RMP 3 (1RG3) pins A/<X, <Y to the first terminal block) (Ref. ASM 23-13/01).
 - B. Do the test given in Para. 3.B.

TROUBLE SHOOTING MANUAL

R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-13-00-810-822

Loss of the Data from the RMP 2 to the RMP 3

- 1. Possible Causes
 - RMP-COM FREQ SEL, 3 (1RG3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
,	AMM	23-13-00-740-001	BITE Test of the Radio Management
	AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
,	AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>
,	ASM	23-13/01	

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. Job Set-up On the RMP 2 and RMP 3 only, make sure that the ON/OFF switches are at ON.
 - B. Test
 - (1) Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

 \underline{NOTE} : Do this test for the RMP 3 only.

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. If the test gives the maintenance message RMP2(1RG2)/RMP3(1RG3):
 replace the RMP-COM FREQ SEL, 3 (1RG3) (Ref. AMM TASK 23-13-13-000-001)
 and (Ref. AMM TASK 23-13-13-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of the DIALOGUE INPUT signal, (from RMP 3 (1RG3) pins A/<Z, AA to the first terminal block) (Ref. ASM 23-13/01).
 - B. Do the test given in Para. 3.B.

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TROUBLE SHOOTING MANUAL

R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-13-00-810-823

Failure of the RMP 1 (RMP 2 and RMP 3 Sources)

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring
 - C/B-COM/RMP/1 (2RG1)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-13-00-740-001	BITE Test of the Radio Management
AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>
ASM	23-13/01	

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. Job Set-Up On the RMP 1, RMP 2 and RMP 3, make sure that the ON/OFF switches are at ON.
 - B. Test Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

 $\underline{\text{NOTE}}$: Do this test for the RMP 2 and RMP 3 only.

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - 4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
R 551-599, 701-749,
Post SB 23-1184 For A/C 432-450,481-499,
R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
R 701-749,

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

- B. If the tests give these two maintenance messages
 RMP1(1RG1)/RMP2(1RG2)
 RMP1(1RG1)/RMP3(1RG3):
 - do a check of the circuit breaker (2RG1) status.
 - (1) If the circuit breaker (2RG1) is closed:
 - do a check for 28VDC at pin A/N of the RMP 1 (1RG1) (Ref. ASM 23-13/01).
 - (a) If there is 28VDC:
 - 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).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin A/R of the RMP 1 (1RG1)
 (Ref. ASM 23-13/01).
 - 1 If there is no ground signal:
 - repair the wiring between the RMP 1 (1RG1) pin A/R and the ground terminal (Ref. ASM 23-13/01).
 - 2 If there is a ground signal:
 - do a check of the wiring between the RMP 1 pin A/N and the circuit breaker (2RG1) (Ref. ASM 23-13/01).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker (2RG1).

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (2) If the circuit breaker (2RG1) is open:
 close it.
 - (a) If it opens again:
 - replace the RMP 1 (1RG1) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - 1 If the fault continues:
 - do a check for a short to ground at the wiring between the RMP 1 (1RG1) pin A/N and the circuit breaker (2RG1) (Ref. ASM 23-13/01).
 - <u>a</u> If there is a short to ground:repair the related wiring.
 - <u>b</u> If there is no short to ground:replace the C/B-COM/RMP/1 (2RG1).
 - (b) If the circuit breaker stays closed and the fault continues:
 replace the RMP 1 (1RG1) (Ref. AMM TASK 23-13-13-000-001) and
 (Ref. AMM TASK 23-13-13-400-001).
- C. Do the tests given in Para. 3.B.

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R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-13-00-810-825

Failure of the RMP 2 (RMP 1 and RMP 3 Sources)

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - wiring
 - C/B-COM NAV/RMP/2 (2RG2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-13-00-740-001	BITE Test of the Radio Management	
AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>	
ASM	23-13/01	,	

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. Job Set-Up On the RMP 1, RMP 2 and RMP 3, make sure that the ON/OFF switches are at ON.
 - B. Test Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

 $\underline{\text{NOTE}}$: Do this test for the RMP 1 and RMP 3 only.

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

4. Fault Isolation

121VU COM NAV/RMP/2

R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
R 551-599, 701-749,
Post SB 23-1184 For A/C 432-450,481-499,
R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
R 701-749,

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

PANEL DESIGNATION IDENT. LOCATION

B. If the tests give these two maintenance messages RMP2(1RG2)/RMP1(1RG1)

RMP2(1RG2)/RMP3(1RG3):

- do a check of the circuit breaker (2RG2) status.
- (1) If the circuit breaker (2RG2) is closed:
 - do a check for 28VDC at pin A/N of the RMP 2 (1RG2) (Ref. ASM 23-13/01).
 - (a) If there is 28VDC:
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin A/R of the RMP 2 (1RG2)
 (Ref. ASM 23-13/01).
 - 1 If there is no ground signal:
 - repair the wiring between the RMP 2 (1RG2) pin A/R and the ground terminal (Ref. ASM 23-13/01).
 - 2 If there is a ground signal:
 - do a check of the wiring between the RMP 2 pin A/N and the circuit breaker (2RG2) (Ref. ASM 23-13/01).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker (2RG2).

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2RG2

L02

- (2) If the circuit breaker (2RG2) is open:
 close it.
 - (a) If it opens again:
 - replace the RMP 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - 1 If the fault continues:
 - do a check for a short to ground at the wiring between the RMP 2 (1RG2) pin A/N and the circuit breaker (2RG2) (Ref. ASM 23-13/01).
 - <u>a</u> If there is a short to ground:repair the related wiring.
 - b If there is no short to ground:
 replace the C/B-COM NAV/RMP/2 (2RG2).
 - (b) If the circuit breaker stays closed and the fault continues:
 replace the RMP 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and
 (Ref. AMM TASK 23-13-13-400-001).
- C. Do the tests given in Para. 3.B.

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R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-13-00-810-826

Loss of the RMP 1 Data on the Bus 1

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM 23-1	13-00-740-001	BITE Test of the Radio Management
AMM 23-1	13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM 23-1	13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>
ASM 23-1	13/01	

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. Job Set-up On the RMP 1 , RMP 2 and RMP 3, make sure that the ON/OFF switches are at ON.
 - B. Test
 - (1) Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

 $\underline{\text{NOTE}}$: Do this test for the RMP 2 and RMP 3 only.

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. If the tests give these two maintenance messages
 RMP1(1RG1)/RMP2(1RG2)
 RMP1(1RG1)/RMP3(1RG3):
 - 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).
 - (1) If the fault continues:
 - do a check and repair the wiring of the DIALOGUE OUTPUT signal, (from RMP 1 (1RG1) pins A/BB, CC to the first terminal block) (Ref. ASM 23-13/01).
 - B. Do the test given in Para. 3.B.

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R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-13-00-810-827

Loss of the RMP 2 Data on the Bus 1

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-13-00-740-001	BITE Test of the Radio Management
AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>
ASM	23-13/01	

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. Job Set-up On the RMP 1, RMP 2 and RMP 3, make sure that the ON/OFF switches are at ON.
 - B. Test
 - (1) Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

NOTE: Do this test for the RMP 1 and RMP 3 only.

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. If the tests give these two maintenance messages
 RMP2(1RG2)/RMP1(1RG1)
 RMP2(1RG2)/RMP3(1RG3):
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of the DIALOGUE OUTPUT signal, (from RMP 2 (1RG2) pins A/BB, CC to the first terminal block) (Ref. ASM 23-13/01).
 - B. Do the test given in Para. 3.B.

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R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-13-00-810-828

Loss of the RMP 3 Data on the Bus 3

- 1. Possible Causes
 - RMP-COM FREQ SEL, 3 (1RG3)
 - wiring
 - C/B COM NAV/RMP/3 (2RG3)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-13-00-740-001	BITE Test of the Radio Management
AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>
ASM	23-13/01	

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. Job Set-up On the RMP 1, RMP 2 and RMP 3, make sure that the ON/OFF switches are at ON.
 - B. Test Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

NOTE: Do this test for the RMP 1 and RMP 2 only.

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
R 551-599, 701-749,
Post SB 23-1184 For A/C 432-450,481-499,
R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
R 701-749,

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

PANEL DESIGNATION

IDENT. LOCATION

**ON A/C 251-251, 503-549, 551-599,

121VU COM NAV/RMP/3

2RG3 L03

R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
R 551-599, 701-749,
Post SB 23-1184 For A/C 432-450,481-499,
R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
R 701-749,

- B. If the tests give these two maintenance messages
 RMP3(1RG3)/RMP1(1RG1)
 RMP3(1RG3)/RMP2(1RG2):
 - do a check of the circuit breaker (2RG3) status.
 - (1) If the circuit breaker (2RG3) is closed:
 do a check for 28VDC at pin A/N of the RMP 3 (1RG3) (Ref. ASM 2313/01).
 - (a) If there is 28VDC:
 - replace the RMP-COM FREQ SEL, 3 (1RG3) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - 1 If the fault continues:
 - do a check and repair the wiring of the DIALOGUE OUTPUT signal, (from the RMP 3 (1RG3) pins A/BB, CC to the first terminal block) (Ref. ASM 23-13/01).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin A/R of the RMP 3 (1RG3)
 (Ref. ASM 23-13/01).

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- 1 If there is no ground signal:
 - repair the wiring between RMP 3, pin A/R and the ground terminal (Ref. ASM 23-13/01).
- 2 If there is a ground signal:
 - do a check of the wiring between RMP, pin A/N and the circuit breaker (2RG3) (Ref. ASM 23-13/01).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker (2RG3).
- (2) If the circuit breaker (2RG3) is open:
 close it.
 - (a) If it opens again:
 - replace the RMP 3 (1RG3) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - 1 If the fault continues:
 - do a check for a short to ground at the wiring between the RMP 3 (1RG3) pin A/N and the circuit breaker (2RG3) (Ref. ASM 23-13/01).
 - <u>a</u> If there is a short to ground:repair the related wiring.
 - <u>b</u> If there is no short to ground:
 replace the C/B COM NAV/RMP/3 (2RG3).
 - (b) If the circuit breaker stays closed and the fault continues: - replace the RMP 3 (1RG3) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
- C. Do the test given in Para. 3.B.

TROUBLE SHOOTING MANUAL

R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-13-00-810-829

Failure of One of the Three RMPs: The RMP 1

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring
 - C/B-COM/RMP/1 (2RG1)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-13-00-740-001	BITE Test of the Radio Management
AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>
ASM	23-13/01	,

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. Job Set-Up On the RMP 1, RMP 2 and RMP 3, make sure that the ON/OFF switches are at ON.
 - B. Test Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

 $\underline{\text{NOTE}}$: Do this test for the RMP 1, RMP 2 and RMP 3.

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
R 551-599, 701-749,
Post SB 23-1184 For A/C 432-450,481-499,
R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
R 701-749,

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

B. If the tests give these three maintenance messages
 RMP1(1RG1)
 RMP1(1RG1)/RMP2(1RG2)

RMP1(1RG1)/RMP3(1RG3):

- do a check of the circuit breaker (2RG1) status.
- (1) If the circuit breaker (2RG1) is closed:
 - do a check for 28VDC at pin A/N of the RMP 1 (1RG1) (Ref. ASM 23-13/01).
 - (a) If there is 28VDC:
 - 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).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin A/R of the RMP 1 (1RG1)
 (Ref. ASM 23-13/01).
 - 1 If there is no ground signal:
 - repair the wiring between the RMP 1 (1RG1) pin A/R and the ground terminal (Ref. ASM 23-13/01).
 - 2 If there is a ground signal:
 - do a check of the wiring between the RMP 1 (1RG1) pin A/N and the circuit breaker (2RG1) (Ref. ASM 23-13/01).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker (2RG1).

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (2) If the circuit breaker (2RG1) is open:
 close it.
 - (a) If it opens again:
 - replace the RMP 1 (1RG1) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - 1 If the fault continues:
 - do a check for a short to ground at the wiring between the RMP 1 (1RG1) pin A/N and the circuit breaker (2RG1) (Ref. ASM 23-13/01).
 - <u>a</u> If there is a short to ground:repair the related wiring.
 - <u>b</u> If there is no short to ground:replace the C/B-COM/RMP/1 (2RG1).
 - (b) If the circuit breaker stays closed and the fault continues:
 replace the RMP 1 (1RG1) (Ref. AMM TASK 23-13-13-000-001) and
 (Ref. AMM TASK 23-13-13-400-001).
- C. Do the test given in Para. 3.B.

TROUBLE SHOOTING MANUAL

R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-13-00-810-830

Failure of One of the Three RMPs: The RMP 2

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - wiring
 - C/B-COM NAV/RMP/2 (2RG2)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-13-00-740-001	BITE Test of the Radio Management
AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>
ASM	23-13/01	

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. Job Set-Up On the RMP 1, RMP 2 and RMP 3, make sure that the ON/OFF switches are at ON.
 - B. Test Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

 $\underline{\text{NOTE}}$: Do this test for the RMP 1, RMP 2 and RMP 3.

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
R 551-599, 701-749,
Post SB 23-1184 For A/C 432-450,481-499,
R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
R 701-749,

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

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/RMP/2

2RG2 L02

B. If the tests give these three maintenance messages RMP2(1RG2)

RMP2(1RG2)/RMP1(1RG1)

RMP2(1RG2)/RMP3(1RG3):

- do a check of the circuit breaker (2RG2) status.
- (1) If the circuit breaker (2RG2) is closed:
 - do a check for 28VDC at pin A/N of the RMP 2 (1RG2) (Ref. ASM 23-13/01).
 - (a) If there is 28VDC:
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin A/R of the RMP 2 (1RG2)
 (Ref. ASM 23-13/01).
 - 1 If there is no ground signal:
 - repair the wiring between the RMP 2 (1RG2) pin A/R and the ground terminal (Ref. ASM 23-13/01).
 - 2 If there is a ground signal:
 - do a check of the wiring between the RMP 2 (1RG2) pin A/N and the circuit breaker (2RG2) (Ref. ASM 23-13/01).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker (2RG2).

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- (2) If the circuit breaker (2RG2) is open:
 close it.
 - (a) If it opens again:
 - replace the RMP 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - 1 If the fault continues:
 - do a check for a short to ground at the wiring between the RMP 2 (1RG2) pin A/N and the circuit breaker (2RG2) (Ref. ASM 23-13/01).
 - <u>a</u> If there is a short to ground:repair the related wiring.
 - b If there is no short to ground:
 replace the C/B-COM NAV/RMP/2 (2RG2).
 - (b) If the circuit breaker stays closed and the fault continues:
 replace the RMP 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and
 (Ref. AMM TASK 23-13-13-400-001).
- C. Do the test given in Para. 3.B.

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R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-13-00-810-831

Failure of One of the Three RMPs: The RMP 3

- 1. Possible Causes
 - RMP-COM FREQ SEL, 3 (1RG3)
 - wiring
 - C/B-COM NAV/RMP/3 (2RG3)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-13-00-740-001	BITE Test of the Radio Management
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)
ASM	23-13/01	

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. Job Set-Up On the RMP 1, RMP 2 and RMP 3, make sure that the ON/OFF switches are at ON.
 - B. Test Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

NOTE: Do this test for the RMP 1, RMP 2 and RMP 3.

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
R 551-599, 701-749,
Post SB 23-1184 For A/C 432-450,481-499,
R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
R 701-749,

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

PANEL DESIGNATION

IDENT. LOCATION

**ON A/C 251-251, 503-549, 551-599,

121VU COM NAV/RMP/3

2RG3 L03

R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
R 551-599, 701-749,
Post SB 23-1184 For A/C 432-450,481-499,
R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
R 701-749,

B. If the tests give these three maintenance messages
 RMP3(1RG3)
 RMP3(1RG3)/RMP2(1RG2)

RMP3(1RG3)/RMP1(1RG1):

- do a check of the circuit breaker (2RG3) status.
- (1) If the circuit breaker (2RG3) is closed:
 do a check for 28VDC at pin A/N of the RMP 3 (1RG3) (Ref. ASM 23-
 - 13/01).
 - (a) If there is 28VDC:
 - replace the RMP-COM FREQ SEL, 3 (1RG3) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (b) If there is no 28VDC:
 - do a check for a ground signal at pin A/R of the RMP 3 (1RG3)
 (Ref. ASM 23-13/01).
 - 1 If there is no ground signal:
 - repair the wiring between the RMP 3 (1RG3) pin A/R and the ground terminal (Ref. ASM 23-13/01).

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- 2 If there is a ground signal:
 - do a check of the wiring between the RMP 3 (1RG3) pin A/N and the circuit breaker (2RG3) (Ref. ASM 23-13/01).
 - <u>a</u> If there is no continuity:repair the above wiring.
 - <u>b</u> If there is continuity:replace the circuit breaker (2RG3).
- (2) If the circuit breaker (2RG3) is open:
 close it.
 - (a) If it opens again:
 - replace the RMP 3 (1RG3) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - 1 If the fault continues:
 - do a check for a short to ground at the wiring between the RMP 3 (1RG3) pin A/N and the circuit breaker (2RG3) (Ref. ASM 23-13/01).
 - <u>a</u> If there is a short to ground:repair the related wiring.
 - <u>b</u> If there is no short to ground:replace the C/B-COM NAV/RMP/3 (2RG3).
 - (b) If the circuit breaker stays closed and the fault continues: - replace the RMP 3 (1RG3) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
- C. Do the test given in Para. 3.B.

TROUBLE SHOOTING MANUAL

R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-13-00-810-832

Loss of the RMP 2 Data by the RMP 1

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-13-00-740-001	BITE Test of the Radio Management
AMM 23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM 23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>
ASM 23-13/01	

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. Job Set-up On the RMP 1 and RMP 2 only, make sure that the ON/OFF switches are at ON.
 - B. Test
 - (1) Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

 \underline{NOTE} : Do this test for the RMP 1 only.

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - - (1) If the fault continues:
 - do a check and repair the wiring of the DIALOGUE INPUT signal, (from the RMP 1 (1RG1) pins A/<X, <Y to the first terminal block) (Ref. ASM 23-13/01).
 - B. Do the test given in Para. 3.B.

TROUBLE SHOOTING MANUAL

R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-13-00-810-833

Loss of the RMP 1 Data by the RMP 2

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-13-00-740-001	BITE Test of the Radio Management
AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>
ASM	23-13/01	

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - A. Job Set-up On the RMP 1 and RMP 2 only, make sure that the ON/OFF switches are at ON.
 - B. Test
 - (1) Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

 \underline{NOTE} : Do this test for the RMP 2 only.

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

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- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,
 - - (1) If the fault continues:
 - do a check and repair the wiring of the DIALOGUE INPUT signal, (from the RMP 2 (1RG2) pins A/<Z, AA to the first terminal block) (Ref. ASM 23-13/01).
 - B. Do the test given in Para. 3.B.

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 23-13-00-810-843

Action on Double Arrow Pushbutton Switch of the RMP 1 Inoperative

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION			
AMM 23-13-00-710-001	Operational Test of the Radio Management			
AMM 23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)			
AMM 23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>			

3. Fault Confirmation

A. Test

Do the operational test of the radio management (Ref. AMM TASK 23-13-00-710-001).

NOTE: Do this test for the RMP 1 only.

4. Fault Isolation

- A. If the frequency indication does not go from a display window to the other on the RMP 1:
 - 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).
- B. Do the test given in Para. 3.

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ALL

TROUBLE SHOOTING MANUAL

TASK 23-13-00-810-844

Action on Double Arrow Pushbutton Switch of the RMP 2 Inoperative

1. Possible Causes

- RMP-COM/NAV FREQ SEL, 2 (1RG2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-13-00-710-001	Operational Test of the Radio Management
AMM 23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM 23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>

3. Fault Confirmation

A. Test

Do the operational test of the radio management (Ref. AMM TASK 23-13-00-710-001).

NOTE: Do this test for the RMP 2 only.

4. Fault Isolation

- A. If the frequency indication does not go from a display window to the other on the RMP 2:
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
- B. Do the test given in Para. 3.

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EFF:

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TROUBLE SHOOTING MANUAL

R **ON A/C 251-251, 503-549, 551-599,

TASK 23-13-00-810-845

Action on Double Arrow Pushbutton Switch of the RMP 3 Inoperative

- 1. Possible Causes
 - RMP-COM FREQ SEL, 3 (1RG3)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-13-00-710-001 AMM 23-13-13-000-001	Operational Test of the Radio Management 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)

3. Fault Confirmation

A. Test

Do the operational test of the radio management (Ref. AMM TASK 23-13-00-710-001).

NOTE: Do this test for the RMP 3 only.

4. Fault Isolation

- A. If the frequency indication does not go from a display window to the other on the RMP 3:
 - replace the RMP-COM FREQ SEL, 3 (1RG3) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
- B. Do the test given in Para. 3.

251-251, 503-549, 551-599,

23-13-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 23-13-00-810-846

Loss of the RMP 1 Data on the Bus 2 (CFDIU Source)

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
R	AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
R	AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>	
	AMM ASM	31-32-00-869-002 23-13/02	Procedure for Class 3 Faults Reading	
	A 311	23 13/02		

- 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. Job Set-up On the RMP 1 only, make sure that the ON/OFF switch is at ON.
- C. Test On the CFDS MENU page, get access to the AVIONICS STATUS page (Ref. AMM TASK 31-32-00-869-002).

EFF: ALL 23-13-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the test gives the maintenance message NO RMP 1 DATA:
 - 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).
 - (1) If the fault continues:
 - do a check and repair the wiring of the COM 1 DATA OUTPUT signal, (from RMP 1 (1RG1) pins A/<P, <Q to the first terminal block) (Ref. ASM 23-13/02).
- B. Do the test given in Para. 3.C.

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TROUBLE SHOOTING MANUAL

TASK 23-13-00-810-847

Loss of the BUS 1 Data from the CFDIU to the RMP 1

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-13-00-740-001	BITE Test of the Radio Management
AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>
ASM	31-32/02	

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

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

**ON A/C ALL

B. Test

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

NOTE: Do this test for the RMP 1 only.

EFF: ALL 23-13-00

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TROUBLE SHOOTING MANUAL

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 RMP-COM/NAV FREQ SEL, 1 (1RG1) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of the BUS 1 OUTPUT signal, (from RMP 1 (1RG1) pins A/A, B to the first terminal block)(Ref. ASM 31-32/02).

**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 RMP-COM/NAV FREQ SEL, 1 (1RG1) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of the BUS 1 OUTPUT signal, (from RMP 1 (1RG1) pins A/A, B 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 23-13-00

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TASK 23-13-00-810-850

Loss of the Reception of the FMGC 1 OWN CB 1 Bus by the RMP 1

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-13-00-740-001	BITE Test of the Radio Management
AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>
ASM	23-13/01	

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

PANEL	DESIGNATION	IDENT.	LOCATION
	AUTO FLT/FMGC/1	1NCA1	RN2

- B. Test
 - (1) Do the BITE test of the radio management (Ref. AMM TASK 23-13-00-740-001) and read the result for the RMP 1.
- 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 FMGC1: - 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).
 - (1) If the fault continues:
 - do a check and repair the wiring of the DATA FROM FMGC signal, (from the RMP 1 (1RG1) pins A/DD, EE to the first terminal block) (Ref. ASM 23-13/01).

EFF: ALL **SROS**

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TROUBLE SHOOTING MANUAL

**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,

- - (1) If the fault continues:
 - do a check and repair the wiring of the DATA FROM FMGC signal, (from the RMP 1 (1RG1) pins A/DD, EE to the first terminal block) (Ref. ASM 23-13/01).

**ON A/C ALL

B. Do the test given in Para. 3.

EFF: ALL

23-13-00

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TROUBLE SHOOTING MANUAL

TASK 23-13-00-810-851

Loss of the Reception of the FMGC 2 OWN CB 1 Bus by the RMP 2

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-13-00-740-001	BITE Test of the Radio Management
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)
ASM	23-13/01	

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

PANEL	DESIGNATION	IDENT.	LOCATION
	AUTO FLT/FMGC/2	10042	M17

B. Test

SROS

- (1) Do the BITE test of the radio management (Ref. AMM TASK 23-13-00-740-001) and read the result for the RMP 2.
- 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 RMP2: NO DATA FROM FMGC2:
 replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring of the DATA FROM FMGC signal, (from the RMP 2 (1RG2) pins A/DD, EE to the first terminal block) (Ref. ASM 23-13/01).

EFF: ALL 23-13-00

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TROUBLE SHOOTING MANUAL

**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,

- - (1) If the fault continues:
 - do a check and repair the wiring of the DATA FROM FMGC signal, (from the RMP 2 (1RG2) pins A/DD, EE to the first terminal block) (Ref. ASM 23-13/01).

**ON A/C ALL

B. Do the test given in Para. 3.

EFF: ALL 23-13-00

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TASK 23-13-00-810-852

Failure of the RMP 1

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 23-13-00-740-001	BITE Test of the Radio Management	
AMM 23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
AMM 23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>	
ASM 23-13/01		

- 3. Fault Confirmation
 - A. Job Set-Up On the RMP 1 and RMP 2 only, make sure that the ON/OFF switches are at ON.
 - B. Test Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

NOTE: Do this test for the RMP 1 and RMP 2.

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-250, 276-299, 426-431, 476-480, 701-749,
 - A. If the tests give the two maintenance messages

RMP 1: NO DATA FROM RMP 1

RMP 2: NO DATA FROM RMP 1:

- 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).
- (1) If the fault continues:
 - do a check and repair the wiring between the RMP1 pin A/N and the circuit breaker 1RG1 (Ref. ASM 23-13/01).

EFF: ALL **SROS**

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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 tests give the two maintenance messages RMP1(1RG1)
 - RMP1(1RG1)/RMP2(1RG2):
 - 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).
 - (1) If the fault continues:
 - do a check and repair the wiring between the RMP1 pin A/N and the circuit breaker 1RG1 (Ref. ASM 23-13/01).

**ON A/C ALL

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

EFF: ALL 23-13-00

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TROUBLE SHOOTING MANUAL

TASK 23-13-00-810-853

Failure of the RMP 2

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-13-00-740-001	BITE Test of the Radio Management
AMM	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>
ASM	23-13/01	

- 3. Fault Confirmation
 - A. Job Set-Up On the RMP 1 and RMP 2 only, make sure that the ON/OFF switches are at ON.
 - B. Test Do the BITE test of the Radio Management (Ref. AMM TASK 23-13-00-740-001).

NOTE: Do this test for the RMP 1 and RMP 2.

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-250, 276-299, 426-431, 476-480, 701-749,
 - A. If the tests give the two maintenance messages

RMP 1 : NO DATA FROM RMP 2

RMP 2: NO DATA FROM RMP 2:

- replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
- (1) If the fault continues:
 - do a check and repair the wiring between the RMP2 pin A/N and the circuit breaker 2RG1 (Ref. ASM 23-13/01).

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 tests give the two maintenance messages RMP2(1RG2)
 - RMP2(1RG2)/RMP1(1RG1):
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring between the RMP2 pin A/N and the circuit breaker 2RG1 (Ref. ASM 23-13/01).

**ON A/C ALL

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

EFF: ALL 23-13-00

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R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-13-00-810-854

Failure of the RMP 1

1. Possible Causes

R R

SROS

- RMP-COM/NAV FREQ SEL, 1 (1RG1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 23-13-00-740-001	BITE Test of the Radio Management	
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)	
3. Fault Confirmation		
**ON A/C 201-225, 227-2 551-599, 701-749, Post SB 23-1184 For A/	227, 229-251, 276-299, 426-450, 476-499, 503-549, C 432-450,481-499,	

A. Job Set-Up On the RMP 1, RMP 2 and RMP 3, make sure that the ON/OFF switches are at ON.

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

B. Test

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

NOTE: Do this test for the RMP 1, RMP 2 and RMP 3.

701-749,

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

23-13-00

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- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,

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

TROUBLE SHOOTING MANUAL

R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,

TASK 23-13-00-810-855

Failure of the RMP 2

- 1. Possible Causes
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION		
AMM 23-13-00-740-001	BITE Test of the Radio Management		
AMM 23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)		
AMM 23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>		
3. Fault Confirmation			
**ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749, Post SB 23-1184 For A/C 432-450,481-499,			

A. Job Set-Up
On the RMP 1, RMP 2 and RMP 3, make sure that the ON/OFF switches are at
ON.

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

B. Test

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

NOTE: Do this test for the RMP 1, RMP 2 and RMP 3.

701-749,

EFF: 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, 551-599, 701-749,

23-13-00

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R R

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- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
 R 551-599, 701-749,
 Post SB 23-1184 For A/C 432-450,481-499,
 R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
 R 701-749,

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

23-13-00

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 23-13-00-810-856

LGCIU1/RMP1 interface fault

- 1. Possible Causes
 - LGCIU-1 (5GA1)
 - RMP-COM/NAV FREQ SEL, 1 (1RG1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMN	1 23-13-00-740-001	BITE Test of the Radio Management	
	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
AMI	1 23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>	
AMN	4 32-31-71-000-001	Removal of the LGCIU (5GA1, 5GA2)	
AMN	4 32-31-71-400-001	Installation of the LGCIU (5GA1, 5GA2)	
ASI	1 23-13/00	ŕ	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the BITE test of the RMP (Ref. AMM TASK 23-13-00-740-001).

R NOTE: If the BITE test of the RMP passes, i.e. if the test is OK, the RMP is operational, therefore should not be removed. Refer to TFU 23.13.00.023.

- 4. Fault Isolation
- R A. If the test gives the maintenance message LGCIU1(5GA1)/RMP1(1RG1):
 - Replace the LGCIU-1 (5GA1) (Ref. AMM TASK 32-31-71-000-001) and (Ref. AMM TASK 32-31-71-400-001).
- R (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).

R

EFF: ALL 23-13-00

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R (2) If the fault continues:
R - Remove the LGCIU-1 (5)

- Remove the LGCIU-1 (5GA1) (Ref. AMM TASK 32-31-71-000-001).
- Remove the RMP-COM/NAV FREQ SEL, 1 (1RG1) (Ref. AMM TASK 23-13-13-000-001)
- Do a check and repair the wiring of the GROUND AIR DISCRET INPUT signal from AB/7E of the LGCIU1 to pin A/<E of the RMP1 (Ref. ASM 23-13/00).
- Install the RMP-COM/NAV FREQ SEL, 1 (1RG1) (Ref. AMM TASK 23-13-13-400-001).
- Install the LGCIU-1 (5GA1) (Ref. AMM TASK 32-31-71-400-001).
- B. Do the test given in para. 3.

EFF: ALL

23-13-00

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TROUBLE SHOOTING MANUAL

TASK 23-13-00-810-857

LGCIU2/RMP2 interface fault

- 1. Possible Causes
 - LGCIU-2 (5GA2)
 - RMP-COM/NAV FREQ SEL, 2 (1RG2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM 23-13	3-00-740-001	BITE Test of the Radio Management	
AMM 23-13	3-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
AMM 23-13	3-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>	
AMM 32-3	1-71-000-001	Removal of the LGCIU (5GA1, 5GA2)	
AMM 32-3	1-71-400-001	Installation of the LGCIU (5GA1, 5GA2)	
ASM 23-13	3/00		

- 3. Fault Confirmation
 - A. Test

R

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

NOTE: If the BITE test of the RMP passes, i.e. if the test result is OK, the RMP is operational, therefore should not be removed.

Refer to TFU 23.13.00.023.

- 4. Fault Isolation
 - A. If the test gives the maintenance message LGCIU1(5GA1)/RMP1(1RG1):
 - Replace the LGCIU-2 (5GA2) (Ref. AMM TASK 32-31-71-000-001) and (Ref. AMM TASK 32-31-71-400-001).
 - (1) If the fault continues:
 - Replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).

EFF: ALL 23-13-00

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- (2) If the fault continues:
 - Remove the LGCIU-2 (5GA2) (Ref. AMM TASK 32-31-71-000-001)
 - Remove the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001)
 - Do a check and repair the wiring of the GROUND AIR DISCRET INPUT signal from AB/7C of the LGCIU2 to pin A/<E of the RMP2 (Ref. ASM 23-13/00).
 - Install the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-400-001).
 - Install the LGCIU-2 (5GA2) (Ref. AMM TASK 32-31-71-400-001).
- B. Do the test given in para. 3.

EFF: ALL 23-13-00

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TROUBLE SHOOTING MANUAL

TASK 23-13-00-810-858

LGCIU2/RMP3 interface fault

- 1. Possible Causes
 - LGCIU-2 (5GA2)
 - RMP-COM FREQ SEL, 3 (1RG3)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-13-00-740-001	BITE Test of the Radio Management
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 32-31-71-000-001	Removal of the LGCIU (5GA1, 5GA2)
AMM 32-31-71-400-001	Installation of the LGCIU (5GA1, 5GA2)
ASM 23-13/00	

- 3. Fault Confirmation
 - A. Test

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

NOTE: If the BITE test of the RMP passes, i.e. if the test result is OK, the RMP is operational, therefore should not be removed.

Refer to TFU 23.13.00.023.

- 4. Fault Isolation
 - A. If the test gives the maintenance message LGCIU1(5GA1)/RMP1(1RG1):
 - Replace the LGCIU-2 (5GA2) (Ref. AMM TASK 32-31-71-000-001) and (Ref. AMM TASK 32-31-71-400-001).
 - (1) If the fault continues:
 - Replace the RMP-COM FREQ SEL, 3 (1RG3) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).

EFF: ALL 23-13-00

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- (2) If the fault continues:
 - Remove the LGCIU-2 (5GA2) (Ref. AMM TASK 32-31-71-000-001)
 - Remove the RMP-COM FREQ SEL, 3 (1RG3) (Ref. AMM TASK 23-13-13-000-001)
 - Do a check and repair the wiring of the GROUND AIR DISCRET INPUT signal from AB/9C of the LGCIU2 to pin A/<E of the RMP3 (Ref. ASM 23-13/00).
 - Install the RMP-COM FREQ SEL, 3 (1RG3) (Ref. AMM TASK 23-13-13-400-001).
 - Install the LGCIU-2 (5GA2) (Ref. AMM TASK 32-31-71-400-001).

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R **ON A/C 201-225, 227-227, 229-251, 276-299, 426-450, 476-499, 503-549,
R 551-599, 701-749,
Post SB 23-1184 For A/C 432-450,481-499,
R Post SB 23-1188 For A/C 201-225,227-227,229-250,276-299,426-431,476-480,
R 701-749,
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B. Do the test given in para. 3.

EFF: ALL

23-13-00

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TROUBLE SHOOTING MANUAL

AIRCRAFT COMMUNICATION ADDRESSING AND REPORTING SYSTEM (ACARS) FAULT ISOLATION PROCEDURES

TASK 23-24-00-810-801

Failure of the ACARS MU

- 1. Possible Causes
 - MU-ACARS (1RB)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-24-00-740-004 AMM 23-24-34-000-001 AMM 23-24-34-400-001	BITE test of the ACARS Removal of the ACARS Management Unit (MU) (1RB) Installation of the ACARS Management Unit (MU) (1RB)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the BITE test of the ACARS (Ref. AMM TASK 23-24-00-740-004).
- 4. Fault Isolation
 - A. If the test gives the maintenance message ACARS MU (1RB):
 replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref.
 AMM TASK 23-24-34-400-001).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-802

Failure of the ACARS Pin Programming

- 1. Possible Causes
 - MU-ACARS (1RB)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFER	RENCE	DESIGNATION
AMM	23-24-00-740-004	BITE test of the ACARS
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)
ASM	23-24/01	<u> </u>

- 3. Fault Confirmation
 - A. Test
 - (1) Do the BITE test of the ACARS (Ref. AMM TASK 23-24-00-740-004).
- 4. Fault Isolation
 - A. If the test gives the maintenance message WRG: PIN PROG/ACARS MU (1RB):
 replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring .from pins AA/14B, AA/14C and AA/14G to the first terminal block .from pin AA/7D of the ACARS MU (1RB) to pin AA/11D of the ACARS MU (1RB) (Ref. ASM 23-24/01).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-803

Loss of the CFDIU Signal by the ACARS MU

- 1. Possible Causes
 - MU-ACARS (1RB)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-24-00-740-004	BITE test of the ACARS
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)
ASM	23-24/02	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the BITE test of the ACARS (Ref. AMM TASK 23-24-00-740-004).
- 4. Fault Isolation
 - A. If the test gives the maintenance message CFDIU (1TW)/ACARS MU (1RB): - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from pins AA/15J and AA/15K of the ACARS MU (1RB) to the first terminal block (Ref. ASM 23-24/02).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-804

Loss of the FMGC1 Signal by the ACARS MU

- 1. Possible Causes
 - MU-ACARS (1RB)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-24-00-740-004	BITE test of the ACARS
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)
ASM	23-24/02	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the BITE test of the ACARS (Ref. AMM TASK 23-24-00-740-004).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FMGC1(1CA1)/ACARS MU (1RB): - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from pins AB/13G and AB/13H of the ACARS MU (1RB) to the first terminal block (Ref. ASM 23-24/02).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-805

Loss of the FMGC2 Signal by the ACARS MU

- 1. Possible Causes
 - MU-ACARS (1RB)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-24-00-740-004	BITE test of the ACARS
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)
ASM	23-24/02	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the BITE test of the ACARS (Ref. AMM TASK 23-24-00-740-004).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FMGC2(1CA2)/ACARS MU (1RB): replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from pins AB/13J and AB/13K of the ACARS MU (1RB) to the first terminal block (Ref. ASM 23-24/02).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-806

Loss of the MCDU1 Signal by the ACARS MU

- 1. Possible Causes
 - MU-ACARS (1RB)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFEREN	CE 	DESIGNATION	
AMM 23		BITE test of the ACARS Removal of the ACARS Management Unit (MU) (1RB) Installation of the ACARS Management Unit (MU) ((1PR)
ASM 23		The carraction of the Roaks hanagement sinte (no)	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the BITE test of the ACARS (Ref. AMM TASK 23-24-00-740-004).
- 4. Fault Isolation
 - A. If the test gives the maintenance message MCDU1(3CA1)/ACARS MU (1RB): - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from pins AB/14A and AB/14B of the ACARS MU (1RB) to the first terminal block (Ref. ASM 23-24/02).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-807

Loss of the MCDU2 Signal by the ACARS MU

- 1. Possible Causes
 - MU-ACARS (1RB)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
	27 27 00 770 007	
	23-24-00-740-004	BITE test of the ACARS
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)
ASM	23-24/02	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the BITE test of the ACARS (Ref. AMM TASK 23-24-00-740-004).
- 4. Fault Isolation
 - A. If the test gives the maintenance message MCDU2 (3CA2)/ACARS MU (1RB): - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from pins AB/14C and AB/14D of the ACARS MU (1RB) to the first terminal block (Ref. ASM 23-24/02).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-809

Loss of the Printer Signal by the ACARS MU

- 1. Possible Causes
 - MU-ACARS (1RB)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-24-00-740-004	BITE test of the ACARS
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)
ASM	23-24/02	-

- 3. Fault Confirmation
 - A. Test
 - (1) Do the BITE test of the ACARS (Ref. AMM TASK 23-24-00-740-004).
- 4. Fault Isolation
 - A. If the test gives the maintenance message PRINTER (4TW)/ACARS MU (1RB):
 replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from pins AB/12J and AB/12K of the ACARS MU (1RB) to the first terminal block (Ref. ASM 23-24/02).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-810

Loss of the SDAC1 Signal by the ACARS MU

- 1. Possible Causes
 - MU-ACARS (1RB)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-24-00-740-004	BITE test of the ACARS
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)
ASM	23-24/02	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the BITE test of the ACARS (Ref. AMM TASK 23-24-00-740-004).
- 4. Fault Isolation
 - A. If the test gives the maintenance message SDAC1 (1WV1)/ACARS MU (1RB): - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from pins AB/14E and AB/14F of the ACARS MU (1RB) to the first terminal block (Ref. ASM 23-24/02).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-811

Loss of the FWC1 Signal by the ACARS MU

- 1. Possible Causes
 - MU-ACARS (1RB)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-24-00-740-004	BITE test of the ACARS
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)
ASM	23-24/02	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the BITE test of the ACARS (Ref. AMM TASK 23-24-00-740-004).
- 4. Fault Isolation
 - A. If the test gives the maintenance message FWC1 (1WW1)/ACARS MU (1RB): - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) If the fault continues:
 - do a check and repair the wiring from pins AB/14G and AB/14H of the ACARS MU (1RB) to the first terminal block (Ref. ASM 23-24/02).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-813

Loss of the DMU Signal by the ACARS MU

- 1. Possible Causes
 - MU-ACARS (1RB)
 - DMU (1TV)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM AMM AMM AMM AMM	23-24-00-740-004 23-24-34-000-001 23-24-34-400-001 31-36-34-000-001 31-36-34-400-001 23-24/02	BITE test of the ACARS Removal of the ACARS Management Unit (MU) (1RB) Installation of the ACARS Management Unit (MU) (1RB) Removal of the Data Management Unit (DMU) (1TV) Installation of the Data Management Unit (DMU) (1TV)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the BITE test of the ACARS (Ref. AMM TASK 23-24-00-740-004).
- 4. Fault Isolation
 - A. If the test gives the maintenance message DMU (1TV)/ACARS MU (1RB):
 - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) 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).
 - (2) If the fault continues:
 - do a check and repair the wiring from pins AB/11J and AB/11K of the DMU (1TV) to pins AB/7J and AB/7K of the ACARS MU (1RB) (Ref. ASM 23-24/02).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-814

Failure of the ACARS MU

- 1. Possible Causes
 - MU-ACARS (1RB)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-24-00-710-001	Operational Test of the ACARS
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)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the ACARS (Ref. AMM TASK 23-24-00-710-001).
- 4. Fault Isolation
 - A. If the test confirms the fault:
 - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).

EFF: 201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549, 551-557, 701-749,

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TASK 23-24-00-810-815

Loss of the ACARS-MU Data Transmission

- 1. Possible Causes
 - MU-ACARS (1RB)
 - XCVR-VHF, 3 (1RC3)
 - wiring from the ACARS MU (1RB) to the VHF3 transceiver (1RC3)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-12-33-000-001	Personal of the VHE Transcrives (4DC4 4DC2 4DC7)
		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	23-24-00-710-001	Operational Test of the ACARS
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)
ASM	23-24/01	•

3. Fault Confirmation

- A. Test
 - (1) Do the operational test of the ACARS (Ref. AMM TASK 23-24-00-710-001).

NOTE: Set the frequency of the ground station.

4. Fault Isolation

- A. If the ACARS data transmission is not possible during the operational test of the ACARS:
 - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) If the fault continues:
 - replace the XCVR-VHF, 3 (1RC3) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the ACARS MU (1RB) to the VHF3 transceiver (1RC3) for the DATA TO TRANSCEIVER signal from pins AA/9A, 9B to pins AB/5A, 5B (Ref. ASM 23-24/01).
- B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-816

Loss of the Ground Data Reception by the ACARS MU

- 1. Possible Causes
 - MU-ACARS (1RB)
 - XCVR-VHF, 3 (1RC3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	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	23-24-00-710-001	Operational Test of the ACARS
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)
ASM	23-24/01	

3. Fault Confirmation

- A. Test
 - (1) Do the operational test of the ACARS (Ref. AMM TASK 23-24-00-710-001).

NOTE: Set the frequency of the ground station.

4. Fault Isolation

- A. If the ground data reception is not possible during the operational test of the ACARS:
 - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) If the fault continues:
 - replace the XCVR-VHF, 3 (1RC3) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring of the AUDIO SIDETONE OUTPUT signal from ACARS MU (1RB) pins AA/9E, 9F to the first terminal block (Ref. ASM 23-24/01).
- B. Do the test given in Para. 3.

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201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549, 551-557, 701-749,

TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-817

Loss of the SELCAL Data by the ACARS MU

- 1. Possible Causes
 - MU-ACARS (1RB)
 - XCVR-VHF, 3 (1RC3)
 - wiring from the ACARS MU (1RB) to the VHF3 transceiver (1RC3)
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	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	23-24-00-710-001	Operational Test of the ACARS
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)
ASM	23-24/01	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the ACARS (Ref. AMM TASK 23-24-00-710-001).
- 4. Fault Isolation
 - A. If the ACARS MU cannot receive the SELCAL data:
 - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) If the fault continues:
 - replace the XCVR-VHF, 3 (1RC3) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the ACARS MU (1RB) to the VHF3 transceiver (1RC3) for the SELCAL OUTPUT signal from pins AA/9C, 9D to pins AB/13A, 13B (Ref. ASM 23-24/01).
 - B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-818

ACARS Mode Inoperative

- 1. Possible Causes
 - MU-ACARS (1RB)
 - XCVR-VHF, 3 (1RC3)
 - wiring from the ACARS MU (1RB) to the VHF3 transceiver (1RC3)
- 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	23-24-00-710-001	Operational Test of the ACARS
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)
ASM	23-24/01	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the ACARS (Ref. AMM TASK 23-24-00-710-001).
- 4. Fault Isolation
 - A. If the VHF3 cannot operate in DATA mode during the operational test of the ACARS:
 - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) If the fault continues:
 - replace the XCVR-VHF, 3 (1RC3) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the ACARS MU (1RB) to the VHF3 transceiver (1RC3) for the VOICE/DATA SELECT discrete from pins AA/7E, 7F to pin AB/7C (Ref. ASM 23-24/01).
 - B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-819

Failure of the ACARS Communication

- 1. Possible Causes
 - MU-ACARS (1RB)
 - XCVR-VHF, 3 (1RC3)
 - wiring from the ACARS MU (1RB) to the VHF3 transceiver (1RC3)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-12-33-000-001	Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3)
	23-12-33-400-001	Installation of the VHF Transceiver (1RC1, 1RC2, 1RC3)
AMM	23-24-00-710-001	Operational Test of the ACARS
AMM	23-24-34-000-001	Removal of the ACARS Management Unit (MU) (1RB)
AMM ASM	23-24-34-400-001 23-24/01	Installation of the ACARS Management Unit (MU) (1RB)

3. Fault Confirmation

- A. Test
 - (1) Do the operational test of the ACARS (Ref. AMM TASK 23-24-00-710-001).

NOTE : Set the frequency of the ground station for communication with the aircraft.

4. Fault Isolation

- A. If the communication through the ACARS with the ground station is inoperative during the operational test:
 - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) If the fault continues:
 - replace the XCVR-VHF, 3 (1RC3) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring from the ACARS MU (1RB) to the VHF3 transceiver (1RC3) for the DATA KEYLINE discrete from pins AA/5H, 7K to pins AB/7D, 8D (Ref. ASM 23-24/01).

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.

EFF: 201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549, 551-557, 701-749,

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TASK 23-24-00-810-820

Loss of the Frequency Control by the ACARS MU

- 1. Possible Causes
 - MU-ACARS (1RB)
 - XCVR-VHF, 3 (1RC3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-12-33-000-001	Personal of the VHE Transcrives (4DC4 4DC2 4DC7)
		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	23-24-00-710-001	Operational Test of the ACARS
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)
ASM	23-24/01	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the ACARS (Ref. AMM TASK 23-24-00-710-001).
- 4. Fault Isolation
 - A. If, during the operational test, the ACARS cannot control the VHF3 frequency through an RMP:
 - replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) If the fault continues:
 - do a check for a ground signal at pin AA/7C of the ACARS MU (1RB) (Ref. ASM 23-24/01).
 - (a) If there is no ground signal:
 - repair the wiring of the DFS PORT SELECT DISCRETE from the ACARS MU (1RB) to the first terminal block (Ref. ASM 23-24/01).
 - (b) If there is a ground signal:
 - replace the XCVR-VHF, 3 (1RC3) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).

EFF: 201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549, 551-557, 701-749,

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- 1 If the fault continues:
 - do a check and repair the wiring of the DIGITAL FREQUENCY SELECTION DATA from ACARS MU (1RB) pins AA/7A, 7B to VHF3 transceiver (1RC3) pins AB/11A, 11B (Ref. ASM 23-24/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-821

Loss of the Frequency Control by the ACARS MU on the RMP1

1. Possible Causes

- 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	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>	
AMM 23-24-00-710-001 ASM 23-24/01	Operational Test of the ACARS	

3. Fault Confirmation

- A. Test
 - (1) Do the operational test of the ACARS (Ref. AMM TASK 23-24-00-710-001).

4. Fault Isolation

- A. If, during the operational test, the ACARS cannot control the VHF3 frequency through the RMP1 only:
 - 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).
 - (1) If the fault continues:
 - repair the wiring of the DFS PORT SELECT DISCRETE from RMP1 (1RG1) pin A/F to the first terminal block (Ref. ASM 23-24/01).
- B. Do the test given in Para. 3.

TROUBLE SHOOTING MANUAL

TASK 23-24-00-810-822

Loss of the Frequency Control by the ACARS MU on the RMP2

1. Possible Causes

- RMP-COM/NAV FREQ SEL, 2 (1RG2)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-13-13-000-	OO1 Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM 23-13-13-400-	OO1 Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)
AMM 23-24-00-710- ASM 23-24/01	001 Operational Test of the ACARS

3. Fault Confirmation

- A. Test
 - (1) Do the operational test of the ACARS (Ref. AMM TASK 23-24-00-710-001).

4. Fault Isolation

- A. If, during the operational test, the ACARS cannot control the VHF3 frequency through the RMP2 only:
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (1) If the fault continues:
 - repair the wiring of the DFS PORT SELECT DISCRETE from RMP2 (1RG2) pin A/F to the first terminal block (Ref. ASM 23-24/01).
- B. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

R **ON A/C 503-549, 551-557,

TASK 23-24-00-810-823

Loss of the Frequency Control by the ACARS MU on the RMP3

- 1. Possible Causes
 - RMP-COM FREQ SEL, 3 (1RG3)
 - 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 23-24-00-710-001 ASM 23-24/01	Operational Test of the ACARS	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the ACARS (Ref. AMM TASK 23-24-00-710-001).
- 4. Fault Isolation
 - A. If, during the operational test, the ACARS cannot control the VHF3 frequency through the RMP3 only:
 - replace the RMP-COM FREQ SEL, 3 (1RG3) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (1) If the fault continues:
 - repair the wiring of the DFS PORT SELECT DISCRETE from RMP3 (1RG3) pin A/F to the first terminal block (Ref. ASM 23-24/01).
 - B. Do the test given in Para. 3.

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EFF: 503-549, 551-557,

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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 23-24-00-810-824

Loss of the ACARS MU/VHF3 Interface

1. Possible Causes

- XCVR-VHF, 3 (1RC3)
- MU-ACARS (1RB)
- RMP-COM/NAV FREQ SEL, 2 (1RG2)
- wiring between the ACARS MU and the VHF 3 transceiver
- wiring from the RMP 2 to the VHF 3 transceiver

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-12-00-740-001	BITE Test of the VHF System	
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	23-13-13-000-001	Removal of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)	
AMM	23-13-13-400-001	<pre>Installation of the Radio Management Panel (RMP) (1RG1, 1RG2, 1RG3)</pre>	
AMM	23-24-34-000-001	Removal of the ACARS Management Unit (MU) (1RB)	
AMM ASM	23-24-34-400-001 23-24/01	Installation of the ACARS Management Unit (MU) (1RB)	

3. Fault Confirmation

A. Test

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

NOTE: Do this test for the VHF 3 only.

EFF: 201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549, 551-557, 701-749,

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- 4. Fault Isolation
- R **ON A/C 201-205, 227-227, 229-238, 276-281, 426-428, 476-480, 503-549, R 551-557, 701-749,
 - A. If the test gives the maintenance message: ACARS MU1 (1RB1)/VHF3 (1RC3)
 - (1) If the ACARS indication comes into view in the ACTIVE display window of the RMP where the VHF 3 is set:
 - replace the XCVR-VHF, 3 (1RC3) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (a) If the fault continues:
 - replace the MU-ACARS (1RB), (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (b) If the fault continues:
 - remove the VHF 3 transceiver (Ref. AMM TASK 23-12-33-000-001)
 - remove the ACARS MU (Ref. AMM TASK 23-24-34-000-001)
 - check and repair the wiring between the ACARS MU and the VHF 3 transceiver between pins AA/7A, 7B and pins AB/11A, 11B (Ref. ASM 23-24/01)
 - install the ACARS MU (Ref. AMM TASK 23-24-34-400-001)
 - install the VHF 3 transceiver (Ref. AMM TASK 23-12-33-400-001).
- R **ON A/C 201-225, 227-227, 229-237, 239-245, 276-299, 476-478,
 - A. If the test gives the maintenance message: RMP1/2/3 (1RG1/2/3)/ACARSMU (1RB1)/VHF3 (1RC3)
 - (1) If the ACARS indication comes into view in the ACTIVE display window of the RMP where the VHF 3 is set:
 - replace the XCVR-VHF, 3 (1RC3) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (a) If the fault continues:
 - replace the MU-ACARS (1RB), (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (b) If the fault continues:
 - remove the VHF 3 transceiver (Ref. AMM TASK 23-12-33-000-001)
 - remove the ACARS MU (Ref. AMM TASK 23-24-34-000-001)
 - check and repair the wiring between the ACARS MU and the VHF 3 transceiver between pins AA/7A, 7B and pins AB/11A, 11B (Ref. ASM 23-24/01)
 - install the ACARS MU (Ref. AMM TASK 23-24-34-400-001)
 - install the VHF 3 transceiver (Ref. AMM TASK 23-12-33-400-001).

EFF: 201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549, 551-557, 701-749,

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- (2) If a frequency comes into view in the ACTIVE display window of the RMP where the VHF 3 is set:
 - replace the VHF 3 transceiver (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (a) If the fault continues:
 - replace the RMP-COM/NAV FREQ SEL, 2 (1RG2) (Ref. AMM TASK 23-13-13-000-001) and (Ref. AMM TASK 23-13-13-400-001).
 - (b) If the fault continues:
 - remove the VHF 3 transceiver (Ref. AMM TASK 23-12-33-000-001)
 - remove the RMP 2 (Ref. AMM TASK 23-13-13-000-001)
 - check and repair the wiring from the RMP 2 to the VHF 3 transceiver from pins A/P, Q to AB/7A, 7B (Ref. ASM 23-24/01)
 - install the RMP 2 (Ref. AMM TASK 23-13-13-400-001)
 - install the VHF 3 transceiver (Ref. AMM TASK 23-12-33-400-001).
- R **ON A/C 201-225, 227-227, 229-245, 276-299, 426-428, 476-480, 503-549, R 551-557, 701-749,
 - B. Do the test given in Para. 3.A.

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TROUBLE SHOOTING MANUAL

SATELLITE COMMUNICATION - FAULT ISOLATION PROCEDURES

TASK 23-28-00-810-801

Failure of the Satellite Data Unit (SDU)

- 1. Possible Causes
 - SDU (105RV1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 23-28-00-740-001 AMM 23-28-34-000-001 AMM 23-28-34-400-001	BITE Test of the Satellite Communication System Removal of the Satellite Data Unit (SDU) 105RV1 Installation of the Satellite Data Unit (SDU) 105RV1	
3 Fault Confirmation		

- 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. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).
- 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 SDU1(105RV1) - replace the SDU (105RV1) (Ref. AMM TASK 23-28-34-000-001) and (Ref. AMM TASK 23-28-34-400-001).

R EFF: 503-549, 551-599,

SROS

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- R **ON A/C 503-549, 551-599,
 - 5. Close-up
- 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. Do the test given in Para. 3.

EFF: 503-549, 551-599,

SROS

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-802

Failure of the Satellite Data Unit (SDU)

- 1. Possible Causes
 - SDU (105RV1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-28-00-740-001 AMM 23-28-34-000-001 AMM 23-28-34-400-001	BITE Test of the Satellite Communication System Removal of the Satellite Data Unit (SDU) 105RV1 Installation of the Satellite Data Unit (SDU) 105RV1
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. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).
- 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 SDU1(105RV1) - replace the SDU (105RV1) (Ref. AMM TASK 23-28-34-000-001) and (Ref. AMM TASK 23-28-34-400-001).

503-549, 551-599, EFF: **SROS**

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R **ON A/C 503-549, 551-599,

- 5. Close-up
- 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. Do the test given in Para. 3.

EFF: 503-549, 551-599,

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-803

Failure of the Antenna-Top

- 1. Possible Causes
 - ANTENNA (116RV1)
- R SDU (105RV1)
 - 2. Job Set-up Information
 - A. Referenced Information

DECEDENCE	DESIGNATION	
REFERENCE	DESIGNATION	

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ESPM 205320

AMM 23-28-00-740-001

BITE Test of the Satellite Communication System

AMM 23-28-13-000-001

Removal of the Top Antenna 116RV1

Installation of the Top Antenna 116RV1

R AMM 23-28-34-000-001

R AMM 23-28-34-400-001

R AMM 23-28-34-400-001

Installation of the Satellite Data Unit (SDU) 105RV1

ASM 23-28/02
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- 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. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).

EFF: 503-549, 551-599,

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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 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 ANTENNA1(116RV1)
 Replace the ANTENNA (116RV1) (Ref. AMM TASK 23-28-13-000-001) and (Ref.
- R Replace the ANTENNA (116RV1 AMM TASK 23-28-13-400-001).
- R (1) 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).
- R (2) If the fault continues:
- R Replace the coaxial cables 124RV, 126RV and 127RV between the SDU (105RV1) and the ANTENNA (116RV1) (Ref. ASM 23-28/02) (Ref. ESPM 205320).
- R **ON A/C 503-549, 551-599,

5. Close-up

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- 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. Do the test given in Para. 3.

EFF: 503-549, 551-599, 23-28

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-804

Failure between the Antenna and the Satellite Data Unit (SDU)

- 1. Possible Causes
 - SDU (105RV1)
 - ANTENNA (116RV1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-28-00-740-001 AMM 23-28-13-000-001 AMM 23-28-13-400-001 AMM 23-28-34-000-001 AMM 23-28-34-400-001 ASM 23-28/02	BITE Test of the Satellite Communication System Removal of the Top Antenna 116RV1 Installation of the Top Antenna 116RV1 Removal of the Satellite Data Unit (SDU) 105RV1 Installation of the Satellite Data Unit (SDU) 105RV1

- 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. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).

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EFF: 503-549, 551-599,

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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 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 ANTENNA1(116RV1)/SDU1(105RV1) replace the SDU (105RV1) (Ref. AMM TASK 23-28-34-000-001) and (Ref. AMM TASK 23-28-34-400-001).
 - (1) If the fault continues:
 - Do a check and repair if neccessary the wiring between the pins AB/9G, 9H, 9E, 9F from the SDU to the antenna pins 8, 9, 11, 12, (Ref. ASM 23-28/02).
 - (2) If the fault continues:
 - replace the ANTENNA (116RV1) (Ref. AMM TASK 23-28-13-000-001) and (Ref. AMM TASK 23-28-13-400-001).
- R **ON A/C 503-549, 551-599,
 - 5. Close-up
- 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. Do the test given in Para. 3.

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-805

Failure of the Cooling Air System of the SATCOM

- 1. Possible Causes
 - SDU (105RV1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 21-26-00-710-001 AMM 23-28-00-740-001 AMM 23-28-34-000-001 AMM 23-28-34-400-001	Operational Check of System via MCDU BITE Test of the Satellite Communication System Removal of the Satellite Data Unit (SDU) 105RV1 Installation of the Satellite Data Unit (SDU) 105RV1	
7 Fault Confirmation		

- 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. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).
- 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 SDU1(105RV1)/ OVER TEMPERATURE:
 - remove the SDU (105RV1) (Ref. AMM TASK 23-28-34-000-001)
 - do a check of the cooling air system (Ref. AMM TASK 21-26-00-710-001).
 - (1) If the system is operative:
 - install a new SATCOM SDU (Ref. AMM TASK 23-28-34-400-001).

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- R **ON A/C 503-549, 551-599,
 - 5. Close-up
- 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. Do the test given in Para. 3.

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-806

Failure of the SATCOM Pin-Programming configuration

- 1. Possible Causes
 - SDU (105RV1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM AMM AMM	23-28-00-740-001 23-28-34-000-001 23-28-34-400-001 23-28-12	BITE Test of the Satellite Communication System Removal of the Satellite Data Unit (SDU) 105RV1 Installation of the Satellite Data Unit (SDU) 105RV1	
AWM	23-28-13		

- 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. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).
- 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
 - WRG: CONFIG PIN PROG/ SDU1(105RV1)
 - Remove the SDU (105RV1) (Ref. AMM TASK 23-28-34-000-001) - Do a check and repair if necessary the wiring of the pin program of the SDU (105RV1) (Ref. AWM 23-28-12) (Ref. AWM 23-28-13).

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- Install the SDU (105RV1) (Ref. AMM TASK 23-28-34-400-001).
- (1) 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).
- R **ON A/C 503-549, 551-599,
 - 5. Close-up
- 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. Do the test given in Para. 3.

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EFF: 503-549, 551-599,

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-807

Loss of the Data between the MCDU 1 and the SDU

- 1. Possible Causes
 - MCDU-1 (3CA1)
 - SDU (105RV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 22-82-12-000-001 AMM 22-82-12-400-002 AMM 23-28-00-740-001 AMM 23-28-34-000-001 AMM 23-28-34-400-001 ASM 23-28/05	Removal of the MCDU (3CA1,3CA2,3CA3) Installation of the MCDU (3CA1,3CA2,3CA3) BITE Test of the Satellite Communication System Removal of the Satellite Data Unit (SDU) 105RV1 Installation of the Satellite Data Unit (SDU) 105RV1

- 3. Fault Confirmation
- R **ON A/C 503-549, 551-599,
- R Post SB 23-1143 For A/C 503-549,551-557,
 - A. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).

EFF: 503-549, 551-599,

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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 23-1143 For A/C 503-549,551-557,
 - A. If the test gives the maintenance message MCDU1(3CA1)/SDU1(105RV1): - replace the MCDU-1 (3CA1) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
 - (1) 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).
 - (2) If the fault continues:
 - remove the SATCOM SDU
 - remove the MCDU-1
 - do a check and repair the wiring (from the MCDU-1 (3CA1) pins A/27,28 to the SDU (105RV1) pins AB/3C,3D and from the MCDU-1 pins A/24,25 to the first terminal block) (Ref. ASM 23-28/05)
 - install the SATCOM SDU
 - install the MCDU-1.
- R **ON A/C 503-549, 551-599,
 - 5. Close-up
- R **ON A/C 503-549, 551-599,
- R Post SB 23-1143 For A/C 503-549,551-557,
 - A. Do the test given in Para. 3.

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-808

Loss of the Data between the MCDU 2 and the SDU

- 1. Possible Causes
 - MCDU-2 (3CA2)
 - SDU (105RV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM 22 AMM 23 AMM 23	-82-12-000-001 -82-12-400-002 -28-00-740-001 -28-34-000-001 -28-34-400-001	Removal of the MCDU (3CA1,3CA2,3CA3) Installation of the MCDU (3CA1,3CA2,3CA3) BITE Test of the Satellite Communication System Removal of the Satellite Data Unit (SDU) 105RV1 Installation of the Satellite Data Unit (SDU) 105RV1

- 3. Fault Confirmation
- R **ON A/C 503-549, 551-599,
- R Post SB 23-1143 For A/C 503-549,551-557,
 - A. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).

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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 23-1143 For A/C 503-549,551-557,
 - A. If the test gives the maintenance message MCDU2(3CA2)/SDU1(105RV1): - replace the MCDU-2 (3CA2) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
 - (1) 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).
 - (2) If the fault continues:
 - remove the SATCOM SDU
 - remove the MCDU-2
 - do a check and repair the wiring (from the MCDU-2 (3CA2) pins A/27,28 to the SDU (105RV1) pins AB/3E,3F and from the MCDU-2 pins A/24,25 to the first terminal block) (Ref. ASM 23-28/05)
 - install the SATCOM SDU
 - install the MCDU-2.
- R **ON A/C 503-549, 551-599,
 - 5. Close-up
- R **ON A/C 503-549, 551-599,
- R Post SB 23-1143 For A/C 503-549,551-557,
 - A. Do the test given in Para. 3.

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-809

Loss of the Data between the MCDU 3 and the SDU

- 1. Possible Causes
 - MCDU-3 (3CA3)
 - SDU (105RV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 22-82-12-000-001 AMM 22-82-12-400-002 AMM 23-28-00-740-001 AMM 23-28-34-000-001 AMM 23-28-34-400-001 ASM 23-28/05	Removal of the MCDU (3CA1,3CA2,3CA3) Installation of the MCDU (3CA1,3CA2,3CA3) BITE Test of the Satellite Communication System Removal of the Satellite Data Unit (SDU) 105RV1 Installation of the Satellite Data Unit (SDU) 105RV1

- 3. Fault Confirmation
- R **ON A/C 503-549, 551-599,
- R Post SB 23-1143 For A/C 503-549,551-557,
 - A. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).

EFF: 503-549, 551-599, 23-28-00

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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 23-1143 For A/C 503-549,551-557,
 - A. If the test gives the maintenance message MCDU3(3CA3)/SDU1(105RV1): - replace the MCDU-3 (3CA3) (Ref. AMM TASK 22-82-12-000-001) and (Ref. AMM TASK 22-82-12-400-002).
 - (1) 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).
 - (2) If the fault continues:
 - remove the SATCOM SDU
 - remove the MCDU-3
 - do a check and repair the wiring (from the MCDU-3 (3CA3) pins A/27,28 to the SDU (105RV1) pins AB/8J,8K and from the MCDU-3 pins A/24,25 to the first terminal block) (Ref. ASM 23-28/05)
 - install the SATCOM SDU
 - install the MCDU-3.
- R **ON A/C 503-549, 551-599,
 - 5. Close-up
- R **ON A/C 503-549, 551-599,
- R Post SB 23-1143 For A/C 503-549,551-557,
 - A. Do the test given in Para. 3.

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EFF: 503-549, 551-599,

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-811

Loss of the Data between the ACARS MU (1RB1) and the SDU

- 1. Possible Causes
 - MU-ACARS (1RB)
 - SDU (105RV1)
 - wiring of the DATA BUS INPUT ACARS signal
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 23-24-34-000-001 AMM 23-24-34-400-001 AMM 23-28-00-740-001 AMM 23-28-34-000-001 AMM 23-28-34-400-001 ASM 23-28/06	Removal of the ACARS Management Unit (MU) (1RB) Installation of the ACARS Management Unit (MU) (1RB) BITE Test of the Satellite Communication System Removal of the Satellite Data Unit (SDU) 105RV1 Installation of the Satellite Data Unit (SDU) 105RV1	

- 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. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).

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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 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 ACARSMU(1RB)/SDU1(105RV1) replace the MU-ACARS (1RB) (Ref. AMM TASK 23-24-34-000-001) and (Ref. AMM TASK 23-24-34-400-001).
 - (1) 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).
 - (2) If the fault continues:
 - remove the SATCOM SDU
 - remove the ACARS MU
 - do a check and repair the wiring of the DATA BUS INPUT ACARS signal (from the ACARS MU (1RB) pins AA/7G,7H and pins AA/2C,2D to the SDU (105RV1) pins AB/1G,1H and pins AB/1J,1K) (Ref. ASM 23-28/06)
 - install the SATCOM SDU
 - install the ACARS MU.
- R **ON A/C 503-549, 551-599,
 - Close-up
- 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. Do the test given in Para. 3.

EFF: 503-549, 551-599, 23-28-00

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-812

Loss of the ADIRU1 / SDU Interface

- 1. Possible Causes
 - ADIRU-1 (1FP1)
 - SDU (105RV1)
 - wiring of the 429 BUS 2 INPUT signal
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 23-28-00-740-001 AMM 23-28-34-000-001 AMM 23-28-34-400-001 AMM 34-12-34-000-001 AMM 34-12-34-400-001 ASM 23-28/02	BITE Test of the Satellite Communication System Removal of the Satellite Data Unit (SDU) 105RV1 Installation of the Satellite Data Unit (SDU) 105RV1 Removal of the ADIRU (1FP1, 1FP2, 1FP3) Installation of the ADIRU (1FP1, 1FP2, 1FP3)	

- 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,

503-549, 551-599,

- A. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).

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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 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 ADIRU1(1FP1)/SDU1(105RV1):
 - Replace the ADIRU-1 (1FP1) (Ref. AMM TASK 34-12-34-000-001) and (Ref. AMM TASK 34-12-34-400-001).
 - (1) 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).
 - (2) If the fault continues:
 - Remove the SATCOM SDU
 - Remove the ADIRS 1
 - Do a check and repair the wiring of the 429 BUS 2 INPUT signal (from the ADIRS (1FP1) pins AB/5E,6E to the SDU (105RV1) pins AB/6A,6B) (Ref. ASM 23-28/02)
 - Install the SATCOM SDU
 - Install the ADIRS 1.
- R **ON A/C 503-549, 551-599,
 - Close-up
- 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. Do the test given in Para. 3.

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-813

Loss of the ADIRU2 / SDU Interface

- 1. Possible Causes
 - ADIRU-2 (1FP2)
 - SDU (105RV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM 23- AMM 23- AMM 34-	-28-00-740-001 -28-34-000-001 -28-34-400-001 -12-34-000-001 -12-34-400-001 -28/02	BITE Test of the Satellite Communication System Removal of the Satellite Data Unit (SDU) 105RV1 Installation of the Satellite Data Unit (SDU) 105RV1 Removal of the ADIRU (1FP1, 1FP2, 1FP3) Installation of the ADIRU (1FP1, 1FP2, 1FP3)	

- 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,

503-549, 551-599,

- A. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).

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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 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 ADIRU2(1FP2)/SDU1(105RV1):
 - Replace the ADIRU-2 (1FP2) (Ref. AMM TASK 34-12-34-000-001) and (Ref. AMM TASK 34-12-34-400-001).
 - (1) 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).
 - (2) If the fault continues:
 - Remove the SDU (105RV1).
 - Remove the ADIRU-2 (1FP2).
 - Do a check and repair the wiring of the 429 BUS 2 INPUT signal from the ADIRU-2 (1FP2) pins AB/10C,11C to the SDU (105RV1) pins AB/6C,6D (Ref. ASM 23-28/02).
 - Install the SDU (105RV1).
 - Install the ADIRU-2 (1FP2).
- R **ON A/C 503-549, 551-599,
 - Close-up
- 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. Do the test given in Para. 3.

EFF: 503-549, 551-599,

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-814

Loss of the Data from both ADIRS 1 and ADIRS 2 to the SDU

- 1. Possible Causes
 - ADIRU-1 (1FP1)
 - ADIRU-2 (1FP2)
 - SDU (105RV1)
 - wiring of the 429 BUS 2 INPUT and the 429 BUS 3 INPUT signals
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNA	ATION
AMM 23-28-00-740 AMM 23-28-34-000 AMM 23-28-34-400 AMM 34-12-34-000 AMM 34-12-34-400 ASM 23-28/02	-001 Removal -001 Instal -001 Removal	est of the Satellite Communication System of the Satellite Data Unit (SDU) 105RV1 ation of the Satellite Data Unit (SDU) 105RV1 of the ADIRU (1FP1, 1FP2, 1FP3) ation of the ADIRU (1FP1, 1FP2, 1FP3)

- 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,

503-549, 551-599,

- A. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).

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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 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 ADIRU1 (1FP1) + ADIRU2 (1FP2)/ SDU 1 (105RV1):
 - replace the ADIRU-1 (1FP1) (Ref. AMM TASK 34-12-34-000-001) and (Ref. AMM TASK 34-12-34-400-001).
 - (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:
 - replace the SDU (105RV1) (Ref. AMM TASK 23-28-34-000-001) and (Ref. AMM TASK 23-28-34-400-001).
 - (3) If the fault continues:
 - remove the SATCOM SDU
 - remove the ADIRS 1
 - remove the ADIRS 2
 - do a check and repair as necessary the wiring of the 429 BUS 2 INPUT and the 429 BUS 3 INPUT signals (from the ADIRS 1 (1FP1) pins AB/5E,6E and the ADIRS 2 (1FP2) pins AB/10C,11C to the SDU (105RV1) pins AB/6A,6B,6C,6D) (Ref. ASM 23-28/02)
 - install the SATCOM SDU
 - install the ADIRS 1
 - install the ADIRS 2.
- R **ON A/C 503-549, 551-599,
 - Close-up
- 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. Do the test given in Para. 3.

R EFF: 503-549, 551-599,

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-815

Loss of Data between the CFDIU and the SDU

- 1. Possible Causes
 - CFDIU (1TW)
 - SDU (105RV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION		
AMM 23-28-00-740-001 AMM 23-28-34-000-001 AMM 23-28-34-400-001 AMM 31-32-34-000-001 ASM 23-28/05	Removal of the Satellite Data Unit (SDU) 105RV1 Installation of the Satellite Data Unit (SDU) 105RV1 Removal of the CFDIU (1TW)		

- 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. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).

EFF: 503-549, 551-599, 23-28-00

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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 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 CFDIU (1TW) / SDU (105RV1):
 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 SDU (105RV1) (Ref. AMM TASK 23-28-34-000-001) and (Ref. AMM TASK 23-28-34-400-001).
 - (2) If the fault continues:
 - remove the SATCOM SDU
 - remove the CFDIU
 - do a check and repair the wiring (from the CFDIU (1TW) pins AA/13D,13E to the SDU (105RV1) AB/4E,4F and from the CFDIU (1TW) pins AA/11F,11G to the SDU (105RV1) AB/4C,4D) (Ref. ASM 23-28/05)
 - install the SATCOM SDU
 - install the CFDIU.
 - B. Do the test given in Para. 3.

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-816

Failure of the SATCOM A/C Address (ICAO)

- 1. Possible Causes
 - SDU (105RV1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-28-00-740-001 AMM 23-28-34-000-001 AMM 23-28-34-400-001 AWM 23-28-11	BITE Test of the Satellite Communication System Removal of the Satellite Data Unit (SDU) 105RV1 Installation of the Satellite Data Unit (SDU) 105RV1

- 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. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).
- 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 WRG: ICAO ADDRESS PIN PROG/ SDU1(105RV1):
 - Remove the SDU (105RV1) (Ref. AMM TASK 23-28-34-000-001).
 - Do a check and repair if necessary the wiring of the pin program of the SDU (105RV1) (Ref. AWM 23-28-11).
 - Install the SDU (105RV1).

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- (1) 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).
- R **ON A/C 503-549, 551-599,
 - 5. Close-up
- 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. Do the test given in Para. 3.

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EFF: 503-549, 551-599,

TROUBLE SHOOTING MANUAL

R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-817

SATCOM Antenna System Defective on the SDU RX Coaxial Cable

- 1. Possible Causes
 - SDU (105RV1)
 - ANTENNA (116RV1)
 - coaxial cables 126RV and 124RV between the SATCOM (105RV1) and the ANTENNA (116RV1).
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION

ESPM 205320

AMM 23-28-00-740-001 BITE Test of the Satellite Communication System

AMM 23-28-13-000-001 Removal of the Top Antenna 116RV1

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

ASM 23-28/16

- 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. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).

EFF: 503-549, 551-599, 23-28-00

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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 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 SDU1(105RV1)RX COAX
 - replace the SDU (105RV1) (Ref. AMM TASK 23-28-34-000-001) and (Ref. AMM TASK 23-28-34-400-001).
 - (1) If the fault continues:
 - do a check for continuity of the coaxial cables 126RV and 124RV between the SATCOM (105RV1) and the ANTENNA (116RV1). (Ref. ASM 23-28/16)
 - (a) If there is no continuity:
 - replace the coaxial cable (Ref. ESPM 205320).
 - (b) If there is continuity:
 - replace the ANTENNA (116RV1) (Ref. AMM TASK 23-28-13-000-001)
 and (Ref. AMM TASK 23-28-13-400-001).
- R **ON A/C 503-549, 551-599,
 - 5. Close-up
- 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. Do the test given in Para. 3.

EFF: 503-549, 551-599, 23-28-00

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-818

Loss of the LGCIU1/SDU1 Interface

- 1. Possible Causes
 - LGCIU-1 (5GA1)
 - SDU (105RV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION		
AMM 23-28-00-740-001 AMM 23-28-34-000-001 AMM 23-28-34-400-001 AMM 32-31-71-000-001 AMM 32-31-71-400-001 ASM 23-28/00	BITE Test of the Satellite Communication System Removal of the Satellite Data Unit (SDU) 105RV1 Installation of the Satellite Data Unit (SDU) 105RV1 Removal of the LGCIU (5GA1, 5GA2) Installation of the LGCIU (5GA1, 5GA2)		

- 3. Fault Confirmation
- R **ON A/C 503-549, 551-599,
- R Post SB 23-1143 For A/C 503-549,551-557,
 - A. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).

EFF: 503-549, 551-599,

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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 23-1143 For A/C 503-549,551-557,
 - A. If the test gives the maintenance message LGCIU1/SDU1(105RV1):
 replace the LGCIU-1 (5GA1) (Ref. AMM TASK 32-31-71-000-001) and (Ref.
 AMM TASK 32-31-71-400-001).
 - (1) 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).
 - (2) If the fault continues:
 - remove the LGCIU-1 (5GA1) (Ref. AMM TASK 32-31-71-000-001)
 - remove the SDU (105RV1) (Ref. AMM TASK 23-28-34-000-001)
 - do a check and repair the wiring of the AIR/GROUND DISCRET signal from pin AB/10J of the LGCIU1 to pin AB/5C of the SDU (Ref. ASM 23-28/00)
 - install the SDU (105RV1) (Ref. AMM TASK 23-28-34-400-001)
 - install the LGCIU-1 (5GA1) (Ref. AMM TASK 32-31-71-400-001).
- R **ON A/C 503-549, 551-599,
 - 5. Close-up
- R **ON A/C 503-549, 551-599,
- R Post SB 23-1143 For A/C 503-549,551-557,
 - A. Do the test given in para. 3.

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-819

Loss of the LGCIU2/SDU1 Interface

- 1. Possible Causes
 - LGCIU-2 (5GA2)
 - SDU (105RV1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION		
AMM 23-28-00-740-001 AMM 23-28-34-000-001 AMM 23-28-34-400-001 AMM 32-31-71-000-001 AMM 32-31-71-400-001 ASM 23-28/00	BITE Test of the Satellite Communication System Removal of the Satellite Data Unit (SDU) 105RV1 Installation of the Satellite Data Unit (SDU) 105RV1 Removal of the LGCIU (5GA1, 5GA2) Installation of the LGCIU (5GA1, 5GA2)		

- 3. Fault Confirmation
- R **ON A/C 503-549, 551-599,
- R Post SB 23-1143 For A/C 503-549,551-557,
 - A. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).

EFF: 503-549, 551-599,

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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 23-1143 For A/C 503-549,551-557,
 - A. If the test gives the maintenance message LGCIU2/SDU1(105RV2):
 replace the LGCIU-2 (5GA2) (Ref. AMM TASK 32-31-71-000-001) and (Ref.
 AMM TASK 32-31-71-400-001).
 - (1) 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).
 - (2) If the fault continues:
 - remove the LGCIU-2 (5GA2) (Ref. AMM TASK 32-31-71-000-001)
 - remove the SDU (105RV1) (Ref. AMM TASK 23-28-34-000-001)
 - do a check and repair the wiring of the AIR/GROUND DISCRET signal from pin AB/10J of the LGCIU2 to pin AB/5B of the SDU (Ref. ASM 23-28/00)
 - install the SDU (105RV1) (Ref. AMM TASK 23-28-34-400-001)
 - install the LGCIU-2 (5GA2) (Ref. AMM TASK 32-31-71-400-001).
- R **ON A/C 503-549, 551-599,
 - 5. Close-up
- R **ON A/C 503-549, 551-599,
- R Post SB 23-1143 For A/C 503-549,551-557,
 - A. Do the test given in para. 3.

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EFF: 503-549, 551-599,

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-822

Loss of the Data between MCDU 1, 2, 3 and the SDU

- 1. Possible Causes
 - SDU (105RV1)
 - wiring of the DATA BUS TO MCDU1,2,3 signal
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-28-00-740-001 AMM 23-28-34-000-001 AMM 23-28-34-400-001 ASM 23-28/05	BITE Test of the Satellite Communication System Removal of the Satellite Data Unit (SDU) 105RV1 Installation of the Satellite Data Unit (SDU) 105RV1
3 Fault Confirmation	

- 3. Fault Confirmation
- R **ON A/C 503-549, 551-599,
- R Post SB 23-1143 For A/C 503-549,551-557,
 - A. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).
- 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,
 - A. If the test gives one of the fourth maintenance messages: MCDU1(3CA1)+MCDU2(3CA2)/ SDU1(105RV1)

MCDU1(3CA1)+MCDU3(3CA3)/ SDU1(105RV1)

MCDU2(3CA2)+MCDU3(3CA3)/ SDU1(105RV1)

MCDU1(3CA1)+MCDU2(3CA2)+ MCDU3(3CA3)/ SDU1(105RV1)

replace the SDU (105RV1) (Ref. AMM TASK 23-28-34-000-001) and (Ref. AMM TASK 23-28-34-400-001).

EFF: 503-549, 551-599,

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- (1) If the fault continues:
 - remove the SATCOM SDU
 - do a check and repair the wiring of the DATA BUS TO MCDU1,2,3 signal (from the SDU (105RV1) pins AB/3J,3K to the first terminal block) (Ref. ASM 23-28/05)
 - install the SATCOM SDU.
- R **ON A/C 503-549, 551-599,
 - 5. Close-up
- R **ON A/C 503-549, 551-599,
- R Post SB 23-1143 For A/C 503-549,551-557,
 - A. Do the test given in Para. 3.

EFF: 503-549, 551-599, 23-28-00

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R **ON A/C 503-549, 551-599,

TASK 23-28-00-810-825

Loss of the Data between the ATSU (1TX1) and the SDU

- 1. Possible Causes
 - ATSU (1TX1)
 - SDU (105RV1)
 - wiring of the DATA BUS INPUT ATSU signal
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-28-00-740-001	BITE Test of the Satellite Communication System
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	46-21-34-000-001	Removal of the Air Traffic Service Unit (ATSU) (1TX1)
AMM	46-21-34-400-001	<pre>Installation of the Air Traffic Service Unit (ATSU) (1TX1)</pre>
ASM	23-28/15	

- 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. Test
 - (1) Do the BITE test of the SATCOM System (Ref. AMM TASK 23-28-00-740-001).

EFF: 503-549, 551-599, 23-28-00

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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 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 ATSU(1TX1)/SDU1(105RV1) replace the ATSU (1TX1) (Ref. AMM TASK 46-21-34-000-001) and (Ref. AMM TASK 46-21-34-400-001).
 - (1) 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).
 - (2) If the fault continues:
 - remove the SATCOM SDU
 - remove the ATSU
 - do a check and repair the wiring of the DATA BUS INPUT ATSU signal (from the ATSU (1TX1) pins AA/1G,1H to the SDU (105RV1) pins AB/1G,1H (Ref. ASM 23-28/15)
 - install the SATCOM SDU
 - install the ATSU.
- R **ON A/C 503-549, 551-599,
 - 5. Close-up
- 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. Do the test given in Para. 3.

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EFF:

TROUBLE SHOOTING MANUAL

ANNOUNCEMENT - MUSIC TAPE REPRODUCER SYSTEM - FAULT ISOLATION PROCEDURES

TASK 23-32-00-810-801

Fault of the BITE Transmission from the PRAM

- 1. Possible Causes
 - RPDR-ANNOUNCE/MUSIC (10RX)
 - wiring
- 2. Job Set-up Information
 - A. Fixtures, Tools, Test and Support Equipment

REFERENCE QTY DESIGNATION

REFERENCE QIY DESIGNATION

No specific circuit breaker(s) safety clip(s)

B. Referenced Information

REFERENCE **DESIGNATION** Replacement of the Sound Recording Medium of the AMM 23-32-00-860-001 Prerecorded Announcement and Boarding Music (PRAM) Reproducer AMM 23-32-34-000-001 Removal of the Announcement/Music Tape Reproducer (10RX) AMM 23-32-34-400-001 Installation of the Announcement/Music Tape Reproducer (10RX) AMM 23-73-00-740-005 BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS ASM 23-32/01

3. Fault Confirmation

R **ON A/C 201-225, 227-227, 229-299, 426-431, 476-480, 503-549, 551-599, R 701-749,

- A. Aircraft Maintenance Configuration
 - (1) Make sure that the tapes are installed in the PRAM correctly. (Ref. AMM TASK 23-32-00-860-001)
 - (2) Make sure that the switches at the front panel of the RPDR-ANNOUNCE/MUSIC (10RX) (PRAM) are in these positions:
 - the MUSIC CH SELECT switch in the REMOTE position,
 - the TEST switch in the NORMAL position.

EFF: ALL 23-32-00

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**ON A/C 432-475, 481-499,

	A £ +	M	C	_
Α.	Aircratt	maintenance	Configuratio	п

(1) Make sure that the announcement and boarding music files are loaded correctly (Ref. AMM TASK 23-32-00-860-001).

**ON A/C 201-225, 238-299, 426-499, 503-549, 551-599,

В.	Open,	safety	and	tag	this(these)	circuit	<pre>breaker(s):</pre>	
----	-------	--------	-----	-----	-------------	---------	------------------------	--

PANEL DESIGNATION IDENT. LOCATION

2000VU PRAM 2RX 01 E

R **ON A/C 227-227, 229-237,

B. Open, safety and tag this(these) circuit breaker(s):

PANEL DESIGNATION IDENT. LOCATION

2000VU CABIN COMMUNICATION SYSTEMS/PRAM

2RX 07 F

**ON A/C 701-749,

B. Open, safety and tag this(these) circuit breaker(s):

PANEL DESIGNATION IDENT. LOCATION

2000VU PRAM 2RX 01 D

EFF: ALL 23-32-00

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**ON A/C ALL

C. Open, safety and tag this(these) circuit breaker(s):

PANEL DESIGNATION

IDENT. LOCATION

**ON A/C 201-225, 251-251, 254-299, 426-499, 503-549,

2000VU PRAM

2RX E01

R **ON A/C 227-227, 229-245, 551-599,

2000VU PRAM

2RX F07

**ON A/C 247-250, 252-253, 701-749,

2000VU PRAM

2RX D01

**ON A/C ALL

- D. Remove the safety clip(s) and the tag(s) and close this(these) circuit
 breaker(s):
 2RX.
- E. Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) (Ref. AMM TASK 23-73-00-740-005).

4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the test gives the maintenance message NO PRAM DATA or PRAM(10RX)/DIR1 (101RH):
 - Replace the RPDR-ANNOUNCE/MUSIC (10RX) (PRAM) (Ref. AMM TASK 23-32-34-000-001) and (Ref. AMM TASK 23-32-34-400-001).

NOTE: The upper display ON ANNOUNCE on the audio panel (123RH) of the Forward Attendant Panel (FAP) (120RH) shows a fault code. Write down the fault code and keep it with the replaced PRAM.

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- (1) If the fault continues:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-32/01):
 - the PRAM (10RX) connector AB/A8 and the DIR-CIDS, 1 (101RH) connector AB/D7
 - the PRAM (10RX) connector AB/A5 and the DIR-CIDS, 1 (101RH) connector AB/D6
 - the PRAM (10RX) connector AB/B5 and the DIR-CIDS, 1 (101RH) connector AB/E6
 - the PRAM (10RX) connector AB/C5 and the DIR-CIDS, 1 (101RH) connector AB/A8
 - the PRAM (10RX) connector AB/D5 and the DIR-CIDS, 1 (101RH) connector AB/B8
 - the PRAM (10RX) connector AB/A1 and the DIR-CIDS, 1 (101RH) connector AA/F7
 - the PRAM (10RX) connector AB/B1 and the DIR-CIDS, 1 (101RH) connector AA/G7
 - the PRAM (10RX) connector AB/C1 and the DIR-CIDS, 1 (101RH) connector AA/J7
 - the PRAM (10RX) connector AB/D1 and the DIR-CIDS, 1 (101RH) connector AA/K7
 - the PRAM (10RX) connector AB/A6 and the DIR-CIDS, 1 (101RH) connector AB/A6 $\,$
 - the PRAM (10RX) connector AB/B6 and the DIR-CIDS, 1 (101RH) connector AB/B6
 - the PRAM (10RX) connector AB/A9 and the DIR-CIDS, 1 (101RH) connector AB/E7.

NOTE: The wiring between:

- the PRAM (10RX) connector AB/C5 and the DIR-CIDS, 1 (101RH) connector AB/A8 $\,$
- the PRAM (10RX) connector AB/D5 and the DIR-CIDS, 1 (101RH) connector AB/B8
- is not installed on all aircrafts.
- C. Do the test given in Para. 3.D.

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TASK 23-32-00-810-802

Fault of the PRAM

- 1. Possible Causes
 - RPDR-ANNOUNCE/MUSIC (10RX)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
A M M	23-32-00-860-002	Initialization of the Prerecorded Anouncement and	
AMM	23-32-00-660-002	Boarding Music (PRAM) Reproducer	
AMM	23-32-34-000-001	Removal of the Announcement/Music Tape Reproducer (10RX)	
AMM	23-32-34-400-001	<pre>Installation of the Announcement/Music Tape Reproducer (10RX)</pre>	
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS	
ASM	23-32/01		

3. Fault Confirmation

- R **ON A/C 201-225, 227-227, 229-299, 426-431, 476-480, 503-549, 551-599, R 701-749,
 - A. Do the Initialization of the Prerecorded Announcement and Boarding Music (PRAM) Reproducer (Ref. AMM TASK 23-32-00-860-002).

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B. Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) (Ref. AMM TASK 23-73-00-740-005).

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4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the test gives the maintenance message PRAM or PRAM(10RX):
 - Replace the RPDR-ANNOUNCE/MUSIC (10RX) (PRAM) (Ref. AMM TASK 23-32-34-000-001) and (Ref. AMM TASK 23-32-34-400-001).
 - NOTE: The upper display ON ANNOUNCE on the audio panel (123RH) of the Forward Attendant Panel (FAP) (120RH) shows a fault code. Write down the fault code and keep it with the replaced PRAM.
 - (1) If the fault continues:
 - do a check for 115VAC at the PRAM (10RX) connector AC/2.
 - (a) If there is no 115VAC:
 - do a check and repair as necessary the wiring between: the PRAM (10RX) connector AC/2 and the CB 2RX, CAB COM SYSTEMS/PRAM on the panel 2000VU (Ref. ASM 23-32/01).
 - (b) If there is 115VAC:
 - do a check and repair as necessary the wiring between:
 the PRAM (10RX) connector AC/3 and the GND (Ref. ASM 23-32/01).
 - 1 If there is no ground signal:
 - do a check and repair as necessary the wiring between: the PRAM (10RX) connector AC/3 and the GND (AC GND), the PRAM (10RX) connector AC/4 and the GND (CHASSIS GND) (Ref. ASM 23-32/01).
- C. Do the test given in Para. 3.B.

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PASSENGER ENTERTAINMENT (MUSIC) - FAULT ISOLATION PROCEDURES

TASK 23-33-00-810-801

Fault of the Bus or the Connected Units of the PES between the Specified Seat Rows on the Left Side

- 1. Possible Causes
 - wiring
 - SEAT ELECTRONIC BOX (100MKxx)
 - SEB TERMINATOR (101MKxx)
 - WALL DISCONNECT BOX (50MKx)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION		
	AMM	23-33-00-740-002	BITE-Test of the Passenger Entertainment System (Music) with the Programming and Test Panel (PTP)		
	AMM	23-33-46-000-001	Removal of the Seat Electronic Box (SEB)		
	AMM	23-33-46-400-001	Installation of the Seat Electronic Box (SEB)		
	AMM	23-33-47-000-001	Removal of the Wall Disconnect Box (WDB)		
	AMM	23-33-47-400-001	Installation of the Wall Disconnect Box (WDB)		
R R	AMM	23-73-00-740-003	BITE-test of the Cabin Intercommunication Data System (CIDS) through the PTP		
	ASM ASM	23-33/02 23-33/03			

- 3. Fault Confirmation
- R A. Do the BITE test of the cabin intercommunication data system (CIDS) (Ref. AMM TASK 23-73-00-740-003).
 - 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - B. If the test gives the maintenance message 23-33-54/BUS XXYYL:
 - do a check for the correct identification of the SEAT ELECTRONIC BOX (100MKxx) (SEB) in the seat rows XX and YY.
 - (1) If the position of the SEB (100MKxx) in seat row XX is correctly identified:
 - Make sure that the SEB (100MKxx) in front of the seat row XX is connected to the SEB (100MKxx) in the seat row XX on the left side of the cabin.

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- (a) If that is true:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) in front of the seat row XX and the SEB (100MKxx) in the seat row XX on the left side of the cabin. (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the SEB (100MKxx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the SEB (100MKxx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the SEB (100MKxx) connector P1/8 and the SEB (100MKxx) connector P2/8.
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
 - If the test gives a different maintenance message 23-33-54/BUS XXYYL:
 - continue with para. 4.B.(2).
 - 2 If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the seat row XX on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - <u>a</u> If the BITE test (part of installation procedure) gives a different maintenance message 23-33-54/BUS XXYYL:
 continue with para. 4.B.(2).
 - 3 If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the seat row in front of the seat row XX on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - a If the BITE test (part of installation procedure) gives a different maintenance message 23-33-54/BUS XXYYL:
 continue with para. 4.B.(2).
- (b) If a WALL DISCONNECT BOX (50MKx) (WDB) is connected directly to the SEB (100MKxx) in the seat row XX, instead of the SEB (100MKxx) in the seat row in front of the seat row XX on the left side of the cabin and:
 - 1 If a SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the seat row in front of the seat row XX:
 - do a check for the functional condition and the correct installation of that SEB TERMINATOR (101MKxx) (Ref. ASM 23-33/03).
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).

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- <u>a</u> If the test gives a different maintenance message 23-33-54/BUS XXYYL:
 - continue with para. 4.B.(2).
- 2 If the fault coninues and:
 - a If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WDB(s) (50MKx) in line to the SEB (100MKxx) in the seat row in front of the seat row XX:
 - do the check above again on that/these SEB TERMINATORS(s) (101MKxx) (Ref. ASM 23-33/03).
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
 - <u>b</u> If the test gives a different maintenance message 23-33-54/BUS XXYYL:
 - continue with para. 4.B.(2).
- 3 If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) in the seat row XX and the connected WDB (50MKx) on the left side of the cabin (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
 - <u>a</u> If the test gives a different maintenance message 23-33-54/BUS XXYYL:
 - continue with para. 4.B.(2).
- 4 If the fault continues:
 - continue with para. 4.B.(1)(c)7_.
- (c) If a SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the seat row XX, instead of the SEB (100MKxx) in the seat row in front of the seat row XX on the left side of the cabin:
 - do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the SEB (100MKxx) in the seat row XX (Ref. ASM 23-33/03).
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).

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- If the test gives a different maintenance message 23-33-54/BUS XXYYI:
 - continue with para. 4.B.(2).
- 2 If the fault continues and:
 - <u>a</u> If a SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the seat row in front of the seat row XX:
 - do a check for the functional condition and the correct installation of that SEB TERMINATOR (101MKxx) (Ref. ASM 23-33/03).
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
 - <u>b</u> If the test gives a different maintenance message 23-33-54/BUS XXYYL:
 - continue with para. 4.B.(2).
- 3 If the fault continues and:
 - a If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WDB(s) (50MKx) in line to the SEB (100MKxx) in the seat row in front of the seat row XX:
 - do the check above again on that/these SEB TERMINATOR(s) (101MKxx) (Ref. ASM 23-33/03).
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
 - <u>b</u> If the BITE test gives a different maintenance message 23-33-54/BUS XXYYL:
 - continue with para. 4.B.(2).
- 4 If the fault continues:
 - do a continuity check on all SEBs (100MKxx) on the left side of the cabin from the seat row XX to the seat row next to the WDB (50MKx) that serves the SEB(s) above between:
 - the SEB (100MKxx) connector J1/6 and the SEB (100MKxx) connector J2/6.
 - the SEB (100MKxx) connector J1/5 and the SEB (100MKxx) connector J2/5.
 - the SEB (100MKxx) connector J1/7 and the SEB (100MKxx) connector J2/7.
 - the SEB (100MKxx) connector J1/8 and the SEB (100MKxx) connector J2/8.
 - a If there is no continuity in a SEB:
 - replace that SEAT ELECTRONIC BOX (100MKxx) (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - <u>b</u> If the BITE test (part of installation procedure) gives a different maintenance message 23-33-54/BUS XXYYL:
 continue with para. 4.B.(2).

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- 5 If the fault continues:
 - do a check and repair as necessary the wiring between the checked SEBs (100MKxx) (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the SEB (100MKxx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the SEB (100MKxx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the SEB (100MKxx) connector P1/8 and the SEB (100MKxx) connector P2/8.
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
 - a If the test gives a different maintenance message
 23-33-54/BUS XXYYL:
 - continue with para. 4.B.(2).
- 6 If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) nearest to the WDB (50MKx) that serves the checked SEB(s) (100MKxx) and that WDB (50MKx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
 - <u>a</u> If the test gives a different maintenance message 23-33-54/BUS XXYYL:
 - continue with para. 4.B.(2).
- 7 If the fault continues:
 - do a check and repair as necessary the wiring between all WDBs (50MKx) from the WDB (50MKx) that serves the SEB (100MKxx) in the seat row XX and the WBD (50MKx) that serves the SEB (100MKxx) in front of seat row XX (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector A/13 and the WDB (50MKx) connector D/13.
 - the WDB (50MKx) connector A/14 and the WDB (50MKx) connector D/14.
 - the WDB (50MKx) connector A/15 and the WDB (50MKx) connector D/15.

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- the WDB (50MKx) connector A/8 and the WDB (50MKx) connector D/8.
- the WDB (50MKx) connector A/1 and the WDB (50MKx) connector D/1.
- the WDB (50MKx) connector A/2 and the WDB (50MKx) connector D/2.
- do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
- <u>a</u> If the test gives a different maintenance message 23-33-54/BUS XXYYL:
 - continue with para. 4.B.(2).
- 8 If the fault continues:
 - do a continuity check on all SEBs (100MKxx) on the left side of the cabin from the seat row in front of the seat row XX to the seat row next to the WDB (50MKx) that serves the SEBs (100MKxx) above between:
 - the SEB (100MKxx) connector J1/6 and the SEB (100MKxx) connector J2/6.
 - a If there is no continuity:
 - replace that/these SEAT ELECTRONIC BOX(es) (100MKxx) above (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - <u>b</u> If the BITE test (part of installation procedure) gives a different maintenance message 23-33-54/BUS XXYYL:
 continue with para. 4.B.(2).
- 9 If the fault continues:
 - do a check and repair as necessary the wiring between the checked SEBs (100MKxx) in front of the seat row XX (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
 - <u>a</u> If the test gives a different maintenance message 23-33-54/BUS XXYYL:
 - continue with para. 4.B.(2).
- 10 If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) nearest to the WDB (50MKx) that serves the checked SEB (100MKxx) and that WDB (50MKx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.

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- the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
- the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
- the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.
- do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
- <u>a</u> If the test gives a different maintenance message 23-33-54/BUS XXYYL:
 - continue with para. 4.B.(2).
- 11 If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the seat row XX on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - a If the BITE test (part of installation procedure) gives a different maintenance message 23-33-54/BUS XXYYL:

 continue with para. 4.B.(2).
- 12 If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the seat row in front of the seat row XX on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - a If the BITE test (part of installation procedure) gives a different maintenance message 23-33-54/BUS XXYYL: continue with para. 4.B.(2).
- 13 If the fault continues:
 - replace the WALL DISCONNECT BOX (50MKx) that serves the last replaced SEB (100MKxx) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
 - <u>a</u> If the BITE test (part of installation procedure) gives a different maintenance message 23-33-54/BUS XXYYL:
 continue with para. 4.B.(2).
- 14 If the fault continues and:
 - \underline{a} If another WDB (50MKx) is connected in line to the seat row XX on the left side of the cabin:
 - replace the next WALL DISCONNECT BOX (50MKx) in line to the seat row XX (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
 - <u>b</u> If the BITE test (part of installation procedure) gives a different maintenance message 23-33-54/BUS XXYYL:
 continue with para. 4.B.(2).

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- 15 If the fault continues:
 - do para. above again until the WALL DISCONNECT BOX (50MKx) that serves the SEB (100MKxx) in the seat row XX on the left side of the cabin is replaced (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (2) If the position of the SEB (100MKxx) in the seat row YY is correctly identified:
 - Make sure that the SEB (100MKxx) behind the seat row YY is connected to the SEB (100MKxx) in the seat row YY on the left side of the cabin.
 - (a) If that is true:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) behind the seat row YY and the SEB (100MKxx) in the seat row YY on the left side of the cabin. (Ref. ASM 23-33/03):
 the SEB (100MKxx) connector P1/9 and the SEB (100MKxx)
 - connector P2/9.
 the SEB (100MKxx) connector P1/5 and the SEB (100MKxx)
 connector P2/5.
 - the SEB (100MKxx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the SEB (100MKxx) connector P1/8 and the SEB (100MKxx) connector P2/8.
 - 1 If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the seat row YY on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - 2 If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the seat row behind the seat row YY on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - (b) If a WALL DISCONNECT BOX (50MKx) is connected directly to the SEB (100MKxx) in the seat row YY, instead of the SEB (100MKxx) in the seat row behind the seat row YY on the left side of the cabin and:
 - If a SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the seat row behind the seat row YY:
 - do a check for the functional condition and the correct installation of that SEB TERMINATOR (101MKxx) (Ref. ASM 23-33/03).
 - 2 If the fault continues and:
 - a If another /other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WDB(s) (50MKx) in line to the SEB (100MKxx) in the seat row behind the seat row YY:

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- do the check above again on that/these SEB TERMINATOR(s) (101MKxx) (Ref. ASM 23-33/03).
- 3 If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) in the seat row YY and the connected WDB (50MKx) on the left side of the cabin (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.
- 4 If the fault continues:
 - continue with para. 4.B.(2)(c)6.
- (c) If a SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the seat row YY, instead of the SEB (100MKxx) in the seat row behind the seat row YY on the left side of the cabin:
 - do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the SEB (100MKxx) in the seat row YY (Ref. ASM 23-33/03).
 - 1 If the fault continues and:
 - <u>a</u> If a SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the seat row behind the seat row YY:
 - do a check the functional condition and correct installation of that SEB (100MKxx) (Ref. ASM 23-33/03).
 - 2 If the fault continues and:
 - a If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WDB(s) (50MKx) in line to the SEB (100MKxx) in the seat row behind the seat row YY:
 - do the check above again on that/these SEB TERMINATOR(s) (101MKxx) (Ref. ASM 23-33/03).
 - 3 If the fault continues:
 - do a continuity check on all SEBs (100MKxx) on the left side of the cabin from the seat row YY to the seat row next to the WDB (50MKx) between:
 - the SEB (100MKxx) connector J1/6 and the SEB (100MKxx) connector J2/6.
 - the SEB (100MKxx) connector J1/5 and the SEB (100MKxx) connector J2/5.

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- the SEB (100MKxx) connector J1/7 and the SEB (100MKxx) connector J2/7.
- the SEB (100MKxx) connector J1/8 and the SEB (100MKxx) connector J2/8.
- a If there is no continuity in a SEB:
 - replace that SEAT ELECTRONIC BOX (100MKxx) (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).

4 If the fault continues:

- do a check and repair as necessary the wiring between checked SEBs (100MKxx) (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the SEB (100MKxx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the SEB (100MKxx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the SEB (100MKxx) connector P1/8 and the SEB (100MKxx) connector P2/8.

5 If the fault continues:

- do a check and repair as necessary the wiring between the SEB (100MKxx) nearest to the WDB (50MKx) that serves the checked SEB(s) (100MKxx) and that WDB (50MKx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.

6 If the fault continues:

- do a check and repair as necessary the wiring between all WDBs (50MKx) from the WDB (50MKx) that serves the seat row YY and the WBD (50MKx) that serves the SEB (100MKxx) backward of the seat row YY (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector A/13 and the WDB (50MKx) connector D/13.
 - the WDB (50MKx) connector A/14 and the WDB (50MKx) connector D/14.
 - the WDB (50MKx) connector A/15 and the WDB (50MKx) connector D/15.
 - the WDB (50MKx) connector A/8 and the WDB (50MKx) connector D/8.
 - the WDB (50MKx) connector A/1 and the WDB (50MKx) connector D/1.

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- the WDB (50MKx) connector A/2 and the WDB (50MKx) connector D/2.
- 7 If the fault continues:
 - do a continuity check on all SEBs (100MKxx) on the left side of the cabin from the seat row behind the seat row YY to the seat row next to the WDB (50MKx) that serves the SEBs (100MKxx) above between:
 - the SEB (100MKxx) connector J1/6 and the SEB (100MKxx) connector J2/6.
 - a If there is no continuity:
 - replace that/these SEAT ELECTRONIC BOX(es) (100MKxx) above (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- 8 If the fault continues:
 - do a check and repair as necessary the wiring between the checked SEBs (100MKxx) behind the seat row YY (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/6 and the SEB (100MKxx) connector P2/6.
- 9 If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) nearest to the WDB (50MKx) that serves the checked SEB (100MKxx) and that WDB (50MKx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.
- 10 If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the seat row YY on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- 11 If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the seat row behind the seat row YY on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).

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- 12 If the fault continues:
 - replace the WALL DISCONNECT BOX (50MKx) that serves the last replaced SEB (100MKxx) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- 13 If the fault continues and:
 - \underline{a} If another WDB (50MKx) is connected in line to the seat row YY on the left side of the cabin:
 - replace the next WALL DISCONNECT BOX (50MKx) in line to the SEB (100MKxx) in the seat row YY (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- 14 If the fault continues:
 - do the para. above again until the WALL DISCONNECT BOX (50MKx) that serves the SEB (100MKxx) in the seat row YY on the left side of the cabin is replaced (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- C. Do the test given in Para. 3.A.

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TASK 23-33-00-810-802

R Fault of the BITE Data on the Bus between an SEB and the Main Multiplexer of the PES on the Left Side

1. Possible Causes

- MUX-PES, MAIN (8MK)
- TERMINATION PLUG (51MK2)
- WALL DISCONNECT BOX (50MK5)
- WALL DISCONNECT BOX (50MK3)
- WALL DISCONNECT BOX (50MK1)
- SEB TERMINATOR (101MKxx)
- SEAT ELECTRONIC BOX (100MKxx)
- wiring
- WALL DISCONNECT BOX (50MK7)

2. Job Set-up Information

A. Referenced Information

REFE	RENCE	DESIGNATION		
AMM	23-33-31-000-001	Removal of the Passenger Entertainment System Main		
AMM	23-33-31-400-001	Multiplexer (8MK) Installation of the Passenger Entertainment System Main Multiplexer (8MK)		
AMM	23-33-46-000-001	Removal of the Seat Electronic Box (SEB)		
AMM	23-33-46-400-001	Installation of the Seat Electronic Box (SEB)		
AMM	23-33-47-000-001	Removal of the Wall Disconnect Box (WDB)		
AMM	23-33-47-400-001	Installation of the Wall Disconnect Box (WDB)		
AMM	23-73-00-740-003	BITE-test of the Cabin Intercommunication Data System (CIDS) through the PTP		
ASM	23-33/02	<u>-</u>		
ASM	23-33/02			
ASM	23-33/03			

3. Fault Confirmation

- A. Reset of the PES System
 - (1) On the audio panel (123RH) of the Forward Attendant Panel (120RH) (FAP) push the PES ON/OFF membrane switch to de-energize the PES.
 - (2) On the audio panel (123RH) of the FAP (120RH) push the PES ON/OFF membrane switch to energize the PES.

NOTE: The maximum PES (music) power-on initialization time is up to 10 minutes. This includes the transfer of the seat layout from the CIDS CAM.

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R B. Do the BITE test of the Cabin Intercommunication Data System (CIDS) (Ref. AMM TASK 23-73-00-740-003).

4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the test gives the two maintenance messages 23-33-54/BUS S-ML and 23-33-54/BUS S-MR:
 - replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).

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- C. If the test gives the maintenance message 23-33-54/BUS S-ML:
 - make sure that a SEB TERMINATOR (101MKxx) is connected to the SEAT ELECTRONIC BOX (100MKxx) (SEB) in the last seat row on the left side of the cabin.
 - (1) If that is true:
 - do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the SEB (100MKxx) in the last seat row on the left side of the cabin (Ref. ASM 23-33/03).
 - (a) If the fault continues and:
 - 1 If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WALL DISCONNECT BOX(es) (50MKx) (WDB) in line to the WDB (50MK5):
 - repeat the check above on that/these SEB TERMINATOR(s) (101MKxx) (Ref. ASM 23-33/03).
 - (b) If the fault continues:
 - do a check for the functional condition and the correct installation of the TERMINATION PLUG (51MK2) on the WDB (50MK5) (Ref. ASM 23-33/02).
 - (c) If the fault continues:
 - do a continuity check on all SEBs (100MKxx) on the left side of the cabin from the last seat row to the seat row next to the WDB (50MKx) that serves the SEBs (100MKxx) above between:
 - the SEB (100MKxx) connector J1/6 and the SEB (100MKxx) connector J2/6.
 - the SEB (100MKxx) connector J1/5 and the SEB (100MKxx) connector J2/5.
 - the SEB (100MKxx) connector J1/7 and the SEB (100MKxx) connector J2/7.

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- the SEB (100MKxx) connector J1/8 and the SEB (100MKxx) connector J2/8.
- 1 If there is no continuity in a SEB:
 - replace that SEAT ELECTRONIC BOX (100MKxx) (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).

(d) If the fault continues:

- do a check and repair as necessary the wiring between the checked SEBs (100MKxx) (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the SEB (100MKxx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the SEB (100MKxx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the SEB (100MKxx) connector P1/8 and the SEB (100MKxx) connector P2/8.

(e) If the fault continues:

- do a check and repair as necessary the wiring between the SEB (100MKxx) nearest to the WDB (50MKx) that serves the checked SEB(s) (100MKxx) and that WDB (50MKx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.

(f) If the fault continues:

- do a check and repair as necessary the wiring between all WDBs (50MKx) on the left side of the cabin (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector A/13 and the WDB (50MKx) connector D/13.
 - the WDB (50MKx) connector A/14 and the WDB (50MKx) connector D/14.
 - the WDB (50MKx) connector A/15 and the WDB (50MKx) connector D/15.
 - the WDB (50MKx) connector A/8 and the WDB (50MKx) connector D/8.
 - the WDB (50MKx) connector A/1 and the WDB (50MKx) connector D/1.
 - the WDB (50MKx) connector A/2 and the WDB (50MKx) connector D/2.

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- (g) If the fault continues:
 - do a check and repair as necessary the wiring between the WDB (50MKx) next to the MUX-PES, MAIN (8MK) and the MUX-PES, MAIN (8MK) on the left side of the cabin (Ref. ASM 23-33/02) and (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector D/13 and the MUX-PES, MAIN (8MK) connector AA/A8.
 - the WDB (50MKx) connector D/14 and the MUX-PES, MAIN (8MK) connector AA/B8.
 - the WDB (50MKx) connector D/15 and the MUX-PES, MAIN (8MK) connector AA/C8.
 - the WDB (50MKx) connector D/8 and the MUX-PES, MAIN (8MK) connector AA/D7.
 - the WDB (50MKx) connector D/1 and the MUX-PES, MAIN (8MK) connector AA/A9.
 - the WDB (50MKx) connector D/2 and the MUX-PES, MAIN (8MK) connector AA/B9.
- (h) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the last seat row on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- (i) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK5) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (j) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK3) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (k) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK1) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (l) If the fault continues:
 - replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).
- (2) If no SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the last seat row on the left side of the cabin:
 - do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the WALL DISCONNECT BOX (50MKx) (WDB) which is connected to the SEB (100MKxx) in the last seat row on the left side of the cabin (Ref. ASM 23-33/03).
 - (a) If the fault continues and:
 - 1 If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WALL DISCONNECT BOX(es) (50MKx) (WDB) in line to the WDB (50MK5):

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- repeat the check above on that/these SEB TERMINATOR(s)
 (101MKxx) (Ref. ASM 23-33/03).
- (b) If the fault continues:
 - do a check for the functional condition and the correct installation of the TERMINATION PLUG (51MK2) on the WDB (50MK5) (Ref. ASM 23-33/02).
- (c) If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) in the last seat row on the left side of the cabin and the WDB (50MKx) that serves that SEB (100MKxx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.
- (d) If the fault continues:
 - do a check and repair as necessary the wiring between all WDBs (50MKx) on the left side of the cabin (Ref. ASM 23-33/02).
 - the WDB (50MKx) connector A/13 and the WDB (50MKx) connector D/13.
 - the WDB (50MKx) connector A/14 and the WDB (50MKx) connector D/14.
 - the WDB (50MKx) connector A/15 and the WDB (50MKx) connector D/15.
 - the WDB (50MKx) connector A/8 and the WDB (50MKx) connector D/8.
 - the WDB (50MKx) connector A/1 and the WDB (50MKx) connector D/1.
 - the WDB (50MKx) connector A/2 and the WDB (50MKx) connector D/2.
- (e) If the fault continues:
 - do a check and repair as necessary the wiring between the WDB (50MKx) next to the MUX-PES, MAIN (8MK) and the MUX-PES, MAIN (8MK) on the left side of the cabin (Ref. ASM 23-33/02) and (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector D/13 and the MUX-PES, MAIN (8MK) connector AA/A8.
 - the WDB (50MKx) connector D/14 and the MUX-PES, MAIN (8MK) connector AA/B8.
 - the WDB (50MKx) connector D/15 and the MUX-PES, MAIN (8MK) connector AA/C8.

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- the WDB (50MKx) connector D/8 and the MUX-PES, MAIN (8MK) connector AA/D7.
- the WDB (50MKx) connector D/1 and the MUX-PES, MAIN (8MK) connector AA/A9.
- the WDB (50MKx) connector D/2 and the MUX-PES, MAIN (8MK) connector AA/B9.
- (f) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the last seat row on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- (g) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK5) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (h) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK3) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (i) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK1) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (j) If the fault continues:
 - replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).

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- C. If the test gives the maintenance message 23-33-54/BUS S-ML:
 - make sure that a SEB TERMINATOR (101MKxx) is connected to the SEAT ELECTRONIC BOX (100MKxx) (SEB) in the last seat row on the left side of the cabin.
 - (1) If that is true:
 - do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the SEB (100MKxx) in the last seat row on the left side of the cabin (Ref. ASM 23-33/03).
 - (a) If the fault continues and:
 - 1 If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WALL DISCONNECT BOX(es) (50MKx) (WDB) in line to the WDB (50MK7):
 - repeat the check above on that/these SEB TERMINATOR(s) (101MKxx) (Ref. ASM 23-33/03).

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- (b) If the fault continues:
 - do a check for the functional condition and the correct installation of the TERMINATION PLUG (51MK2) on the WDB (50MK7) (Ref. ASM 23-33/02).
- (c) If the fault continues:
 - do a continuity check on all SEBs (100MKxx) on the left side of the cabin from the last seat row to the seat row next to the WDB (50MKx) that serves the SEBs (100MKxx) above between:
 - the SEB (100MKxx) connector J1/6 and the SEB (100MKxx) connector J2/6.
 - the SEB (100MKxx) connector J1/5 and the SEB (100MKxx) connector J2/5.
 - the SEB (100MKxx) connector J1/7 and the SEB (100MKxx) connector J2/7.
 - the SEB (100MKxx) connector J1/8 and the SEB (100MKxx) connector J2/8.
 - 1 If there is no continuity in a SEB:
 - replace that SEAT ELECTRONIC BOX (100MKxx) (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- (d) If the fault continues:
 - do a check and repair as necessary the wiring between the checked SEBs (100MKxx) (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the SEB (100MKxx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the SEB (100MKxx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the SEB (100MKxx) connector P1/8 and the SEB (100MKxx) connector P2/8.
- (e) If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) nearest to the WDB (50MKx) that serves the checked SEB(s) (100MKxx) and that WDB (50MKx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.

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- (f) If the fault continues:
 - do a check and repair as necessary the wiring between all WDBs (50MKx) on the left side of the cabin (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector A/13 and the WDB (50MKx) connector D/13.
 - the WDB (50MKx) connector A/14 and the WDB (50MKx) connector D/14.
 - the WDB (50MKx) connector A/15 and the WDB (50MKx) connector D/15.
 - the WDB (50MKx) connector A/8 and the WDB (50MKx) connector D/8.
 - the WDB (50MKx) connector A/1 and the WDB (50MKx) connector D/1.
 - the WDB (50MKx) connector A/2 and the WDB (50MKx) connector D/2.
- (g) If the fault continues:
 - do a check and repair as necessary the wiring between the WDB (50MKx) next to the MUX-PES, MAIN (8MK) and the MUX-PES, MAIN (8MK) on the left side of the cabin (Ref. ASM 23-33/02) and (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector D/13 and the MUX-PES, MAIN (8MK) connector AA/A8.
 - the WDB (50MKx) connector D/14 and the MUX-PES, MAIN (8MK) connector AA/B8.
 - the WDB (50MKx) connector D/15 and the MUX-PES, MAIN (8MK) connector AA/C8.
 - the WDB (50MKx) connector D/8 and the MUX-PES, MAIN (8MK) connector AA/D7.
 - the WDB (50MKx) connector D/1 and the MUX-PES, MAIN (8MK) connector AA/A9.
 - the WDB (50MKx) connector D/2 and the MUX-PES, MAIN (8MK) connector AA/B9.
- (h) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the last seat row on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- (i) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK7) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (i) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK5) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (k) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK3) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).

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- (l) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK1) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (m) If the fault continues:
 - replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).
- (2) If no SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the last seat row on the left side of the cabin:
 - do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the WALL DISCONNECT BOX (50MKx) (WDB) which is connected to the SEB (100MKxx) in the last seat row on the left side of the cabin (Ref. ASM 23-33/03).
 - (a) If the fault continues and:
 - 1 If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WALL DISCONNECT BOX(es) (50MKx) (WDB) in line to the WDB (50MK7):
 - repeat the check above on that/these SEB TERMINATOR(s)
 (101MKxx) (Ref. ASM 23-33/03).
 - (b) If the fault continues:
 - do a check for the functional condition and the correct installation of the TERMINATION PLUG (51MK2) on the WDB (50MK7) (Ref. ASM 23-33/02).
 - (c) If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) in the last seat row on the left side of the cabin and the WDB (50MKx) that serves that SEB (100MKxx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.
 - (d) If the fault continues:
 - do a check and repair as necessary the wiring between all WDBs (50MKx) on the left side of the cabin (Ref. ASM 23-33/02).
 - the WDB (50MKx) connector A/13 and the WDB (50MKx) connector D/13.
 - the WDB (50MKx) connector A/14 and the WDB (50MKx) connector D/14.

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- the WDB (50MKx) connector A/15 and the WDB (50MKx) connector
- the WDB (50MKx) connector A/8 and the WDB (50MKx) connector D/8.
- the WDB (50MKx) connector A/1 and the WDB (50MKx) connector D/1.
- the WDB (50MKx) connector A/2 and the WDB (50MKx) connector D/2.

(e) If the fault continues:

- do a check and repair as necessary the wiring between the WDB (50MKx) next to the MUX-PES, MAIN (8MK) and the MUX-PES, MAIN (8MK) on the left side of the cabin (Ref. ASM 23-33/02) and (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector D/13 and the MUX-PES, MAIN (8MK) connector AA/A8.
 - the WDB (50MKx) connector D/14 and the MUX-PES, MAIN (8MK) connector AA/B8.
 - the WDB (50MKx) connector D/15 and the MUX-PES, MAIN (8MK) connector AA/C8.
 - the WDB (50MKx) connector D/8 and the MUX-PES, MAIN (8MK) connector AA/D7.
 - the WDB (50MKx) connector D/1 and the MUX-PES, MAIN (8MK) connector AA/A9.
 - the WDB (50MKx) connector D/2 and the MUX-PES, MAIN (8MK) connector AA/B9.

(f) If the fault continues:

- replace the SEAT ELECTRONIC BOX (100MKxx) in the last seat row on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- (q) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK7) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (h) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK5) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (i) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK3) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (j) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK1) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (k) If the fault continues:
 - replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).

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

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TASK 23-33-00-810-803

Fault of the Control Data on the Bus between the Main Multiplexer and a SEB of the PES on the Left Side

1. Possible Causes

- MUX-PES, MAIN (8MK)
- SEB TERMINATOR (101MKxx)
- SEAT ELECTRONIC BOX (100MKxx)
- wiring
- WALL DISCONNECT BOX (50MKx)

2. Job Set-up Information

A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	23-33-31-000-001	Removal of the Passenger Entertainment System Main Multiplexer (8MK)	
	AMM	23-33-31-400-001	Installation of the Passenger Entertainment System Main Multiplexer (8MK)	
	AMM	23-33-46-000-001	Removal of the Seat Electronic Box (SEB)	
	AMM	23-33-46-400-001	Installation of the Seat Electronic Box (SEB)	
	AMM	23-33-47-000-001	Removal of the Wall Disconnect Box (WDB)	
	AMM	23-33-47-400-001	Installation of the Wall Disconnect Box (WDB)	
R R	AMM	23-73-00-740-003	BITE-test of the Cabin Intercommunication Data System (CIDS) through the PTP	
	ASM	23-33/02	-	
	ASM	23-33/02		
	ASM	23-33/03		

3. Fault Confirmation

- A. Reset of the PES System
 - (1) On the audio panel (123RH) of the Forward Attendant Panel (120RH) (FAP) push the PES ON/OFF membrane switch to de-energize the PES.
 - (2) On the audio panel (123RH) of the FAP (120RH) push the PES ON/OFF membrane switch to energize the PES.

NOTE : The maximum PES (music) power-on initialization time is up to 10 minutes. This includes the transfer of the seat layout from the CIDS CAM.

R B. Do the BITE test of the Cabin Intercommunication Data System (CIDS) (Ref. AMM TASK 23-73-00-740-003).

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4. Fault Isolation

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- R A. If the test gives a different maintenance message, do the trouble
 R shooting procedure related to the maintenance message.
 - B. If the test gives the two maintenance messages 23-33-54/BUS M-SL and 23-33-54/BUS M-SR:
 - replace the MUX-PES, MAIN (8MK) (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).
 - C. If the test gives the maintenance message 23-33-54/BUS M-SL:
 - make sure that a SEB TERMINATOR (101MKxx) is connected to the SEAT ELECTRONIC BOX (100MKxx) (SEB) in the first seat row on the left side of the cabin.
 - (1) If that is true:
 - do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the SEB (100MKxx) in the first seat row on the left side of the cabin (Ref. ASM 23-33/03).
 - (a) If the fault continues and:
 - 1 If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WALL DISCONNECT BOX(es) (50MKx) (WDB) in line to the MUX-PES, MAIN (8MK)
 - repeat the check above on that/these SEB TERMINATOR(s) (101MKxx) (Ref. ASM 23-33/03).
 - (b) If the fault continues:
 - do a continuity check on all SEBs (100MKxx) on the left side of the cabin from the first seat row to the seat row next to the WDB (50MKx) that serves the SEBs (100MKxx) above between:
 - the SEB (100MKxx) connector J1/6 and the SEB (100MKxx) connector J2/6.
 - the SEB (100MKxx) connector J1/5 and the SEB (100MKxx) connector J2/5.
 - the SEB (100MKxx) connector J1/7 and the SEB (100MKxx) connector J2/7.
 - the SEB (100MKxx) connector J1/8 and the SEB (100MKxx) connector J2/8.
 - 1 If there is no continuity in a SEB:
 - replace that SEAT ELECTRONIC BOX (100MKxx) (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).

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(c) If the fault continues:

- do a check and repair as necessary the wiring between the checked SEBs (100MKxx) (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the SEB (100MKxx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the SEB (100MKxx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the SEB (100MKxx) connector P1/8 and the SEB (100MKxx) connector P2/8.

(d) If the fault continues:

- do a check and repair as necessary the wiring between the SEB (100MKxx) nearest to the WDB (50MKx) that serves the checked SEB(s) (100MKxx) and that WDB (50MKx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.

(e) If the fault continues:

- do a check and repair as necessary the wiring between all WDBs (50MKx) from the WDB (50MKx) that serves the checked SEB(s) (100MKxx) and the WDB (50MKx) next to the MUX-PES, MAIN (8MK) (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector A/13 and the WDB (50MKx) connector D/13.
 - the WDB (50MKx) connector A/14 and the WDB (50MKx) connector D/14.
 - the WDB (50MKx) connector A/15 and the WDB (50MKx) connector D/15.
 - the WDB (50MKx) connector A/8 and the WDB (50MKx) connector D/8.
 - the WDB (50MKx) connector A/1 and the WDB (50MKx) connector D/1.
 - the WDB (50MKx) connector A/2 and the WDB (50MKx) connector D/2.

(f) If the fault continues:

- do a check and repair as necessary the wiring between the WDB (50MKx) next to the MUX-PES, MAIN (8MK) and the MUX-PES, MAIN (8MK) on the left side of the cabin (Ref. ASM 23-33/02) and (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector D/13 and the MUX-PES, MAIN (8MK) connector AA/A8.

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- the WDB (50MKx) connector D/14 and the MUX-PES, MAIN (8MK) connector AA/B8.
- the WDB (50MKx) connector D/15 and the MUX-PES, MAIN (8MK) connector AA/C8.
- the WDB (50MKx) connector D/8 and the MUX-PES, MAIN (8MK) connector AA/D7.
- the WDB (50MKx) connector D/1 and the MUX-PES, MAIN (8MK) connector AA/A9.
- the WDB (50MKx) connector D/2 and the MUX-PES, MAIN (8MK) connector AA/B9.
- (g) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the first seat row on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- (h) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MKx) that serves the SEB (100MKxx) in the first seat row on the left side of the cabin (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (i) If the fault continues and:
 - 1 If another WDB (50MKx) is connected in line to the MUX-PES,
 MAIN (8MK) on the left side of the cabin :
 - replace that WALL DISCONNECT BOX (50MKx) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (j) If the fault continues:
 - do para. above again until the WDB (50MKx) next to the MUX-PES, MAIN (8MK) is replaced (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (k) If the fault continues:
 - replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).
- (2) If no SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the first seat row on the left side of the cabin:
 - do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the WALL DISCONNECT BOX (50MKx) (WDB) which is connected to the SEB (100MKxx) in the first seat row on the left side of the cabin (Ref. ASM 23-33/03).
 - (a) If the fault continues and:
 - 1 If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WALL DISCONNECT BOX(es) (50MKx) (WDB) in line to the MUX-PES, MAIN (8MK)
 - repeat the check above on that/these SEB TERMINATOR(s) (101MKxx) (Ref. ASM 23-33/03).

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(b) If the fault continues:

- do a check and repair as necessary the wiring between the SEB (100MKxx) in the first seat row on the left side of the cabin and the WDB (50MKx) that serves that SEB (100MKxx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.

(c) If the fault continues:

- do a check and repair as necessary the wiring between all WDBs (50MKx) from the WDB (50MKx) that serves the checked SEB (100MKxx) and the WDB (50MKx) next to the MUX-PES, MAIN (8MK) (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector A/13 and the WDB (50MKx) connector D/13.
 - the WDB (50MKx) connector A/14 and the WDB (50MKx) connector D/14.
 - the WDB (50MKx) connector A/15 and the WDB (50MKx) connector D/15.
 - the WDB (50MKx) connector A/8 and the WDB (50MKx) connector D/8.
 - the WDB (50MKx) connector A/1 and the WDB (50MKx) connector D/1.
 - the WDB (50MKx) connector A/2 and the WDB (50MKx) connector D/2.

(d) If the fault continues:

- do a check and repair as necessary the wiring between the WDB (50MKx) next to the MUX-PES, MAIN (8MK) and the MUX-PES, MAIN (8MK) on the left side of the cabin (Ref. ASM 23-33/02) and (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector D/13 and the MUX-PES, MAIN (8MK) connector AA/A8.
 - the WDB (50MKx) connector D/14 and the MUX-PES, MAIN (8MK) connector AA/B8.
 - the WDB (50MKx) connector D/15 and the MUX-PES, MAIN (8MK) connector AA/C8.
 - the WDB (50MKx) connector D/8 and the MUX-PES, MAIN (8MK) connector AA/D7.
 - the WDB (50MKx) connector D/1 and the MUX-PES, MAIN (8MK) connector AA/A9.
 - the WDB (50MKx) connector D/2 and the MUX-PES, MAIN (8MK) connector AA/B9.

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- (e) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the first seat row on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- (f) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MKx) that serves the SEB (100MKxx) in the first seat row on the left side of the cabin (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (g) If the fault continues and:
 - 1 If another WDB (50MKx) is connected in line to the MUX-PES, MAIN (8MK) on the left side of the cabin :
 - replace that WALL DISCONNECT BOX (50MKx) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (h) If the fault continues:
 - do the para. above again until the WDB (50MKx) next to the MUX-PES, MAIN (8MK) is replaced (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (i) If the fault continues:
 - replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).
- D. Do the test given in Para 3.B.

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TASK 23-33-00-810-825

Fault of a SEB in the Specified Seat Row on the Left Side

1. Possible Causes

- SEB TERMINATOR (101MKxx)
- SEAT ELECTRONIC BOX (100MKxx)
- wirina
- WALL DISCONNECT BOX (50MKx)

2. Job Set-up Information

A. Referenced Information

REI	FERENCE	DESIGNATION	
AMI AMI R AMI R	M 23-33-46-000-001 M 23-33-46-400-001 M 23-33-47-000-001 M 23-33-47-400-001 M 23-73-00-740-003	Removal of the Seat Electronic Box (SEB) Installation of the Seat Electronic Box (SEB) Removal of the Wall Disconnect Box (WDB) Installation of the Wall Disconnect Box (WDB) BITE-test of the Cabin Intercommunication Data System (CIDS) through the PTP	

3. Fault Confirmation

A. Do the BITE test of the Cabin Intercommunication Data System (CIDS) (Ref. AMM TASK 23-73-00-740-003).

4. Fault Isolation

R

- A. Different and additional maintenance messages
 - (1) If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - (2) If the test gives an additional maintenance message and that message shows a PES bus failure:
 - do the related trouble shooting procedure for that PES bus failure first.

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- B. If the test gives the maintenance message 23-33-46/SEB XXL:
 - make sure that a SEB TERMINATOR (101MKxx) is connected to the SEAT ELECTRONIC BOX (100MKxx) (SEB) in the seat row XX on the left side of the cabin.
 - (1) If that is true:
 - do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the SEB (100MKxx) in the seat row XX on the left side of the cabin. (Ref. ASM 23-33/03).
 - (a) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) (SEB) in the seat row XX on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - (b) If the fault continues:
 - make sure that the SEB (100MKxx) in the seat row XX on the left side of the cabin is connected to a WALL DISCONNECT BOX (50MKx) (WBD).
 - 1 If that is true:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/7 and in the seat row XX the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and in the seat row XX the SEB (100MKxx) connector P2/8.
 - the WDB (50MKx) connector P1/5 and in the seat row XX the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/9 and in the seat row XX the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/6 and in the seat row XX the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/1 and in the seat row XX the SEB (100MKxx) connector P2/1.
 - the WDB (50MKx) connector P1/2 and in the seat row XX the SEB (100MKxx) connector P2/2.
 - the WDB (50MKx) connector P1/4 and in the seat row XX the SEB (100MKxx) connector P2/4.
 - a If the fault continues:
 - replace the WDB (50MKx) that serves the SEB (100MKxx) in the seat row XX (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
 - 2 If the SEB (100MKxx) in the seat row XX on the left side of the cabin is connected to another SEB (100MKxx):
 - replace the SEAT ELECTRONIC BOX (100MKxx) to which the SEB (100MKxx) in the seat row XX is connected (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).

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- a If the fault continues:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-33/03):
 - the last replaced SEB (100MKxx) connector P1/7 and in the seat row XX the SEB (100MKxx) connector P2/7.
 - the last replaced SEB (100MKxx) connector P1/8 and in
 - the seat row XX the SEB (100MKxx) connector P2/8.
 - the last replaced SEB (100MKxx) connector P1/5 and in
 - the seat row XX the SEB (100MKxx) connector P2/5.
 - the last replaced SEB (100MKxx) connector P1/9 and in
 - the seat row XX the SEB (100MKxx) connector P2/9.
 - the last replaced SEB (100MKxx) connector P1/6 and in
 - the seat row XX the SEB (100MKxx) connector P2/6.
 - the last replaced SEB (100MKxx) connector P1/1 and in the seat row XX the SEB (100MKxx) connector P2/1.
 - the last replaced SEB (100MKxx) connector P1/2 and in
 - the seat row XX the SEB (100MKxx) connector P2/2.
 - the last replaced SEB (100MKxx) connector P1/4 and in the seat row XX the SEB (100MKxx) connector P2/4.
- (2) If the SEB (100MKxx) in the seat row XX on the left side of the cabin is connected to a WALL DISCONNECT BOX (50MKx) (WBD):
 - replace the SEAT ELECTRONIC BOX (100MKxx) (SEB) in the seat row XX on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - (a) If the fault continues:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/7 and in the seat row XX the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and in the seat row XX the SEB (100MKxx) connector P2/8.
 - the WDB (50MKx) connector P1/5 and in the seat row XX the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/9 and in the seat row XX the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/6 and in the seat row XX the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/1 and in the seat row XX the SEB (100MKxx) connector P2/1.
 - the WDB (50MKx) connector P1/2 and in the seat row XX the SEB (100MKxx) connector P2/2.
 - the WDB (50MKx) connector P1/4 and in the seat row XX the SEB (100MKxx) connector P2/4.
 - (b) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) to which the SEB (100MKxx) in the seat row XX is connected (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).

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- (c) If the fault continues:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-33/03):
 - the last replaced SEB (100MKxx) connector P2/7 and in the seat row XX the SEB (100MKxx) connector P1/7.
 - the last replaced SEB (100MKxx) connector P2/8 and in the seat row XX the SEB (100MKxx) connector P1/8.
 - the last replaced SEB (100MKxx) connector P2/5 and in the seat row XX the SEB (100MKxx) connector P1/5.
 - the last replaced SEB (100MKxx) connector P2/9 and in the seat row XX the SEB (100MKxx) connector P1/9.
 - the last replaced SEB (100MKxx) connector P2/6 and in the seat row XX the SEB (100MKxx) connector P1/6.
 - the last replaced SEB (100MKxx) connector P2/1 and in the seat row XX the SEB (100MKxx) connector P1/1.
 - the last replaced SEB (100MKxx) connector P2/2 and in the seat row XX the SEB (100MKxx) connector P1/2.
 - the last replaced SEB (100MKxx) connector P2/4 and in the seat row XX the SEB (100MKxx) connector P1/4.
- (d) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MKx) that serves the SEB (100MKxx) in the seat row XX (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (3) If the SEB (100MKxx) in the seat row XX on the left side of the cabin is connected to two other SEBs (100MKxx):
 - replace the SEAT ELECTRONIC BOX (100MKxx) (SEB) in the seat row XX on the left side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - (a) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in line to the WBD (50MKx) that serves the SEBs (100MKxx) above (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - (b) If the fault continues:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-33/03):
 - the last replaced SEB (100MKxx) connector P1/7 and in the seat row XX the SEB (100MKxx) connector P2/7.
 - the last replaced SEB (100MKxx) connector P1/8 and in the seat row XX the SEB (100MKxx) connector P2/8.
 - the last replaced SEB (100MKxx) connector P1/5 and in the seat row XX the SEB (100MKxx) connector P2/5.
 - the last replaced SEB (100MKxx) connector P1/9 and in the seat row XX the SEB (100MKxx) connector P2/9.
 - the last replaced SEB (100MKxx) connector P1/6 and in the seat row XX the SEB (100MKxx) connector P2/6.
 - the last replaced SEB (100MKxx) connector P1/1 and in the seat row XX the SEB (100MKxx) connector P2/1.

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- the last replaced SEB (100MKxx) connector P1/2 and in the seat row XX the SEB (100MKxx) connector P2/2.
- the last replaced SEB (100MKxx) connector P1/4 and in the seat row XX the SEB (100MKxx) connector P2/4.
- (c) If the fault continues:
 - replace the other SEAT ELECTRONIC BOX (100MKxx) to which the SEB (100MKxx) in the seat row XX is connected (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- (d) If the fault continues:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-33/03):
 - the last replaced SEB (100MKxx) connector P2/7 and in the seat row XX the SEB (100MKxx) connector P1/7.
 - the last replaced SEB (100MKxx) connector P2/8 and in the seat row XX the SEB (100MKxx) connector P1/8.
 - the last replaced SEB (100MKxx) connector P2/5 and in the seat row XX the SEB (100MKxx) connector P1/5.
 - the last replaced SEB (100MKxx) connector P2/9 and in the seat row XX the SEB (100MKxx) connector P1/9.
 - the last replaced SEB (100MKxx) connector P2/6 and in the seat row XX the SEB (100MKxx) connector P1/6.
 - the last replaced SEB (100MKxx) connector P2/1 and in the seat row XX the SEB (100MKxx) connector P1/1.
 - the last replaced SEB (100MKxx) connector P2/2 and in the seat row XX the SEB (100MKxx) connector P1/2.
 - the last replaced SEB (100MKxx) connector P2/4 and in the seat row XX the SEB (100MKxx) connector P1/4.
- C. Do the test given in Para. 3.A.

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- R TASK 23-33-00-810-826
- R Fault of the Main Multiplexer to keep the Communication with all LH SEBs
- R 1. Possible Causes
- R MUX-PES, MAIN (8MK)
- R 2. Job Set-up Information
- R A. Referenced Information

R R R	REFE	RENCE	DESIGNATION
R R	AMM	23-33-31-000-001	Removal of the Passenger Entertainment System Main Multiplexer (8MK)
R R	AMM	23-33-31-400-001	Installation of the Passenger Entertainment System Main Multiplexer (8MK)
R R	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS

- R 3. Fault Confirmation
- R A. Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) (Ref. AMM TASK 23-73-00-740-005).
- R 4. Fault Isolation

R R

R R

- R A. Different and additional maintenance messages
- R (1) If the test gives a different maintenance message, do the troubleR shooting procedure related to the maintenance message.
 - (2) If the test gives an additional maintenance message and that message shows a PES bus failure:
 - do the related trouble shooting procedure for that PES bus Failure first.
- R B. If the test gives the maintenance message 23-33-46/SEB 94L or 23-33-46/SEB 95L:
- R replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and R (Ref. AMM TASK 23-33-31-400-001).
- R C. Do the test given in para. 3.A.

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TASK 23-33-00-810-827

Fault of the Bus or the Connected Units of the PES between the Specified Seat Rows on the Right Side

1. Possible Causes

- wiring
- SEAT ELECTRONIC BOX (100MKxx)
- SEB TERMINATOR (101MKxx)
- WALL DISCONNECT BOX (50MKx)

2. Job Set-up Information

A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-33-00-740-002	BITE-Test of the Passenger Entertainment System (Music) with the Programming and Test Panel (PTP)
AMM	23-33-46-000-001	Removal of the Seat Electronic Box (SEB)
AMM	23-33-46-400-001	Installation of the Seat Electronic Box (SEB)
AMM	23-33-47-000-001	Removal of the Wall Disconnect Box (WDB)
AMM	23-33-47-400-001	Installation of the Wall Disconnect Box (WDB)
AMM	23-73-00-740-003	BITE-test of the Cabin Intercommunication Data System (CIDS) through the PTP
ASM	23-33/02	
ASM	23-33/03	

3. Fault Confirmation

R A. Do the BITE test of the cabin intercommunication data system (CIDS) (Ref. AMM TASK 23-73-00-740-003).

4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the test gives the maintenance message 23-33-54/BUS XXYYR:
 - do a check for the correct identification of the SEAT ELECTRONIC BOX (100MKxx) (SEB) in the seat rows XX and YY.
 - (1) If the position of the SEB (100MKxx) in seat row XX is correctly identified:
 - Make sure that the SEB (100MKxx) in front of the seat row XX is connected to the SEB (100MKxx) in the seat row XX on the right side of the cabin.

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- (a) If that is true:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) in front of the seat row XX and the SEB (100MKxx) in the seat row XX on the right side of the cabin. (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the SEB (100MKxx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the SEB (100MKxx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the SEB (100MKxx) connector P1/8 and the SEB (100MKxx) connector P2/8.
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
 - 1 If the test gives a different maintenance message 23-33-54/BUS XXYYR:
 - continue with para. 4.B.(2).
 - 2 If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the seat row XX on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - a If the BITE test (part of installation procedure) gives a different maintenance message 23-33-54/BUS XXYYR:
 continue with para. 4.B.(2).
 - 3 If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the seat row in front of the seat row XX on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - <u>a</u> If the BITE test (part of installation procedure) gives a different maintenance message 23-33-54/BUS XXYYR:
 continue with para. 4.B.(2).
- (b) If a WALL DISCONNECT BOX (50MKx) (WDB) is connected directly to the SEB (100MKxx) in the seat row XX, instead of the SEB (100MKxx) in the seat row in front of the seat row XX on the right side of the cabin and:
 - 1 If a SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the seat row in front of the seat row XX:
 - do a check for the functional condition and the correct installation of that SEB TERMINATOR (101MKxx) (Ref. ASM 23-33/03).
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).

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- <u>a</u> If the test gives a different maintenance message 23-33-54/BUS XXYYR:
 - continue with para. 4.B.(2).
- 2 If the fault coninues and:
 - a If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WDB(s) (50MKx) in line to the SEB (100MKxx) in the seat row in front of the seat row XX:
 - do the check above again on that/these SEB TERMINATORS(s) (101MKxx) (Ref. ASM 23-33/03).
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
 - <u>b</u> If the test gives a different maintenance message 23-33-54/BUS XXYYR:
 - continue with para. 4.B.(2).
- 3 If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) in the seat row XX and the connected WDB (50MKx) on the right side of the cabin (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
 - <u>a</u> If the test gives a different maintenance message 23-33-54/BUS XXYYR:
 - continue with para. 4.B.(2).
- 4 If the fault continues:
 - continue with para. 4.B.(1)(c)7_.
- (c) If a SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the seat row XX, instead of the SEB (100MKxx) in the seat row in front of the seat row XX on the right side of the cabin:
 - do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the SEB (100MKxx) in the seat row XX (Ref. ASM 23-33/03).
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).

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- If the test gives a different maintenance message 23-33-54/BUS XXYYR-
 - continue with para. 4.B.(2).
- 2 If the fault continues and:
 - <u>a</u> If a SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the seat row in front of the seat row XX:
 - do a check for the functional condition and the correct installation of that SEB TERMINATOR (101MKxx) (Ref. ASM 23-33/03).
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
 - <u>b</u> If the test gives a different maintenance message 23-33-54/BUS XXYYR:
 - continue with para. 4.B.(2).
- 3 If the fault continues and:
 - a If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WDB(s) (50MKx) in line to the SEB (100MKxx) in the seat row in front of the seat row XX:
 - do the check above again on that/these SEB TERMINATOR(s) (101MKxx) (Ref. ASM 23-33/03).
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
 - <u>b</u> If the BITE test gives a different maintenance message 23-33-54/BUS XXYYR:
 - continue with para. 4.B.(2).
- 4 If the fault continues:
 - do a continuity check on all SEBs (100MKxx) on the right side of the cabin from the seat row XX to the seat row next to the WDB (50MKx) that serves the SEB(s) above between:
 - the SEB (100MKxx) connector J1/6 and the SEB (100MKxx) connector J2/6.
 - the SEB (100MKxx) connector J1/5 and the SEB (100MKxx) connector J2/5.
 - the SEB (100MKxx) connector J1/7 and the SEB (100MKxx) connector J2/7.
 - the SEB (100MKxx) connector J1/8 and the SEB (100MKxx) connector J2/8.
 - a If there is no continuity in a SEB:
 - replace that SEAT ELECTRONIC BOX (100MKxx) (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - <u>b</u> If the BITE test (part of installation procedure) gives a different maintenance message 23-33-54/BUS XXYYR:
 continue with para. 4.B.(2).

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- 5 If the fault continues:
 - do a check and repair as necessary the wiring between the checked SEBs (100MKxx) (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the SEB (100MKxx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the SEB (100MKxx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the SEB (100MKxx) connector P1/8 and the SEB (100MKxx) connector P2/8.
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
 - <u>a</u> If the test gives a different maintenance message 23-33-54/BUS XXYYR:
 - continue with para. 4.B.(2).
- 6 If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) nearest to the WDB (50MKx) that serves the checked SEB(s) (100MKxx) and that WDB (50MKx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
 - <u>a</u> If the test gives a different maintenance message 23-33-54/BUS XXYYR:
 - continue with para. 4.B.(2).
- 7 If the fault continues:
 - do a check and repair as necessary the wiring between all WDBs (50MKx) from the WDB (50MKx) that serves the SEB (100MKxx) in the seat row XX and the WBD (50MKx) that serves the SEB (100MKxx) in front of seat row XX (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector A/13 and the WDB (50MKx) connector D/13.
 - the WDB (50MKx) connector A/14 and the WDB (50MKx) connector D/14.
 - the WDB (50MKx) connector A/15 and the WDB (50MKx) connector D/15.

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- the WDB (50MKx) connector A/8 and the WDB (50MKx) connector D/8.
- the WDB (50MKx) connector A/1 and the WDB (50MKx) connector D/1.
- the WDB (50MKx) connector A/2 and the WDB (50MKx) connector D/2.
- do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
- <u>a</u> If the test gives a different maintenance message 23-33-54/BUS XXYYR:
 - continue with para. 4.B.(2).
- 8 If the fault continues:
 - do a continuity check on all SEBs (100MKxx) on the right side of the cabin from the seat row in front of the seat row XX to the seat row next to the WDB (50MKx) that serves the SEBs (100MKxx) above between:
 - the SEB (100MKxx) connector J1/6 and the SEB (100MKxx) connector J2/6.
 - a If there is no continuity:
 - replace that/these SEAT ELECTRONIC BOX(es) (100MKxx) above (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - <u>b</u> If the BITE test (part of installation procedure) gives a different maintenance message 23-33-54/BUS XXYYR:
 continue with para. 4.B.(2).
- 9 If the fault continues:
 - do a check and repair as necessary the wiring between the checked SEBs (100MKxx) in front of the seat row XX (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
 - <u>a</u> If the test gives a different maintenance message 23-33-54/BUS XXYYR:
 - continue with para. 4.B.(2).
- 10 If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) nearest to the WDB (50MKx) that serves the checked SEB (100MKxx) and that WDB (50MKx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.

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- the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
- the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
- the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.
- do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002).
- <u>a</u> If the test gives a different maintenance message 23-33-54/BUS XXYYR:
 - continue with para. 4.B.(2).
- 11 If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the seat row XX on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - a If the BITE test (part of installation procedure) gives a different maintenance message 23-33-54/BUS XXYYR:

 continue with para. 4.B.(2).
- 12 If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the seat row in front of the seat row XX on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - <u>a</u> If the BITE test (part of installation procedure) gives a different maintenance message 23-33-54/BUS XXYYR:
 continue with para. 4.B.(2).
- 13 If the fault continues:
 - replace the WALL DISCONNECT BOX (50MKx) that serves the last replaced SEB (100MKxx) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
 - <u>a</u> If the BITE test (part of installation procedure) gives a different maintenance message 23-33-54/BUS XXYYR:
 continue with para. 4.B.(2).
- 14 If the fault continues and:
 - <u>a</u> If another WDB (50MKx) is connected in line to the seat row XX on the right side of the cabin:
 - replace the next WALL DISCONNECT BOX (50MKx) in line to the seat row XX (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
 - <u>b</u> If the BITE test (part of installation procedure) gives a different maintenance message 23-33-54/BUS XXYYR:
 continue with para. 4.B.(2).

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- 15 If the fault continues:
 - do para. above again until the WALL DISCONNECT BOX (50MKx) that serves the SEB (100MKxx) in the seat row XX on the right side of the cabin is replaced (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (2) If the position of the SEB (100MKxx) in the seat row YY is correctly identified:
 - Make sure that the SEB (100MKxx) behind the seat row YY is connected to the SEB (100MKxx) in the seat row YY on the right side of the cabin.
 - (a) If that is true:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) behind the seat row YY and the SEB (100MKxx) in the seat row YY on the right side of the cabin. (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the SEB (100MKxx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the SEB (100MKxx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the SEB (100MKxx) connector P1/8 and the SEB (100MKxx) connector P2/8.
 - 1 If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the seat row YY on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - 2 If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the seat row behind the seat row YY on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - (b) If a WALL DISCONNECT BOX (50MKx) is connected directly to the SEB (100MKxx) in the seat row YY, instead of the SEB (100MKxx) in the seat row behind the seat row YY on the right side of the cabin and:
 - 1 If a SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the seat row behind the seat row YY:
 - do a check for the functional condition and the correct installation of that SEB TERMINATOR (101MKxx) (Ref. ASM 23-33/03).

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- 2 If the fault continues and:
 - a If another /other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WDB(s) (50MKx) in line to the SEB (100MKxx) in the seat row behind the seat row YY:
 - do the check above again on that/these SEB TERMINATOR(s) (101MKxx) (Ref. ASM 23-33/03).
- 3 If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) in the seat row YY and the connected WDB (50MKx) on the right side of the cabin (Ref. ASM 23-33/03):
 the WDB (50MKx) connector P1/6 and the SEB (100MKxx)
 - connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.
- 4 If the fault continues:
 - continue with para. 4.B.(2)(c)6.
- (c) If a SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the seat row YY, instead of the SEB (100MKxx) in the seat row behind the seat row YY on the right side of the cabin:
 - do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the SEB (100MKxx) in the seat row YY (Ref. ASM 23-33/03).
 - 1 If the fault continues and:
 - <u>a</u> If a SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the seat row behind the seat row YY:
 - do a check the functional condition and correct installation of that SEB (100MKxx) (Ref. ASM 23-33/03).
 - 2 If the fault continues and:
 - a If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WDB(s) (50MKx) in line to the SEB (100MKxx) in the seat row behind the seat row YY:
 - do the check above again on that/these SEB TERMINATOR(s) (101MKxx) (Ref. ASM 23-33/03).
 - 3 If the fault continues:
 - do a continuity check on all SEBs (100MKxx) on the right side of the cabin from the seat row YY to the seat row next to the WDB (50MKx) between:

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- the SEB (100MKxx) connector J1/6 and the SEB (100MKxx) connector J2/6.
- the SEB (100MKxx) connector J1/5 and the SEB (100MKxx) connector J2/5.
- the SEB (100MKxx) connector J1/7 and the SEB (100MKxx) connector J2/7.
- the SEB (100MKxx) connector J1/8 and the SEB (100MKxx) connector J2/8.
- a If there is no continuity in a SEB:
 - replace that SEAT ELECTRONIC BOX (100MKxx) (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).

4 If the fault continues:

- do a check and repair as necessary the wiring between checked SEBs (100MKxx) (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the SEB (100MKxx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the SEB (100MKxx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the SEB (100MKxx) connector P1/8 and the SEB (100MKxx) connector P2/8.

5 If the fault continues:

- do a check and repair as necessary the wiring between the SEB (100MKxx) nearest to the WDB (50MKx) that serves the checked SEB(s) (100MKxx) and that WDB (50MKx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.

6 If the fault continues:

- do a check and repair as necessary the wiring between all WDBs (50MKx) from the WDB (50MKx) that serves the seat row YY and the WBD (50MKx) that serves the SEB (100MKxx) backward of the seat row YY (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector A/13 and the WDB (50MKx) connector D/13.
 - the WDB (50MKx) connector A/14 and the WDB (50MKx) connector D/14.
 - the WDB (50MKx) connector A/15 and the WDB (50MKx) connector D/15.

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- the WDB (50MKx) connector A/8 and the WDB (50MKx) connector D/8.
- the WDB (50MKx) connector A/1 and the WDB (50MKx) connector D/1.
- the WDB (50MKx) connector A/2 and the WDB (50MKx) connector D/2.

7 If the fault continues:

- do a continuity check on all SEBs (100MKxx) on the right side of the cabin from the seat row behind the seat row YY to the seat row next to the WDB (50MKx) that serves the SEBs (100MKxx) above between:
 - the SEB (100MKxx) connector J1/6 and the SEB (100MKxx) connector J2/6.
- a If there is no continuity:
 - replace that/these SEAT ELECTRONIC BOX(es) (100MKxx) above (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- 8 If the fault continues:
 - do a check and repair as necessary the wiring between the checked SEBs (100MKxx) behind the seat row YY (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/6 and the SEB (100MKxx) connector P2/6.
- 9 If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) nearest to the WDB (50MKx) that serves the checked SEB (100MKxx) and that WDB (50MKx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.
- 10 If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the seat row YY on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).

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- 11 If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the seat row behind the seat row YY on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- 12 If the fault continues:
 - replace the WALL DISCONNECT BOX (50MKx) that serves the last replaced SEB (100MKxx) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- 13 If the fault continues and:
 - <u>a</u> If another WDB (50MKx) is connected in line to the seat row YY on the right side of the cabin:
 - replace the next WALL DISCONNECT BOX (50MKx) in line to the SEB (100MKxx) in the seat row YY (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- 14 If the fault continues:
 - do the para. above again until the WALL DISCONNECT BOX (50MKx) that serves the SEB (100MKxx) in the seat row YY on the right side of the cabin is replaced (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- C. Do the test given in para. 3.A.

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TASK 23-33-00-810-828

Fault of the BITE Data on the Bus between a SEB and the Main Multiplexer of the PES on the Right Side

1. Possible Causes

- MUX-PES, MAIN (8MK)
- TERMINATION PLUG (51MK1)
- WALL DISCONNECT BOX (50MK6)
- WALL DISCONNECT BOX (50MK4)
- WALL DISCONNECT BOX (50MK2)
- SEB TERMINATOR (101MKxx)
- SEAT ELECTRONIC BOX (100MKxx)
- wiring
- WALL DISCONNECT BOX (50MK8)

2. Job Set-up Information

A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-33-31-000-001	Removal of the Passenger Entertainment System Main Multiplexer (8MK)
AMM	23-33-31-400-001	Installation of the Passenger Entertainment System Main Multiplexer (8MK)
AMM	23-33-46-000-001	Removal of the Seat Electronic Box (SEB)
AMM	23-33-46-400-001	Installation of the Seat Electronic Box (SEB)
AMM	23-33-47-000-001	Removal of the Wall Disconnect Box (WDB)
AMM	23-33-47-400-001	Installation of the Wall Disconnect Box (WDB)
AMM	23-73-00-740-003	BITE-test of the Cabin Intercommunication Data System
		(CIDS) through the PTP
ASM	23-33/02	
ASM	23-33/02	
ASM	23-33/03	

3. Fault Confirmation

- A. Reset of the PES System
 - (1) On the audio panel (123RH) of the Forward Attendant Panel (120RH) (FAP) push the PES ON/OFF membrane switch to de-energize the PES.
 - (2) On the audio panel (123RH) of the FAP (120RH) push the PES ON/OFF membrane switch to energize the PES.

NOTE: The maximum PES (music) power-on initialization time is up to 10 minutes. This includes the transfer of the seat layout from the CIDS CAM.

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R B. Do the BITE test of the cabin intercommunication data system (CIDS) (Ref. AMM TASK 23-73-00-740-003).

4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the test gives the two maintenance messages 23-33-54/BUS S-MR and 23-33-54/BUS S-ML:
 - replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).

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- C. If the test gives the maintenance message 23-33-54/BUS S-MR:
 - make sure that a SEB TERMINATOR (101MKxx) is connected to the SEAT ELECTRONIC BOX (100MKxx) (SEB) in the last seat row on the right side of the cabin.

(1) If that is true:

- do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the SEB (100MKxx) in the last seat row on the right side of the cabin (Ref. ASM 23-33/03).
- (a) If the fault continues and:
 - 1 If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WALL DISCONNECT BOX(es) (50MKx) (WDB) in line to the WDB (50MK6):
 - repeat the check above on that/these SEB TERMINATOR(s)
 (101MKxx) (Ref. ASM 23-33/03).
- (b) If the fault continues:
 - do a check for the functional condition and the correct installation of the TERMINATION PLUG (51MK1) on the WDB (50MK6) (Ref. ASM 23-33/02).
- (c) If the fault continues:
 - do a continuity check on all SEBs (100MKxx) on the right side of the cabin from the last seat row to the seat row next to the WDB (50MKx) that serves the SEBs (100MKxx) above between:
 - the SEB (100MKxx) connector J1/6 and the SEB (100MKxx) connector J2/6.
 - the SEB (100MKxx) connector J1/5 and the SEB (100MKxx) connector J2/5.
 - the SEB (100MKxx) connector J1/7 and the SEB (100MKxx) connector J2/7.
 - the SEB (100MKxx) connector J1/8 and the SEB (100MKxx) connector J2/8.

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- 1 If there is no continuity in a SEB:
 - replace that SEAT ELECTRONIC BOX (100MKxx) (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).

(d) If the fault continues:

- do a check and repair as necessary the wiring between the checked SEBs (100MKxx) (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the SEB (100MKxx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the SEB (100MKxx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the SEB (100MKxx) connector P1/8 and the SEB (100MKxx) connector P2/8.

(e) If the fault continues:

- do a check and repair as necessary the wiring between the SEB (100MKxx) nearest to the WDB (50MKx) that serves the checked SEB(s) (100MKxx) and that WDB (50MKx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.

(f) If the fault continues:

- do a check and repair as necessary the wiring between all WDBs (50MKx) on the right side of the cabin (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector A/13 and the WDB (50MKx) connector D/13.
 - the WDB (50MKx) connector A/14 and the WDB (50MKx) connector D/14.
 - the WDB (50MKx) connector A/15 and the WDB (50MKx) connector D/15.
 - the WDB (50MKx) connector A/8 and the WDB (50MKx) connector D/8.
 - the WDB (50MKx) connector A/1 and the WDB (50MKx) connector D/1.
 - the WDB (50MKx) connector A/2 and the WDB (50MKx) connector D/2.

(g) If the fault continues:

- do a check and repair as necessary the wiring between the WDB (50MKx) next to the MUX-PES, MAIN (8MK) and the MUX-PES, MAIN (8MK) on the right side of the cabin (Ref. ASM 23-33/02) and (Ref. ASM 23-33/02):

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- the WDB (50MKx) connector D/13 and the MUX-PES, MAIN (8MK) connector AA/A8.
- the WDB (50MKx) connector D/14 and the MUX-PES, MAIN (8MK) connector AA/B8.
- the WDB (50MKx) connector D/15 and the MUX-PES, MAIN (8MK) connector AA/C8.
- the WDB (50MKx) connector D/8 and the MUX-PES, MAIN (8MK) connector AA/D7.
- the WDB (50MKx) connector D/1 and the MUX-PES, MAIN (8MK) connector AA/A9.
- the WDB (50MKx) connector D/2 and the MUX-PES, MAIN (8MK) connector AA/B9.
- (h) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the last seat row on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- (i) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK6) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (i) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK4) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (k) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK2) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (l) If the fault continues:
 - replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).
- (2) If no SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the last seat row on the right side of the cabin:
 - do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the WALL DISCONNECT BOX (50MKx) (WDB) which is connected to the SEB (100MKxx) in the last seat row on the right side of the cabin (Ref. ASM 23-33/03).
 - (a) If the fault continues and:
 - 1 If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WALL DISCONNECT BOX(es) (50MKx) (WDB) in line to the WDB (50MK6):
 - repeat the check above on that/these SEB TERMINATOR(s) (101MKxx) (Ref. ASM 23-33/03).

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- (b) If the fault continues:
 - do a check for the functional condition and the correct installation of the TERMINATION PLUG (51MK1) on the WDB (50MK6) (Ref. ASM 23-33/02).
- (c) If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) in the last seat row on the right side of the cabin and the WDB (50MKx) that serves that SEB (100MKxx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.
- (d) If the fault continues:
 - do a check and repair as necessary the wiring between all WDBs (50MKx) on the right side of the cabin (Ref. ASM 23-33/02).
 - the WDB (50MKx) connector A/13 and the WDB (50MKx) connector D/13.
 - the WDB (50MKx) connector A/14 and the WDB (50MKx) connector D/14.
 - the WDB (50MKx) connector A/15 and the WDB (50MKx) connector D/15.
 - the WDB (50MKx) connector A/8 and the WDB (50MKx) connector D/8.
 - the WDB (50MKx) connector A/1 and the WDB (50MKx) connector D/1.
 - the WDB (50MKx) connector A/2 and the WDB (50MKx) connector D/2.
- (e) If the fault continues:
 - do a check and repair as necessary the wiring between the WDB (50MKx) next to the MUX-PES, MAIN (8MK) and the MUX-PES, MAIN (8MK) on the right side of the cabin (Ref. ASM 23-33/02) and (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector D/13 and the MUX-PES, MAIN (8MK) connector AA/A8.
 - the WDB (50MKx) connector D/14 and the MUX-PES, MAIN (8MK) connector AA/B8.
 - the WDB (50MKx) connector D/15 and the MUX-PES, MAIN (8MK) connector AA/C8.
 - the WDB (50MKx) connector D/8 and the MUX-PES, MAIN (8MK) connector AA/D7.
 - the WDB (50MKx) connector D/1 and the MUX-PES, MAIN (8MK) connector AA/A9.

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- the WDB (50MKx) connector D/2 and the MUX-PES, MAIN (8MK) connector AA/B9.
- (f) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the last seat row on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- (q) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK6) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (h) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK4) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (i) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK2) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (j) If the fault continues:
 - replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).

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- C. If the test gives the maintenance message 23-33-54/BUS S-MR:
 - make sure that a SEB TERMINATOR (101MKxx) is connected to the SEAT ELECTRONIC BOX (100MKxx) (SEB) in the last seat row on the right side of the cabin.
 - (1) If that is true:
 - do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the SEB (100MKxx) in the last seat row on the right side of the cabin (Ref. ASM 23-33/03).
 - (a) If the fault continues and:
 - 1 If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WALL DISCONNECT BOX(es) (50MKx) (WDB) in line to the WDB (50MK8):
 - repeat the check above on that/these SEB TERMINATOR(s)
 (101MKxx) (Ref. ASM 23-33/03).
 - (b) If the fault continues:
 - do a check for the functional condition and the correct installation of the TERMINATION PLUG (51MK1) on the WDB (50MK8) (Ref. ASM 23-33/02).

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- (c) If the fault continues:
 - do a continuity check on all SEBs (100MKxx) on the right side of the cabin from the last seat row to the seat row next to the WDB (50MKx) that serves the SEBs (100MKxx) above between:
 - the SEB (100MKxx) connector J1/6 and the SEB (100MKxx) connector J2/6.
 - the SEB (100MKxx) connector J1/5 and the SEB (100MKxx) connector J2/5.
 - the SEB (100MKxx) connector J1/7 and the SEB (100MKxx) connector J2/7.
 - the SEB (100MKxx) connector J1/8 and the SEB (100MKxx) connector J2/8.
 - 1 If there is no continuity in a SEB:
 - replace that SEAT ELECTRONIC BOX (100MKxx) (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- (d) If the fault continues:
 - do a check and repair as necessary the wiring between the checked SEBs (100MKxx) (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the SEB (100MKxx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the SEB (100MKxx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the SEB (100MKxx) connector P1/8 and the SEB (100MKxx) connector P2/8.
- (e) If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) nearest to the WDB (50MKx) that serves the checked SEB(s) (100MKxx) and that WDB (50MKx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.
- (f) If the fault continues:
 - do a check and repair as necessary the wiring between all WDBs
 (50MKx) on the right side of the cabin (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector A/13 and the WDB (50MKx) connector D/13.
 - the WDB (50MKx) connector A/14 and the WDB (50MKx) connector D/14.

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- the WDB (50MKx) connector A/15 and the WDB (50MKx) connector D/15.
- the WDB (50MKx) connector A/8 and the WDB (50MKx) connector D/8.
- the WDB (50MKx) connector A/1 and the WDB (50MKx) connector D/1.
- the WDB (50MKx) connector A/2 and the WDB (50MKx) connector D/2.

(g) If the fault continues:

- do a check and repair as necessary the wiring between the WDB (50MKx) next to the MUX-PES, MAIN (8MK) and the MUX-PES, MAIN (8MK) on the right side of the cabin (Ref. ASM 23-33/02) and (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector D/13 and the MUX-PES, MAIN (8MK) connector AA/A8.
 - the WDB (50MKx) connector D/14 and the MUX-PES, MAIN (8MK) connector AA/B8.
 - the WDB (50MKx) connector D/15 and the MUX-PES, MAIN (8MK) connector AA/C8.
 - the WDB (50MKx) connector D/8 and the MUX-PES, MAIN (8MK) connector AA/D7.
 - the WDB (50MKx) connector D/1 and the MUX-PES, MAIN (8MK) connector AA/A9.
 - the WDB (50MKx) connector D/2 and the MUX-PES, MAIN (8MK) connector AA/B9.

(h) If the fault continues:

- replace the SEAT ELECTRONIC BOX (100MKxx) in the last seat row on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- (i) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK8) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (j) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK6) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (k) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK4) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (l) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK2) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (m) If the fault continues:
 - replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).

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- (2) If no SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the last seat row on the right side of the cabin:
 - do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the WALL DISCONNECT BOX (50MKx) (WDB) which is connected to the SEB (100MKxx) in the last seat row on the right side of the cabin (Ref. ASM 23-33/03).
 - (a) If the fault continues and:
 - 1 If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WALL DISCONNECT BOX(es) (50MKx) (WDB) in line to the WDB (50MK8):
 - repeat the check above on that/these SEB TERMINATOR(s) (101MKxx) (Ref. ASM 23-33/03).
 - (b) If the fault continues:
 - do a check for the functional condition and the correct installation of the TERMINATION PLUG (51MK1) on the WDB (50MK8) (Ref. ASM 23-33/02).
 - (c) If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) in the last seat row on the right side of the cabin and the WDB (50MKx) that serves that SEB (100MKxx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/9 and the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.
 - (d) If the fault continues:
 - do a check and repair as necessary the wiring between all WDBs (50MKx) on the right side of the cabin (Ref. ASM 23-33/02).
 - the WDB (50MKx) connector A/13 and the WDB (50MKx) connector D/13.
 - the WDB (50MKx) connector A/14 and the WDB (50MKx) connector D/14.
 - the WDB (50MKx) connector A/15 and the WDB (50MKx) connector D/15.
 - the WDB (50MKx) connector A/8 and the WDB (50MKx) connector D/8.
 - the WDB (50MKx) connector A/1 and the WDB (50MKx) connector
 D/1.
 - the WDB (50MKx) connector A/2 and the WDB (50MKx) connector D/2.

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- (e) If the fault continues:
 - do a check and repair as necessary the wiring between the WDB (50MKx) next to the MUX-PES, MAIN (8MK) and the MUX-PES, MAIN (8MK) on the right side of the cabin (Ref. ASM 23-33/02) and (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector D/13 and the MUX-PES, MAIN (8MK) connector AA/A8.
 - the WDB (50MKx) connector D/14 and the MUX-PES, MAIN (8MK) connector AA/B8.
 - the WDB (50MKx) connector D/15 and the MUX-PES, MAIN (8MK) connector AA/C8.
 - the WDB (50MKx) connector D/8 and the MUX-PES, MAIN (8MK) connector AA/D7.
 - the WDB (50MKx) connector D/1 and the MUX-PES, MAIN (8MK) connector AA/A9.
 - the WDB (50MKx) connector D/2 and the MUX-PES, MAIN (8MK) connector AA/B9.
- (f) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the last seat row on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- (q) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK8) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (h) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK6) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (i) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK4) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (j) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MK2) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (k) If the fault continues:
 - replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).

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D. Do the test given in para. 3.B.

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TASK 23-33-00-810-829

Fault of the Control Data on the Bus between the Main Multiplexer and a SEB of the PES on the Right Side

- 1. Possible Causes
 - MUX-PES, MAIN (8MK)
 - SEB TERMINATOR (101MKxx)
 - SEAT ELECTRONIC BOX (100MKxx)
 - wiring
 - WALL DISCONNECT BOX (50MKx)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	23-33-31-000-001	Removal of the Passenger Entertainment System Main Multiplexer (8MK)	
	AMM	23-33-31-400-001	Installation of the Passenger Entertainment System Main Multiplexer (8MK)	
	AMM	23-33-46-000-001	Removal of the Seat Electronic Box (SEB)	
	AMM	23-33-46-400-001	Installation of the Seat Electronic Box (SEB)	
	AMM	23-33-47-000-001	Removal of the Wall Disconnect Box (WDB)	
	AMM	23-33-47-400-001	Installation of the Wall Disconnect Box (WDB)	
R R	AMM	23-73-00-740-003	BITE-test of the Cabin Intercommunication Data System (CIDS) through the PTP	
	ASM	23-33/02		
	ASM	23-33/02		
	ASM	23-33/03		

- 3. Fault Confirmation
 - A. Reset of the PES System
 - (1) On the audio panel (123RH) of the Forward Attendant Panel (120RH) (FAP) push the PES ON/OFF membrane switch to de-energize the PES.
 - (2) On the audio panel (123RH) of the FAP (120RH) push the PES ON/OFF membrane switch to energize the PES.

NOTE : The maximum PES (music) power-on initialization time is up to 10 minutes. This includes the transfer of the seat layout from the CIDS CAM.

R B. Do the BITE test of the cabin intercommunication data system (CIDS) (Ref. AMM TASK 23-73-00-740-003).

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4. Fault Isolation

R

- R A. If the test gives a different maintenance message, do the trouble
 R shooting procedure related to the maintenance message.
 - B. If the test gives the two maintenance messages 23-33-54/BUS M-SR and 23-33-54/BUS M-SL:
 - replace the MUX-PES, MAIN (8MK) (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).
 - C. If the test gives the maintenance message 23-33-54/BUS M-SR:
 - make sure that a SEB TERMINATOR (101MKxx) is connected to the SEAT ELECTRONIC BOX (100MKxx) (SEB) in the first seat row on the right side of the cabin.
 - (1) If that is true:
 - do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the SEB (100MKxx) in the first seat row on the right side of the cabin (Ref. ASM 23-33/03).
 - (a) If the fault continues and:
 - 1 If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WALL DISCONNECT BOX(es) (50MKx) (WDB) in line to the MUX-PES, MAIN (8MK)
 - repeat the check above on that/these SEB TERMINATOR(s) (101MKxx) (Ref. ASM 23-33/03).
 - (b) If the fault continues:
 - do a continuity check on all SEBs (100MKxx) on the right side of the cabin from the first seat row to the seat row next to the WDB (50MKx) that serves the SEBs (100MKxx) above between:
 - the SEB (100MKxx) connector J1/6 and the SEB (100MKxx) connector J2/6.
 - the SEB (100MKxx) connector J1/5 and the SEB (100MKxx) connector J2/5.
 - the SEB (100MKxx) connector J1/7 and the SEB (100MKxx) connector J2/7.
 - the SEB (100MKxx) connector J1/8 and the SEB (100MKxx) connector J2/8.
 - 1 If there is no continuity in a SEB:
 - replace that SEAT ELECTRONIC BOX (100MKxx) (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).

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(c) If the fault continues:

- do a check and repair as necessary the wiring between the checked SEBs (100MKxx) (Ref. ASM 23-33/03):
 - the SEB (100MKxx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the SEB (100MKxx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the SEB (100MKxx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the SEB (100MKxx) connector P1/8 and the SEB (100MKxx) connector P2/8.

(d) If the fault continues:

- do a check and repair as necessary the wiring between the SEB (100MKxx) nearest to the WDB (50MKx) that serves the checked SEB(s) (100MKxx) and that WDB (50MKx) (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.

(e) If the fault continues:

- do a check and repair as necessary the wiring between all WDBs (50MKx) from the WDB (50MKx) that serves the checked SEB(s) (100MKxx) and the WDB (50MKx) next to the MUX-PES, MAIN (8MK) (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector A/13 and the WDB (50MKx) connector D/13.
 - the WDB (50MKx) connector A/8 and the WDB (50MKx) connector D/8.
 - the WDB (50MKx) connector A/1 and the WDB (50MKx) connector D/1.
 - the WDB (50MKx) connector A/2 and the WDB (50MKx) connector D/2.

(f) If the fault continues:

- do a check and repair as necessary the wiring between the WDB (50MKx) next to the MUX-PES, MAIN (8MK) and the MUX-PES, MAIN (8MK) on the right side of the cabin (Ref. ASM 23-33/02) and (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector D/13 and the MUX-PES, MAIN (8MK) connector AA/A8.
 - the WDB (50MKx) connector D/14 and the MUX-PES, MAIN (8MK) connector AA/B8.
 - the WDB (50MKx) connector D/15 and the MUX-PES, MAIN (8MK) connector AA/C8.
 - the WDB (50MKx) connector D/8 and the MUX-PES, MAIN (8MK) connector AA/D7.

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- the WDB (50MKx) connector D/1 and the MUX-PES, MAIN (8MK) connector AA/A9.
- the WDB (50MKx) connector D/2 and the MUX-PES, MAIN (8MK) connector AA/B9.
- (g) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in the first seat row on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- (h) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MKx) that serves the SEB (100MKxx) in the first seat row on the right side of the cabin (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (i) If the fault continues and:
 - 1 If another WDB (50MKx) is connected in line to the MUX-PES, MAIN (8MK) on the right side of the cabin:
 - replace that WALL DISCONNECT BOX (50MKx) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (j) If the fault continues:
 - do para. above again until the WDB (50MKx) next to the MUX-PES, MAIN (8MK) is replaced (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (k) If the fault continues:
 - replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).
- (2) If no SEB TERMINATOR (101MKxx) is connected to the SEB (100MKxx) in the first seat row on the right side of the cabin:
 - do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the WALL DISCONNECT BOX (50MKx) (WDB) which is connected to the SEB (100MKxx) in the first seat row on the right side of the cabin (Ref. ASM 23-33/03).
 - (a) If the fault continues and:
 - 1 If another/other SEB TERMINATOR(s) (101MKxx) is/are connected to a/the WALL DISCONNECT BOX(es) (50MKx) (WDB) in line to the MUX-PES, MAIN (8MK)
 - repeat the check above on that/these SEB TERMINATOR(s)
 (101MKxx) (Ref. ASM 23-33/03).
 - (b) If the fault continues:
 - do a check and repair as necessary the wiring between the SEB (100MKxx) in the first seat row on the right side of the cabin and the WDB (50MKx) that serves that SEB (100MKxx) (Ref. ASM 23-33/03):

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- the WDB (50MKx) connector P1/6 and the SEB (100MKxx) connector P2/6.
- the WDB (50MKx) connector P1/5 and the SEB (100MKxx) connector P2/5.
- the WDB (50MKx) connector P1/7 and the SEB (100MKxx) connector P2/7.
- the WDB (50MKx) connector P1/8 and the SEB (100MKxx) connector P2/8.

(c) If the fault continues:

- do a check and repair as necessary the wiring between all WDBs (50MKx) from the WDB (50MKx) that serves the checked SEB (100MKxx) and the WDB (50MKx) next to the MUX-PES, MAIN (8MK) (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector A/13 and the WDB (50MKx) connector D/13.
 - the WDB (50MKx) connector A/8 and the WDB (50MKx) connector D/8.
 - the WDB (50MKx) connector A/1 and the WDB (50MKx) connector D/1
 - the WDB (50MKx) connector A/2 and the WDB (50MKx) connector D/2.

(d) If the fault continues:

- do a check and repair as necessary the wiring between the WDB (50MKx) next to the MUX-PES, MAIN (8MK) and the MUX-PES, MAIN (8MK) on the right side of the cabin (Ref. ASM 23-33/02) and (Ref. ASM 23-33/02):
 - the WDB (50MKx) connector D/13 and the MUX-PES, MAIN (8MK) connector AA/A8.
 - the WDB (50MKx) connector D/14 and the MUX-PES, MAIN (8MK) connector AA/B8.
 - the WDB (50MKx) connector D/15 and the MUX-PES, MAIN (8MK) connector AA/C8.
 - the WDB (50MKx) connector D/8 and the MUX-PES, MAIN (8MK) connector AA/D7.
 - the WDB (50MKx) connector D/1 and the MUX-PES, MAIN (8MK) connector AA/A9.
 - the WDB (50MKx) connector D/2 and the MUX-PES, MAIN (8MK) connector AA/B9.

(e) If the fault continues:

- replace the SEAT ELECTRONIC BOX (100MKxx) in the first seat row on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).

(f) If the fault continues:

- replace the WALL DISCONNECT BOX (50MKx) that serves the SEB (100MKxx) in the first seat row on the right side of the cabin (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).

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- (g) If the fault continues and:
 - 1 If another WDB (50MKx) is connected in line to the MUX-PES, MAIN (8MK) on the right side of the cabin:
 - replace that WALL DISCONNECT BOX (50MKx) (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (h) If the fault continues:
 - do the para. above again until the WDB (50MKx) next to the MUX-PES, MAIN (8MK) is replaced (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (i) If the fault continues:
 - replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).
- D. Do the test given in Para 3.B.

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TASK 23-33-00-810-830

Fault of a SEB in the Specified Seat Row on the Right Side

1. Possible Causes

- SEB TERMINATOR (101MKxx)
- SEAT ELECTRONIC BOX (100MKxx)
- wirina
- WALL DISCONNECT BOX (50MKx)

2. Job Set-up Information

A. Referenced Information

	REFE	RENCE	DESIGNATION
R R	AMM AMM AMM	23-33-46-000-001 23-33-46-400-001 23-33-47-000-001 23-33-47-400-001 23-73-00-740-003	Removal of the Seat Electronic Box (SEB) Installation of the Seat Electronic Box (SEB) Removal of the Wall Disconnect Box (WDB) Installation of the Wall Disconnect Box (WDB) BITE-test of the Cabin Intercommunication Data System (CIDS) through the PTP

3. Fault Confirmation

R A. Do the BITE test of the Cabin Intercommunication Data System (CIDS) (Ref. AMM TASK 23-73-00-740-003).

4. Fault Isolation

- A. Different and additional maintenance messages
 - (1) If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - (2) If the test gives an additional maintenance message and that message shows a PES bus failure:
 - do the related trouble shooting procedure for that PES bus failure first.

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- B. If the test gives the maintenance message 23-33-46/SEB XXR:
 - make sure that a SEB TERMINATOR (101MKxx) is connected to the SEAT ELECTRONIC BOX (100MKxx) (SEB) in the seat row XX on the right side of the cabin.

(1) If that is true:

- do a check for the functional condition and the correct installation of the SEB TERMINATOR (101MKxx) on the SEB (100MKxx) in the seat row XX on the right side of the cabin. (Ref. ASM 23-33/03).
- (a) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) (SEB) in the seat row XX on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- (b) If the fault continues:
 - make sure that the SEB (100MKxx) in the seat row XX on the right side of the cabin is connected to a WALL DISCONNECT BOX (50MKx) (WBD).
 - 1 If that is true:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/7 and in the seat row XX the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and in the seat row XX the SEB (100MKxx) connector P2/8.
 - the WDB (50MKx) connector P1/5 and in the seat row XX the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/9 and in the seat row XX the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/6 and in the seat row XX the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/1 and in the seat row XX the SEB (100MKxx) connector P2/1.
 - the WDB (50MKx) connector P1/2 and in the seat row XX the SEB (100MKxx) connector P2/2.
 - the WDB (50MKx) connector P1/4 and in the seat row XX the SEB (100MKxx) connector P2/4.
 - a If the fault continues:
 - replace the WDB (50MKx) that serves the SEB (100MKxx) in the seat row XX (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
 - 2 If the SEB (100MKxx) in the seat row XX on the right side of the cabin is connected to another SEB (100MKxx):
 - replace the SEAT ELECTRONIC BOX (100MKxx) to which the SEB (100MKxx) in the seat row XX is connected (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).

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- a If the fault continues:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-33/03):
 - the last replaced SEB (100MKxx) connector P1/7 and in the seat row XX the SEB (100MKxx) connector P2/7.
 - the last replaced SEB (100MKxx) connector P1/8 and in
 - the seat row XX the SEB (100MKxx) connector P2/8.
 - the last replaced SEB (100MKxx) connector P1/5 and in
 - the seat row XX the SEB (100MKxx) connector P2/5.
 - the last replaced SEB (100MKxx) connector P1/9 and in
 - the seat row XX the SEB (100MKxx) connector P2/9.
 - the last replaced SEB (100MKxx) connector P1/6 and in
 - the seat row XX the SEB (100MKxx) connector P2/6.
 - the last replaced SEB (100MKxx) connector P1/1 and in
 - the seat row XX the SEB (100MKxx) connector P2/1.
 the last replaced SEB (100MKxx) connector P1/2 and in
 - the seat row XX the SEB (100MKxx) connector P2/2.
 - the last replaced SEB (100MKxx) connector P1/4 and in the seat row XX the SEB (100MKxx) connector P2/4.
- (2) If the SEB (100MKxx) in the seat row XX on the right side of the cabin is connected to a WALL DISCONNECT BOX (50MKx) (WBD):
 - replace the SEAT ELECTRONIC BOX (100MKxx) (SEB) in the seat row XX on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - (a) If the fault continues:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-33/03):
 - the WDB (50MKx) connector P1/7 and in the seat row XX the SEB (100MKxx) connector P2/7.
 - the WDB (50MKx) connector P1/8 and in the seat row XX the SEB (100MKxx) connector P2/8.
 - the WDB (50MKx) connector P1/5 and in the seat row XX the SEB (100MKxx) connector P2/5.
 - the WDB (50MKx) connector P1/9 and in the seat row XX the SEB (100MKxx) connector P2/9.
 - the WDB (50MKx) connector P1/6 and in the seat row XX the SEB (100MKxx) connector P2/6.
 - the WDB (50MKx) connector P1/1 and in the seat row XX the SEB (100MKxx) connector P2/1.
 - the WDB (50MKx) connector P1/2 and in the seat row XX the SEB (100MKxx) connector P2/2.
 - the WDB (50MKx) connector P1/4 and in the seat row XX the SEB (100MKxx) connector P2/4.
 - (b) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) to which the SEB (100MKxx) in the seat row XX is connected (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).

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- (c) If the fault continues:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-33/03):
 - the last replaced SEB (100MKxx) connector P2/7 and in the seat row XX the SEB (100MKxx) connector P1/7.
 - the last replaced SEB (100MKxx) connector P2/8 and in the seat row XX the SEB (100MKxx) connector P1/8.
 - the last replaced SEB (100MKxx) connector P2/5 and in the seat row XX the SEB (100MKxx) connector P1/5.
 - the last replaced SEB (100MKxx) connector P2/9 and in the seat row XX the SEB (100MKxx) connector P1/9.
 - the last replaced SEB (100MKxx) connector P2/6 and in the seat row XX the SEB (100MKxx) connector P1/6.
 - the last replaced SEB (100MKxx) connector P2/1 and in the seat row XX the SEB (100MKxx) connector P1/1.
 - the last replaced SEB (100MKxx) connector P2/2 and in the seat row XX the SEB (100MKxx) connector P1/2.
 - the last replaced SEB (100MKxx) connector P2/4 and in the seat row XX the SEB (100MKxx) connector P1/4.
- (d) If the fault continues:
 - replace the WALL DISCONNECT BOX (50MKx) that serves the SEB (100MKxx) in the seat row XX (Ref. AMM TASK 23-33-47-000-001) and (Ref. AMM TASK 23-33-47-400-001).
- (3) If the SEB (100MKxx) in the seat row XX on the right side of the cabin is connected to two other SEBs (100MKxx):
 - replace the SEAT ELECTRONIC BOX (100MKxx) (SEB) in the seat row XX on the right side of the cabin (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - (a) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) in line to the WBD (50MKx) that serves the SEBs (100MKxx) above (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
 - (b) If the fault continues:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-33/03):
 - the last replaced SEB (100MKxx) connector P1/7 and in the seat row XX the SEB (100MKxx) connector P2/7.
 - the last replaced SEB (100MKxx) connector P1/8 and in the seat row XX the SEB (100MKxx) connector P2/8.
 - the last replaced SEB (100MKxx) connector P1/5 and in the seat row XX the SEB (100MKxx) connector P2/5.
 - the last replaced SEB (100MKxx) connector P1/9 and in the seat row XX the SEB (100MKxx) connector P2/9.
 - the last replaced SEB (100MKxx) connector P1/6 and in the seat row XX the SEB (100MKxx) connector P2/6.
 - the last replaced SEB (100MKxx) connector P1/1 and in the seat row XX the SEB (100MKxx) connector P2/1.

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- the last replaced SEB (100MKxx) connector P1/2 and in the seat row XX the SEB (100MKxx) connector P2/2.
- the last replaced SEB (100MKxx) connector P1/4 and in the seat row XX the SEB (100MKxx) connector P2/4.
- (c) If the fault continues:
 - replace the other SEAT ELECTRONIC BOX (100MKxx) to which the SEB (100MKxx) in the seat row XX is connected (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).
- (d) If the fault continues:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-33/03):
 - the last replaced SEB (100MKxx) connector P2/7 and in the seat row XX the SEB (100MKxx) connector P1/7.
 - the last replaced SEB (100MKxx) connector P2/8 and in the seat row XX the SEB (100MKxx) connector P1/8.
 - the last replaced SEB (100MKxx) connector P2/5 and in the seat row XX the SEB (100MKxx) connector P1/5.
 - the last replaced SEB (100MKxx) connector P2/9 and in the seat row XX the SEB (100MKxx) connector P1/9.
 - the last replaced SEB (100MKxx) connector P2/6 and in the seat row XX the SEB (100MKxx) connector P1/6.
 - the last replaced SEB (100MKxx) connector P2/1 and in the seat row XX the SEB (100MKxx) connector P1/1.
 - the last replaced SEB (100MKxx) connector P2/2 and in the seat row XX the SEB (100MKxx) connector P1/2.
 - the last replaced SEB (100MKxx) connector P2/4 and in the seat row XX the SEB (100MKxx) connector P1/4.
- C. Do the test given in Para. 3.A.

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- R TASK 23-33-00-810-831
- R Fault of the Main Multiplexer to keep the Communication with all RH SEBs
- R 1. Possible Causes
- R MUX-PES, MAIN (8MK)
- R 2. Job Set-up Information
- R A. Referenced Information

R R R	REFE	RENCE	DESIGNATION
R R	AMM	23-33-31-000-001	Removal of the Passenger Entertainment System Main Multiplexer (8MK)
R R	AMM	23-33-31-400-001	Installation of the Passenger Entertainment System Main Multiplexer (8MK)
R R	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS

- R 3. Fault Confirmation
- R A. Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) (Ref. AMM TASK 23-73-00-740-005).
- R 4. Fault Isolation

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- R A. Different and additional maintenance messages
- R (1) If the test gives a different maintenance message, do the trouble
 R shooting procedure related to the maintenance message.
 - (2) If the test gives an additional maintenance message and that message shows a PES bus failure:
 - do the related trouble shooting procedure for that PES bus failure first.
- R B. If the test gives the maintenance message 23-33-46/SEB 98R or 23-33-46/SEB 99R:
- R replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and
 R (Ref. AMM TASK 23-33-31-400-001).
- R C. Do the test given in para. 3.A.

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TASK 23-33-00-810-832

Fault of the PCU in the Specified Seat Row and in the Specified Seat Column

- 1. Possible Causes
 - PCU (20xMKxx)
 - SEAT ELECTRONIC BOX (100MKxx)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REF	ERENCE	DESIGNATION
AMM AMM AMM	23-33-12-000-001 23-33-12-400-001 23-33-46-000-001 23-33-46-400-001 23-73-00-740-003	Removal of the Passenger Control Unit (PCU) Installation of the Passenger Control Unit (PCU) Removal of the Seat Electronic Box (SEB) Installation of the Seat Electronic Box (SEB) BITE-test of the Cabin Intercommunication Data System (CIDS) through the PTP

- 3. Fault Confirmation
- R A. Do the BITE test of the cabin intercommunication data system (CIDS) (Ref. AMM TASK 23-73-00-740-003).
 - 4. Fault Isolation
 - A. Different and additional maintenance messages
 - (1) If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - (2) If the maintenance message gives an additional bus failure, do the related trouble shooting procedure first.
 - B. If the test gives the maintenance message 23-33-12/PCU XXY:
 - replace the PCU (20xMKxx) in the seat row XX and in the seat column Y, (Ref. AMM TASK 23-33-12-000-001) and (Ref. AMM TASK 23-33-12-400-001).
 - (1) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) (SEB) which controls the specified PCU (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).

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- (2) If the fault continues:
 - do a check and repair as necessary the wiring of the specified PCU between (Ref. ASM 23-33/03):

the PCU (20xMKxx) connector P2/1 (P3/1, P4/1) and the SEB (100MKxx) connector P1/9 (P1/12, P1/14).

the PCU (20xMKxx) connector P2/4 (P3/4, P4/4) and the SEB (100MKxx) connector P1/10 (P1/13, P1/15).

the PCU (20xMKxx) connector P2/2 (P3/2, P4/2) and the SEB (100MKxx) connector P1/2 (P1/5, P1/7).

the PCU (20xMKxx) connector P2/3 (P3/3, P4/3) and the SEB (100MKxx) connector P1/1 (P1/4, P1/6).

the PCU (20xMKxx) connector P2/5 (P3/5, P4/5) and the SEB (100MKxx) connector P1/3 (P1/11, P1/8).

C. Do the test given in para. 3.A.

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- R TASK 23-33-00-810-838
- R More than ten Faults are reported to the CIDS
- 1. Possible Causes
- 2. Job Set-up Information
- A. Referenced Information

______ REFERENCE **DESIGNATION** ______

AMM 23-73-00-740-005 BITE-test of the Cabin Intercommunication Data System R R (CIDS) through the CFDS

3. Fault Confirmation

- A. Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) (Ref. AMM TASK 23-73-00-740-005). R
- R Fault Isolation

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- R A. Different and additional maintenance messages
- (1) If the test gives a different maintenance message, do the trouble R shooting procedure related to the maintenance message.
 - (2) If the test gives an additional maintenance message and that message shows a PES bus failure:
 - do the related trouble shooting procedure for that PES bus failure first.
 - B. If the test gives the maintenance message 23-33-46/SEB 99L, but no additional maintenance message that indicates a PES bus failure :
 - do the related trouble shooting procedure for one of the other shown failures.
 - do the related trouble shooting procedure for one of the next shown failures until no more maintenance message comes on.

NOTE: This maintenance message tells you, that there are more than ten maintenance messages. The display shows only nine of them and the maintenance message 23-33-46/SEB 99L itself. When one of the other failures in the PES is corrected the display shows one of the hidden messages.

The maintenance message 23-33-46/SEB 99L goes off when less than 11 other maintenance messages for the PES are available to be shown.

C. Do the test given in para. 3.A.

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TASK 23-33-00-810-842

Fault of the BITE Data from the Main Multiplexer of the PES

- 1. Possible Causes
 - MUX-PES, MAIN (8MK)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
	AMM	23-33-31-000-001	Removal of the Passenger Entertainment System Main Multiplexer (8MK)
	AMM	23-33-31-400-001	Installation of the Passenger Entertainment System Main Multiplexer (8MK)
R R	AMM	23-73-00-740-003	BITE-test of the Cabin Intercommunication Data System (CIDS) through the PTP
	ASM ASM	23-33/01 23-33/02	-

- 3. Fault Confirmation
- R A. Do the BITE test of the cabin intercommunication data system (CIDS) (Ref. AMM TASK 23-73-00-740-003).
 - 4. Fault Isolation
 - A. Different and additional maintenance messages
 - (1) If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - (2) If the test gives an additional maintenance message and that message shows a PES bus failure:
 - do the related trouble shooting procedure for that PES bus failure first.
 - B. If the test gives the maintenance message 23-33-34/NO PESMUX DATA:
 - replace the MUX-PES, MAIN (8MK), (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).
 - (1) If the fault continues:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-33/01) and (Ref. ASM 23-33/02):
 - the DIR-CIDS1 (101MK) connector AA/D7 and the MUX-PES, MAIN (8MK) connector AA/A6.

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- the DIR-CIDS1 (101MK) connector AA/E7 and the MUX-PES, MAIN (8MK) connector AA/B6.

C. Do the test given in para. 3.A.

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TASK 23-33-00-810-843

Fault of a Passenger Control Unit

- 1. Possible Causes
 - PCU (20xMKxx)
 - SEAT ELECTRONIC BOX (100MKxx)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 23-33-00-740-	002 BITE-Test o	f the Passenger Entertainment System
AMM 23-33-12-000-		n the Programming and Test Panel (PTP) the Passenger Control Unit (PCU)
AMM 23-33-12-400-		n of the Passenger Control Unit (PCU)
AMM 23-33-46-000-		the Seat Electronic Box (SEB)
AMM 23-33-46-400-	001 Installatio	n of the Seat Electronic Box (SEB)
ASM 23-33/03		

3. Fault Confirmation

- A. Do the Test of the Passenger Entertainment (Music) MK (Ref. AMM TASK 23-33-00-740-002)
 - (1) If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the the fault continues but, the test gives no maintenance message:
 - change the volume on the defective PCU (20xMKxx) with the volume control switches to UP and DOWN and monitor the change with a headset.
 - change the music channels on the defective PCU (20xMKxx) with the channel select switches to UP and DOWN and monitor the channel change on the channel display of the PCU and with a headset.

4. Fault Isolation

- A. If a fault of the monitored PCU is confirmed:
 - replace the PCU (20xMKxx), (Ref. AMM TASK 23-33-12-000-001) and (Ref. AMM TASK 23-33-12-400-001).
 - (1) If the fault continues:
 - replace the SEAT ELECTRONIC BOX (100MKxx) (SEB) which controls the defective PCU (Ref. AMM TASK 23-33-46-000-001) and (Ref. AMM TASK 23-33-46-400-001).

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- (2) If the fault continues:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-33/03):
 - the PCU (20xMKxx) connector P2/1 (P3/1, P4/1) and the SEB (100MKxx) connector P1/9 (P1/12, P1/14).
 - the PCU (20xMKxx) connector P2/4 (P3/4, P4/4) and the SEB (100MKxx) connector P1/10 (P1/13, P1/15).
 - the PCU (20xMKxx) connector P2/2 (P3/2, P4/2) and the SEB (100MKxx) connector P1/2 (P1/5, P1/7).
 - the PCU (20xMKxx) connector P2/3 (P3/3, P4/3) and the SEB (100MKxx) connector P1/1 (P1/4, P1/6).
 - the PCU (20xMKxx) connector P2/5 (P3/5, P4/5) and the SEB (100MKxx) connector P1/3 (P1/11, P1/8).
- B. Do the test given in para. 3.B.

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**ON A/C 254-275, 426-475, 479-499, 701-749,

TASK 23-33-00-810-845

Fault of the Seat Layout Control

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

	REFERENCE D		DESIGNATION	
	AMM	23-33-00-740-002	BITE-Test of the Passenger Entertainment System (Music) with the Programming and Test Panel (PTP)	
	AMM	23-33-31-000-001	Removal of the Passenger Entertainment System Main Multiplexer (8MK)	
	AMM	23-33-31-400-001	Installation of the Passenger Entertainment System Main Multiplexer (8MK)	
R R	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS	

- 3. Fault Confirmation
- R A. Do these tests.
- R (1) Do the BITE-test of the Cabin Intercommunication Data-System (CIDS)
 R (Ref. AMM TASK 23-73-00-740-005).
- R (2) Do the BITE-test of the passenger entertainment system (music) (Ref. AMM TASK 23-33-00-740-002).

4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the test gives the maintenance message DEF LAY or INV LAY: - replace the pes main multiplexer (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).
- C. Do the test as given in Para. 3.

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TASK 23-33-00-810-847

Fault during BITE-Test

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

REFERENCE	DESIGNATION
AMM 23-33-00-740-003	BITE-Test of the Passenger Entertainment System (Music) with the Multipurpose Control and Display Unit (MCDU)
AMM 23-33-31-000-001	Removal of the Passenger Entertainment System Main Multiplexer (8MK)
AMM 23-33-31-400-001	Installation of the Passenger Entertainment System Main Multiplexer (8MK)
AMM 23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)
AMM 23-73-34-400-001	Installation of the CIDS Director (101RH,102RH)

- 3. Fault Confirmation
- R A. Do the BITE test of the pes music system (Ref. AMM TASK 23-33-00-740-003).
 - 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - **B.** If the test does not run successful and the maintenance message **TEST** ABORTED is shown:
 - replace the pes main multiplexer (Ref. AMM TASK 23-33-31-000-001) and (Ref. AMM TASK 23-33-31-400-001).
 - (1) If the fault continues:
 - replace the CIDS director 1 (Ref. AMM TASK 23-73-34-000-001) and (Ref. AMM TASK 23-73-34-400-001).
 - C. Do the test as given in Para. 3.

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- R **ON A/C 254-275, 426-499, 701-749,
- R TASK 23-33-00-810-993
- R More LH SEBs installed than given by the CIDS Layout Configuration in its CAM
- R 1. Possible Causes
- R MODULE-CABIN ASSIGNMENT (115RH)
- R number of LH SEBs
- R 2. Job Set-up Information
- R A. Referenced Information

R R	REFE	RENCE	DESIGNATION
R	AMM	23-33-00-740-002	BITE-Test of the Passenger Entertainment System
R			(Music) with the Programming and Test Panel (PTP)
R	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System
R			(CIDS) through the CFDS
R	AMM	23-73-00-860-002	Cabin Layout Selection
R	AMM	23-73-00-860-003	Cabin Zones Programming

- R 3. Fault Confirmation
- R A. Do these tests.
- R (1) Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) R (Ref. AMM TASK 23-73-00-740-005).
- R (2) Do the BITE-test of the passenger entertainment system (music) (Ref. R AMM TASK 23-33-00-740-002).

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R 4. Fault Isolation

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- R A. If the test gives a different maintenance message, do the trouble
 R shooting procedure related to the maintenance message.
- R B. If the test gives the maintenance message 23-33-46/SEB 80L:
- R do a check of the number of installed LH seat electronic boxes (SEB) with the CIDS layout configuration in its CAM (Ref. AMM TASK 23-73-00-R 860-002) and (Ref. AMM TASK 23-73-00-860-003).
 - (1) If more LH SEBs are installed than given by the CIDS layout configuration, correct as necessary:
 - The number of LH SEBs or
 - The layout configuration in the MODULE-CABIN ASSIGNMENT (115RH) (Ref. AMM TASK 23-73-00-860-002) and (Ref. AMM TASK 23-73-00-860-003).
- R C. Do the test as given in Para. 3.

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- R TASK 23-33-00-810-994
- R More RH SEBs installed than given by the CIDS Layout Configuration in its CAM
- 1. Possible Causes
- MODULE-CABIN ASSIGNMENT (115RH)
- number of RH SEBs
- R 2. Job Set-up Information
- R A. Referenced Information

R R	REFE	RENCE	DESIGNATION
R R	AMM	23-33-00-740-002	BITE-Test of the Passenger Entertainment System (Music) with the Programming and Test Panel (PTP)
R R	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
R	AMM	23-73-00-860-002	Cabin Layout Selection
R	AMM	23-73-00-860-003	Cabin Zones Programming

- R 3. Fault Confirmation
- R A. Do these tests.
- (1) Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) (Ref. AMM TASK 23-73-00-740-005). R
- R (2) Do the BITE-test of the passenger entertainment system (music) (Ref. AMM TASK 23-33-00-740-002).
- 4. Fault Isolation R

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- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- R B. If the test gives the maintenance message 23-33-46/SEB 80R:
 - do a check of the number of installed RH seat electronic boxes (SEB) with the CIDS layout configuration in its CAM (Ref. AMM TASK 23-73-00-860-002) and (Ref. AMM TASK 23-73-00-860-003).
 - (1) If more RH SEBs are installed than given by the CIDS layout configuration, correct as necessary:
 - The number of RH SEBs or
 - The layout configuration in the MODULE-CABIN ASSIGNMENT (115RH) (Ref. AMM TASK 23-73-00-860-002) and (Ref. AMM TASK 23-73-00-860-003).
- R C. Do the test as given in Para. 3.

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- R TASK 23-33-00-810-995
- R Fault of the Seat Layout Control
- R 1. Possible Causes
- R MUX-PES, MAIN (8MK)
- R 2. Job Set-up Information
- R A. Referenced Information

R R	REFE	RENCE	DESIGNATION
R R	AMM	23-33-00-740-002	BITE-Test of the Passenger Entertainment System (Music) with the Programming and Test Panel (PTP)
R R	AMM	23-33-31-000-001	Removal of the Passenger Entertainment System Main Multiplexer (8MK)
R R	AMM	23-33-31-400-001	Installation of the Passenger Entertainment System Main Multiplexer (8MK)
R R	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS

- R 3. Fault Confirmation
- R A. Do these tests.
- R (1) Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) R (Ref. AMM TASK 23-73-00-740-005).
- R (2) Do the BITE-test of the passenger entertainment system (music) (Ref. R AMM TASK 23-33-00-740-002).
- R 4. Fault Isolation
- R A. If the test gives a different maintenance message, do the trouble
 R shooting procedure related to the maintenance message.
- R B. If the test gives the maintenance message 23-33-46/SEB 93L:
 replace the MUX-PES, MAIN (8MK) (Ref. AMM TASK 23-33-31-000-001) and
 (Ref. AMM TASK 23-33-31-400-001).
- R C. Do the test as given in Para. 3.

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PASSENGER INFORMATION SYSTEM - FAULT ISOLATION PROCEDURES

TASK 23-34-00-810-802

Passenger Visual Information System not Available

- 1. Possible Causes
 - DIGITAL INTERFACE UNIT (DIU) (190MH)
 - CONTROL UNIT REMOTE (191MH)
 - JUNCTION BOX (VIDEO) (9MH)
 - aircraft wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION	
AMM	23-34-00-710-001	Operational Test of the Passenger Visual	
		Information-System	
AMM	23-34-34-000-001	Removal of the Digital Interface Unit (DIU) (190MH)	
AMM	23-34-34-400-001	<pre>Installation of the Digital Interface Unit (DIU) (190MH)</pre>	
AMM	23-34-35-000-001	Removal of the Remote Control Unit 191MH	
AMM	23-34-35-400-001	Installation of the Remote Control Unit 191MH	
AMM	23-36-00-710-001	Operational Test of the Passenger Entertainment (Video)	
AMM	23-36-00-740-002	BITE Test of the Passenger Entertainment (Video)	
ASM	23-34/01		

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-499, 701-749,
 - A. Maintenance Action
 - (1) Do the operational test of the passenger entertainment (video) (Ref. AMM TASK 23-36-00-710-001).
 - (a) If the test indicates a defective PES video system, do the trouble shooting procedure related to the maintenance message.
 - (b) If the operational test of the passenger entertainment (video) does not indicate a defective video system, do the operational test of the passenger visual information-system (Ref. AMM TASK 23-34-00-710-001).

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**ON A/C 254-275, 503-549, 551-599,

A. Maintenance Action

- (1) Do the BITE test of the passenger entertainment (video) (Ref. AMM TASK 23-36-00-740-002).
 - (a) If the test gives a maintenance message, do the trouble shooting procedure related to the maintenance message.
 - (b) If the test does not give a maintenance message, do the operational test of the passenger visual information-system (Ref. AMM TASK 23-34-00-710-001).

**ON A/C ALL

4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-245, 276-299, 476-478, 503-549, 551-599,

A. Maintenance Action

- (1) If the PVIS is not available:
 - replace the DIGITAL INTERFACE UNIT (DIU) (190MH) (Ref. AMM TASK 23-34-34-000-001) and (Ref. AMM TASK 23-34-34-400-001).
- (2) If the fault continues:
 - replace the CONTROL UNIT REMOTE (191MH) (Ref. AMM TASK 23-34-35-000-001) and (Ref. AMM TASK 23-34-35-400-001).
- (3) If the fault continues:
 - do a check and repair the aircraft wiring between the DIGITAL INTERFACE UNIT (DIU) (190MH) and the prewired mounting plate (Ref. ASM 23-34/01).
- (4) If the fault continues:
 - do a check of and repair the aircraft wiring between the CONTROL UNIT - REMOTE (191MH) and the prewired mounting plate (Ref. ASM 23-34/01).

**ON A/C 247-253, 426-450, 479-499, 701-749,

A. Maintenance Action

- (1) If the PVIS is not available:
 - replace the DIGITAL INTERFACE UNIT (DIU) (190MH) (Ref. AMM TASK 23-34-34-000-001) and (Ref. AMM TASK 23-34-34-400-001).

EFF: ALL

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- (2) If the fault continues:
 - replace the CONTROL UNIT REMOTE (191MH) (Ref. AMM TASK 23-34-35-000-001) and (Ref. AMM TASK 23-34-35-400-001).
- (3) If the fault continues:
 - do a check and repair the aircraft wiring between the DIGITAL INTERFACE UNIT (DIU) (190MH) and the JUNCTION BOX (VIDEO) (9MH) installed on the prewired mounting plate (Ref. ASM 23-34/01).
- (4) If the fault continues:
 - do a check and repair the aircraft wiring between the CONTROL UNIT-REMOTE (191MH) and the JUNCTION BOX (VIDEO) (9MH) installed on the prewired mounting plate (Ref. ASM 23-34/01).

**ON A/C 254-275, 451-475,

- A. Maintenance Action
 - (1) If the PVIS is not available:
 - replace the DIGITAL INTERFACE UNIT (DIU) (190MH) (Ref. AMM TASK 23-34-34-000-001) and (Ref. AMM TASK 23-34-34-400-001).
 - (2) If the fault continues:
 - do a check and repair the aircraft wiring between the DIGITAL INTERFACE UNIT (DIU) (190MH) and the prewired mounting plate (Ref. ASM 23-34/01).

**ON A/C ALL

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- 5. Close-up
 - A. Do the test as given in Para. 3.

EFF: ALL 23-34-00

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PASSENGER ENTERTAINMENT (VIDEO) - FAULT ISOLATION PROCEDURES

TASK 23-36-00-810-801

Fault of a Video Monitor Unit to Extend or Retract

1. Possible Causes

- VIDEO CONTROL UNIT (11MH)
- VIDEO MONITOR UNIT (100MH)
- TAPPING UNIT (TU) (50MH)
- wiring
- TAPPING UNIT (50MH)
- TERMINATOR (51MH1)
- TERMINATOR (51MH2)

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-36-00-710-001	Operational Test of the Passenger Entertainment (Video)
AMM	23-36-22-000-001	Removal of the LH Hatrack-Mounted Display-Units (HMDU)
AMM	23-36-22-000-002	Removal of the RH Hatrack Mounted Display-Units (HMDU)
AMM	23-36-22-400-001	<pre>Installation of the LH Hatrack Mounted Display-Units (HMDU)</pre>
AMM	23-36-22-400-002	<pre>Installation of the RH Hatrack Mounted Display-Units (HMDU)</pre>
AMM	23-36-34-000-001	Removal of the System Control Unit (SCU)
AMM	23-36-34-400-001	Installation of the System Control Unit (SCU)
AMM	23-36-44-000-001	Removal of the Tapping Unit (TU)
AMM	23-36-44-400-001	Installation of the Tapping Unit (TU)
AMM	23-73-00-740-003	BITE-test of the Cabin Intercommunication Data System (CIDS) through the PTP
ASM	23-36/01	
ASM	23-36/02	
ASM	23-36/02	

3. Fault Confirmation

- A. Do the BITE test of the Cabin Intercommunication Data System (CIDS) (Ref. AMM TASK 23-73-00-740-003).
- B. Do the operational test of the passenger entertainment (video) (Ref. AMM TASK 23-36-00-710-001).

EFF: ALL
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4. Fault Isolation

- A. If the indications on the System Control Unit (SCU) and on the Video Tape Reproducer(s) (VTR) are normal, but one of the VIDEO MONITOR UNITS (VMU) 100MH does not extend and/or retract:
 - (1) Do the subsequent steps:
 - (a) Disengage and lower the inboard side of the defective VMU
 - for the LH side of the cabin (Ref. AMM TASK 23-36-22-000-001)
 - for the RH side of the cabin (Ref. AMM TASK 23-36-22-000-002).
 - (b) Do a check and repair as necessary the electrical connections on that VMU.
 - (c) Do a visual inspection of the mechanical retraction mechanism of the VMU and remove the blockage that you found.
 - (d) Lift the VMU into position and install it
 - for the LH side of the cabin (Ref. AMM TASK 23-36-22-400-001)
 - for the RH side of the cabin (Ref. AMM TASK 23-36-22-400-002).
 - (2) If the fault continues:
 - (a) Replace the VIDEO MONITOR UNIT (100MH) that does not extend and/or retract
 - for the LH side of the cabin (Ref. AMM TASK 23-36-22-000-001) and (Ref. AMM TASK 23-36-22-400-001)
 - for the RH side of the cabin (Ref. AMM TASK 23-36-22-400-002) and (Ref. AMM TASK 23-36-22-400-002).
 - (3) If the fault continues:
 - (a) Replace the TAPPING UNIT (TU) (50MH) that controls the VMU which does not extend and/or retract (Ref. AMM TASK 23-36-44-000-001) and (Ref. AMM TASK 23-36-44-400-001).
 - (4) If the fault continues:
 - (a) Do a check and repair as necessary the wiring between the VMU that does not extend and/or retract and the TU (50MH) that controls it. (Ref. ASM 23-36/02) and (Ref. ASM 23-36/02):
 - the VMU (100MH) connector A/6 and the TU (50MH) connector B/7 (C/7)
 - the VMU (100MH) connector A/7 and the TU (50MH) connector B/8 (C/8)
 - the VMU (100MH) connector A/8 and the TU (50MH) connector B/6 (C/6)
 - the VMU (100MH) connector A/2 and the TU (50MH) connector B/10 (C/10)
 - the VMU (100MH) connector A/3 and the TU (50MH) connector B/9 (C/9)

EFF: ALL

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- the VMU (100MH) connector A/5 and the TU (50MH) connector B/4 (C/4)
- the VMU (100MH) connector A/1 and the TU (50MH) connector B/1 (C/1)
- the VMU (100MH) connector A/4 and the TU (50MH) connector B/2 (C/2).
- B. If the indications on the SCU and on the VTR(s) are normal, but two of the VIDEO MONITOR UNITS (100MH) (that are mounted on different sides of the cabin) do not extend and/or retract:
 - (1) Make a decision and continue the trouble shooting procedure on one of the two VMUs (100MH).
 - NOTE : After the failure on the first VMU (100MH) is corrected, continue with the subsequent procedure for the second unit.
 - (a) Disengage and lower the inboard side of the first (second) defective VMU (100MH)
 - for the LH side of the cabin (Ref. AMM TASK 23-36-22-000-001)
 - for the RH side of the cabin (Ref. AMM TASK 23-36-22-000-002).
 - (b) Do a check and repair as necessary the electrical connections on that VMU (100MH).
 - (c) Do a visual inspection of the mechanical retraction mechanism and remove the blockage that you found.
 - (d) Lift the VMU (100MH) into position and install it
 - for the LH side of the cabin (Ref. AMM TASK 23-36-22-400-001)
 - for the RH side of the cabin (Ref. AMM TASK 23-36-22-400-002).
 - (2) If the fault continues:
 - (a) Replace the first (second) of the VIDEO MONITOR UNIT (100MH) that does not extend and/or retract
 - for the LH side of the cabin (Ref. AMM TASK 23-36-22-000-001) and (Ref. AMM TASK 23-36-22-400-001)
 - for the RH side of the cabin (Ref. AMM TASK 23-36-22-400-002) and (Ref. AMM TASK 23-36-22-400-002).
 - (3) If the fault continues:
 - (a) Replace the TAPPING UNIT (50MH) which serves the first (second) VMU (100MH) that does not extend and/or retract, (Ref. AMM TASK 23-36-44-000-001) and (Ref. AMM TASK 23-36-44-400-001).

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- (4) If the fault continues:
 - (a) Do a check and repair as necessary the wiring between the first (second) VMU that does not extend and/or retract and the TAPPING UNIT (TU) (50MH) that serves it, (Ref. ASM 23-36/02) and (Ref. ASM 23-36/02):
 - the VMU (100MH) connector A/6 and the TU (50MH) connector B/7 (C/7)
 - the VMU (100MH) connector A/7 and the TU (50MH) connector B/8 (C/8)
 - the VMU (100MH) connector A/8 and the TU (50MH) connector B/6 (C/6)
 - the VMU (100MH) connector A/2 and the TU (50MH) connector B/10 (C/10)
 - the VMU (100MH) connector A/3 and the TU (50MH) connector B/9 (C/9)
 - the VMU (100MH) connector A/5 and the TU (50MH) connector B/4 (C/4)
 - the VMU (100MH) connector A/1 and the TU (50MH) connector B/1 (C/1)
 - the VMU (100MH) connector A/4 and the TU (50MH) connector B/2 (C/2).
- C. If the indications on the SCU and on the VTR(s) are normal, but two of the VIDEO MONITOR UNITS (VMU) 100MH (that are served by the same TAPPING UNIT (TU) 50MH) do not extend and/or retract:
 - (1) Replace the TAPPING UNIT (50MH) that serves the VMUs (100MH) which do not extend and/or retract, (Ref. AMM TASK 23-36-44-000-001) and (Ref. AMM TASK 23-36-44-400-001).
 - (2) If the fault continues:
 - (a) Do a check and repair as necessary the wiring between the VMUs (100MH) that do not extend and/or retract and the TU (50MH) that serves them, (Ref. ASM 23-36/02) and (Ref. ASM 23-36/02):
 - the VMU (100MH) connector A/6 and the TU (50MH) connector B/7 (C/7)
 - the VMU (100MH) connector A/7 and the TU (50MH) connector B/8 (C/8)
 - the VMU (100MH) connector A/8 and the TU (50MH) connector B/6 (C/6)
 - the VMU (100MH) connector A/2 and the TU (50MH) connector B/10
 - the VMU (100MH) connector A/3 and the TU (50MH) connector B/9
 - the VMU (100MH) connector A/5 and the TU (50MH) connector B/4
 - the VMU (100MH) connector A/1 and the TU (50MH) connector B/1 (C/1)
 - the VMU (100MH) connector A/4 and the TU (50MH) connector B/2 (C/2).

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- D. If the indications on the SCU and on the VTR(s) are normal, but more than two VIDEO DISPLAY UNITS (100MH) (that are mounted on the same side of the cabin) do not extend and/or retract:
 - (1) Replace the TERMINATOR (51MH1) if the related VMUs (100MH) are mounted on the LH side of the cabin (Ref. ASM 23-36/02).
 - (2) Replace the TERMINATOR (51MH2) if the related VMUs (100MH) are mounted on the RH side of the cabin (Ref. ASM 23-36/02).
 - (3) If the fault continues:
 - (a) Replace the TAPPING UNIT (50MH) that controls the VMU (100MH) which does not extend and/or retract and is mounted most forward in the cabin, (Ref. AMM TASK 23-36-44-000-001) and (Ref. AMM TASK 23-36-44-400-001).
 - (4) If the fault continues and there is another TU (50MH) mounted more forward in the cabin than the one you replaced:
 - (a) Do a check and repair as necessary the wiring between the replaced TU (50MH) and the TU (50MH) more forward in the cabin, (Ref. ASM 23-36/02) and (Ref. ASM 23-36/02):
 - the replaced TU (50MH) connector A/8 and the more forward TU (50MH) connector D/8
 - the replaced TU (50MH) connector A/15 and the more forward TU (50MH) connector D/15
 - the replaced TU (50MH) connector A/5 and the more forward TU (50MH) connector D/5
 - the replaced TU (50MH) connector A/12 and the more forward TU (50MH) connector D/12
 - the replaced TU (50MH) connector A/13 and the more forward TU (50MH) connector D/13
 - the replaced TU (50MH) connector A/1 and the more forward TU (50MH) connector D/1
 - the replaced TU (50MH) connector A/9 and the more forward TU (50MH) connector D/9
 - the replaced TU (50MH) connector A/2 and the more forward TU (50MH) connector D/2
 - the replaced TU (50MH) connector A/10 and the more forward TU (50MH) connector D/10
 - the replaced TU (50MH) connector A/3 and the more forward TU (50MH) connector D/3
 - the replaced TU (50MH) connector A/11 and the more forward TU (50MH) connector D/11
 - the replaced TU (50MH) connector A/4 and the more forward TU (50MH) connector D/4.
 - (5) If the fault continues, replace the VIDEO CONTROL UNIT (11MH) (VCU). (Ref. AMM TASK 23-36-34-000-001) and (Ref. AMM TASK 23-36-34-400-001).

EFF: ALL

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- (6) If the fault continues:
 - (a) Do a check and repair as necessary the wiring between the VIDEO MOUNTING (VM) of the VMU (100MH) and the first TU (50MH) on each of the two sides of the cabin, (Ref. ASM 23-36/01) and (Ref. ASM 23-36/02):

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- the VM connector 10MHA/47 and the TU (50MH1) connector A/11
- the VM connector 10MHA/46 and the TU (50MH1) connector A/3
- the VM connector 10MHA/33 and the TU (50MH1) connector A/10
- the VM connector 10MHA/32 and the TU (50MH1) connector A/2
- the VM connector 10MHA/14 and the TU (50MH1) connector A/9
- the VM connector 10MHA/13 and the TU (50MH1) connector A/1
- the VM connector 10MHA/41 and the TU (50MH1) connector A/13
- the VM connector 10MHA/24 and the TU (50MH1) connector A/12
- the VM connector 10MHA/7 and the TU (50MH1) connector A/5
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- the VM connector 10MHA/50 and the TU (50MH2) connector A/11
- the VM connector 10MHA/49 and the TU (50MH2) connector A/3
- the VM connector 10MHA/31 and the TU (50MH2) connector A/10
- the VM connector 10MHA/30 and the TU (50MH2) connector A/2
- the VM connector 10MHA/17 and the TU (50MH2) connector A/9
- the VM connector 10MHA/16 and the TU (50MH2) connector A/1
- the VM connector 10MHA/42 and the TU (50MH2) connector A/13
- the VM connector 10MHA/25 and the TU (50MH2) connector A/12
- the VM connector 10MHA/8 and the TU (50MH2) connector A/5.
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E. Do the test given in para. 3.B.

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R **ON A/C 254-275, 503-549, 551-599,

TASK 23-36-00-810-803

Fault of the Passenger Video System

- 1. Possible Causes
 - SYSTEM CONTROL UNIT (11MH)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-36-00-740-002 AMM 23-36-34-000-001 AMM 23-36-34-400-001	BITE Test of the Passenger Entertainment (Video) Removal of the System Control Unit (SCU) Installation of the System Control Unit (SCU)

3. Fault Confirmation

- A. If the BITE test of the video system gives the maintenance message: PVS INOP
 - do the BITE test of the video system again (Ref. AMM TASK 23-36-00-740-002).
- 4. Fault Isolation
 - A. Maintenance Action
 - (1) If the BITE test gives the maintenance message: PVS INOP - replace the SYSTEM CONTROL UNIT (11MH) (Ref. AMM TASK 23-36-34-000-001) and (Ref. AMM TASK 23-36-34-400-001).
 - B. Do the test as given in Para. 3.

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TASK 23-36-00-810-804

Fault of the System Control Unit

- 1. Possible Causes
 - SYSTEM CONTROL UNIT (11MH)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-36-00-740-002 AMM 23-36-34-000-001 AMM 23-36-34-400-001	BITE Test of the Passenger Entertainment (Video) Removal of the System Control Unit (SCU) Installation of the System Control Unit (SCU)

3. Fault Confirmation

- A. If the BITE test of the video system gives the maintenence message: SCU INOP
 - do the BITE test of the video system again (Ref. AMM TASK 23-36-00-740-002).
- 4. Fault Isolation
 - A. Maintenance Action
 - (1) If the BITE test gives the maintenance message: SCU INOP - replace the SYSTEM CONTROL UNIT (11MH) (Ref. AMM TASK 23-36-34-000-001) and (Ref. AMM TASK 23-36-34-400-001).
 - B. Do the test as given in Para. 3.

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TASK 23-36-00-810-805

Fault of the Video Tape Recorder

- 1. Possible Causes
 - VIDEO TAPE REPRODUCER (12MH)
 - VIDEO CONTROL, CENTER (10MH)
 - aircraft wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-36-00-740-002 AMM 23-36-52-000-001 AMM 23-36-52-400-001 ASM 23-36/01	BITE Test of the Passenger Entertainment (Video) Removal of the Video Tape Reproducer (VTR) Installation of the Video Tape Reproducer (VTR)

- 3. Fault Confirmation
 - A. If the BITE test of the video system gives the maintenance message: $VTR\ X$
 - do the BITE test of the video system again (Ref. AMM TASK 23-36-00-740-002).
- 4. Fault Isolation
 - A. Maintenance Action
 - (1) If the BITE test gives the maintenance message: VTR X - replace the related VIDEO TAPE REPRODUCER (12MH), or the VTR2 (MH13), or the VTR3 (MH14) (Ref. AMM TASK 23-36-52-000-001) and (Ref. AMM TASK 23-36-52-400-001).
 - (2) If the fault continues:
 - do a check and repair the related aircraft wiring between:
 - the VTR1 (12MH) connector J1/53 and the SYSTEM CONTROL UNIT (11MH) connector J1B/56,
 - J1/54 and J1B/55,
 - J1/3 and the C/B (21MH),
 - J1/4 and ground, (Ref. ASM 23-36/01)
 - or
 - the VTR2 (13MH) connector J1/53 and the SCU (11MH) connector J1B/58,
 - J1/54 and J1B/57,
 - J1/3 and the C/B (21MH),
 - J1/4 and ground, (Ref. ASM 2336/01)

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- or
- the VTR3 (14MH) connector J1/53 and the SCU (11MH) connector J1B/60,
- J1/54 and J1B/59,
- J1/3 and the C/B (21MH),
- J1/4 and ground, (Ref. ASM 2336/01).
- (3) If the fault continues:
 - replace the VIDEO CONTROL, CENTER (10MH)
- B. Do the test as given in Para. 3.

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TASK 23-36-00-810-806

Fault of the SCU to TU BUS Left Side

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

REFERENCE **DESIGNATION**

ASM 23-36/01

AMM 23-36-00-740-002 BITE Test of the Passenger Entertainment (Video)

ASM 23-36/02

- 3. Fault Confirmation
 - A. If the BITE test of the video system gives the maintenance message:
 - do the BITE test of the video system again (Ref. AMM TASK 23-36-00-740-002)
- 4. Fault Isolation
 - A. Maintenance Action
 - (1) If the BITE test gives the maintenance message: BUS S-T L do a check and repair the aircraft wiring between the SYSTEM CONTROL UNIT (11MH) connectors J1B, J1C and the TAPPING UNIT (50MH1) connector A (Ref. ASM 23-36/01) and (Ref. ASM 23-36/02)
 - B. Do the test as given in Para. 3.

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TASK 23-36-00-810-807

Fault of the SCU to TU BUS Right Side

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

REFERENCE **DESIGNATION**

ASM 23-36/01

AMM 23-36-00-740-002 BITE Test of the Passenger Entertainment (Video)

ASM 23-36/02

- 3. Fault Confirmation
 - A. If the BITE test of the Video system gives the maintenance message:
 - do the BITE test of the video system again (Ref. AMM TASK 23-36-00-740-002)
- 4. Fault Isolation
 - A. Maintenance Action
 - (1) If the BITE test gives the maintenance message: BUS S-T R - do a check and repair the aircraft wiring between the SYSTEM CONTROL UNIT (11MH) connectors J1B, J1C and the TAPPING UNIT (50MH2) connector A (Ref. ASM 23-36/01) and (Ref. ASM 23-36/02)
 - B. Do the test as given in Para. 3.

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TASK 23-36-00-810-808

Fault of a LH HMDU (100MH)

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

REFERENCE		DESIGNATION	
A MM	27 7/ 00 7/0 002	DITE Took of the December Establishment (Wides)	
AMM AMM	23-36-00-740-002 23-36-22-000-001	BITE Test of the Passenger Entertainment (Video) Removal of the LH Hatrack-Mounted Display-Units	
AMM	23-36-22-000-001	(HMDU)	
AMM	23-36-22-400-001	<pre>Installation of the LH Hatrack Mounted Display-Units (HMDU)</pre>	
ASM	23-36/02		

3. Fault Confirmation

- A. If the BITE test of the video system gives the maintenance message: MON XXL
 - do the BITE test of the video system again (Ref. AMM TASK 23-36-00-740-002)

4. Fault Isolation

- A. Maintenance Action
 - (1) If the BITE test of the video system gives the maintence message: MON XXL
 - replace the related LH DISPLAY-UNIT 100MH(102MH) (Ref. AMM TASK 23-36-22-000-001) and (Ref. AMM TASK 23-36-22-400-001)

NOTE: XX is the seat row where the display unit is installed.

- (2) If the fault continues:
 - do a check and repair the aircraft wiring between the related LH DISPLAY-UNIT 100MH(102MH) connectors A,B and the related TAPPING UNIT (50MH) connector B or C (Ref. ASM 23-36/02)
- B. Do the test as given in Para. 3.

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EFF :

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TASK 23-36-00-810-809

Fault of a RH HMDU (100MH)

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

REFERENCE		DESIGNATION
AMM	23-36-00-740-002	BITE Test of the Passenger Entertainment (Video)
AMM	23-36-22-000-002	Removal of the RH Hatrack Mounted Display-Units (HMDU)
AMM	23-36-22-400-002	<pre>Installation of the RH Hatrack Mounted Display-Units (HMDU)</pre>
ASM	23-36/02	

3. Fault Confirmation

- A. If the BITE test of the video system gives the maintenance message: MON XXR
 - do the BITE test of the video system again (Ref. AMM TASK 23-36-00-740-002)

4. Fault Isolation

- A. Maintenance Action
 - (1) If the BITE test of the video system gives the maintenance message: MON XXR
 - replace the HATRACK-MOUNTED DISPLAY UNIT (HMDU) 100MH shown in the test (Ref. AMM TASK 23-36-22-000-002) and (Ref. AMM TASK 23-36-22-400-002)

NOTE: XX is the seat row where the display unit is installed.

- (2) If the fault continues:
 - do a check and repair the aircraft wiring between the related RH DISPLAY UNIT 100MH(102MH) connectors A,B and the related TAPPING UNIT (50MH) connector B or C (Ref. ASM 23-36/02).
- B. Do the test as given in Para. 3.

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TASK 23-36-00-810-810

Fault of a LH TU (50MH)

- 1. Possible Causes
 - TAPPING UNIT 50MH
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-36-00-740-002 AMM 23-36-44-000-001 AMM 23-36-44-400-001	BITE Test of the Passenger Entertainment (Video) Removal of the Tapping Unit (TU) Installation of the Tapping Unit (TU)

- 3. Fault Confirmation
 - A. If the BITE test of the video sytem gives the maintenance message: TU XXL
 - do the BITE test of the video system again (Ref. AMM TASK 23-36-00-740-002)
- 4. Fault Isolation
 - A. Maintenance Action
 - (1) If the BITE test of the video system gives the maintenance message:
 - replace the related LH TAPPING UNIT 50MH (Ref. AMM TASK 23-36-44-000-001) and (Ref. AMM TASK 23-36-44-400-001)
 - NOTE : XX is the position of the tapping unit from the front of the aircraft, for example:
 - TUO1L means the first tapping unit on the LH side,
 - TUO4L means the forth tapping unit on the LH side.
 - B. Do the test as given in Para. 3.

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TASK 23-36-00-810-811

Fault of a RH TU (50MH)

- 1. Possible Causes
 - TAPPING UNIT 50MH
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-36-00-740-002 AMM 23-36-44-000-001 AMM 23-36-44-400-001	BITE Test of the Passenger Entertainment (Video) Removal of the Tapping Unit (TU) Installation of the Tapping Unit (TU)

- 3. Fault Confirmation
 - A. If the BITE test of the video system gives the maintenance message: TU XXR
 - do the BITE test of the video system again (Ref. AMM TASK 23-36-00-740-002)
- 4. Fault Isolation
 - A. Maintenance Action
 - (1) If the BITE test of the video system gives the maintenance message: TU XXR
 - replace the related RH TAPPING UNIT 50MH (Ref. AMM TASK 23-36-44-000-001) and (Ref. AMM TASK 23-36-44-400-001).
 - NOTE : XX is the position of the tapping unit from the front of the aircraft, for example:
 - TU O1R is the first tapping unit on the RH side,
 - TU O4R is the forth tapping unit on the RH side.
 - B. Do the test as given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 23-36-00-810-812

SCU uses own Default Layout

- 1. Possible Causes
 - SYSTEM CONTROL UNIT (11MH)
 - DIR-CIDS, 1 (101RH)
 - MODULE-CABIN ASSIGNMENT (115RH)
 - aircraft wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-36-00-740-002 AMM 23-73-19-000-001 AMM 23-73-19-400-001 ASM 23-36/01	BITE Test of the Passenger Entertainment (Video) Removal of the Cabin Assignment Module (115RH) Installation of the Cabin Assignment Module (115RH)

- 3. Fault Confirmation
 - A. If the BITE test of the video sytem gives the maintenance message: DEF LAY
 - do the BITE test of the video system again (Ref. AMM TASK 23-36-00-740-002)
- 4. Fault Isolation
 - A. Maintenance Action
 - (1) If the BITE test gives the maintenance message: DEF LAY - do a check and repair the aircraft wiring between the SYSTEM CONTROL UNIT (11MH) connector J1C/10 thru J1C/13, and the DIR-CIDS, 1 (101RH) connector AA/F8, G8, J13 and K13 respectively (Ref. ASM 23-36/01).
 - (2) If the fault continues:
 - replace the MODULE-CABIN ASSIGNMENT (115RH) (Ref. AMM TASK 23-73-19-000-001) and (Ref. AMM TASK 23-73-19-400-001)
 - B. Do the test as given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 23-36-00-810-813

SCU uses own Invalid Layout

- 1. Possible Causes
 - SYSTEM CONTROL UNIT (11MH)
 - DIR-CIDS, 1 (101RH)
 - MODULE-CABIN ASSIGNMENT (115RH)
 - aircraft wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-36-00-740-002 AMM 23-73-19-000-001 AMM 23-73-19-400-001 ASM 23-36/01	BITE Test of the Passenger Entertainment (Video) Removal of the Cabin Assignment Module (115RH) Installation of the Cabin Assignment Module (115RH)

- 3. Fault Confirmation
 - A. If the BITE test of the video sytem gives the maintenance message: INV LAY
 - do the BITE test of the video system again (Ref. AMM TASK 23-36-00-740-002)
- 4. Fault Isolation
 - A. Maintenance Action
 - (1) If the BITE test gives the maintenance message: INV LAY
 do a check and repair the aircraft wiring between the SYSTEM
 CONTROL UNIT (11MH) connector J1C/10 thru J1C/13, and the DIR-CIDS,
 1 (101RH) connector AA/F8, G8, J13 and K13 respectively (Ref. ASM
 23-36/01).
 - (2) If the fault continues:
 - replace the MODULE-CABIN ASSIGNMENT (115RH) (Ref. AMM TASK 23-73-19-000-001) and (Ref. AMM TASK 23-73-19-400-001).
 - B. Do the test as given in Para. 3.

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TASK 23-36-00-810-814

No Signals from SCU to CIDS

- 1. Possible Causes
 - SYSTEM CONTROL UNIT (11MH)
 - DIR-CIDS, 1 (101RH)
 - aircraft wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-36-00-740-002 AMM 23-36-34-000-001 AMM 23-36-34-400-001 ASM 23-36/01	BITE Test of the Passenger Entertainment (Video) Removal of the System Control Unit (SCU) Installation of the System Control Unit (SCU)

- 3. Fault Confirmation
 - A. If the BITE test of the video system gives the maintenance message: NO SCU DATA
 - do the BITE test of the video system again (Ref. AMM TASK 23-36-00-740-002)
- 4. Fault Isolation
 - A. Maintenance Action
 - (1) If the BITE test gives the maintenance message: NO SCU DATA - do a check and repair the aircraft wiring between the SYSTEM CONTROL UNIT (11MH) connector J1C/10 the J1C/13, and the DIR-CIDS,1 (101RH) connector AA/F8, G8, J13 and K13 respectively (Ref. ASM 23-36/01)
 - (2) If the fault continues:
 - replace the SYSTEM CONTROL UNIT (11MH) (Ref. AMM TASK 23-36-34-000-001) and (Ref. AMM TASK 23-36-34-400-001)
 - B. Do the test as given in Para. 3.

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TASK 23-36-00-810-815

SCU does not return BITE Results to the CIDS

- 1. Possible Causes
 - SYSTEM CONTROL UNIT (11MH)
 - DIR-CIDS, 1 (101RH)
 - aircraft wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 23-36-00-740-002 AMM 23-36-34-000-001 AMM 23-36-34-400-001 AMM 23-73-34-000-001 AMM 23-73-34-400-001 ASM 23-36/01	BITE Test of the Passenger Entertainment (Video) Removal of the System Control Unit (SCU) Installation of the System Control Unit (SCU) Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH)	

- 3. Fault Confirmation
 - A. If the BITE test of the video system gives the maintenance message: TEST ABORTED
 - do the BITE test of the video system again (Ref. AMM TASK 23-36-00-740-002)
- 4. Fault Isolation
 - A. Maintenance Action
 - (1) If the BITE test gives the maintenance message: TEST ABORTED - do a check and repair the aircraft wiring between the SYSTEM CONTROL UNIT (11MH) connector J1C/10 thru J1C/13, and the DIR-CIDS, 1 (101RH) connector AA/F8, G8, J13, and K13 respectively (Ref. ASM 23-36/01).
 - (2) If the fault continues:
 - remove the DIR-CIDS, 1 (Ref. AMM TASK 23-73-34-000-001).

NOTE : When the DIR-CIDS, 1 is removed, the DIR-CIDS, 2 automatically takes control of the system.

- (3) If the fault does NOT continue:
 - install a serviceable DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).

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- (4) If the fault continues:
 - replace the SYSTEM CONTROL UNIT (11MH) (11MH) (Ref. AMM TASK 23-36-34-000-001) and (Ref. AMM TASK 23-36-34-400-001)
- (5) If the fault continues:
 - replace the DIR-CIDS, (101RH) (Ref. AMM TASK 23-73-34-000-001) and (Ref. AMM TASK 23-73-34-400-001)
- B. Do the test as given in Para. 3.

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TASK 23-36-00-810-816

Fault of the TU to SCU BUS Left Side

- 1. Possible Causes
 - TERMINATOR (51MH1)
 - SYSTEM CONTROL UNIT (11MH)
 - aircraft wiring
 - TAPPING UNIT
- Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 23-36-00-740-002 BITE Test of the Passenger Entertainment (Video)

ASM 23-36/01

ASM 23-36/02

ASM 23-36/02

- 3. Fault Confirmation
 - A. If the BITE test of the video system gives the maintenance message: BUS T-S L
 - do the BITE test of the video system again (Ref. AMM TASK 23-36-00-740-002)
- 4. Fault Isolation
 - A. Maintenance Action
 - (1) If the BITE test gives the maintenance message: BUS T-S L - replace the TERMINATOR (51MH1) (Ref. ASM 23-36/02)
 - (2) If the fault continues:
 - do a check and repair the aircraft wiring between the last LH TAPPING UNIT (TU) 50MH connector A, and the next TU 50MH connector D, towards the front of the aircraft (Ref. ASM 23-36/02).
 - (3) If the fault continues:
 - do Para. (2) again until you get to TU 50MH1 (Ref. ASM 23-36/02).
 - (4) If the fault continues:
 - do a check and repair the aircraft wiring between the TU 50MH1 and the SYSTEM CONTROL UNIT (11MH) connector J1B, J1C (Ref. ASM 23-36/01) and (Ref. ASM 23-36/02).
 - B. Do the test as given in Para. 3.

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TASK 23-36-00-810-817

Fault of the TU to SCU BUS Right Side

1. Possible Causes

- TERMINATOR (51MH2)
- SYSTEM CONTROL UNIT (11MH)
- aircraft wiring
- TAPPING UNIT

2. Job Set-up Information

A. Referenced Information

REFERENCE DESIGNATION

AMM 23-36-00-740-002 BITE Test of the Passenger Entertainment (Video)

ASM 23-36/01

ASM 23-36/02

ASM 23-36/02

3. Fault Confirmation

- A. If the BITE test of the Video system gives the maintenance message: BUS T-S R
 - do the BITE test of the video system again (Ref. AMM TASK 23-36-00-740-002)

4. Fault Isolation

- A. Maintenance Action
 - (1) If the BITE test gives the maintenance message: BUS T-S R - replace the TERMINATOR (51MH2) (Ref. ASM 23-36/02)
 - (2) If the fault continues:
 - do a check and repair the aircraft wiring between the last RH TAPPING UNIT (TU) 50MH connector A, and the next TU 50MH towards the front of the aircraft (Ref. ASM 23-36/02).
 - (3) If the fault continues:
 - do Para. (2) again until you get to the TU 50MH2 (Ref. ASM 23-36/02).
 - (4) If the fault continues:
 - do a check and repair the aircraft wiring between the TU 50MH2 and the SYSTEM CONTROL UNIT (11MH) connector J1B, J1C (Ref. ASM 23-36/01) and (Ref. ASM 23-36/02).

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

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R **ON A/C 202-202, 205-205, 229-230, 232-232, 245-253, 276-277, 280-280, 282-282, 284-285, 426-428, 476-499, 701-749,

TASK 23-36-00-810-818

Erroneous Message of the CIDS

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

REFERENCE

DESIGNATION

AMM 23-73-00-740-005

BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS

3. Fault Confirmation

```
**ON A/C 202-202, 205-205, 229-230, 232-232, 245-253, 276-277, 280-280,
  282-282, 284-285, 426-428, 476-499, 701-749,
  Post SB 23-1121 For A/C 202-202,205-205,229-230,232-232,245-245,276-277,
                           280-280,282-282,284-285,426-428,476-480,
R
```

- A. Do the BITE test of the CIDS system with the CFDS (Ref. AMM TASK 23-73-00-740-005).
- **ON A/C 202-202, 205-205, 229-230, 232-232, 245-253, 276-277, 280-280, R 282-282, 284-285, 426-428, 476-499, 701-749,
 - 4. Fault Isolation

```
**ON A/C 202-202, 205-205, 229-230, 232-232, 245-253, 276-277, 280-280,
  282-282, 284-285, 426-428, 476-499, 701-749,
  Post SB 23-1121 For A/C 202-202,205-205,229-230,232-232,245-245,276-277,
                            280-280,282-282,284-285,426-428,476-480,
R
```

- A. Maintenance Action
 - (1) If the BITE test give the maintenance message NO SCU DATA:
 - you can ignore this message. It has no effect for correct operation of the video and the CIDS system.

TROUBLE SHOOTING MANUAL

COCKPIT TO GROUND CREW CALL SYSTEM - FAULT ISOLATION PROCEDURES

TASK 23-42-00-810-801

Failure of the COCKPIT CALL Indicator Light

- 1. Possible Causes
 - LGCIU-1 (5GA1)
 - IND LT-COCKPIT CALL (14WC)
 - wiring
 - RELAY-IND LT SUPPLY (6WC)
 - RELAY-L & R MLG FLT CTLD (16WC)
 - P/B SW-RESET (12WC)
 - P/B SW-CALLS/MECH (1WC)
- 2. Job Set-up Information
 - A. Referenced Information

		··	
	AMM	23-42-00-710-001	Operational Test of the Mechanic Call
	AMM	32-31-71-000-001	Removal of the LGCIU (5GA1, 5GA2)
	AMM	32-31-71-400-001	Installation of the LGCIU (5GA1, 5GA2)
2	AMM	33-14-00-710-001	Operational Test of the Lights
	ASM	23-42/01	

DESIGNATION

- 3. Fault Confirmation
 - A. Test

REFERENCE

R

- (1) Do the operational test of the mechanic call (Ref. AMM TASK 23-42-00-710-001).
- 4. Fault Isolation
 - A. If during the operational test the COCKPIT CALL indicator light does not come on:
 - do the annunciator light test of the panel 108VU (Ref. AMM TASK 33-14- 00-710-001).
 - (1) If the fault continues:
 - replace the IND LT-COCKPIT CALL (14WC).
 - (a) If the fault continues:
 - do a check and repair the wiring of indicator light (14WC) pins 1 to 4 and pin 5 to the terminal block (Ref. ASM 23-42/01).

EFF: ALL

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- (2) If the indicator light comes on:
 - replace the LGCIU-1 (5GA1) (Ref. AMM TASK 32-31-71-000-001) and (Ref. AMM TASK 32-31-71-400-001).
 - (a) Do the test given in Para. 3. and if the fault continues: - replace the RELAY-IND LT SUPPLY (6WC).
 - (b) If the fault continues:
 - replace the RELAY-L & R MLG FLT CTLD (16WC).
 - (c) If the fault continues:
 - replace the P/B SW-RESET (12WC).
 - (d) If the fault continues:
 - replace the P/B SW-CALLS/MECH (1WC).
 - (e) If the fault continues:
 - do a check and repair the wiring of these components:
 - . LGCIU1 (5GA1)
 - relays (6WC) and (16WC)
 - pushbutton switches (1WC) and (12WC)
 - indicator light (14WC)
 - (Ref. ASM 23-42/01).
- B. Do the test given in Para. 3.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 23-42-00-810-803

Failure of the Light of the MECH Transmission Pushbutton Switch on the Audio Control Panel

1. Possible Causes

- ACP-CAPT (2RN1)
- ACP-F/O (2RN2)
- ACP-3RD OCCPNT (2RN3)
- AMU (1RN)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		RENCE	DESIGNATION	
	AMM	23-42-00-710-001	Operational Test of the Mechanic Call	
		23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)	
	AMM	23-51-12-400-001	Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)	
	AMM	23-51-34-000-001	Removal of the Audio Management Unit (AMU) (1RN)	
	AMM ASM	23-51-34-400-001 23-42/01	Installation of the Audio Management Unit (AMU) (1RN)	

3. Fault Confirmation

A. Test

(1) Do the operational test of the mechanic call (Ref. AMM TASK 23-42-00-710-001).

4. Fault Isolation

- A. If during the operational test the amber MECH annunciator light do not flash on one ACP:
 - replace the ACP-CAPT (2RN1) or ACP-F/O (2RN2) or ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).

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- R B. If during the operational test the amber MECH annunciator light do not flash on all the ACPs:
 - replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (1) If the fault continues:

R

- do a check and repair the wiring of AMU (1RN) pin AB/9A to the first terminal block (Ref. ASM 23-42/01).
- C. Do the test given in Para. 3.

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TROUBLE SHOOTING MANUAL

TASK 23-42-00-810-804

Failure of the Mechanic Call Horn

- 1. Possible Causes
 - HORN-MECH CALL (15WC)
 - RELAY-HORN SUPPLY (4WC)
 - P/B SW-CALLS/MECH (1WC)
 - DIODE MODULE (1160VD)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

AMM 23-42-00-710-001 Operational Test of the Mechanic Call R AMM 23-42-21-000-001 Removal of the Mechanic Call Horn (15WC)
R AMM 23-42-21-400-001 Installation of the Mechanic Call Horn (15WC)
ASM 23-42/01

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the mechanic call (Ref. AMM TASK 23-42-00-710-001).
- 4. Fault Isolation
 - A. If during the operational test the mechanical call horn does not operate:
 replace the HORN-MECH CALL (15WC) (Ref. AMM TASK 23-42-21-000-001) and
 (Ref. AMM TASK 23-42-21-400-001).
 - (1) If the fault continues:
 - replace the RELAY-HORN SUPPLY (4WC).
 - (2) If the fault continues:
 - replace the P/B SW-CALLS/MECH (1WC).
 - (3) If the fault continues:
 - do a check of DIODE MODULE (1160VD) pins 4 and 19 (Ref. ASM 23-42/01).
 - (a) If the diode is defective:
 - replace the DIODE MODULE (1160VD)

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- (b) If the diode is not defective:
 - do a check and repair the wiring of these components:
 - . horn (15WC)
 - . relay (4WC)
 - diode module (1160VD)
 - . pushbutton switch (1WC) (Ref. ASM 23-42/01).
- B. Do the test given in Para. 3.

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TASK 23-42-00-810-805

Failure of the Aural Warning

- 1. Possible Causes
 - DIODE MODULE (1801VD)
 - wiring of the diode module (1801VD) to the first module
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE

DESIGNATION

AMM 23-42-00-710-001 Operational Test of the Mechanic Call

- 3. Fault Confirmation
 - A. Test

ASM 23-42/01

- (1) Do the operational test of the mechanic call (Ref. AMM TASK 23-42-00-710-001).
- 4. Fault Isolation
 - A. If during the operational test the buzzer in the aural warning loud speakers does not operate:
 - do a check of diode module (1801VD) pins 1 and 16 (Ref. ASM 23-42/01).
 - (1) If the diode is defective:
 - replace the DIODE MODULE (1801VD).
 - (2) If the diode is not defective:
 - do a check and repair the wiring of the diode module (1801VD) to the first module (Ref. ASM 23-42/01).
 - B. Do the test given in Para. 3.

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TASK 23-42-00-810-806

Failure of the Cockpit Call

- 1. Possible Causes
 - wiring
 - C/B-EIS/HORN/SPLY (2WC)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE

DESIGNATION

AMM 23-42-00-710-001 Operational Test of the Mechanic Call ASM 23-42/01

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the mechanic call (Ref. AMM TASK 23-42-00-710-001).
- 4. Fault Isolation
- A. Table of the circuit breakers used in this procedure: R

R PANEL DESIGNATION IDENT. LOCATION

______ 121VU EIS/HORN/SPLY

- R B. If during the operational test the indicator light and the horn of the cockpit call do not operate:
 - do a check of the circuit breaker (2WC) status.
 - (1) If the circuit breaker is closed:
 - do a check for a ground signal at pins 4 and 8 of the CALLS/MECH pushbutton switch (1WC) (Ref. ASM 23-42/01).
 - (a) If there is no ground signal:
 - repair the wiring between CALLS/MECH pushbutton switch (1WC) pins 4 and 8 and the ground terminal (Ref. ASM 23-42/01).
 - (b) If there is a ground signal:
 - do a check of the wiring between the circuit breaker (2WC) and the first terminal block (Ref. ASM 23-42/01).

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- 1 If there is no continuity:
 repair the above wiring.
- 2 If there is continuity:
 replace the C/B-EIS/HORN/SPLY (2WC)
- (2) If the circuit breaker is open:
 close it.

 - (b) If it opens again:do a check for a short to ground and repair the wiring of the system (Ref. ASM 23-42/01).
- R C. Do the test given in Para. 3.

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TASK 23-42-00-810-807

Failure of the Mechanic Call

- 1. Possible Causes
 - P/B SW-COCKPIT CALL (10WC)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE

DESIGNATION

AMM 23-42-00-710-001 Operational Test of the Mechanic Call

ASM 23-42/01

3. Fault Confirmation

- A. Test
 - (1) Do the operational test of the mechanic call (Ref. AMM TASK 23-42-00-
- 4. Fault Isolation
 - A. If during the operational test the indicator light and the aural warning do not operate:
 - replace the P/B SW-COCKPIT CALL (10WC).
 - (1) If the fault continues:
 - do a check and repair the wiring of the pushbutton switch (10WC) to the first terminal block (Ref. ASM 23-42/01).
 - B. Do the test given in Para. 3.

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GA319/A320/A321

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TASK 23-42-00-810-808

Continuous Operation of the Crew Call Buzzer

- 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - DIR-CIDS, 2 (102RH)
 - FWC-1 (1WW1)
 - FWC-2 (1WW2)
 - AMU (1RN)
 - P/B SW-COCKPIT CALL (10WC)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION
R	AMM	23-42-00-710-001	Operational Test of the Mechanic Call
	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	23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)
	AMM	23-73-34-400-001	Installation of the CIDS Director (101RH,102RH)
	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	23-42/01	

- 3. Fault Confirmation
 - A. Test
- (1) Do the operational test of the mechanic call (Ref. AMM TASK 23-42-00-710-001).
 - 4. Fault Isolation
 - A. If, during the operational test, the crew call buzzer operates continuously:

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- 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 DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001) and (Ref. AMM TASK 23-73-34-400-001).

EFF: ALL **SROS**

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- (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).
- (3) 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).
- (4) 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).
- (5) If the fault continues:
 - replace the P/B SW-COCKPIT CALL (10WC).
- (6) If the fault continues:
 - do a check and repair as necessary the wiring
 - ${\tt L}$ between the COCKPIT CALL pushbutton switch (10WC) and the FWCs (1WW1) and (1WW2)
 - ${\tt L}$ between the FWCs (1WW1) and (1WW2) and the CIDSs (101RH) and (102RH) (Ref. ASM 23-42/01).
- B. Do the test given in Para. 3.

EFF: ALL 23-42-00

TROUBLE SHOOTING MANUAL

CABIN AND SERVICE INTERPHONE - FAULT ISOLATION PROCEDURES

TASK 23-44-00-810-801

Fault of the Communication between the Cockpit/Cabin and an Outboard Service Interphone Station

1. Possible Causes

- MAINTENANCE INTERPHONE JACK (1RJ)
- MAINTENANCE INTERPHONE JACK (2RJ)
- MAINTENANCE INTERPHONE JACK (3RJ)
- MAINTENANCE INTERPHONE JACK (11RJ)
- MAINTENANCE INTERPHONE JACK (13RJ)
- MAINTENANCE INTERPHONE JACK (14RJ)
- MAINTENANCE INTERPHONE JACK (4000RJ1)
- MAINTENANCE INTERPHONE JACK (4000RJ2)
- wiring

2. Job Set-up Information

A. Referenced Information

	REFE	RENCE	DESIGNATION		
	AMM	23-44-00-700-001	Operational Test of the Service Interphone		
	AMM	23-44-41-000-003	Removal of the Maintenance Interphone Jack (4000RJ1, 4000RJ2)		
	AMM	23-44-41-400-003	<pre>Installation of the Maintenance Interphone Jack (4000RJ1, 4000RJ2)</pre>		
R R	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS		
	ASM	23-44/01			

3. Fault Confirmation

- R A. Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) (Ref. AMM TASK 23-73-00-740-005).
 - (1) If the test gives a maintenance message, do the trouble shooting procedure related to the maintenance message.
 - B. Do the test of the service interphone (Ref. AMM TASK 23-44-00-700-001).

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4. Fault Isolation

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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,
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- A. If the indications in the cockpit and on the attendant panel in use are normal, but no communication is possible with an outboard service interphone station:
 - replace the related maintenance interphone jack

MAINTENANCE INTERPHONE JACK (1RJ) or

MAINTENANCE INTERPHONE JACK (2RJ) or

MAINTENANCE INTERPHONE JACK (3RJ) or

MAINTENANCE INTERPHONE JACK (11RJ) or

MAINTENANCE INTERPHONE JACK (13RJ) or

MAINTENANCE INTERPHONE JACK (14RJ) or

MAINTENANCE INTERPHONE JACK (4000RJ1) or

MAINTENANCE INTERPHONE JACK (4000RJ2),

(Ref. AMM TASK 23-44-41-000-003) and (Ref. AMM TASK 23-44-41-400-003).

- (1) If the fault continues:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-44/01):
 - the related maintenance interphone jack connector and the CIDS DIRECTOR 1 (101RH) and/or CIDS DIRECTOR 2 (102RH) connectors G7, H7 and J7.

**ON A/C 456-475,

- A. If the indications in the cockpit and on the attendant panel in use are normal, but no communication is possible with an outboard service interphone station:
 - replace the related maintenance interphone jack

MAINTENANCE INTERPHONE JACK (1RJ) or

MAINTENANCE INTERPHONE JACK (2RJ) or

MAINTENANCE INTERPHONE JACK (3RJ) or

MAINTENANCE INTERPHONE JACK (11RJ) or

MAINTENANCE INTERPHONE JACK (13RJ) or

MAINTENANCE INTERPHONE JACK (14RJ) or

MAINTENANCE INTERPHONE JACK (4000RJ1) or

MAINTENANCE INTERPHONE JACK (4000RJ2),

(Ref. AMM TASK 23-44-41-000-003) and (Ref. AMM TASK 23-44-41-400-003).

- (1) If the fault continues:
 - do a check and repair as necessary the wiring between (Ref. ASM 23-44/01):
 - the related maintenance interphone jack connector and the related isolation unit (4RJ) connector 1H (2C).
 - the related maintenance interphone jack connector and the related isolation unit (4RJ) connector 1J (2D).
 - the related maintenance interphone jack connector and the related isolation unit (4RJ) connector 1G (2B).

EFF: ALL

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R **ON A/C ALL

B. Do the test as given in para. 3.

EFF: ALL

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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 23-44-00-810-802

Abnormal Noise heard from the Cabin Interphone/PA System and/or a Permenant Message SERV INT IN USE shown or Spuriously Displayed on the AIPs

1. Possible Causes

- MAINTENANCE INTERPHONE JACK, ENG1 (4000RJ-1)
- MAINTENANCE INTERPHONE JACK, ENG2 (4000RJ-2)
- MAINTENANCE INTERPHONE JACK (1RJ)
- MAINTENANCE INTERPHONE JACK (2RJ)
- MAINTENANCE INTERPHONE JACK (3RJ)
- MAINTENANCE INTERPHONE JACK (11RJ)
- MAINTENANCE INTERPHONE JACK (13RJ)
- MAINTENANCE INTERPHONE JACK (14RJ)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-44-41-000-003	Removal of the Maintenance Interphone Jack (4000RJ1, 4000RJ2)
AMM	23-44-41-400-003	<pre>Installation of the Maintenance Interphone Jack (4000RJ1, 4000RJ2)</pre>
AMM	23-73-00-710-003	Operational test of the Cabin and Flight Crew Interphone System
AMM	23-73-00-710-005	Operational test of the Passenger Address (PA) system
AMM	23-73-00-710-021	Operational test of the Cabin and Flight Crew Interphone System
AMM ASM	23-73-00-710-022 23-44/01	Operational test of the Passenger Address (PA) system

3. Fault Confirmation

R **ON A/C 201-225, 227-227, 229-275, 426-455, 551-599, 701-749,

A. Do this Tests

- (1) Do the operational test of the cabin interphone system (Ref. AMM TASK 23-73-00-710-003).
- (2) Do the operational test of the passenger address system (Ref. AMM TASK 23-73-00-710-005).

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

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

- A. Do this Tests
 - (1) Do the operational test of the cabin interphone system (Ref. AMM TASK 23-73-00-710-021).
 - (2) Do the operational test of the passenger address system (Ref. AMM TASK 23-73-00-710-022).
- R **ON A/C 201-225, 227-227, 229-299, 426-455, 476-499, 503-549, 551-599, R 701-749,
 - 4. Fault Isolation
 - A. If there is confirmation of the fault
 - (1) Electrically disconnect the MAINTENANCE INTERPHONE JACK, ENG1 (4000RJ-1), (Ref. AMM TASK 23-44-41-000-003).
 - (a) Do the tests given in the para. 3.
 - If the fault continues:
 - Connect the MAINTENANCE INTERPHONE JACK, ENG1 (4000RJ-1), (Ref. AMM TASK 23-44-41-400-003).
 - If there is no fault:
 - Replace the MAINTENANCE INTERPHONE JACK, ENG1 (4000RJ-1), (Ref. AMM TASK 23-44-41-000-003) and (Ref. AMM TASK 23-44-41-400-003).
 - (2) If the fault continues:
 - (a) Electrically disconnect the MAINTENANCE INTERPHONE JACK , ENG2 (4000RJ-2), (Ref. AMM TASK 23-44-41-000-003).
 - 1 Do the tests given in para. 3.
 - If the fault continues:
 - Connect the MAINTENANCE INTERPHONE JACK, ENG2 (4000RJ-2), (Ref. AMM TASK 23-44-41-400-003).
 - If there is no fault:
 - Replace the MAINTENANCE INTERPHONE JACK, ENG2 (4000RJ-2), (Ref. AMM TASK 23-44-41-000-003) and (Ref. AMM TASK 23-44-41-400-003).

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476-499, 503-549, 551-599, 701-749,

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- (3) If the fault continues:
 - (a) Electrically disconnect the MAINTENANCE INTERPHONE JACK (1RJ).
 - 1 Do the tests given in the para. 3.
 - a If the fault continues:
 - Connect the MAINTENANCE INTERPHONE JACK (1RJ).
 - b If there is no fault:
 - Replace the MAINTENANCE INTERPHONE JACK (1RJ).
- (4) If the fault continues:
 - (a) Electrically disconnect the MAINTENANCE INTERPHONE JACK (2RJ).
 - 1 Do the tests given in the para. 3.
 - a If the fault continues:
 - Connect the MAINTENANCE INTERPHONE JACK (2RJ).
 - b If there is no fault:
 - Replace the MAINTENANCE INTERPHONE JACK (2RJ).
- (5) If the fault continues:
 - (a) Electrically disconnect the MAINTENANCE INTERPHONE JACK (3RJ).
 - 1 Do the tests given in the para. 3.
 - a If the fault continues:
 - Connect the MAINTENANCE INTERPHONE JACK (3RJ).
 - b If there is no fault:
 - Replace the MAINTENANCE INTERPHONE JACK (3RJ).
- (6) If the fault continues:
 - (a) Electrically disconnect the MAINTENANCE INTERPHONE JACK (11RJ).
 - 1 Do the tests given in the para. 3.
 - a If the fault continues:
 - Connect the MAINTENANCE INTERPHONE JACK (11RJ).
 - b If there is no fault:
 - Replace the MAINTENANCE INTERPHONE JACK (11RJ).

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- (7) If the fault continues:
 - (a) Electrically disconnect the MAINTENANCE INTERPHONE JACK (13RJ).
 - 1 Do the tests given in the para. 3.
 - a If the fault continues:
 - Connect the MAINTENANCE INTERPHONE JACK (13RJ).
 - b If there is no fault:
 - Replace the MAINTENANCE INTERPHONE JACK (13RJ).
- (8) If the fault continues:
 - (a) Electrically disconnect the MAINTENANCE INTERPHONE JACK (14RJ).
 - 1 Do the tests given in the para. 3.
 - a If the fault continues:
 - Connect the MAINTENANCE INTERPHONE JACK (14RJ).
 - b If there is no fault:
 - Replace the MAINTENANCE INTERPHONE JACK (14RJ).
- (9) If the fault continues:
 - Do a check and repair as necessary the wiring between the CIDS DIRECTOR 1 (101RH) and/or the CIDS DIRECTOR 2 (102RH) connectors G7, H7, J7 and the:
 - MAINTENANCE INTERPHONE JACK, ENG1 (4000RJ-1)
 - MAINTENANCE INTERPHONE JACK, ENG2 (4000RJ-2)
 - MAINTENANCE INTERPHONE JACK (1RJ)
 - MAINTENANCE INTERPHONE JACK (2RJ)
 - MAINTENANCE INTERPHONE JACK (3RJ)
 - MAINTENANCE INTERPHONE JACK (11RJ)
 - MAINTENANCE INTERPHONE JACK (13RJ)
 - MAINTENANCE INTERPHONE JACK (14RJ), (Ref. ASM 23-44/01).
- B. Do the test as given in para. 3.

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AUDIO MANAGEMENT (INTEGRATING/ FLIGHT INTERPHONE/SELCAL/CALL) FAULT ISOLATION PROCEDURES

TASK 23-51-00-810-801

Failure of the Captain ACP

- 1. Possible Causes
 - ACP-CAPT (2RN1)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-51-00-740-002	BITE Test of the Audio System
AMM	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	<pre>Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)</pre>
AMM	23-51-34-000-001	Removal of the Audio Management Unit (AMU) (1RN)
	23-51-34-400-001 23-51/02	Installation of the Audio Management Unit (AMU) (1RN)
AGII	23 31,02	

- 3. Fault Confirmation
 - A. Test

Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. If the test gives the maintenance message ACP1(2RN1):
 - Do a check for 28VDC at pin A/M of the ACP-CAPT (2RN1) (Ref. ASM 23-51/02).
 - (1) If there is 28VDC:
 - Replace the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).

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- (2) If there is no 28VDC:
 - Do a check for a ground signal at pin A/N of the ACP-CAPT (2RN1) (Ref. ASM 23-51/02).
 - (a) If there is no ground signal:
 - Repair the wiring from the ACP-CAPT (2RN1) pin A/N to the ground terminal (Ref. ASM 23-51/02).
 - (b) If there is a ground signal:
 - Do a check and repair the wiring from the ACP-CAPT (2RN1) pin A/M to the first terminal block (Ref. ASM 23-51/02).
- R **ON A/C 503-549, 551-599, 701-749,
 - A. If the test gives the maintenance message ACP1(2RN1):
 - Do a check for 28VDC at pin A/M of the ACP-CAPT (2RN1) (Ref. ASM 23-51/02).
 - (1) If there is 28VDC:
 - Replace the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (2) If there is no 28VDC:
 - Do a check and repair the wiring from the ACP-CAPT (2RN1) pins A/M,
 N to the AMU (1RN) pins AA/7G, 7F (Ref. ASM 23-51/02).
 - (3) 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).

**ON A/C ALL

B. Do the test given in para. 3.

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TASK 23-51-00-810-802

Failure of the First Officer ACP

- 1. Possible Causes
 - ACP-F/O (2RN2)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
АММ	23-51-00-740-002	BITE Test of the Audio System
		•
AMM	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
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)
ASM	23-51/03	_

- 3. Fault Confirmation
 - A. Test
 Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).
- 4. Fault Isolation

SROS

- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. If the test gives the maintenance message ACP2(2RN2):
 - Do a check for 28VDC at pin A/M of the ACP-F/O (2RN2) (Ref. ASM 23-51/03).
 - (1) If there is 28VDC:
 - Replace the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (2) If there is no 28VDC:
 - Do a check for a ground signal at pin A/N of the ACP-F/O (2RN2) (Ref. ASM 23-51/03).
 - (a) If there is no ground signal:
 - Repair the wiring from the ACP-F/O (2RN2) pin A/N and the ground terminal (Ref. ASM 23-51/03).

EFF: ALL

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- (b) If there is a ground signal:
 - do a check and repair the wiring from the ACP-F/O (2RN2) pin A/M to the first terminal block (Ref. ASM 23-51/03).
- R **ON A/C 503-549, 551-599, 701-749,
 - A. If the test gives the maintenance message ACP2(2RN2):
 - Do a check for 28VDC at pin A/M of the ACP-F/O (2RN2) (Ref. ASM 23-51/03).
 - (1) If there is 28VDC:
 - Replace the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (2) If there is no 28VDC:
 - (a) Do a check and repair the wiring from the ACP-F/O (2RN2) pins A/M, N to the AMU (1RN) pins AA/9G, 9F (Ref. ASM 23-51/03).
 - (3) 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).

**ON A/C ALL

B. Do the test given in para. 3.

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EFF: ALL

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TASK 23-51-00-810-803

Failure of the Third Occupant ACP

- 1. Possible Causes
 - ACP-3RD OCCPNT (2RN3)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-51-00-740-002	BITE Test of the Audio System
		•
AMM	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
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)
ASM	23-51/04	_

- 3. Fault Confirmation
 - A. Test
 Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).
- 4. Fault Isolation

SROS

- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. If the test gives the maintenance message ACP3(2RN3):
 - Do a check for 28VDC at pin A/M of the ACP-3RD OCCPNT (2RN3) (Ref. ASM 23-51/04).
 - (1) If there is 28VDC:
 - Replace the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (2) If there is no 28VDC:
 - Do a check for a ground signal at pin A/N of the ACP-3RD OCCPNT (2RN3) (Ref. ASM 23-51/04).
 - (a) If there is no ground signal:
 - Repair the wiring from the ACP-3RD OCCPNT (2RN3) pin A/N to the ground terminal (Ref. ASM 23-51/04).

EFF: ALL

23-51-00

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- (b) If there is a ground signal:
 - Do a check and repair the wiring from the ACP-3RD OCCPNT (2RN3) pin A/M to the first terminal block (Ref. ASM 23-51/04).
- R **ON A/C 503-549, 551-599, 701-749,
 - A. If the test gives the maintenance message ACP3(2RN3):
 - Do a check for 28VDC at pin A/M of the ACP-3RD OCCPNT (2RN3) (Ref. ASM 23-51/04).
 - (1) If there is 28VDC:
 - Replace the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (2) If there is no 28VDC:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (3) If the fault continues:
 - Do a check and repair the wiring from the ACP-3RD OCCPNT (2RN3) pins A/M, N to the AMU (1RN) pins AA/11G, 11F (Ref. ASM 23-51/04).

**ON A/C ALL

B. Do the test given in para. 3.

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EFF:

ALL

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R **ON A/C 209-225, 244-275, 284-299, 428-475, 479-499,

TASK 23-51-00-810-804

Failure of the Avionics Compartment ACP

- 1. Possible Causes
 - ACP-AVNCS COMPT (2RN4)
- R AMU (1RN)
- R COM NAV/ACP/AVNCS/COMPT (7RN)
 - wiring
 - 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION	
AMM 23-51-00-740-002	BITE Test of the Audio System	
AMM 23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)	
AMM 23-51-12-400-001	<pre>Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)</pre>	
ASM 23-51/05		
3. Fault Confirmation		

- R **ON A/C 251-251,
- A. Test

 R Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).
- R **ON A/C 209-225, 244-275, 284-299, 428-475, 479-499,
 - 4. Fault Isolation
- R A. If the test gives the maintenance message ACP4(2RN4):
 R Do a check for 28VDC at pin A/M of the ACP-AVNCS COMPT (2RN4) (Ref. ASM 23-51/05).
- R (1) If there is 28VDC:
- R Replace the ACP-AVNCS COMPT (2RN4) (Ref. AMM TASK 23-51-12-000-001)
 R and (Ref. AMM TASK 23-51-12-400-001).

EFF: 209-225, 244-275, 284-299, 428-475, 479-499,

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EFF: 209-225, 244-275, 284-299, 428-475, 479-499, SROS

23-51-00

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**ON A/C ALL

TASK 23-51-00-810-806

Failure of the Audio Management Unit

- 1. Possible Causes
 - COM NAV/SELCAL (8RN)
 - COM/AUDIO/FLT/INTPH (9RN)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

KEFEKENUE		DESIGNATION
AMM	23-51-00-740-002	BITE Test of the Audio System
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)
ASM	23-51/02	
ASM	23-51/03	
ASM	23-51/04	

3. Fault Confirmation

ASM 23-51/05 ASM 23-51/06

- A. Test
 Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).
- 4. Fault Isolation
 - A. Table of the circuit breakers used in this procedure:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	COM/AUDIO/FLT/INTPH	9RN	G08
121VU	COM NAV/SELCAL	8RN	M04

EFF: ALL

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- R **ON A/C 201-225, 227-227, 229-250, 252-299, 426-499,
 - B. If the test gives the maintenance message AUDIO MANAGEMENT UNIT:
 - Do a check of the circuit breakers (COM NAV/SELCAL (8RN) and COM/AUDIO/FLT/INTPH (9RN)) status.
 - (1) If the two circuit breakers are closed:
 - Do a check for 28VDC at pins AC/9, 10 of the AMU (1RN) (Ref. ASM 23-51/06).
 - (a) If there is 28VDC at the two pins:
 - Do a check at the 28VDC POWER SUPPLY signal of each card of the
 - . For the AMU Card 1, 28VDC at pin AC/1 of the AMU (1RN) (Ref. ASM 23-51/02)
 - . For the AMU Card 2, 28VDC at pin AC/4 of the AMU (1RN) (Ref. ASM 23-51/03)
 - For the AMU Card 3, 28VDC at pin AC/5 of the AMU (1RN) (Ref. ASM 23-51/04).
 - 1 If there is 28VDC at each pin:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If there is no 28VDC at each pin:
 - Do a check of the ground and repair the wiring from the AMU (1RN) pins AC/7, 8 to the ground terminal (Ref. ASM 23-51/03) and (Ref. ASM 23-51/04).
 - 3 If there is no 28VDC at one of the pins:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - If the fault continues:
 - Repair the wiring between that faulty pin and the first terminal block.
 - (b) If there is no 28VDC at the two pins:
 - Do a check of the ground and repair the wiring from the AMU (1RN) pins AC/7, 8 to the ground terminal (Ref. ASM 23-51/03) and (Ref. ASM 23-51/04).
 - (c) If there is no 28VDC at pin AC/9 of the AMU (1RN):
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Do a check of the wiring from the AMU (1RN) pin AC/9 to the circuit breaker COM/AUDIO/FLT/INTPH (9RN) (Ref. ASM 23-51/06).

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- a If there is no continuity: - Repair the above wiring.
- b If there is continuity: - Replace the circuit breaker COM/AUDIO/FLT/INTPH (9RN).
- (d) If there is no 28VDC at pin AC/10 of the AMU (1RN): - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and
 - (Ref. AMM TASK 23-51-34-400-001).
 - If the fault continues:
 - Do a check of the wiring from the AMU (1RN) pin AC/10 to the circuit breaker COM NAV/SELCAL (8RN) (Ref. ASM 23-51/06).
 - a If the fault continues:
 - Repair the above wiring.
 - b If the fault continues:
 - Replace the circuit breaker COM NAV/SELCAL (8RN).
- (2) If the circuit breaker COM/AUDIO/FLT/INTPH (9RN) is open: - Close it.
 - (a) If it opens again:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - If the fault continues:
 - Do a check for a short to ground at the wiring from the AMU (1RN) pin AC/9 to the circuit breaker COM/AUDIO/FLT/INTPH (9RN) (Ref. ASM 23-51/06).
 - a If there is a short to ground:
 - Repair the related wiring.
 - b If there is no short to ground:
 - Replace the circuit breaker COM/AUDIO/FLT/INTPH (9RN).
- (3) If the circuit breaker COM NAV/SELCAL (8RN) is open: - Close it.
 - (a) If it opens again:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - If the fault continues:
 - Do a check for a short to ground at the wiring from the AMU (1RN) pin AC/10 to the circuit breaker COM NAV/SELCAL (8RN) (Ref. ASM 23-51/06).
 - If there is a short to ground:
 - Repair the related wiring.

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<u>b</u> If there is no short to ground:
 - Replace the circuit breaker COM NAV/SELCAL (8RN).

**ON A/C 251-251,

- B. If the test gives the maintenance message AUDIO MANAGEMENT UNIT:
 - Do a check of the circuit breakers (COM NAV/SELCAL (8RN) and COM/AUDIO/FLT/INTPH (9RN)) status.
 - (1) If the two circuit breakers are closed:
 - Do a check for 28VDC at pins AC/9, 10 of the AMU (1RN) (Ref. ASM 23-51/06).
 - (a) If there is 28VDC at the two pins:
 - Do a check at the 28VDC POWER SUPPLY signal of each card of the AMU (1RN):
 - For the AMU Card 1, 28VDC at pin AC/1 of the AMU (1RN) (Ref. ASM 23-51/02)
 - For the AMU Card 2, 28VDC at pin AC/4 of the AMU (1RN) (Ref. ASM 23-51/03)
 - For the AMU Card 3, 28VDC at pin AC/5 of the AMU (1RN) (Ref. ASM 23-51/04)
 - . For the AMU Card 4, 28VDC at pin AC/6 of the AMU (1RN) (Ref. ASM 23-51/05)
 - 1 If there is 28VDC at each pin:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If there is no 28VDC at each pin:
 - Do a check of the ground and repair the wiring from the AMU (1RN) pins AC/7, 8 to the ground terminal (Ref. ASM 23-51/03) and (Ref. ASM 23-51/04).
 - 3 If there is no 28VDC at one of the pins:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) (Ref. AMM TASK 23-51-34-400-001).
 - a If the fault continues:
 - Repair the wiring between that faulty pin and the first terminal block.
 - (b) If there is no 28VDC at the two pins:
 - Do a check of the ground and repair the wiring from the AMU (1RN) pins AC/7, 8 to the ground terminal (Ref. ASM 23-51/03) and (Ref. ASM 23-51/04).
 - (c) If there is no 28VDC at pin AC/9 of the AMU (1RN):
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).

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R R R	 If the fault continues: Do a check of the wiring from the AMU (1RN) pin AC/9 to the circuit breaker COM/AUDIO/FLT/INTPH (9RN) (Ref. ASM 23-51/06).
R R	<u>a</u> If there is no continuity:Repair the above wiring.
R R	 <u>b</u> If there is continuity: Replace the circuit breaker COM/AUDIO/FLT/INTPH (9RN).
R R R	(d) If there is no 28VDC at pin AC/10 of the AMU (1RN):Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
R R R	 If the fault continues: Do a check of the wiring from the AMU (1RN) pin AC/10 to the circuit breaker COM NAV/SELCAL (8RN) (Ref. ASM 23-51/06).
R R	<u>a</u> If there is no continuity:Repair the above wiring.
R R	<u>b</u> If there is continuity:Replace the circuit breaker COM NAV/SELCAL (8RN).
R R	(2) If the circuit breaker COM/AUDIO/FLT/INTPH (9RN) is open:Close it.
R R R	(a) If it opens again:Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
R R R	 If the fault continues: Do a check for a short to ground at the wiring from the AMU (1RN) pin AC/9 to the circuit breaker COM/AUDIO/FLT/INTPH (9RN) (Ref. ASM 23-51/06).
R R	 <u>a</u> If there is a short to ground: - Repair the related wiring.
R R	 <u>b</u> If there is no short to ground: - Replace the circuit breaker COM/AUDIO/FLT/INTPH (9RN).
R R	(3) If the circuit breaker COM NAV/SELCAL (8RN) is open:Close it.
R R R	(a) If it opens again:Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).

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- 1 If the fault continues:
 - Do a check for a short to ground at the wiring from the AMU (1RN) pin AC/10 to the circuit breaker COM NAV/SELCAL (8RN) (Ref. ASM 23-51/06).
 - <u>a</u> If there is a short to ground:
 - Repair the related wiring.
 - b If there is no short to ground:
 - Replace the circuit breaker COM NAV/SELCAL (8RN).
- R **ON A/C 503-549, 551-599, 701-749,
 - B. If the test gives the maintenance message AMU(1RN):
 - Do a check of the circuit breakers (COM NAV/SELCAL (8RN) and COM/AUDIO/FLT/INTPH (9RN)) status.
 - (1) If the two circuit breakers are closed:
 - Do a check for 28VDC at pins AA/11K and AC/10 of the AMU (1RN) (Ref. ASM 23-51/06).
 - (a) If there is 28VDC at the two pins:
 - Do a check for the 28VDC POWER SUPPLY signal at each card of the AMU (1RN) as follows:
 - . For the AMU Card 1, 28VDC at pin AC/1 of the AMU (1RN) (Ref. ASM 23-51/02)
 - For the AMU Card 2, 28VDC at pin AC/4 of the AMU (1RN) (Ref. ASM 23-51/03)
 - For the AMU Card 3, 28VDC at pin AC/5 of the AMU (1RN) (Ref. ASM 23-51/04).
 - 1 If there is 28VDC at all pins:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 2 If there is no 28VDC at all pins:
 - Do a check of the ground and repair the wiring from the AMU (1RN) pins AC/7, 8 to the ground terminal (Ref. ASM 23-51/03) and (Ref. ASM 23-51/04).
 - 3 If there is no 28VDC at one of the pins:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - a If the fault continues:
 - Repair the wiring between that faulty pin and the first terminal block.

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- (b) If there is no 28VDC at the two pins:
 - Do a check of the ground and repair the wiring from the AMU (1RN) pins AC/7, 8 to the ground terminal (Ref. ASM 23-51/03) and (Ref. ASM 23-51/04).
- (c) If there is no 28VDC at pin AA/11K of the AMU (1RN):
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Do a check of the wiring from the AMU (1RN) pin AA/11K and the circuit breaker COM/AUDIO/FLT/INTPH (9RN) (Ref. ASM 23-51/06).
 - <u>a</u> If there is no continuity:
 - Repair the above wiring.
 - b If there is continuity:
 - Replace the circuit breaker COM/AUDIO/FLT/INTPH (9RN).
- (d) If there is no 28VDC at pin AC/10 of the AMU (1RN):
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Do a check of the wiring from the AMU (1RN) pin AC/10 to the circuit breaker COM NAV/SELCAL (8RN) (Ref. ASM 23-51/06).
 - a If there is no continuity:
 - Repair the above wiring.
 - b If there is continuity:
 - Replace the circuit breaker COM NAV/SELCAL (8RN).
- (2) If the circuit breaker COM/AUDIO/FLT/INTPH (9RN) is open:
 - Close it.
 - (a) If it opens again:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Do a check for a short to ground at the wiring from the AMU (1RN) pin AA/11K to the circuit breaker COM/AUDIO/FLT/INTPH (9RN) (Ref. ASM 23-51/06).
 - a If there is a short to ground:
 - Repair the related wiring.
 - b If there is no short to ground:
 - Replace the circuit breaker COM/AUDIO/FLT/INTPH (9RN).

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R	(3) If the circuit breaker COM NAV/SELCAL (8RN) is open:
R	- Close it.
R	(a) If it opens again:
R	 Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and
R	(Ref. AMM TASK 23-51-34-400-001).
R	1 If the fault continues:
R	 Do a check for a short to ground at the wiring from the AML
R	(1RN) pin AC/10 to the circuit breaker COM NAV/SELCAL (8RN)
R	(Ref. ASM 23-51/06).
R	a If there is a short to ground:
R	- Repair the related wiring.
R	b If there is no short to ground:
R	- Replace the circuit breaker COM NAV/SELCAL (8RN).
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**ON A/C ALL

C. Do the test given in para. 3.

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TROUBLE SHOOTING MANUAL

TASK 23-51-00-810-808

Loss of the Data from the Captain ACP to the AMU

- 1. Possible Causes
 - ACP-CAPT (2RN1)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-51-00-740-002	BITE Test of the Audio System
AMM	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-34-000-001	Removal of the Audio Management Unit (AMU) (1RN)
AMM ASM	23-51-34-400-001 23-51/02	Installation of the Audio Management Unit (AMU) (1RN)

- 3. Fault Confirmation
 - A. Test
 Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. If the test gives the maintenance message ACP1(2RN1)/AMU(1RN):
 - Replace the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (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).
 - (a) If the fault continues:
 - Do a check and repair the wiring of the DATA OUT signal from the ACP-CAPT (2RN1) pins A/H, G to the AMU (1RN) pins AB/14A, 13A (Ref. ASM 23-51/02).

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TROUBLE SHOOTING MANUAL

R **ON A/C 503-549, 551-599, 701-749,

- A. If the test gives the maintenance message ACP1(2RN1)/AMU(1RN):
 - Replace the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (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).
 - (2) If the fault continues:
 - Do a check and repair the wiring from the ACP-CAPT (2RN1) pins A/H,G to the AMU (1RN) pins AB/7K, 7J (Ref. ASM 23-51/02).

**ON A/C ALL

B. Do the test given in para. 3.

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TROUBLE SHOOTING MANUAL

TASK 23-51-00-810-809

Loss of the Data from the First Officer ACP to the AMU

- 1. Possible Causes
 - ACP-F/O (2RN2)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-51-00-740-002	BITE Test of the Audio System
AMM	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-34-000-001	Removal of the Audio Management Unit (AMU) (1RN)
AMM ASM	23-51-34-400-001 23-51/03	Installation of the Audio Management Unit (AMU) (1RN)

- 3. Fault Confirmation
 - A. Test Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. If the test gives the maintenance message ACP2(2RN2)/AMU(1RN):
 - Replace the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (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).
 - (a) If the fault continues:
 - Do a check and repair the wiring of the DATA OUT signal from the ACP-F/O (2RN2) pins A/H, G to the AMU (1RN) pins AB/13B, 14B (Ref. ASM 23-51/03).

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R **ON A/C 503-549, 551-599, 701-749,

- A. If the test gives the maintenance message ACP2(2RN2)/AMU(1RN):
 - Replace the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (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).
 - (2) If the fault continues:
 - Do a check and repair the wiring from the ACP-F/O (2RN2) pin A/H, G to the AMU (1RN) pin AB/11K, 11J (Ref. ASM 23-51/03).

**ON A/C ALL

B. Do the test given in para. 3.

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TASK 23-51-00-810-810

Loss of the Data from the Third Occupant ACP to the AMU

- 1. Possible Causes
 - ACP-3RD OCCPNT (2RN3)
 - AMU (1RN)
 - wiring
- Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-51-00-740-002	BITE Test of the Audio System
AMM	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	<pre>Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)</pre>
AMM	23-51-34-000-001	Removal of the Audio Management Unit (AMU) (1RN)
AMM ASM	23-51-34-400-001 23-51/04	Installation of the Audio Management Unit (AMU) (1RN)

- 3. Fault Confirmation
 - A. Test Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. If the test gives the maintenance message ACP3(2RN3)/AMU(1RN):
 - Replace the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (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).
 - (a) If the fault continues:
 - Do a check and repair the wiring of the DATA OUT signal from the ACP-3RD OCCPNT (2RN3) pins A/H, G to the AMU (1RN) pins AB/14C, 13C (Ref. ASM 23-51/04).

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R **ON A/C 503-549, 551-599, 701-749,

- A. If the test gives the maintenance message ACP3(2RN3)/AMU(1RN):
 - Replace the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (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).
 - (2) If the fault continues:
 - Do a check and repair the wiring from: the ACP-3RD OCCPNT (2RN3) pins A/H, G to the AMU (1RN) pins AB/15K, 15J (Ref. ASM 23-51/04).

**ON A/C ALL

B. Do the test given in para. 3.

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**ON A/C 251-251,

TASK 23-51-00-810-811

Loss of the Data from the Avionics Compartment ACP to the AMU

- 1. Possible Causes
 - ACP-AVNCS COMPT (2RN4)
 - AMU (1RN)
- R wiring
 - 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
АММ	23-51-00-740-002	DITE Took of the Audie System
		BITE Test of the Audio System
AMM	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	<pre>Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)</pre>
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)
ASM	23-51/05	

- 3. Fault Confirmation
 - A. Test

R

R

R

R

R

R

R

R

Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).

- 4. Fault Isolation
 - A. If the test gives the maintenance message ACP4(2RN4)/AMU(1RN):
- R Replace the ACP-AVNCS COMPT (2RN4) (Ref. AMM TASK 23-51-12-000-001) and R (Ref. AMM TASK 23-51-12-400-001).
 - (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).
 - (a) If the fault continues:
 - Do a check and repair the wiring of the DATA OUT signal from the ACP-AVNCS COMPT (2RN4) pins A/H, G to the AMU (1RN) pins AB/13D, 14D (Ref. ASM 23-51/05).
 - B. Do the test given in para. 3.

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**ON A/C ALL

TASK 23-51-00-810-813

Loss of the Data from the AMU to the Captain ACP

- 1. Possible Causes
 - ACP-CAPT (2RN1)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-51-00-740-002	BITE Test of the Audio System
AMM	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
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)
ASM	23-51/02	

- 3. Fault Confirmation
 - A. Test

Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. If the test gives the maintenance message NO DATA FROM AMU TO ACP 1: - Replace the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (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).
 - (a) If the fault continues:
 - Do a check and repair the wiring of the DATA OUTPUT CARD 1 signal from the AMU (1RN) pins AB/12A, 11A to the ACP-CAPT (2RN1) pins A/K, J (Ref. ASM 23-51/02).

EFF: ALL 23-51

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TROUBLE SHOOTING MANUAL

R **ON A/C 503-549, 551-599, 701-749,

- A. If the test gives the maintenance message NO DATA FROM AMU TO ACP 1:
 Replace the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (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).
 - (2) If the fault continues:
 - Do a check and repair the wiring from the ACP-CAPT (2RN1) pin A/K,
 J to the AMU (1RN) pin AB/6K, 6J (Ref. ASM 23-51/02).

**ON A/C ALL

B. Do the test given in para. 3.

EFF: ALL 23-51-00

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TROUBLE SHOOTING MANUAL

TASK 23-51-00-810-814

Loss of the Data from the AMU to the First Officer ACP

- 1. Possible Causes
 - ACP-F/O (2RN2)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
	27 54 00 740 000	
AMM	23-51-00-740-002	BITE Test of the Audio System
AMM	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	<pre>Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)</pre>
AMM	23-51-34-000-001	Removal of the Audio Management Unit (AMU) (1RN)
AMM ASM	23-51-34-400-001 23-51/03	Installation of the Audio Management Unit (AMU) (1RN)

- 3. Fault Confirmation
 - A. Test
 Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. If the test gives the maintenance message NO DATA FROM AMU TO ACP 2: - Replace the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (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).
 - (a) If the fault continues:
 - Do a check and repair the wiring of the DATA OUTPUT CARD 2 signal from the AMU (1RN) pins AB/11B, 12B to the ACP-F/O (2RN2) pins A/K, J (Ref. ASM 23-51/03).

EFF: ALL
SROS

23-51-00

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TROUBLE SHOOTING MANUAL

R **ON A/C 503-549, 551-599, 701-749,

- A. If the test gives the maintenance message NO DATA FROM AMU TO ACP 2: - Replace the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (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).
 - (2) If the fault continues:
 - Do a check and repair the wiring from the ACP-F/O (2RN2) pin A/K, J to the AMU (1RN) pin AB/10K, 10J (Ref. ASM 23-51/03).

**ON A/C ALL

B. Do the test given in para. 3.

EFF: ALL 23-51-00

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TROUBLE SHOOTING MANUAL

TASK 23-51-00-810-815

Loss of the Data from the AMU to the Third Occupant ACP

- 1. Possible Causes
 - ACP-3RD OCCPNT (2RN3)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-51-00-740-002	BITE Test of the Audio System
AMM	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	<pre>Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)</pre>
AMM	23-51-34-000-001	Removal of the Audio Management Unit (AMU) (1RN)
AMM ASM	23-51-34-400-001 23-51/04	Installation of the Audio Management Unit (AMU) (1RN)

- 3. Fault Confirmation
 - A. Test
 Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. If the test gives the maintenance message NO DATA FROM AMU TO ACP 3:
 Replace the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (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).
 - (a) If the fault continues:
 - Do a check and repair the wiring of the DATA OUTPUT CARD 3 signal from the AMU (1RN) pins AB/12C, 11C to the ACP-3RD OCCPNT (2RN3) pins A/K, J (Ref. ASM 23-51/04).

EFF: ALL
SROS

23-51-00

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TROUBLE SHOOTING MANUAL

R **ON A/C 503-549, 551-599, 701-749,

- A. If the test gives the maintenance message NO DATA FROM AMU TO ACP 3:
 Replace the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001).
 - (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).
 - (2) If the fault continues:
 - Do a check and repair the wiring from the AMU (1RN) pin AB/14K, 14J to the ACP-3RD OCCPNT (2RN3) pin A/K, J (Ref. ASM 23-51/04).

**ON A/C ALL

B. Do the test given in para. 3.

EFF: ALL 23-51-00

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TROUBLE SHOOTING MANUAL

TASK 23-51-00-810-816

Loss of the Data from the AMU to the Avionics Compartment ACP

- 1. Possible Causes
 - ACP-AVNCS COMPT (2RN4)
 - AMU (1RN)
- R wiring
 - 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
A M M	27 54 00 7/0 002	DITE Took of the Audie Custom
	23-51-00-740-002	BITE Test of the Audio System
AMM	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	<pre>Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)</pre>
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)
ASM	23-51/05	

- 3. Fault Confirmation
- A. Test

 R Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).
 - 4. Fault Isolation

**ON A/C 251-251,

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- A. If the test gives the maintenance message NO DATA FROM AMU TO ACP 4:

 R Replace the ACP-AVNCS COMPT (2RN4) (Ref. AMM TASK 23-51-12-000-001) and

 R (Ref. AMM TASK 23-51-12-400-001).
 - (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).
 - (a) If the fault continues:
 - Do a check and repair the wiring of the DATA OUTPUT CARD 4 signal from the AMU (1RN) pins AB/11D, 12D to the ACP-AVNCS COMPT (2RN4) pins A/K, J (Ref. ASM 23-51/05).

EFF: ALL 23-51-00
SROS

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**ON A/C ALL

R B. Do the test given in para. 3.

EFF: ALL
SROS

23-51-00

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TROUBLE SHOOTING MANUAL

R **ON A/C 201-225, 227-227, 229-299, 426-499, 701-702,

TASK 23-51-00-810-818

Loss of the Power Supply of the ACP 1 and AMU Card 1

- 1. Possible Causes
 - COM/AUDIO/ACP/CAPT (4RN)
 - ACP-CAPT (2RN1)
 - AMU (1RN)
- RELAY-SUPLY TRANSFER (68RN)
 - wiring
 - 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-51-00-740-002	BITE Test of the Audio System
AMM	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	<pre>Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)</pre>
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)
ASM	23-51/02	·

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. Test
 Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).

EFF: 201-225, 227-227, 229-299, 426-499, 701-702,

23-51-00

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TROUBLE SHOOTING MANUAL

R **ON A/C 201-225, 227-227, 229-299, 426-499, 701-702,

4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-299, 426-499,

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

PANEL DESIGNATION IDENT. LOCATION
49VU COM/AUDIO/ACP/CAPT 4RN G06

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R **ON A/C 201-225, 227-227, 229-299, 426-499, 701-702,

- B. If the BITE test gives the two maintenance messages ACP1(2RN1)/AMU(1RN) and AMU(1RN):
 - Do a check of the circuit breaker COM/AUDIO/ACP/CAPT (4RN) status.
 - (1) If the circuit breaker is closed:
 Replace the COM/AUDIO/ACP/CAPT (4RN).
 - (a) If the fault continues:
 - Do a check and repair the wiring between the circuit breaker COM/AUDIO/ACP/CAPT (4RN) and the first terminal block (Ref. ASM 23-51/02).
 - (2) If the circuit breaker is open:
 Close it.
 - (a) If it opens again:
 - Remove the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001)
 - Remove the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001)
 - Close the circuit breaker COM/AUDIO/ACP/CAPT (4RN);
 - 1 If the circuit breaker stays closed:
 - Install the removed LRUs one by one until the circuit breaker COM/AUDIO/ACP/CAPT (4RN) opens again:
 - . (Ref. AMM TASK 23-51-12-400-001) for the ACP-CAPT (2RN1)
 - . (Ref. AMM TASK 23-51-34-000-001) for the AMU (1RN)
 - Replace the faulty LRU.
 - 2 If the circuit breaker opens again:
 - Replace the circuit breaker COM/AUDIO/ACP/CAPT (4RN).
 - a If the fault continues:
 - Do a check and repair the wiring from:
 - . The ACP-CAPT (2RN1) pin A/M to the first terminal block

EFF: 201-225, 227-227, 229-299, 426-499, 701-702, SROS

23-51-00

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- . The AMU (1RN) pin AC/1 to the first terminal block (Ref. ASM 23-51/02).
- Install the removed LRUs:
 - . (Ref. AMM TASK 23-51-12-400-001) for the ACP-CAPT (2RN1)
 - . (Ref. AMM TASK 23-51-34-000-001) for the AMU (1RN).
- (b) If the circuit breaker stays closed:
 - Replace the ACP-CAPT (2RN1) and the AMU (1RN) one by one until the fault is no longer there:

. (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001) for the ACP-CAPT (2RN1)

. (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001) for the AMU (1RN).

R **ON A/C 451-475,

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R Post SB 23-1333 For A/C 451-475,

- R B. If the BITE test gives the two maintenance messages ACP1(2RN1)/AMU(1RN) R and AMU(1RN):
 - Replace the RELAY-SUPLY TRANSFER (68RN)
- R (1) If the fault continues:
 - Do a check of the circuit breaker COM/AUDIO/ACP/CAPT (4RN) status.
- R (2) If the circuit breaker is closed:
 - Replace the circuit breaker COM/AUDIO/ACP/CAPT (4RN).
 - (a) If the fault continues:
 - Do a check and repair the wiring from the circuit breaker COM/AUDIO/ACP/CAPT (4RN) to the AMU (1RN) pin AC/1 (Ref. ASM 23-51/02).
 - (3) If the circuit breaker is open:
 - Close it.
 - (a) If it opens again:
 - Remove the ACP-CAPT (2RN1) (Ref. AMM TASK 23-51-12-000-001)
 - Remove the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001)
 - Close the circuit breaker COM/AUDIO/ACP/CAPT (4RN).
 - 1 If the circuit breaker stays closed:
 - Install the removed LRUs one by one until the circuit breaker COM/AUDIO/ACP/CAPT (4RN) opens again:
 - . (Ref. AMM TASK 23-51-12-400-001) for the ACP-CAPT (2RN1)
 - . (Ref. AMM TASK 23-51-34-000-001) for the AMU (1RN)
 - Replace the faulty LRU.
 - 2 If the circuit breaker opens again:
 - Replace the circuit breaker COM/AUDIO/ACP/CAPT (4RN).

EFF: 201-225, 227-227, 229-299, 426-499, 701-702, SROS

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R	a If the fault continues:
R	- Do a check and repair the wiring from :
R	. ACP-CAPT (2RN1) pin A/M to AMU (1RN) pin AA/7G
R	. AMU (1RN) pin AC/1 to RELAY-SUPLY TRANSFER (68RN) pin
R	A/B2
R	- RELAY-SUPLY TRANSFER (68RN) pin A/B3 to pin A/A2
R	. RELAY-SUPLY TRANSFER (68RN) pin A/A3 to circuit breaker
R	COM/AUDIO/ACP/CAPT (4RN).
R	- Install the removed LRUs:
R	. (Ref. AMM TASK 23-51-12-400-001) for the ACP-CAPT
R	(2RN1)
R	. (Ref. AMM TASK 23-51-34-000-001) for the AMU (1RN).
R	(b) If the circuit breaker stays closed:
R	- Replace the ACP-CAPT (2RN1) and the AMU (1RN) one by one until
R	the fault is no longer there:
R	. (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-
R	400-001) for the ACP-CAPT (2RN1)
R	. (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-
R	400-001) for the AMU (1RN).
R	**ON A/C 201-225, 227-227, 229-299, 426-499,

C. Do the test given in para. 3.

EFF : 201-225, 227-227, 229-299, 426-499, SROS

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TROUBLE SHOOTING MANUAL

R **ON A/C 201-225, 227-227, 229-299, 426-499, 701-702,

TASK 23-51-00-810-819

Loss of the Power Supply of the ACP 2 and AMU Card 2

- 1. Possible Causes
 - COM/AUDIO/ACP/F/O (5RN)
 - ACP-F/O (2RN2)
 - AMU (1RN)
- RELAY-SUPLY TRANSFER (69RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-51-00-740-002	BITE Test of the Audio System
AMM	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
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)
ASM	23-51/03	•
	25 517 05	

- 3. Fault Confirmation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. Test
 Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).

EFF: 201-225, 227-227, 229-299, 426-499, 701-702,

23-51-00

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R **ON A/C 201-225, 227-227, 229-299, 426-499, 701-702,

4. Fault Isolation

49VU COM/AUDIO/ACP/F/O

- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. Table of the circuit breakers used in this procedure:

______ PANEL DESIGNATION IDENT. LOCATION ______ G07 5RN

R **ON A/C 201-225, 227-227, 229-299, 426-499, 701-702,

- B. If the BITE test gives the two maintenance messages ACP2(2RN2)/AMU(1RN) and AMU(1RN):
 - Do a check of the circuit breaker COM/AUDIO/ACP/F/O (5RN) status.
 - (1) If the circuit breaker is closed: - Replace the COM/AUDIO/ACP/F/O (5RN).
 - (a) If the fault continues:
 - Do a check and repair the wiring from the circuit breaker COM/AUDIO/ACP/F/O (5RN) to the first terminal block (Ref. ASM 23-51/03).
 - (2) If the circuit breaker is open: - Close it.
 - (a) If it opens again:
 - Remove the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001)
 - Remove the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001)
 - Close the circuit breaker COM/AUDIO/ACP/F/O (5RN).
 - 1 If the circuit breaker stays closed:
 - Install the removed LRUs one by one until the circuit breaker COM/AUDIO/ACP/F/O (5RN) opens again:
 - . (Ref. AMM TASK 23-51-12-400-001) for the ACP-F/0 (2RN2)
 - . (Ref. AMM TASK 23-51-34-000-001) for the AMU (1RN)
 - Replace the faulty LRU.
 - 2 If the circuit breaker opens again:
 - Replace the circuit breaker COM/AUDIO/ACP/F/O (5RN).
 - a If the fault continues:
 - Do a check and repair the wiring from:
 - . The ACP-F/O (2RN2) pin A/M to the first terminal block

201-225, 227-227, 229-299, 426-499, EFF: 701-702, **SROS**

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- . The AMU (1RN) pin AC/4 to the first terminal block (Ref. ASM 23-51/03)
- Install the removed LRUs:
 - . (Ref. AMM TASK 23-51-12-400-001) for the ACP-F/0 (2RN2)
 - . (Ref. AMM TASK 23-51-34-000-001) for the AMU (1RN).
- (b) If the circuit breaker stays closed:
 - Replace the ACP-F/O (2RN2) and the AMU (1RN) one by one until the fault is no longer there:
 - . (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001) for the ACP-F/O (2RN2)
 - . (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001) for the AMU (1RN).

R **ON A/C 451-475,

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R Post SB 23-1333 For A/C 451-475,

- R B. If the BITE test gives the two maintenance messages ACP2(2RN2)/AMU(1RN) and AMU(1RN):
 - Replace the RELAY-SUPLY TRANSFER (69RN)
- R (1) If the fault continues:
 - Do a check of the circuit breaker COM/AUDIO/ACP/F/O (5RN) status.
- R (2) If the circuit breaker is closed:
 - Replace the circuit breaker COM/AUDIO/ACP/F/O (5RN).
- R (a) If the fault continues:
 - Do a check and repair the wiring from the circuit breaker COM/AUDIO/ACP/F/O (5RN) to the first terminal block (Ref. ASM 23-51/03).
 - (3) If the circuit breaker is open:
 - Close it.
 - (a) If it opens again:
 - Remove the ACP-F/O (2RN2) (Ref. AMM TASK 23-51-12-000-001)
 - Remove the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001)
 - Close the circuit breaker COM/AUDIO/ACP/F/O (5RN).
 - 1 If the circuit breaker stays closed:
 - Install the removed LRUs one by one until the circuit breaker COM/AUDIO/ACP/F/O (5RN) opens again:
 - . (Ref. AMM TASK 23-51-12-400-001) for the ACP-F/O (2RN2)
 - . (Ref. AMM TASK 23-51-34-000-001) for the AMU (1RN)
 - Replace the faulty LRU.
 - 2 If the circuit breaker opens again:
 - Replace the circuit breaker COM/AUDIO/ACP/F/O (5RN).

EFF: 201-225, 227-227, 229-299, 426-499, 701-702,

23-51-00

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R	<pre>a If the fault continues:</pre>
R	<pre>- Do a check and repair the wiring from :</pre>
R	ACP-F/O (2RN2) pin A/M to the circuit breaker
R	COM/AUDIO/ACP/F/O (5RN)
R	. AMU (1RN) pin AC/4 to the RELAY-SUPLY TRANSFER (69RN)
R	pin A/B2
R	RELAY-SUPLY TRANSFER (69RN) pin A/B3 to pin A/A2
R	- RELAY-SUPLY TRANSFER (69RN) pin A/A3 to the circuit
R	breaker COM/AUDIO/ACP/F/O (5RN)
R	- Install the removed LRUs:
R	. (Ref. AMM TASK 23-51-12-400-001) for the ACP-F/0 (2RN2)
R	. (Ref. AMM TASK 23-51-34-000-001) for the AMU (1RN).
R	(b) If the circuit breaker stays closed:
R	 Replace the ACP-F/O (2RN2) and the AMU (1RN) one by one until
R	the fault is no longer there:
R	. (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-
R	400-001) for the ACP-F/O (2RN2)
R	. (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-
R	400-001) for the AMU (1RN).
R	**ON A/C 201-225, 227-227, 229-299, 426-499,

C. Do the test given in para. 3.

EFF: 201-225, 227-227, 229-299, 426-499, SROS

23-51-00

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TROUBLE SHOOTING MANUAL

TASK 23-51-00-810-820

Loss of the Power Supply of the ACP 3 and AMU Card 3

- 1. Possible Causes
 - COM NAV/ACP/THIRD/OCCPNT (6RN)
 - ACP-3RD OCCPNT (2RN3)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
л м м	27 54 00 7/0 002	DITE Took of the Audie Custom
AMM	23-51-00-740-002	BITE Test of the Audio System
AMM	23-51-12-000-001	Removal of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-12-400-001	Installation of the Audio Control Panel (ACP) (2RN1, 2RN2, 2RN3, 2RN4, 2RN5)
AMM	23-51-34-000-001	Removal of the Audio Management Unit (AMU) (1RN)
	23-51-34-400-001 23-51/04	Installation of the Audio Management Unit (AMU) (1RN)
ASM	23-31/04	

- 3. Fault Confirmation
 - A. Test
 Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).
- 4. Fault Isolation
 - A. Table of the circuit breakers used in this procedure:

PANEL	DESIGNATION	IDENT.	LOCATION
121VU	COM NAV/ACP/THIRD/OCCPNT	6RN	M02

23-51-00

EFF: 201-225, 227-227, 229-299, 426-499,

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- B. If the BITE test gives the two maintenance messages ACP3(2RN3)/AMU(1RN) and AMU(1RN):
 - Do a check of the circuit breaker COM NAV/ACP/THIRD/OCCPNT (6RN) status.
 - (1) If the circuit breaker is closed:
 - Replace the C/B COM NAV/ACP/THIRD/OCCPNT (6RN).
 - (a) If the fault continues:
 - Do a check and repair the wiring from the circuit breaker COM NAV/ACP/THIRD/OCCPNT (6RN) to the first terminal block (Ref. ASM 23-51/04).
 - (2) If the circuit breaker is open:
 - Close it.
 - (a) If it opens again:
 - Remove the ACP-3RD OCCPNT (2RN3) (Ref. AMM TASK 23-51-12-000-001)
 - Remove the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001)
 - Close the circuit breaker COM NAV/ACP/THIRD/OCCPNT (6RN).
 - 1 If the circuit breaker stays closed:
 - Install the removed LRUs one by one until the circuit breaker COM NAV/ACP/THIRD/OCCPNT (6RN) opens again:
 (Ref. AMM TASK 23-51-12-400-001) for the ACP-3RD OCCPNT (2RN3)
 - . (Ref. AMM TASK 23-51-34-000-001) for the AMU (1RN).
 - Replace the faulty LRU.
 - 2 If the circuit breaker opens again:
 - Replace the circuit breaker COM NAV/ACP/THIRD/OCCPNT (6RN).
 - a If the fault continues:
 - Do a check and repair the wiring from:
 - . The ACP-3RD OCCPNT (2RN3) pin A/M to the first terminal block
 - The AMU (1RN) pin AC/5 to the first terminal block (Ref. ASM 23-51/04).
 - Install the removed LRUs:
 - . (Ref. AMM TASK 23-51-12-400-001) for the ACP-3RD OCCPNT (2RN3)
 - . (Ref. AMM TASK 23-51-34-000-001) for the AMU (1RN).
 - (b) If the circuit breaker stays closed:
 - Replace the ACP-3RD OCCPNT (2RN3) and the AMU (1RN) one by one until the fault is no longer there:
 - . (Ref. AMM TASK 23-51-12-000-001) and (Ref. AMM TASK 23-51-12-400-001) for the ACP-3RD OCCPNT (2RN3)
 - . (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001) for the AMU (1RN).

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EFF: 201-225, 227-227, 229-299, 426-499,

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C. Do the test given in para. 3.

EFF: 201-225, 227-227, 229-299, 426-499,

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**ON A/C 251-251,

TASK 23-51-00-810-821

Loss of the Power Supply of the ACP 4 and AMU Card 4

- 1. Possible Causes
 - AMU (1RN)
 - COM NAV/ACP/AVNCS/COMPT (7RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-51-00-740-002 23-51-34-000-001 23-51-34-400-001	BITE Test of the Audio System Removal of the Audio Management Unit (AMU) (1RN) Installation of the Audio Management Unit (AMU) (1RN)
	23-51/05	The tactacion of the Addio Hanagement office (And) (INN)

- 3. Fault Confirmation
 - A. Test
 Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).
- 4. Fault Isolation
 - A. Table of the circuit breakers used in this procedure:

PANEL DESIGNATION IDENT. LOCATION

121VU COM NAV/ACP/AVNCS/COMPT

- B. If the BITE test gives the two maintenance messages ACP4(2RN4)/AMU(1RN) and AMU(1RN):
 - (1) Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) (Ref. AMM TASK 23-51-34-400-001).
 - (2) If the fault continues:
 - Do a check and repair the wiring from the circuit breaker COM NAV/ACP/AVNCS/COMPT (7RN) to the AMU (1RN) pin AC/9 (Ref. ASM 23-51/05).

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M03

7RN

EFF: 251-251,

SROS

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- (3) If the fault continues:
 Replace the circuit breaker COM NAV/ACP/AVNCS/COMPT (7RN).
- C. Do the test given in para. 3.

EFF : 251-251, SROS 23-51-00

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R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, R 555-555, 564-599,

TASK 23-51-00-810-823

Loss of the SELCAL Code by the HF 1 System

- 1. Possible Causes
 - XCVR-HF, 1 (3RE1)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
23-51-00-810-828 AMM 23-11-33-000-001	Loss of the SELCAL Code Removal of the HF Transceiver (3RE1, 3RE2)
AMM 23-11-33-400-001 AMM 23-51-00-710-002	Installation of the HF Transceiver (3RE1, 3RE2) Operational Test of the SELCAL System
AMM 23-51-34-000-001 AMM 23-51-34-400-001	Removal of the Audio Management Unit (AMU) (1RN) Installation of the Audio Management Unit (AMU) (1RN)
ASM 23-11/01	

- 3. Fault Confirmation
- R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, R 555-555, 564-599, Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599,
 - A. Test
 - (1) Do the operational test of the SELCAL system (Ref. AMM TASK 23-51-00-710-002).

NOTE: Do this test for each HF and VHF system.

202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, 555-555, 564-599,

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- R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, R 555-555, 564-599,
 - 4. Fault Isolation
- R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479,
 - A. If the ground station cannot make a SELCAL call:
 - (1) During the operational test of each HF and VHF system:
 Do the fault isolation procedure (Ref. TASK 23-51-00-810-828).
 - - (a) 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).
 - 1 If the fault continues:
 - Do a check and repair the wiring from the XCVR-HF, 1 (3RE1) pins AB/3D, 3C to the AMU (1RN) pins AA/4H, 4J (Ref. ASM 23-11/01).

**ON A/C 555-555, 564-599,

Post SB 23-1024 For A/C 555-555,564-599,

- A. If the ground station cannot make a SELCAL call:
 - (1) During the operational test of each HF and VHF system:Do the fault isolation procedure (Ref. TASK 23-51-00-810-828).
 - (2) During the operational test of the HF 1 system only:
 - Replace the XCVR-HF, 1 (3RE1) (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
 - (a) 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).
 - 1 If the fault continues:
 - Do a check and repair the wiring from the XCVR-HF, 1 (3RE1) pins AB/3D, 3C to the AMU (1RN) pins AA/2J, 2K (Ref. ASM 23-11/01).

EFF: 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, 555-555, 564-599,

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R **ON A/C 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479,
R 555-555, 564-599,
Post SB 23-1024 For A/C 202-202,245-245,555-555,564-599,

B. Do the test given in para. 3.

EFF: 202-202, 229-229, 245-245, 279-279, 428-428, 451-451, 478-479, 555-555, 564-599,

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

TASK 23-51-00-810-824

Loss of the SELCAL Code by the HF 2 System

- 1. Possible Causes
 - XCVR-HF, 2 (3RE2)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
23-51-00-810-828	Loss of the SELCAL Code
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 23-51-00-710-002	Operational Test of the SELCAL System
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)
ASM 23-11/01	

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,

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

- A. Test
 - (1) Do the operational test of the SELCAL system (Ref. AMM TASK 23-51-00-710-002).

NOTE: Do this test for each HF and VHF system.

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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,

- A. If the ground station cannot make a SELCAL call:
 - (1) During the operational test of each HF and VHF system:
 Do the fault isolation procedure (Ref. TASK 23-51-00-810-828).
 - - (a) 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).
 - 1 If the fault continues:
 - Do a check and repair the wiring from the XCVR-HF, 2 (3RE2) pins AB/3C, 3D to the AMU (1RN) pins AA/5H, 5J (Ref. ASM 23-11/01).

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

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

- A. If the ground station cannot make a SELCAL call:
 - (1) During the operational test of each HF and VHF system:Do the fault isolation procedure (Ref. TASK 23-51-00-810-828).
 - (2) During the operational test of the HF 2 system only:
 - Replace the XCVR-HF, 2 (3RE2) (Ref. AMM TASK 23-11-33-000-001) and (Ref. AMM TASK 23-11-33-400-001).
 - (a) 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).
 - 1 If the fault continues:
 - Do a check and repair the wiring from the XCVR-HF, 2 (3RE2) pins AB/3C, 3D to the AMU (1RN) pins AA/4k, 4J (Ref. ASM 23-11/01).

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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. Do the test given in para. 3.

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EFF :

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**ON A/C ALL

TASK 23-51-00-810-825

Loss of the SELCAL Code by the VHF 1 System

- 1. Possible Causes
 - XCVR-VHF, 1 (1RC1)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
23-51-00-810-828 AMM 23-12-33-000-001 AMM 23-12-33-400-001	Loss of the SELCAL Code Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3) Installation of the VHF Transceiver (1RC1, 1RC2, 1RC3)
AMM 23-51-00-710-002 AMM 23-51-34-000-001 AMM 23-51-34-400-001 ASM 23-12/01 ASM 23-51/06	Operational Test of the SELCAL System Removal of the Audio Management Unit (AMU) (1RN) Installation of the Audio Management Unit (AMU) (1RN)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the SELCAL system (Ref. AMM TASK 23-51-00-710-002).

NOTE: Do this test for each HF (if installed) and VHF system.

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. If the ground station cannot make a SELCAL call:
 - (1) During the operational test of each HF (if installed) and VHF system:
 Do the fault isolation procedure (Ref. TASK 23-51-00-810-828).

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- (2) During the operational test of the VHF 1 system only:
 - Replace the XCVR-VHF, 1 (1RC1) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (a) 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).
 - 1 If the fault continues:
 - Do a check and repair the wiring of the SELCAL OUTPUT signal from the XCVR-VHF, 1 (1RC1) pins AB/13A, 13B to the AMU (1RN) pins AA/1H, 1J (Ref. ASM 23-12/01).

**ON A/C 503-549, 551-599, 701-749,

- A. If the ground station cannot make a SELCAL call:
 - (1) During the operational test of each HF (if installed) and VHF system:
 Do the fault isolation procedure (Ref. TASK 23-51-00-810-828).
 - (2) During the operational test of the VHF 1 system only:
 - Replace the XCVR-VHF, 1 (1RC1) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (a) 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).
 - 1 If the fault continues:
 - Do a check and repair the wiring from the AMU (1RN) pins AA/1K, 1J to the XCVR-VHF, 1 (1RC1) pins AB/13A, 13B (Ref. ASM 23-51/06).

**ON A/C ALL

B. Do the test given in para. 3.

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TASK 23-51-00-810-826

Loss of the SELCAL Code by the VHF 2 System

- 1. Possible Causes
 - XCVR-VHF, 2 (1RC2)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	 Rence 	DESIGNATION
23-5	1-00-810-828	Loss of the SELCAL Code
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	23-51-00-710-002	Operational Test of the SELCAL System
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)
ASM	23-12/01	
ASM	23-51/06	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the SELCAL system (Ref. AMM TASK 23-51-00-710-002).

NOTE: Do this test for each HF (if installed) and VHF system.

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. If the ground station cannot make a SELCAL call:
 - (1) During the operational test of each HF (if installed) and VHF system:
 Do the fault isolation procedure (Ref. TASK 23-51-00-810-828).

EFF: ALL
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- (2) During the operational test of the VHF 2 system only:
 - Replace the XCVR-VHF, 2 (1RC2) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (a) 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).
 - 1 If the fault continues:
 - Do a check and repair the wiring of the SELCAL OUTPUT signal from the XCVR-VHF, 2 (1RC2) pins AB/13B, 13A to the AMU (1RN) pins AA/2H, 2J (Ref. ASM 23-12/01).

**ON A/C 503-549, 551-599, 701-749,

- A. If the ground station cannot make a SELCAL call:
 - (1) During the operational test of each HF (if installed) and VHF system:
 Do the fault isolation procedure (Ref. TASK 23-51-00-810-828).
 - (2) During the operational test of the VHF 2 system only:
 - Replace the XCVR-VHF, 2 (1RC2) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (a) 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).
 - 1 If the fault continues:
 - Do a check and repair the wiring from the AMU (1RN) pins AA/5K, 5J to the XCVR-VHF, 2 (1RC2) pins AB/13A, 13B (Ref. ASM 23-51/06).

**ON A/C ALL

B. Do the test given in para. 3.

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

TASK 23-51-00-810-827

Loss of the SELCAL Code by the VHF 3 System

- 1. Possible Causes
 - XCVR-VHF, 3 (1RC3)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
23-51-00-810-828	Loss of the SELCAL Code
AMM 23-12-33-000-0	O1 Removal of the VHF Transceiver (1RC1, 1RC2, 1RC3)
AMM 23-12-33-400-0	O1 Installation of the VHF Transceiver (1RC1, 1RC2, 1RC3)
AMM 23-51-00-710-0	O2 Operational Test of the SELCAL System
AMM 23-51-34-000-0	·
AMM 23-51-34-400-0	O1 Installation of the Audio Management Unit (AMU) (1RN)
ASM 23-12/01	
ASM 23-51/06	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the SELCAL system (Ref. AMM TASK 23-51-00-710-002).

NOTE: Do this test for each HF (if installed) and VHF system.

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-286, 426-499,
 - A. If the ground station cannot make a SELCAL call:
 - (1) During the operational test of each HF (if installed) and VHF system:
 Do the fault isolation procedure (Ref. TASK 23-51-00-810-828).

EFF: 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,

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- (2) During the operational test of the VHF 3 system only:
 - Replace the XCVR-VHF, 3 (1RC3) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (a) 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).
 - 1 If the fault continues:
 - Do a check and repair the wiring of the SELCAL OUTPUT signal from the XCVR-VHF, 3 (1RC3) pins AB/13A, 13B to the AMU (1RN) pins AA/3H, 3J (Ref. ASM 23-12/01).

**ON A/C 503-549, 551-599, 701-749,

- A. If the ground station cannot make a SELCAL call:
 - (1) During the operational test of each HF (if installed) and VHF system:
 Do the fault isolation procedure (Ref. TASK 23-51-00-810-828).
 - (2) During the operational test of the VHF 3 system only:
 - Replace the XCVR-VHF, 3 (1RC3) (Ref. AMM TASK 23-12-33-000-001) and (Ref. AMM TASK 23-12-33-400-001).
 - (a) 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).
 - 1 If the fault continues:
 - Do a check and repair the wiring of the SELCAL OUTPUT signal from the XCVR-VHF, 3 (1RC3) pins AB/13A, 13B to the AMU (1RN) pins AA/6K, 6J (Ref. ASM 23-51/06).
- R **ON A/C 201-225, 227-227, 229-286, 426-499, 503-549, 551-599, 701-749,
 - B. Do the test given in para. 3.

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**ON A/C ALL

TASK 23-51-00-810-828

Loss of the SELCAL Code

- 1. Possible Causes
 - SELCAL CODE PNL (3RN)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-51-00-710-002 AMM 23-51-13-000-001 AMM 23-51-13-400-001 AMM 23-51-34-000-001 AMM 23-51-34-400-001 ASM 23-51/06	Operational Test of the SELCAL System Removal of the SELCAL Code Panel (3RN) Installation of the SELCAL Code Panel (3RN) Removal of the Audio Management Unit (AMU) (1RN) Installation of the Audio Management Unit (AMU) (1RN)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the SELCAL system (Ref. AMM TASK 23-51-00-710-002).

NOTE: Do this test for each HF (if installed) and VHF system.

- 4. Fault Isolation
 - A. If the ground station cannot make a SELCAL call during the operational test of each HF (if installed) and VHF system:
 - Make sure that the code of the SELCAL CODE PNL (3RN) is the same as the code transmitted to the ground station.
 - (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).
 - (a) If the fault continues:
 - Replace the SELCAL CODE PNL (3RN) (Ref. AMM TASK 23-51-13-000-001) and (Ref. AMM TASK 23-51-13-400-001).

EFF: ALL

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- 1 If the fault continues:
 - Do a check and repair the wiring between the SELCAL CODE PNL (3RN) and the AMU (1RN) (Ref. ASM 23-51/06).
- B. Do the test given in para. 3.

EFF: ALL SROS 23-51-00

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TASK 23-51-00-810-829

Loss of the Reception at the Captain Station

- 1. Possible Causes
 - AMU (1RN)
 - RCPT-BOOMSET, CAPT (17RN1)
 - JACK-HEADSET, CAPT (18RN1)
 - wiring
 - JACK-HEADSET, CAPT (18RN1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
IPC 235108 AMM 23-51-00-710-001 AMM 23-51-34-000-001 AMM 23-51-34-400-001 ASM 23-51/02	Operational Test of the Audio Management Removal of the Audio Management Unit (AMU) (1RN) Installation of the Audio Management Unit (AMU) (1RN)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the audio management system (Ref. AMM TASK 23-51-00-710-001).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. If the reception at the Captain station is incorrect:
 - (1) In the boomset:
 - Check the reception in the headset of the same station:
 - (a) If the reception in the headset is incorrect:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Do a check and repair the wiring from the AMU (1RN) pins AA/9G, 9H to the first terminal block (Ref. ASM 23-51/02).

EFF: ALL **SROS**

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- (b) If the reception in the headset is correct:
 - Connect a new boomset to the RCPT-BOOMSET, CAPT (17RN1) on the panel 61VU.
 - 1 If the fault continues:
 - Replace the RCPT-BOOMSET, CAPT (17RN1) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Do a check and repair the wiring from the RCPT-BOOMSET, CAPT (17RN1) pins 1 and 2 to the first terminal block (Ref. ASM 23-51/02).
- (2) In the headset:
 - Check the reception in the boomset of the same station:
 - (a) If the reception in the boomset is incorrect:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Do a check and repair the wiring from the AMU (1RN) pins AA/9G, 9H to the first terminal block (Ref. ASM 23-51/02).
 - (b) If the reception in the boomset is correct:
 - Connect a new headset to the JACK-HEADSET, CAPT (18RN1) on the panel 61VU.
 - 1 If the fault continues:
 - Replace the JACK-HEADSET, CAPT (18RN1) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Do a check and repair the wiring the JACK-HEADSET, CAPT (18RN1) pins 1 and 2 to the first terminal block (Ref. ASM 23-51/02).

**ON A/C 503-549, 551-599, 701-749,

- A. If the reception at the Captain station is incorrect:
 - (1) In the boomset:
 - Do a check of the reception in the headset of the same station.
 - (a) If the reception in the headset is incorrect:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Do a check and repair the wiring from AMU (1RN) pins AA/4E, 4D to the JACK-HEADSET, CAPT (18RN1) pins 1 and 2 (Ref. ASM 23-51/02).

EFF: ALL

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- (b) If the reception in the headset is correct:
 - Connect a new boomset to the RCPT-BOOMSET, CAPT (17RN1) on the panel 61VU.
 - 1 If the fault continues:
 - Replace the RCPT-BOOMSET, CAPT (17RN1) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Do a check and repair the wiring from the RCPT-BOOMSET, CAPT (17RN1) pins 1 and 2 to the JACK-HEADSET, CAPT (18RN1) pins 1 and 2 (Ref. ASM 23-51/02).
- (2) In the headset:
 - Do a check of the reception in the boomset of the same station.
 - (a) If the reception in the boomset is incorrect:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Do a check and repair the wiring from the AMU (1RN) pins AA/4E, 4D to the JACK-HEADSET, CAPT (18RN1) pins 1 and 2 (Ref. ASM 23-51/02).
 - (b) If the reception in the boomset is correct:
 - Connect a new headset to the First Officer headset jack (18RN2) on the panel 61VU.
 - 1 If the fault continues:
 - Replace the JACK-HEADSET, CAPT (18RN1) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Do a check and repair the wiring from the JACK-HEADSET, CAPT (18RN1) pins 1 and 2 to the RCPT-BOOMSET, CAPT (17RN1) pins 1 and 2 (Ref. ASM 23-51/02).

**ON A/C ALL

B. Do the test given in para. 3.

EFF: ALL

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TASK 23-51-00-810-830

Loss of the Reception at the First Officer Station

- 1. Possible Causes
 - AMU (1RN)
 - RCPT-BOOMSET, F/O (17RN2)
 - JACK-HEADSET, F/O (18RN2)
 - wiring
 - RCPT-BOOMSET, F/O (17RN2)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
IPC 235108 AMM 23-51-00-710-001 AMM 23-51-34-000-001 AMM 23-51-34-400-001 ASM 23-51/03	Operational Test of the Audio Management Removal of the Audio Management Unit (AMU) (1RN) Installation of the Audio Management Unit (AMU) (1RN)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the audio management system (Ref. AMM TASK 23-51-00-710-001).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. If the reception at the First Officer station is incorrect:
 - (1) In the boomset:
 - Do a check of the reception in the headset of the same station.
 - (a) If the reception in the headset is incorrect:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Do a check and repair the wiring from the AMU (1RN) pins AA/12G, 12H to the first terminal block (Ref. ASM 23-51/03).

EFF: ALL **SROS**

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- (b) If the reception in the headset is correct:
 - Connect a new boomset to the RCPT-BOOMSET, F/O (17RN2) on the panel 60VU.
 - 1 If the fault continues:
 - Replace the RCPT-BOOMSET, F/O (17RN2) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Do a check and repair the wiring from the RCPT-BOOMSET, F/O (17RN2) pins 1 and 2 to the first terminal block (Ref. ASM 23-51/03).
- (2) In the headset:
 - Do a check of the reception in the boomset of the same station.
 - (a) If the reception in the boomset is incorrect:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Do a check and repair the wiring from AMU (1RN) pins AA/12G, 12H to the first terminal block (Ref. ASM 23-51/03).
 - (b) If the reception in the boomset is correct:
 - Connect a new headset to the JACK-HEADSET, F/O (18RN2) on the panel 60VU.
 - 1 If the fault continues:
 - Replace the JACK-HEADSET, F/O (18RN2) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Do a check and repair the wiring from the JACK-HEADSET, F/O (18RN2) pins 1 and 2 to the first terminal block (Ref. ASM 23-51/03).

**ON A/C 503-549, 551-599, 701-749,

- A. If the reception at the First Officer station is incorrect:
 - (1) In the boomset:
 - Do a check of the reception in the headset of the same station.
 - (a) If the reception in the headset is incorrect:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Do a check and repair the wiring from AMU (1RN) pins AA/1G,
 1H to the JACK-HEADSET, F/O (18RN2) pins 1 and 2 (Ref. ASM 23-51/03).

EFF: ALL

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- (b) If the reception in the headset is correct:
 - Connect a new boomset to the RCPT-BOOMSET, F/O (17RN2) on the panel 60VU.
 - 1 If the fault continues:
 - Replace the RCPT-BOOMSET, F/O (17RN2) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Do a check and repair the wiring from the RCPT-BOOMSET, F/O (17RN2) pins 1 and 2 to the JACK-HEADSET, F/O (18RN2) pins 1 and 2 (Ref. ASM 23-51/03).
- (2) In the headset:
 - Do a check of the reception in the boomset of the same station.
 - (a) If the reception in the boomset is incorrect:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Do a check and repair the wiring from the AMU (1RN) pins AA/1G, 1H to the JACK-HEADSET, F/O (18RN2) pins 1 and 2 (Ref. ASM 23-51/03).
 - (b) If the reception in the boomset is correct:
 - Connect a new headset to the JACK-HEADSET, F/O (18RN2) on the panel 60VU.
 - 1 If the fault continues:
 - Replace the JACK-HEADSET, F/O (18RN2) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Do a check and repair the wiring from the JACK-HEADSET, F/O (18RN2) pins 1 and 2 to the RCPT-BOOMSET, F/O (17RN2) pins 1 and 2 (Ref. ASM 23-51/03).

**ON A/C ALL

B. Do the test given in para. 3.

23-51-00

EFF:

ALL

TROUBLE SHOOTING MANUAL

TASK 23-51-00-810-831

Loss of the Reception at the Third Occupant Station

- 1. Possible Causes
 - AMU (1RN)
 - RCPT-BOOMSET, 3RD OCCPNT (17RN3)
 - JACK-HEADSET, 3RD OCCPNT (18RN3)
 - wiring
- Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	235108 23-51-00-710-001 23-51-34-000-001 23-51-34-400-001 23-51/04	Operational Test of the Audio Management Removal of the Audio Management Unit (AMU) (1RN) Installation of the Audio Management Unit (AMU) (1RN)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the audio management system (Ref. AMM TASK 23-51-00-710-001).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. If the reception at the Third Occupant station is incorrect:
 - (1) In the boomset:
 - Check the reception in the headset of the same station.
 - (a) If the reception in the headset is incorrect:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Do a check and repair the wiring from the AMU (1RN) pins AA/15G, 15H to the first terminal block (Ref. ASM 23-51/04).

R EFF: ALL
SROS

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- (b) If the reception in the headset is correct:
 - Connect a new boomset to the RCPT-BOOMSET, 3RD OCCPNT (17RN3) on the panel 62VU.
 - 1 If the fault continues:
 - Replace the RCPT-BOOMSET, 3RD OCCPNT (17RN3) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Do a check and repair the wiring from the RCPT-BOOMSET, 3RD OCCPNT (17RN3) pins 1 and 2 to the first terminal block (Ref. ASM 23-51/04).
- (2) In the headset:
 - Check the reception in the boomset of the same station.
 - (a) If the reception in the boomset is incorrect:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Do a check and repair the wiring from AMU (1RN) pins AA/15G, 15H to the first terminal block (Ref. ASM 23-51/04).
 - (b) If the reception in the boomset is correct:
 - Connect a new headset to the JACK-HEADSET, 3RD OCCPNT (18RN3) on the panel 62VU.
 - 1 If the fault continues:
 - Replace the JACK-HEADSET, 3RD OCCPNT (18RN3) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Do a check and repair the wiring from the JACK-HEADSET, 3RD OCCPNT (18RN3) pins 1 and 2 to the first terminal block (Ref. ASM 23-51/04).

**ON A/C 503-549, 551-599, 701-749,

- A. If the reception at the Third Occupant station is incorrect:
 - (1) In the boomset:
 - Check the reception in the headset of the same station.
 - (a) If the reception in the headset is incorrect:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).

EFF: ALL

23-51-00

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- 1 If the fault continues:
 - Do a check and repair the wiring from the AMU (1RN) pins AA/6E, 6D to the JACK-HEADSET, 3RD OCCPNT (18RN3) pins 1, 2 (Ref. ASM 23-51/04).
- (b) If the reception in the headset is correct:
 - Connect a new boomset to the RCPT-BOOMSET, 3RD OCCPNT (17RN3) on the panel 62VU.
 - 1 If the fault continues:
 - Replace the RCPT-BOOMSET, 3RD OCCPNT (17RN3) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Do a check and repair the wiring from the RCPT-BOOMSET, 3RD OCCPNT (17RN3) pins 1 and 2 to the JACK-HEADSET, 3RD OCCPNT (18RN3) pins 1 and 2 (Ref. ASM 23-51/04).
- (2) In the headset:
 - Check the reception in the boomset of the same station.
 - (a) If the reception in the boomset is incorrect:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Do a check and repair the wiring from the AMU (1RN) pins AA/6E, 6D to the JACK-HEADSET, 3RD OCCPNT (18RN3) pins 1 and 2 (Ref. ASM 23-51/04).
 - (b) If the reception in the boomset is correct:
 - Connect a new headset to the JACK-HEADSET, 3RD OCCPNT (18RN3) on the panel 62VU.
 - 1 If the fault continues:
 - Replace the JACK-HEADSET, 3RD OCCPNT (18RN3) (Ref. IPC 235108).

**ON A/C ALL

B. Do the test given in para. 3.

EFF: ALL

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**ON A/C 251-251,

TASK 23-51-00-810-832

Loss of the Reception at the Avionics Compartment Station

- 1. Possible Causes
 - AMU (1RN)
 - RCPT-BOOMSET, AVNCS COMPT (17RN4)
 - JACK-HEADSET, AVNCS COMPT (18RN4)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE

DESIGNATION

235108 IPC

AMM 23-51-00-710-001

AMM 23-51-34-000-001

AMM 23-51-34-400-001

ASM 23-51/05

Operational Test of the Audio Management

Removal of the Audio Management Unit (AMU) (1RN)

Installation of the Audio Management Unit (AMU) (1RN)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the audio management system (Ref. AMM TASK 23-51-00-710-001).
- 4. Fault Isolation
 - A. If the reception at the avionics compartment station is incorrect:
 - (1) In the boomset:
 - Check the reception in the headset of the same station.
 - (a) If the reception in the headset is incorrect:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - If the fault continues:
 - Do a check and repair the wiring from the AMU (1RN) pins AB/3G, 3H to the first terminal block (Ref. ASM 23-51/05).

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23-51-00 251-251,

SROS

EFF:

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- (b) If the reception in the headset is correct:
 - Connect a new boomset to the RCPT-BOOMSET, AVNCS COMPT (17RN4) on the panel 63VU.
 - 1 If the fault continues:
 - Replace the RCPT-BOOMSET, AVNCS COMPT (17RN4) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Do a check and repair the wiring from the RCPT-BOOMSET,
 AVNCS COMPT (17RN4) pins 1 and 2 to the first terminal block (Ref. ASM 23-51/05).
- (2) In the headset:
 - Check the reception in the boomset of the same station.
 - (a) If the reception in the boomset is incorrect:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Do a check and repair the wiring from the AMU (1RN) pins AB/3G, 3H to the first terminal block (Ref. ASM 23-51/05).
 - (b) If the reception in the boomset is correct:
 - Connect a new headset to the JACK-HEADSET, AVNCS COMPT (18RN4) on the panel 63VU.
 - 1 If the fault continues:
 - Replace the JACK-HEADSET, AVNCS COMPT (18RN4) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Do a check and repair the wiring from the JACK-HEADSET,
 AVNCS COMPT (18RN4) pins 1 and 2 to the first terminal block (Ref. ASM 23-51/05).
- B. Do the test given in para. 3.

23-51-00

EFF:

251-251,

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 23-51-00-810-834

Loss of the Reception at the Supplementary Headset

- 1. Possible Causes
 - JACK-HEADSET, SUPPLEMENTARY (18RN5)
 - AMU (1RN)
 - wiring

REFERENCE

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

		• •
IPC 235108 AMM 23-51-00-71 AMM 23-51-34-00 AMM 23-51-34-40 ASM 23-51/04	00-001 Removal of	l Test of the Audio Management the Audio Management Unit (AMU) (1RN) on of the Audio Management Unit (AMU) (1RN)

DESIGNATION

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the audio management system (Ref. AMM TASK 23-51-00-710-001).
- 4. Fault Isolation
 - A. If the reception of the supplementary headset is incorrect:
 - Connect a new headset to the JACK-HEADSET, SUPPLEMENTARY (18RN5) on the panel 15VU.
 - (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).
 - (a) If the fault continues:

continues:

- Replace the JACK-HEADSET, SUPPLEMENTARY (18RN5) (Ref. IPC 235108).

EFF: ALL

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- 1 If the fault continues:
 - Do a check and repair the wiring from the JACK-HEADSET, SUPPLEMENTARY (18RN5) pins 1 and 2 to the AMU (1RN) pins AA/14H, 14G (Ref. ASM 23-51/04).
- B. Do the test given in para. 3.

EFF: ALL SROS 23-51-00

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TASK 23-51-00-810-835

Loss of the Transmission from the Captain Boomset

- 1. Possible Causes
 - RCPT-BOOMSET, CAPT (17RN1)
 - AMU (1RN)
 - SW-RAD PTT, CAPT (11RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
IPC	235108	
AMM	23-51-00-710-001	Operational Test of the Audio Management
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	27-92-41-000-001	Removal of the Side Stick Assembly 19VU (18VU)
AMM	27-92-41-400-001	Installation of the Side Stick Assembly 19VU (18VU)
ASM	23-51/02	

- 3. Fault Confirmation
 - A. Test

SROS

- (1) Do the operational test of the audio management system (Ref. AMM TASK 23-51-00-710-001).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. After you speak in the Captain boomset microphone:
 - If the reception is incorrect at each loud speaker and boomset of each crew station:
 - . Connect a new boomset to the RCPT-BOOMSET, CAPT (17RN1) on the panel 61VU.

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- (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).
 - (a) If the fault continues:
 - Replace the RCPT-BOOMSET, CAPT (17RN1) (Ref. IPC 235108).
 - 1 If the fault continues:
 - Do a check and repair the wiring from the RCPT-BOOMSET, CAPT (17RN1) pins 3 and 4 to the AMU (1RN) pins AA/9D, 9E (Ref. ASM 23-51/02).
 - 2 If the fault continues:
 - Replace, on the Captain sidestick the SW-RAD PTT, CAPT (11RN), (Ref. AMM TASK 27-92-41-000-001) (Ref. AMM TASK 27-92-41-400-001)

**ON A/C 503-549, 551-599, 701-749,

- A. After you speak in the Captain boomset microphone:
 - (1) If the reception is incorrect at each loud speaker and boomset of each crew station:
 - Connect a new boomset to the RCPT-BOOMSET, CAPT (17RN1) on the panel 61VU.
 - (a) 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).
 - (b) If the fault continues:
 - Replace the RCPT-BOOMSET, CAPT (17RN1) (Ref. IPC 235108).
 - (c) If the fault continues:
 - Do a check and repair the wiring from the RCPT-BOOMSET, CAPT (17RN1) pins 3 and 4 to the AMU (1RN) pins AA/13C, 13B (Ref. ASM 23-51/02).

**ON A/C ALL

B. Do the test given in para. 3.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 23-51-00-810-836

Loss of the Transmission from the F/O Boomset

- 1. Possible Causes
 - RCPT-BOOMSET, F/O (17RN2)
 - AMU (1RN)
 - SW-RAD PTT, F/O (12RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
IPC	235108	
AMM	23-51-00-710-001	Operational Test of the Audio Management
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	27-92-41-000-001	Removal of the Side Stick Assembly 19VU (18VU)
AMM	27-92-41-400-001	Installation of the Side Stick Assembly 19VU (18VU)
ASM	23-51/03	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the audio management system (Ref. AMM TASK 23-51-00-710-001).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. After you speak in the First Officer boomset microphone:
 - If the reception is incorrect at each loud speaker and boomset of each crew station:
 - . Connect a new boomset to the RCPT-BOOMSET, F/O (17RN2) on the panel 60VU.

EFF : ALL 23-51-00

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- (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).
 - (a) If the fault continues:
 - Replace the RCPT-BOOMSET, F/O (17RN2) (Ref. IPC 235108).
 - 1 If the fault continues:
 - Do a check and repair the wiring from the RCPT-B00MSET, F/O (17RN2) pins 3 and 4 to the AMU (1RN) pins A/12D, 12E (Ref. ASM 23-51/03).
 - 2 If the fault continues:
 - Replace on the First Officer Sidestick the SW-RAD PTT, F/O (12RN), (Ref. AMM TASK 27-92-41-000-001) (Ref. AMM TASK 27-92-41-400-001).

**ON A/C 503-549, 551-599, 701-749,

- A. After you speak in the First Officer boomset microphone:
 - (1) If the reception is incorrect at each loud speaker and boomset of each crew station:
 - Connect a new boomset to the RCPT-BOOMSET, F/O (17RN2) on the panel 60VU.
 - (a) 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).
 - (b) If the fault continues:
 - Replace the RCPT-BOOMSET, F/O (17RN2) (Ref. IPC 235108).
 - (c) If the fault continues:
 - Do a check and repair if necessary the wiring from the RCPT-B00MSET, F/O (17RN2) pins 3 and 4 to the AMU (1RN) pins AB/5F, 6G (Ref. ASM 23-51/03).

**ON A/C ALL

B. Do the test given in para. 3.

23-51-00

EFF:

ALL

TROUBLE SHOOTING MANUAL

TASK 23-51-00-810-837

Loss of the Transmission from the Third Occupant Boomset

- 1. Possible Causes
 - RCPT-BOOMSET, 3RD OCCPNT (17RN3)
 - AMU (1RN)
 - JACK-HEADSET, 3RD OCCPNT (18RN3)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM AMM	235108 23-51-00-710-001 23-51-34-000-001 23-51-34-400-001 23-51/04	Operational Test of the Audio Management Removal of the Audio Management Unit (AMU) (1RN) Installation of the Audio Management Unit (AMU) (1RN)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the audio management system (Ref. AMM TASK 23-51-00-710-001).
- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - A. If the reception is incorrect after you speak in the Third Occupant boomset microphone:
 - (1) At each loud speaker and boomset of each crew station:
 - Connect a new boomset to the RCPT-BOOMSET, 3RD OCCPNT (17RN3) on the panel 62VU.
 - (a) 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).
 - 1 If the fault continues:
 - Replace the RCPT-BOOMSET, 3RD OCCPNT (17RN3) (Ref. IPC 235108).

EFF: ALL
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- a If the fault continues:
 - Do a check and repair the wiring from the RCPT-BOOMSET,
 3RD OCCPNT (17RN3) pins 3, 4 to the AMU (1RN) pins
 AA/15D, 15E (Ref. ASM 23-51/04).
- (2) At the Third Occupant headset only:
 - Replace the RCPT-BOOMSET, 3RD OCCPNT (17RN3) (Ref. IPC 235108).
 - (a) If the fault continues:
 - Do a check and repair the wiring from the JACK-HEADSET, 3RD OCCPNT (18RN3) pins 1, 2 to RCPT-BOOMSET, 3RD OCCPNT (17RN3) pins 2, 1 (Ref. ASM 23-51/04).

**ON A/C 503-549, 551-599, 701-749,

- A. If the reception is incorrect after you speak in the Third Occupant boomset microphone:
 - (1) At each loud speaker and boomset of each crew station:
 - Connect a new boomset to the RCPT-BOOMSET, 3RD OCCPNT (17RN3) on the panel 62VU.
 - (a) 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).
 - 1 If the fault continues:
 - Replace the RCPT-BOOMSET, 3RD OCCPNT (17RN3) (Ref. IPC 235108).
 - a If the fault continues:
 - Do a check and repair the wiring from the RCPT-BOOMSET,
 3RD OCCPNT (17RN3) pins 3 and 4 to the AMU (1RN) pins
 AB/4C, 4B (Ref. ASM 23-51/04).
 - (2) At the Third Occupant headset only:
 - Replace the RCPT-BOOMSET, 3RD OCCPNT (17RN3) (Ref. IPC 235108).
 - (a) If the fault continues:
 - Do a check and repair the wiring from the JACK-HEADSET, 3RD OCCPNT (18RN3) pins 1 and 2 to the RCPT-BOOMSET, 3RD OCCPNT (17RN3) pins 2 and 1 (Ref. ASM 23-51/04).

**ON A/C ALL

B. Do the test given in para. 3.

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**ON A/C 251-251,

TASK 23-51-00-810-838

Loss of the Transmission from the Avionics Compartment Boomset

- 1. Possible Causes
 - RCPT-BOOMSET, AVNCS COMPT (17RN4)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
IPC	235108	
AMM	23-51-00-710-001	Operational Test of the Audio Management
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)
ASM	23-51/05	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the audio management system (Ref. AMM TASK 23-51-00-710-001).
- 4. Fault Isolation
 - A. After you speak in the boomset microphone of the avionics compartment:
 - If the reception is incorrect at each loud speaker and boomset of each crew station:
 - Connect a new boomset to the RCPT-BOOMSET, AVNCS COMPT (17RN4) on the panel 63VU.
 - (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).
 - (a) If the fault continues:
 - Replace the RCPT-BOOMSET, AVNCS COMPT (17RN4) (Ref. IPC 235108).

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EFF: 251-251,

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- 1 If the fault continues:
 - Do a check and repair the wiring from the RCPT-BOOMSET, AVNCS COMPT (17RN4) pins 3 and 4 to the AMU (1RN) pins AB/3E, 3D (Ref. ASM 23-51/05).
- B. Do the test given in para. 3.

EFF : 251-251, SROS 23-51-00

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**ON A/C ALL

TASK 23-51-00-810-840

Failure of the Loud Speaker Card 1 Circuit

- 1. <u>Possible Causes</u>
 - CAPT/LOUD/SPKR (5WW)
 - LOUD SPEAKER-CAPT (7WW)
 - AMU (1RN)
 - POT-LOUD SPEAKER, CAPT (15RN1)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
IPC	235108	
AMM	23-51-00-710-001	Operational Test of the Audio Management
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	31-53-21-000-001	Removal of the Loudspeakers (7WW,8WW)
AMM	31-53-21-400-001	Installation of the Loudspeakers (7WW,8WW)
ASM	23-51/02	
ASM	31-51/01	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the audio management system (Ref. AMM TASK 23-51-00-710-001).
- 4. Fault Isolation
 - A. Table of the circuit breakers used in this procedure:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	CAPT/LOUD/SPKR	5WW	F 10

EFF: ALL

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- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - B. If the loud speaker at the Captain station does not operate:
 Do a check of the circuit breaker CAPT/LOUD/SPKR (5WW) status.
 - (1) If the circuit breaker is closed:
 - Do a check for 28VDC at pin A/A of the LOUD SPEAKER-CAPT (7WW) (Ref. ASM 31-51/01).
 - (a) If there is 28VDC:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Replace the POT-LOUD SPEAKER, CAPT (15RN1) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Replace the LOUD SPEAKER-CAPT (7WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - 3 If the fault continues:
 - Do a check of the wiring from the AMU (1RN) pins AA/8J, 8H to the LOUD SPEAKER-CAPT (7WW) pins A/C, G (Ref. ASM 23-51/02).
 - a If there is no continuity:
 - Repair the above wiring.
 - b If there is continuity:
 - Do a check of the wiring from:
 - The AMU (1RN) pin AA/8G to the POT-LOUD SPEAKER, CAPT (15RN1) pin A/3
 - The LOUD SPEAKER-CAPT (7WW) pin A/F to the POT-LOUD SPEAKER, CAPT (15RN1) pin A/1
 - Repair the above faulty wiring.
 - (b) If there is no 28VDC:
 - Do a check for a ground signal at pin A/B of the LOUD SPEAKER-CAPT (7WW) (Ref. ASM 31-51/01).
 - 1 If there is no ground signal:
 - Repair the wiring from the LOUD SPEAKER-CAPT (7WW) pin A/B to the ground terminal (Ref. ASM 31-51/01).
 - 2 If there is a ground signal:
 - Do a check of the wiring from the LOUD SPEAKER-CAPT (7WW) pin A/A to the circuit breaker CAPT/LOUD/SPKR (5WW) (Ref. ASM 31-51/01).

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D

201-225, 227-227, 229-299, 426-499,

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EFF:

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- <u>a</u> If there is no continuity:Repair the above wiring.
- <u>b</u> If there is continuity:
 Replace the circuit breaker CAPT/LOUD/SPKR (5WW).
- (2) If the circuit breaker is open:
 Close it.
 - (a) If it opens again:
 - 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 for a short to ground at the wiring from the LOUD SPEAKER-CAPT (7WW) to the circuit breaker CAPT/LOUD/SPKR (5WW) (Ref. ASM 31-51/01).
 - <u>a</u> If there is a short to ground:Repair the above wiring.
 - <u>b</u> If there is no short to ground:- Replace the circuit breaker CAPT/LOUD/SPKR (5WW).
 - (b) If the circuit breaker stays closed and the fault continues:
 Replace the LOUD SPEAKER-CAPT (7WW) (Ref. AMM TASK 31-53-21-000-001)

**ON A/C 503-549, 551-599, 701-749,

- B. If the loud speaker at the Captain station does not operate:Do a check of the circuit breaker CAPT/LOUD/SPKR (5WW) status.
 - (1) If the circuit breaker is closed:
 - Do a check for 28VDC at pin A/A of the LOUD SPEAKER-CAPT (7WW) (Ref. ASM 31-51/01).
 - (a) If there is 28VDC:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Replace the POT-LOUD SPEAKER, CAPT (15RN1) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Replace the LOUD SPEAKER-CAPT (7WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).

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EFF: ALL

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- If the fault continues:
 - Do a check of the wiring from the AMU (1RN) pins AA/4F, 3D to the LOUD SPEAKER-CAPT (7WW) pins A/C, G (Ref. ASM 23-51/02).
 - a If there is no continuity:
 - Repair the above wiring.
 - b If there is continuity:
 - Do a check of the wiring from:
 - . The AMU (1RN) pin AA/3E to the POT-LOUD SPEAKER, CAPT (15RN1) pin A/3.
 - . The LOUD SPEAKER-CAPT (7WW) pin A/F to the POT-LOUD SPEAKER, CAPT (15RN1) pin A/1.
 - Repair the above faulty wiring.
- (b) If there is no 28VDC:
 - Do a check for a ground signal at pin A/B of the LOUD SPEAKER-CAPT (7WW) (Ref. ASM 31-51/01).
 - If there is no ground signal:
 - Repair the wiring from the LOUD SPEAKER-CAPT (7WW) pin A/B to the ground terminal (Ref. ASM 31-51/01).
 - If there is a ground signal:
 - Do a check of the wiring from the LOUD SPEAKER-CAPT (7WW) pin A/A to the circuit breaker CAPT/LOUD/SPKR (5WW) (Ref. ASM 31-51/01).
 - a If there is no continuity:
 - Repair the above wiring.
 - b If there is continuity:
 - Replace the CAPT/LOUD/SPKR (5WW).
- (2) If the circuit breaker is open:
 - Close it.
 - (a) If it opens again:
 - 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:
 - Do a check for a short to ground at the wiring between the LOUD SPEAKER-CAPT (7WW) and the circuit breaker CAPT/LOUD/SPKR (5WW) (Ref. ASM 31-51/01).
 - a If there is a short to ground:
 - Repair the above wiring.
 - b If there is no short to ground:
 - Replace the circuit breaker CAPT/LOUD/SPKR (5WW).

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(b) If the circuit breaker stays closed and the fault continues:
 Replace the LOUD SPEAKER-CAPT (7WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).

**ON A/C ALL

C. Do the test given in para. 3.

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SROS

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TASK 23-51-00-810-841

Failure of the Loud Speaker Card 2 Circuit

- 1. Possible Causes
 - EIS/F/O/LOUD/SPKR (4WW)
 - LOUD SPEAKER-F/O (8WW)
 - AMU (1RN)
 - POT-LOUD SPEAKER, F/O (15RN2)
 - POT-LOUD SPEAKER, F/O (15RN2)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
IPC AMM AMM AMM AMM ASM	235108 23-51-00-710-001 23-51-34-000-001 23-51-34-400-001 31-53-21-000-001 31-53-21-400-001 23-51/02	Operational Test of the Audio Management Removal of the Audio Management Unit (AMU) (1RN) Installation of the Audio Management Unit (AMU) (1RN) Removal of the Loudspeakers (7WW,8WW) Installation of the Loudspeakers (7WW,8WW)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the audio management system (Ref. AMM TASK 23-51-00-710-001).
- 4. Fault Isolation
 - A. Table of the circuit breakers used in this procedure:

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	CAPT/LOUD/SPKR	5WW	F 10
12 1VU	EIS/F/O/LOUD/SPKR	4WW	P08

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- R **ON A/C 201-225, 227-227, 229-299, 426-499,
 - B. If the loud speaker at the First Officer station does not operate:
 Do a check of the circuit breaker EIS/F/O/LOUD/SPKR (4WW) status.
 - (1) If the circuit breaker is closed:
 - Do a check for 28VDC at pin A/A of the LOUD SPEAKER-F/O (8WW) (Ref. ASM 31-51/01).
 - (a) If there is 28VDC:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Replace the POT-LOUD SPEAKER, F/O (15RN2) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Replace the LOUD SPEAKER-F/O (8WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - 3 If the fault continues:
 - Do a check of the wiring from the AMU (1RN) pins AA/11J, 11H to the LOUD SPEAKER-F/O (8WW) pins A/C, G (Ref. ASM 23-51/02).
 - a If there is no continuity:
 - Repair the above wiring.
 - b If there is continuity:
 - Do a check of the wiring from:
 - The AMU (1RN) pin AA/11G to the POT-LOUD SPEAKER, F/O (15RN2) pin A/3
 - The LOUD SPEAKER-F/O (8WW) pin A/F to the POT-LOUD SPEAKER, F/O (15RN2) pin A/1
 - Repair the above faulty wiring.
 - (b) If there is no 28VDC:
 - Do a check for a ground signal at pin A/B of the LOUD SPEAKER-F/O (8WW) (Ref. ASM 31-51/O1).
 - 1 If there is no ground signal:
 - Repair the wiring from the LOUD SPEAKER-F/O (8WW) pin A/B to the ground terminal (Ref. ASM 31-51/O1).
 - 2 If there is a ground signal:
 - Do a check of the wiring from the LOUD SPEAKER-F/O (8WW) pin A/A to the circuit breaker EIS/F/O/LOUD/SPKR (4WW) (Ref. ASM 31-51/01).
 - \underline{a} If there is no continuity:
 - Repair the above wiring.

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- <u>b</u> If there is continuity:
 - Replace the circuit breaker EIS/F/O/LOUD/SPKR (4WW).
- (2) If the circuit breaker is open:
 - Close it.
 - (a) If it opens 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).
 - 1 If the fault continues:
 - Do a check for a short to ground at the wiring from the LOUD SPEAKER-F/O (8WW) to the circuit breaker EIS/F/O/LOUD/SPKR (4WW) (Ref. ASM 31-51/01).
 - a If there is a short to ground:
 - Repair the above wiring.
 - b If there is no short to ground:
 - Replace the circuit breaker EIS/F/O/LOUD/SPKR (4WW).
 - (b) If the circuit breaker stays closed and the fault continues:
 - Replace the LOUD SPEAKER-F/O (8WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).

**ON A/C 503-549, 551-599, 701-749,

- B. If the loud speaker at the First Officer station does not operate:
 Do a check of the circuit breaker EIS/F/O/LOUD/SPKR (4WW) status.
 - (1) If the circuit breaker is closed:
 - Do a check for 28VDC at pin A/A of the LOUD SPEAKER-F/O (8WW) (Ref. ASM 31-51/01).
 - (a) If there is 28VDC:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - 1 If the fault continues:
 - Replace the POT-LOUD SPEAKER, F/O (15RN2) (Ref. IPC 235108).
 - 2 If the fault continues:
 - Replace the LOUD SPEAKER-F/O (8WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).
 - 3 If the fault continues:
 - Do a check the wiring from the AMU (1RN) pins AA/4G and AB/3G to the LOUD SPEAKER-F/O (8WW) pins A/C, G (Ref. ASM 23-51/02).

EFF: ALL

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- <u>a</u> If there is no continuity:
 - Repair the above wiring.
- b If there is continuity:
 - Do a check of the wiring from:
 - The AMU (1RN) pin AB/3H to POT-LOUD SPEAKER, F/O (15RN2) pin A/3.
 - The LOUD SPEAKER-F/O (8WW) pin A/F to POT-LOUD SPEAKER, F/O (15RN2) pin A/1
 - Repair the above faulty wiring.
- (b) If there is no 28VDC:
 - Do a check for a ground signal at pin A/B of the LOUD SPEAKER-F/O (8WW) (Ref. ASM 31-51/O1).
 - 1 If there is no ground signal:
 - Repair the wiring from the LOUD SPEAKER-F/O (8WW) pin A/B to the ground terminal (Ref. ASM 31-51/O1).
 - 2 If there is a ground signal:
 - Do a check of the wiring from the LOUD SPEAKER-F/O (8WW) pin A/A to the circuit breaker EIS/F/O/LOUD/SPKR (4WW) (Ref. ASM 31-51/01).
 - a If there is no continuity:
 - Repair the above wiring.
 - b If there is continuity:
 - Replace the circuit breaker EIS/F/O/LOUD/SPKR (4WW).
- (2) If the circuit breaker is open:
 - Close it.
 - (a) If it opens 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).
 - 1 If the fault continues:
 - Do a check for a short to ground at the wiring from the LOUD SPEAKER-F/O (8WW) to the circuit breaker EIS/F/O/LOUD/SPKR (4WW) (Ref. ASM 31-51/01).
 - a If there is a short to ground:
 - Repair the above wiring.
 - b If there is no short to ground:
 - Replace the circuit breaker EIS/F/O/LOUD/SPKR (4WW).
 - (b) If the circuit breaker stays closed and the fault continues:
 - Replace the LOUD SPEAKER-F/O (8WW) (Ref. AMM TASK 31-53-21-000-001) and (Ref. AMM TASK 31-53-21-400-001).

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**ON A/C ALL

C. Do the test given in para. 3.

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TASK 23-51-00-810-842

Loss of the 3rd OCCPNT ACP Emergency Function for the CAPT ACP

- 1. Possible Causes
 - AMU (1RN)
 - SEL SW-AUDIO SWITCHING (16RN)
- R RELAY-SUPLY TRANSFER (69RN)
- COM NAV/ACP/THIRD/OCCPNT (6RN)
 - wiring
 - 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE	DESIGNATION	
R	ESPM 204650		
	IPC 235108		
	AMM 23-51-00-710-003	Operational Test of the CAPT and F/O ACPs Switching to the 3rd OCCUPANT ACP	
	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)	
	ASM 23-51/04		

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the Captain ACP switching to the 3rd OCCPNT ACP (Ref. AMM TASK 23-51-00-710-003).

NOTE: Do this test for the Captain station only.

- 4. Fault Isolation
- R **ON A/C 201-225, 227-227, 229-299, 426-499, 701-702,
 - A. If the Captain ACP switching to the Third Occupant ACP is inoperative:
 Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (1) If the fault continues:
 - Replace the SEL SW-AUDIO SWITCHING (16RN) (Ref. IPC 235108).
 - (a) If the fault continues:
 - Do a check for a ground signal at pin 13 of the SEL SW-AUDIO SWITCHING (16RN) (Ref. ASM 23-51/04).

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- 1 If there is no ground signal:
 - Repair the wiring between the SEL SW-AUDIO SWITCHING (16RN) and the ground terminal (Ref. ASM 23-51/04).
- 2 If there is a ground signal:
 - Do a check and repair the wiring from the SEL SW-AUDIO SWITCHING (16RN) pin 14 to the AMU (1RN) pin AA/14K (Ref. ASM 23-51/04).

**ON A/C 503-549, 551-599, 701-749,

- A. If the Captain ACP switching to the Third Occupant ACP is inoperative:
 Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (1) If the fault continues:
 - Replace the SEL SW-AUDIO SWITCHING (16RN) (Ref. IPC 235108).
 - (2) If the fault continues:
 - Do a check for a ground signal at pin 13 of the SEL SW-AUDIO SWITCHING (16RN) (Ref. ASM 23-51/04).
 - (a) If there is no ground signal:
 - Repair the wiring between the SEL SW-AUDIO SWITCHING (16RN) and the ground terminal (Ref. ASM 23-51/04).
 - (b) If there is a ground signal:
 - Do a check and repair the wiring from the SEL SW-AUDIO SWITCHING (16RN) pin 14 to the AMU (1RN) pin AA/2D (Ref. ASM 23-51/04).
- R **ON A/C 451-475,
- R Post SB 23-1333 For A/C 451-475,
- R A. If the Captain ACP switching to the Third Occupant ACP is inoperative:
 R Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
- R (1) If the fault continues:
 - Replace the SEL SW-AUDIO SWITCHING (16RN) (Ref. IPC 235108).
- R (2) If the fault continues:
- R Replace the RELAY-SUPLY TRANSFER (69RN) (Ref. ESPM 204650)

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R R R	(3)	<pre>If the fault continues: - Do a check for a ground signal at pin 13 of the SEL SW-AUDIO SWITCHING (16RN) (Ref. ASM 23-51/04).</pre>
R R R		(a) If there is no ground signal:Repair the wiring from the SEL SW-AUDIO SWITCHING (16RN) pin 13 to the ground terminal (Ref. ASM 23-51/04).
R R R R		 (b) If there is a ground signal: Do a check and repair the wiring from the SEL SW-AUDIO SWITCHING (16RN) pin 14 to the AMU (1RN) pin AA/14K (Ref. ASM 23-51/04).
R R R	(4)	<pre>If the fault continues: - Do a check for a ground signal at pin 9 of the SEL SW-AUDIO SWITCHING (16RN) (Ref. ASM 23-51/04).</pre>
R R R		(a) If there is no ground signal:Repair the wiring from the SEL SW-AUDIO SWITCHING (16RN) pin 9 to the ground terminal.
R R R R		 (b) If there is a ground signal: Do a check and repair the wiring from the SEL SW-AUDIO SWITCHING (16RN) pin 10 to the RELAY-SUPLY TRANSFER (69RN) pin A/X2.
R R R R R	(5)	<pre>If the fault continues: - Do a check and repair the wiring from: . The RELAY-SUPLY TRANSFER (69RN) pin A/B1 to the circuit breaker COM NAV/ACP/THIRD/OCCPNT (6RN) The RELAY-SUPLY TRANSFER (69RN) pin A/X1 to the circuit breaker COM NAV/ACP/THIRD/OCCPNT (6RN).</pre>

**ON A/C ALL

B. Do the test given in para. 3.

EFF: ALL
SROS

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TASK 23-51-00-810-843

Loss of the 3rd OCCPNT ACP Emergency Function for the F/O ACP

- 1. Possible Causes
 - AMU (1RN)
 - SEL SW-AUDIO SWITCHING (16RN)
- R RELAY-SUPLY TRANSFER (68RN)
- R COM NAV/ACP/THIRD/OCCPNT (6RN)
 - wiring
 - 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION		
R	ESPM	204650			
	IPC	235108			
	AMM	23-51-00-710-003	Operational Test of the CAPT and F/O ACPs Switching		
			to the 3 rd OCCUPANT ACP		
	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)		
	ASM	23-51/04			

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the First Officer ACP switching to the Third Occupant ACP (Ref. AMM TASK 23-51-00-710-003).

NOTE: Do this test for the First Officer station only.

4. Fault Isolation

SROS

- R **ON A/C 201-225, 227-227, 229-299, 426-499, 701-702,
 - A. If the First Officer ACP switching to the Third Occupant ACP is inoperative:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).

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- (1) If the fault continues:
 - Replace the SEL SW-AUDIO SWITCHING (16RN) (Ref. IPC 235108).
 - (a) If the fault continues:
 - Do a check for a ground signal at pin 13 of the SEL SW-AUDIO SWITCHING (16RN) (Ref. ASM 23-51/04).
 - 1 If there is no ground signal:
 - Repair the wiring between the SEL SW-AUDIO SWITCHING (16RN) and the ground terminal (Ref. ASM 23-51/04).
 - 2 If there is a ground signal:
 - Do a check and repair the wiring from the SEL SW-AUDIO SWITCHING (16RN) pin 16 to the AMU (1RN) pin AA/15K (Ref. ASM 23-51/04).

**ON A/C 503-549, 551-599, 701-749,

- A. If the First Officer ACP switching to the Third Occupant ACP is inoperative:
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (1) If the fault continues:
 - Replace the SEL SW-AUDIO SWITCHING (16RN) (Ref. IPC 235108).
 - (2) If the fault continues:
 - Do a check for a ground signal at pin 13 of the SEL SW-AUDIO SWITCHING (16RN) (Ref. ASM 23-51/04).
 - (a) If there is no ground signal:
 - Repair the wiring between the SEL SW-AUDIO SWITCHING (16RN) and the ground terminal (Ref. ASM 23-51/04).
 - (b) If there is a ground signal:
 - Do a check and repair the wiring between the SEL SW-AUDIO SWITCHING (16RN) pin 16 and the AMU (1RN) pin AA/5C (Ref. ASM 23-51/04).

R **ON A/C 451-475,

R Post SB 23-1333 For A/C 451-475,

- A. If the First Officer ACP switching to the Third Occupant ACP is R inoperative: R
- Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM R TASK 23-51-34-400-001). R
- (1) If the fault continues: R
- Replace the SEL SW-AUDIO SWITCHING (16RN) (Ref. IPC 235108). R

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EFF: ALL **SROS**

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(2) If the fault continues: R R - Replace the RELAY-SUPLY TRANSFER (68RN) (Ref. ESPM 204650). R (3) If the fault continues: - Do a check for a ground signal at pin 13 of the SEL SW-AUDIO R SWITCHING (16RN) (Ref. ASM 23-51/04). R R (a) If there is no ground signal: - Repair the wiring between the SEL SW-AUDIO SWITCHING (16RN) pin R R 13 and the ground terminal (Ref. ASM 23-51/04). R (b) If there is a ground signal: R - Do a check and repair the wiring between the SEL SW-AUDIO SWITCHING (16RN) pin 16 and the AMU (1RN) pin AA/15K (Ref. ASM R 23-51/04). R R (4) If the fault continues: - Do a check for a ground signal at pin 9 of the SEL SW-AUDIO R SWITCHING (16RN) (Ref. ASM 23-51/04). R (a) If there is no ground signal: R R - Repair the wiring between the SEL SW-AUDIO SWITCHING (16RN) pin 9 and the ground terminal (Ref. ASM 23-51/04). R R (b) If there is a ground signal: - Do a check and repair the wiring between the SEL SW-AUDIO R R SWITCHING (16RN) pin 12 and the RELAY-SUPLY TRANSFER (68RN) pin A/X2 (Ref. ASM 23-51/04). R (5) If the fault continues: R R - Do a check and repair the wiring from: R . The RELAY-SUPLY TRANSFER (68RN) pin A/B1 to the C/B COM R NAV/ACP/THIRD/OCCPNT (6RN) . The RELAY-SUPLY TRANSFER (68RN) pin A/X1 to the C/B COM R R NAV/ACP/THIRD/OCCPNT (6RN)

**ON A/C ALL

B. Do the test given in para. 3.

EFF: ALL **SROS**

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TASK 23-51-00-810-844

Loss of the AUDIO 3XFRD Indication after the AUDIO SWITCHING Selector Switch is set to CAPT/3

- 1. Possible Causes
 - SEL SW-AUDIO SWITCHING (16RN)
 - wiring
- Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

IPC 235108

AMM 23-51-00-710-003 Operational Test of the CAPT and F/O ACPs Switching

to the 3rd OCCUPANT ACP ASM 23-51/04

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the Captain ACP switching to the Third Occupant ACP (Ref. AMM TASK 23-51-00-710-003).

NOTE: Do this test for the Captain station only.

- 4. Fault Isolation
 - A. If the AUDIO 3XFRD indication does not come into view on the upper display unit of the ECAM system:
 - Replace the SEL SW-AUDIO SWITCHING (16RN) (Ref. IPC 235108).
 - (1) If the fault continues:
 - Do a check for a ground signal at pin 1 of the SEL SW-AUDIO SWITCHING (16RN) (Ref. ASM 23-51/04).
 - (a) If there is no ground signal:
 - Repair the wiring between the SEL SW-AUDIO SWITCHING (16RN) and the ground terminal (Ref. ASM 23-51/04).
 - (b) If there is a ground signal:
 - Do a check and repair the wiring from the SEL SW-AUDIO SWITCHING (16RN) pin 2 to the first terminal block (Ref. ASM 23-51/04).
 - B. Do the test given in para. 3.

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TASK 23-51-00-810-845

Loss of the AUDIO 3XFRD Indication after the AUDIO SWITCHING Selector Switch is set to F/0/3

- 1. Possible Causes
 - SEL SW-AUDIO SWITCHING (16RN)
 - wiring
- Job Set-up Information
 - A. Referenced Information

REFERENCE DESIGNATION

IPC 235108

AMM 23-51-00-710-003 Operational Test of the CAPT and F/O ACPs Switching

to the 3rd OCCUPANT ACP ASM 23-51/04

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the First Officer ACP switching to the Third Occupant ACP (Ref. AMM TASK 23-51-00-710-003).

NOTE: Do this test for the First Officer station only.

- 4. Fault Isolation
 - A. If the AUDIO 3XFRD indication does not come into view on the upper display unit of the ECAM system:
 - Replace the SEL SW-AUDIO SWITCHING (16RN) (Ref. IPC 235108).
 - (1) If the fault continues:
 - Do a check for a ground signal at pin 1 of the AUDIO SWITCHING selector switch (16RN) (Ref. ASM 23-51/04).
 - (a) If there is no ground signal:
 - Repair the wiring between the SEL SW-AUDIO SWITCHING (16RN) and the ground terminal (Ref. ASM 23-51/04).
 - (b) If there is a ground signal:
 - Do a check and repair the wiring from the SEL SW-AUDIO SWITCHING (16RN) pin 4 to first terminal block (Ref. ASM 23-51/04).
 - B. Do the test given in para. 3.

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TROUBLE SHOOTING MANUAL

TASK 23-51-00-810-846

Loss of the BUS 4 Data from the CFDIU to the AMU

- 1. Possible Causes
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-51-00-740-002 AMM 23-51-34-000-001 AMM 23-51-34-400-001 ASM 31-32/05	BITE Test of the Audio System Removal of the Audio Management Unit (AMU) (1RN) Installation of the Audio Management Unit (AMU) (1RN)

3. Fault Confirmation

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

PANEL	DESIGNATION	IDENT.	LOCATION
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

**ON A/C ALL

B. Test

Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002).

EFF: ALL 23-51-00

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4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-299, 426-499,

- A. If the test gives the maintenance message CFDIU(1TW)/AMU(1RN):
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (1) If the fault continues:
 - Do a check and repair the wiring of the BUS 4 OUTPUT signal from the AMU (1RN) pins AB/15A, 15B to the first terminal block (Ref. ASM 31-32/05).

**ON A/C 503-549, 551-599, 701-749,

- A. If the test gives the maintenance message CFDIU(1TW)/AMU(1RN):
 - Replace the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001) and (Ref. AMM TASK 23-51-34-400-001).
 - (1) If the fault continues:
 - Do a check and repair the wiring of the BUS 4 OUTPUT signal from the AMU (1RN) pins AB/15H, 14H, 13H, 12H to the first terminal block (Ref. ASM 31-32/05).

**ON A/C ALL

B. Do the test given in para. 3.

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EFF:

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TASK 23-51-00-810-848

Loss of the Transmission from the Captain Oxygen Mask Microphone

- 1. Possible Causes
 - STOWAGE BOX-OXY MASK, CAPT (10RN1)
 - AMU (1RN)
 - wiring
- Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM AMM	23-51-00-710-001 23-51-34-000-001	Operational Test of the Audio Management
AMM	23-51-34-400-001	Removal of the Audio Management Unit (AMU) (1RN) Installation of the Audio Management Unit (AMU) (1RN)
AMM	35-12-41-000-001	Removal of the Oxygen-Mask Stowage-Box
AMM	35-12-41-400-001 23-51/02	Installation of the Oxygen-Mask Stowage-Box

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the audio management system (Ref. AMM TASK 23-51-00-710-001).
- 4. Fault Isolation
 - A. After you speak in the microphone of the Captain Oxygen Mask:
 - (1) If the reception is incorrect at each loud speaker and Oxygen Mask Mike of each crew station:
 - Replace the STOWAGE BOX-OXY MASK, CAPT (10RN1) (Ref. AMM TASK 35-12-41-000-001) and (Ref. AMM TASK 35-12-41-400-001).
 - (a) 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)
 - 1 If the fault continues:
 - Do a check and repair the wiring from the STOWAGE BOX-OXY MASK, CAPT (10RN1) to the AMU (1RN) (Ref. ASM 23-51/02)
 - B. Do the test given in para. 3.

EFF: ALL **SROS**

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TASK 23-51-00-810-849

Loss of the Transmission from the First Officer Oxygen Mask Microphone

- 1. Possible Causes
 - STOWAGE BOX-OXY MASK, F/O (10RN2)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-51-00-710-001	Operational Test of the Audio Management
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	35-12-41-000-001	Removal of the Oxygen-Mask Stowage-Box
AMM	35-12-41-400-001	Installation of the Oxygen-Mask Stowage-Box
ASM	23-51/03	· -

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the audio management system (Ref. AMM TASK 23-51-00-710-001).
- 4. Fault Isolation
 - A. After you speak in the microphone of the First Officer Oxygen Mask:
 - (1) If the reception is incorrect at each loud speaker and Oxygen Mask Mike of each crew station:
 - Replace the STOWAGE BOX-OXY MASK, F/O (10RN2) (Ref. AMM TASK 35-12-41-000-001) and (Ref. AMM TASK 35-12-41-400-001).
 - (a) 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)
 - 1 If the fault continues:
 - Do a check and repair the wiring from the STOWAGE BOX-OXY MASK, F/O (10RN2) to the AMU (1RN) (Ref. ASM 23-51/03).

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B. Do the test given in para. 3.

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TASK 23-51-00-810-850

LGCIU1/AMU Interface Fault

- 1. Possible Causes
 - LGCIU-1 (5GA1)
 - AMU (1RN)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-51-00-740-002	BITE Test of the Audio System
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	32-31-71-000-001	Removal of the LGCIU (5GA1, 5GA2)
AMM	32-31-71-400-001	Installation of the LGCIU (5GA1, 5GA2)
AMM	32-69-00-740-001	BITE Check Landing Gear Control Interface Unit
		(LGCIU) using MCDU to Ensure that Continuous BITE is Operative
AMM ASM	32-69-00-860-001 23-51/06	Simulation of Flight, with the Aircraft on the Ground

3. Fault Confirmation

- A. Test
 - (1) Do the BITE test of the LGCIU1 (Ref. AMM TASK 32-69-00-740-001).
 - (2) Make sure that all the faults are repaired, do the trouble shooting procedure related to the maintenance message.
 - (3) Do the BITE test of the Audio System (Ref. AMM TASK 23-51-00-740-002) with an aircraft-in-flight configuration simulated in the LGCIU1 (Ref. AMM TASK 32-69-00-860-001).

EFF: ALL 23-51-00

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4. Fault Isolation

R **ON A/C 201-225, 227-227, 229-299, 426-499,

- A. If the test gives the maintenance message LGCIU1 (5GA1)/AMU (1RN):
 - Replace the LGCIU-1 (5GA1) (Ref. AMM TASK 32-31-71-000-001) and (Ref. AMM TASK 32-31-71-400-001).
 - (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).
 - (2) If the fault continues:
 - Remove the LGCIU-1 (5GA1) (Ref. AMM TASK 32-31-71-000-001)
 - Remove the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001)
 - Do a check and repair the wiring of the AIR/GROUND DISCRETE signal from the LGCIU-1 (5GA1) pin AB/12J to the AMU (1RN) pin AB/9C (Ref. ASM 23-51/06)
 - Install the AMU (1RN) (Ref. AMM TASK 23-51-34-400-001)
 - Install the LGCIU-1 (5GA1) (Ref. AMM TASK 32-31-71-400-001).

**ON A/C 503-549, 551-599, 701-749,

- A. If the test gives the maintenance message LGCIU1 (5GA1)/AMU (1RN):
 - Replace the LGCIU-1 (5GA1) (Ref. AMM TASK 32-31-71-000-001) and (Ref. AMM TASK 32-31-71-400-001).
 - (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).
 - (2) If the fault continues:
 - Remove the LGCIU-1 (5GA1) (Ref. AMM TASK 32-31-71-000-001)
 - Remove the AMU (1RN) (Ref. AMM TASK 23-51-34-000-001)
 - Do a check and repair the wiring of the AIR/GROUND DISCRETE signal from the LGCIU-1 (5GA1) pin AB/12J to the AMU (1RN) pin AB/3K (Ref. ASM 23-51/06)
 - Install the AMU (1RN) (Ref. AMM TASK 23-51-34-400-001)
 - Install the LGCIU-1 (5GA1) (Ref. AMM TASK 32-31-71-400-001).

**ON A/C ALL

B. Do the test given in para. 3.

EFF: ALL

23-51-00

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STATIC DISCHARGER - FAULT ISOLATION PROCEDURES

TASK 23-61-00-810-801

Radio Communications Become Noisy When Flying Through Cloud, Rain or Dust

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

REFE	RENCE	DESIGNATION
AMM AMM	20-28-00-720-004 20-28-00-720-010	Test of the Bonding with a GUERPILLON milliohmmeter Check of the Electrical Bonding of External Composite Panels with a CORAS Resistivity-Continuity Test Set
AMM	20-28-00-720-011	Measurement of the Surface Electrical Resistance of External Composite Panels with a CORAS
AMM	20-28-00-912-005	Resistivity-Continuity Test Set Electrical Bonding of Antennas With Conductive Bolts.
AMM		- Check Resistance of Tip to Retainer - Check Bonding of Retainer to Structure
AMM NTM SIL		Detailed Inspection of the Radome

- 3. Fault Confirmation
 - A. Test
 - (1) Not applicable.
 - NOTE: In flight, air friction causes static electricity to occur on the surface of the aircraft. Static is discharged through static dischargers installed at the trailing edges and tips of the wings and the tail of the aircraft. Static is increased when the aircraft goes through cloud, rain or dust and, if not correctly discharged, it can cause radio noise. An increase in static can occur after an aircraft has been repainted, or had a skin repair (Ref. SIL 23-027).

There are two typical types of radio noise caused by static electricity:

- a continuous low frequency noise, which can be caused by static at the radome, antennas or composite panels
- an irregular click or crackle noise, which can be caused by static at the static dischargers or metal panels.

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4. Fault Isolation

A. Procedure

- (1) Do a check of the aircraft technical log for repair work which can be related to this fault.
- (2) Do the steps that follow in an order applicable to the type of radio noise and any related repair work.
- (3) Do a visual check of the applicable radio antenna and make sure that:
 - it is correctly bonded to the aircraft structure (Ref. AMM TASK 20-28-00-912-005)
 - the external paint is in good condition.
- (4) Do a check of the static dischargers (Ref. AMM TASK 23-61-00-200-001) and make sure that:
 - they are not defective or missing
 - they are correctly bonded to their retainers
 - their retainers are correctly bonded to the aircraft structure.
- (5) Do a check of the radome (Ref. AMM TASK 53-15-11-200-001) and make sure that:
 - there are no missing or defective metallic strips
 - the correct type of paint was used to paint the radome.
- (6) Do a check of repaired panels and make sure that:
 - the surface conductivity of composite panels is correct (Ref. AMM TASK 20-28-00-720-010) and (Ref. AMM TASK 20-28-00-720-011)
 - metal panels are correctly bonded to the aircraft structure (Ref. AMM TASK 20-28-00-720-004)
 - bonding leads are not missing or defective
 - all panels are painted with the correct low-ohmic paint.
- (7) Do a check of the thickness of new paint (Ref. NTM 51-10-00).
 - <u>NOTE</u>: If the paint is too thick, compared to the standard specified, electrostatic charges are isolated from the aircraft metal structure and may not discharge satisfactorily.
- (8) Make an entry in the aircraft technical log of the work done.
- (9) Make an entry in the aircraft flight log to do a check (after the next flight in cloud, rain or dust) that the radio noise caused by static has decreased to a satisfactory level.

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- R TASK 23-61-00-810-802
- R High Bonding Resistance between the Static-Discharger Retainer and the Main
- R Structure
- R 1. Possible Causes
- R resistance measurement is not done correctly
- R bonding of the applicable surface is high
- R static-discharger retainer
- R 2. Job Set-up Information
- R A. Referenced Information

R		
D	DEFEDENCE	DESTGNATION

REFERENCE DESIGNATION

R	AMM	20-28-00-869-002	Table of the Maximum Permitted Resistance Values
R	AMM	23-61-00-200-001	- Check Resistance of Tip to Retainer - Check Bonding
R			of Retainer to Structure
R	AMM	23-61-42-000-001	Removal of the Static Discharger Retainer
R	AMM	23-61-42-400-001	Installation of the Static Discharger Retainer

- R 3. Fault Confirmation
- R A. Test
- R (1) Do a bonding check of the retainer to the structure, (Ref. AMM TASK 23-61-00-200-001).
- R (a) If the resistance is **OK**, no maintenance action is required.
- R (b) If the resistance is not OK, do Para. 4.A.(1).
- R NOTE: If the resistance measurement is not done correctly, high resistance can be shown.
- R 4. Fault Isolation
- R A. Procedure
- R (1) Do a bonding resistance check from the static-discharger retainer to the aircraft structure (use a local metallic point), (Ref. AMM TASK 20-28-00-869-002).
- R NOTE: A local metallic point on the aircraft can be used as an alternative to the ground point on the MLG. The maximum resistance value is the same for the two locations.

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R R R	(a) If the resistance is correct, do a check of the bonding resistance between the aircraft main structure and the applicable surface, (Ref. AMM TASK 20-28-00-869-002).
R R R	NOTE: The applicable surface is the component that the static-discharger retainer is attached to. If the bonding of the applicable surface is high, the resistance between the static discharger and the aircraft will be high.
R	1 Repair all damage found.
R	$\underline{2}$ Do the test in Para. 3.A.
R R R	(b) If the resistance is not OK, replace the static-discharger retainer, (Ref. AMM TASK 23-61-42-000-001) and (Ref. AMM TASK 23-61-42-400-001).

EFF: ALL 23-61-00

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TROUBLE SHOOTING MANUAL

COCKPIT VOICE RECORDER - FAULT ISOLATION PROCEDURES

TASK 23-71-00-810-801

Loss of the Audio Feedback in the Loud Speakers

- 1. Possible Causes
 - RELAY-RCDR/CVR TEST (20RK)
 - RELAY-PARKING BRK CTLD (14RK)
 - P/B SW-RCDR/CVR TEST (5RK)
 - wiring
- CVR (1RK)
 - 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	
R	AMM	23-71-35-000-001	Removal of the Cockpit Voice Recorder (CVR) 1RK	
R	AMM	23-71-35-400-001	Installation of the Cockpit Voice Recorder (CVR) 1RK	
	ASM	23-71/01		
	ASM	23-71/02		

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the CVR and the CVR channel recording (Ref. AMM TASK 23-71-00-710-001).
- 4. Fault Isolation
 - A. If during the operational test you do not hear the audio feedback in the loud speakers:
 - do a check for continuity at the RELAY-RCDR/CVR TEST (20RK) (between pin A and pin 2, pins B and 4, pins C and 6) with the RCDR/CVR TEST pushbutton switch (5RK) pushed (Ref. ASM 23-71/02)
 - do a check for continuity at the RELAY-PARKING BRK CTLD (14RK) (between pins A and 2, pins B and 4) with the RCDR/CVR TEST pushbutton switch (5RK) pushed (Ref. ASM 23-71/02)
 - (1) If there is no continuity on a relay:

- replace the defective relay.

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- (2) If there is no continuity on all the relays:
 - do a check for continuity at the P/B SW-RCDR/CVR TEST (5RK) (between pins 1 and 2) with the RCDR/CVR TEST pushbutton switch (5RK) pushed (Ref. ASM 23-71/01).
 - (a) If there is no continuity:
 - replace the RCDR/CVR TEST pushbutton switch (5RK).
 - (b) If there is continuity:
 - do a check and repair the wiring of the RCDR/CVR TEST pushbutton switch (5RK) and of relay (20RK) pins X and Z (Ref. ASM 23-71/01).
- (3) If there is continuity on all the relays:
 - do a check and repair the wiring on the relays (20RK) and (14RK) (Ref. ASM 23-71/02).
- (4) If the fault continues:
 - replace the CVR (1RK) (Ref. AMM TASK 23-71-35-000-001) and (Ref. AMM TASK 23-71-35-400-001).
- B. Do the test given in Para. 3.

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R

R

TROUBLE SHOOTING MANUAL

TASK 23-71-00-810-802

Failure of the Audio Feedback on the CVR Headset Jack

- 1. Possible Causes
 - JACK-CVR/HEAD SET (22RK)
 - wiring from the jack (22RK) to the first terminal block
- 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

ASM 23-71/01

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the CVR and the CVR channel recording (Ref. AMM TASK 23-71-00-710-001).
- 4. Fault Isolation
 - A. If during the operational test the CVR headset jack is inoperative: replace the JACK-CVR/HEAD SET (22RK) on the panel 50vu.
 - (1) If the fault continues:
 - do a check and repair the wiring from the jack (22RK) to the first terminal block (Ref. ASM 23-71/01).
 - B. Do the test given in Para. 3.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 23-71-00-810-803

Recording on One or All Channels Inoperative (Operative on the CVR MIC Channel Only)

- 1. Possible Causes
 - CVR (1RK)
 - AMU (1RN)
 - wiring from the CVR (1RK) 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 23-71-00-710-001	Removal of the Audio Management Unit (AMU) (1RN) Installation of the Audio Management Unit (AMU) (1RN) Operational Test of the CVR and the CVR Channel Recording
AMM AMM ASM	23-71-35-000-001 23-71-35-400-001 23-71/02	Removal of the Cockpit Voice Recorder (CVR) 1RK Installation of the Cockpit Voice Recorder (CVR) 1RK

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the CVR and the CVR channel recording (Ref. AMM TASK 23-71-00-710-001).
- 4. Fault Isolation
 - A. If during the operational test the recording is inoperative:
 - replace the CVR (1RK) (Ref. AMM TASK 23-71-35-000-001) and (Ref. AMM TASK 23-71-35-400-001).
 - (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).
 - (2) If the fault continues:
 - do a check and repair the wiring from the CVR (1RK) to the AMU (1RN) (Ref. ASM 23-71/02).
 - B. Do the test given in Para. 3.

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TASK 23-71-00-810-804

Cockpit Voice Recording Inoperative

- 1. Possible Causes
 - CVR (1RK)
 - AMPLIFIER-CVR MIC (18RK)
 - MIC-CVR (16RK)
 - wiring
- 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	
R	AMM	23-71-13-000-001	Removal of the CVR Microphone (16RK)	
R	AMM	23-71-13-400-001	Installation of the CVR Microphone (16RK)	
R	AMM	23-71-14-000-001	Removal of the CVR Microphone Amplifier (18RK)	
R	AMM	23-71-14-400-001	Installation of the CVR Microphone Amplifier (18RK)	
	AMM	23-71-35-000-001	Removal of the Cockpit Voice Recorder (CVR) 1RK	
	AMM	23-71-35-400-001	Installation of the Cockpit Voice Recorder (CVR) 1RK	
	ASM	23-71/02		

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the CVR and the CVR channel recording (Ref. AMM TASK 23-71-00-710-001).
- 4. Fault Isolation
 - A. If during the operational test the CVR microphone is inoperative:
 - replace the CVR (1RK) (Ref. AMM TASK 23-71-35-000-001) and (Ref. AMM TASK 23-71-35-400-001).
 - (1) If the fault continues:
 - replace the AMPLIFIER-CVR MIC (18RK) (Ref. AMM TASK 23-71-14-000-001) and (Ref. AMM TASK 23-71-14-400-001).
 - (2) If the fault continues:
 - replace the MIC-CVR (16RK) (Ref. AMM TASK 23-71-13-000-001) and (Ref. AMM TASK 23-71-13-400-001).

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- (3) If the fault continues:
 - do a check and repair the wiring of the amplifier (18RK) and of the microphone (16RK) (Ref. ASM 23-71/02).
- B. Do the test given in Para. 3.

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TASK 23-71-00-810-805

Recording on All the Channels Inoperative

- 1. Possible Causes
 - CVR (1RK)
 - wiring
 - C/B-COM/CVR/SPLY (2RK)
 - C/B-COM/CVR/CTL (4RK)
- 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 23-71-35-000-001	Removal of the Cockpit Voice Recorder (CVR) 1RK
AMM 23-71-35-400-001 ASM 23-71/01	Installation of the Cockpit Voice Recorder (CVR) 1RK

- 3. Fault Confirmation
 - A. Test
 - (1) Do the operational test of the CVR and the CVR channel recording (Ref. AMM TASK 23-71-00-710-001).
- 4. Fault Isolation
- R A. Table of the circuit breakers used in this procedure:

R				
R	PANEL	DESIGNATION	IDENT.	LOCATION
R				
R	49VU	COM/CVR/SPLY	2RK	E14

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- R B. If during the operational test the recording is inoperative:
 - push the MON. IND. FOR GND/CTL pushbutton switch (11TU) on the panel 21VU.
 - (1) If it comes on and the fault continues:
 - replace CVR (1RK) (Ref. AMM TASK 23-71-35-000-001) and (Ref. AMM TASK 23-71-35-400-001).
 - (a) If the fault continues:
 - do a check of the circuit breaker (2RK) status.
 - 1 If the circuit breaker is closed:
 - do a check for a ground signal at pin 3 of the CVR (1RK) (Ref. ASM 23-71/01).
 - a If there is no ground signal:
 - repair the wiring from CVR (1RK) pin A/3 to the first terminal block (Ref. ASM 23-71/01).
 - b If there is a ground signal:
 - do a check of the wiring from the C/B (2RK) to the first terminal block and of the relay (8RK) (Ref. ASM 23-71/01).
 - . If there is no continuity:
 - * repair the above wiring.
 - . If there is continuity:
 - * replace the C/B-COM/CVR/SPLY (2RK).
 - 2 If the circuit breaker is open:
 - close it.
 - a If it opens again:
 - replace the C/B-COM/CVR/SPLY (2RK).
 - b If it opens again:
 - do a check for a short to ground and repair the wiring of the system (Ref. ASM 23-71/01).
 - (2) If it does not come on:
 - do a check of the circuit breaker (4RK) status.
 - (a) If the circuit breaker is closed:
 - do a check of the wiring located downstream of the circuit breaker (4RK) (Ref. ASM 23-71/01).
 - $\underline{1}$ If there is no continuity:
 - repair the above wiring.
 - 2 If there is continuity:
 - replace the C/B-COM/CVR/CTL (4RK).

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(b) If the circuit breaker is open:
 - close it.

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- 1 If it opens again:
 replace the C/B-COM/CVR/CTL (4RK).
- If it opens again:

 do a check for a short to ground and repair the wiring located downstream of the circuit breaker (4RK) (Ref. ASM
- R C. Do te test given in Para. 3.

EFF: ALL
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ANTI HIJACK CAMERA MONITORING - FAULT ISOLATION PROCEDURES

TASK 23-72-00-810-801

Camera 1 Failure

- 1. Possible Causes
 - CAMERA-COCKPIT DOOR (12RA)
 - MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-72-00-740-001	BITE Test of the Anti-Hijack Camera-Monitoring-System
AMM	23-72-22-000-001	Removal of the Cockpit-Door Surveillance-System Monitor (10RA)
AMM	23-72-22-400-001	<pre>Installation of the Cockpit-Door Surveillance-System Monitor (10RA)</pre>
AMM	23-72-51-000-001	Removal of the Anti-Hijack-System Cameras
AMM	23-72-51-400-001	Installation of the Anti-Hijack-System Cameras
ASM	23-72/01	

3. Fault Confirmation

- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279,
- R 281-281, 283-299, 426-499, 701-749,

Post SB 23-1208 For A/C 201-201,203-204,206-225,234-244,276-278,283-299, 426-450,476-499,701-749,

R Post SB 23-1277 For A/C 227-227,229-231,233-233,279-279,281-281,

A. Test

(1) Do the BITE test of the Cockpit Door Surveillance System (CDSS) (Ref. AMM TASK 23-72-00-740-001).

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- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, R 281-281, 283-299, 426-499, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279,
- R 281-281, 283-299, 426-499, 701-749,
 - Post SB 23-1208 For A/C 201-201,203-204,206-225,234-244,276-278,283-299, 426-450,476-499,701-749,
- R Post SB 23-1277 For A/C 227-227,229-231,233-233,279-279,281-281,
 - A. If the message "Camera 1 No Power/IR Fail" shows on the LCD monitor, camera 1 images do not show (cameras 2 and 3 images show), and the green LED flashes:
 - replace the CAMERA-COCKPIT DOOR (12RA), (Ref. AMM TASK 23-72-51-000-001) and (Ref. AMM TASK 23-72-51-400-001).
 - (1) If the fault continues:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and the CAMERA-COCKPIT DOOR (12RA), (Ref. ASM 23-72/01).
 - B. If the message "Camera 1 No Video Power & Camera 1 No Power/IR Fail" shows on the LCD monitor, camera 1 images do not show (cameras 2 and 3 images show), and the green LED flashes:
 - replace the CAMERA-COCKPIT DOOR (12RA), (Ref. AMM TASK 23-72-51-000-001) and (Ref. AMM TASK 23-72-51-400-001).
 - (1) If the fault continues:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and the CAMERA-COCKPIT DOOR (12RA), (Ref. ASM 23-72/01).
 - C. If the message "Camera 1 No Video Power & Camera 1 No Power/IR Fail" shows on the LCD monitor, camera 1 images do not show (cameras 2 and 3 images show), and the green LED flashes:
 - replace the CAMERA-COCKPIT DOOR (12RA), (Ref. AMM TASK 23-72-51-000-001) and (Ref. AMM TASK 23-72-51-400-001).
 - (1) If the fault continues:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).

EFF: 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, 281-281, 283-299, 426-499, 701-749, SROS

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- (2) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and the CAMERA-COCKPIT DOOR (12RA), (Ref. ASM 23-72/01).
- D. Do the test given in Para. 3.

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R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, R 281-281, 283-299, 426-499, 701-749,

TASK 23-72-00-810-802

Camera 1 Failure

- 1. Possible Causes
 - CAMERA-COCKPIT DOOR (12RA)
 - MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-72-00-710-001	Operational Test of the Anti-Hijack Camera-Monitoring-System
AMM	23-72-22-000-001	Removal of the Cockpit-Door Surveillance-System Monitor (10RA)
AMM	23-72-22-400-001	Installation of the Cockpit-Door Surveillance-System Monitor (10RA)
AMM	23-72-51-000-001	Removal of the Anti-Hijack-System Cameras
AMM	23-72-51-400-001	Installation of the Anti-Hijack-System Cameras
ASM	23-72/01	

3. Fault Confirmation

- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279,
- R 281-281, 283-299, 426-499, 701-749,

Post SB 23-1208 For A/C 201-201,203-204,206-225,234-244,276-278,283-299, 426-450,476-499,701-749,

R Post SB 23-1277 For A/C 227-227,229-231,233-233,279-279,281-281,

A. Test

(1) Do the operational test of the Cockpit Door Surveillance System (CDSS) (Ref. AMM TASK 23-72-00-710-001).

- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, R 281-281, 283-299, 426-499, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279,
- R 281-281, 283-299, 426-499, 701-749,
 - Post SB 23-1208 For A/C 201-201,203-204,206-225,234-244,276-278,283-299, 426-450,476-499,701-749,
- R Post SB 23-1277 For A/C 227-227,229-231,233-233,279-279,281-281,
 - A. If the images from cameras 2 and 3 are good and the images from camera 1 are bad, and the green LED is on:
 - replace the CAMERA-COCKPIT DOOR (12RA), (Ref. AMM TASK 23-72-51-000-001) and (Ref. AMM TASK 23-72-51-400-001).
 - (1) If the fault continues:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and the CAMERA-COCKPIT DOOR (12RA), (Ref. ASM 23-72/01).
 - B. Do the test given in Para. 3.

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R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, R 281-281, 283-299, 426-499, 701-749,

TASK 23-72-00-810-803

Camera 2 Failure

- 1. Possible Causes
 - CAMERA-DR 1, RH (14RA)
 - MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
A M M	27 72 00 7/0 004	DITE Took of the Acti Military Common Maritarian Contant
AMM	23-72-00-740-001	BITE Test of the Anti-Hijack Camera-Monitoring-System
AMM	23-72-22-000-001	Removal of the Cockpit-Door Surveillance-System Monitor (10RA)
AMM	23-72-22-400-001	<pre>Installation of the Cockpit-Door Surveillance-System Monitor (10RA)</pre>
AMM	23-72-51-000-001	Removal of the Anti-Hijack-System Cameras
AMM	23-72-51-400-001	Installation of the Anti-Hijack-System Cameras
ASM	23-72/01	

3. Fault Confirmation

- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279,
- R 281-281, 283-299, 426-499, 701-749,

Post SB 23-1208 For A/C 201-201,203-204,206-225,234-244,276-278,283-299, 426-450,476-499,701-749,

R Post SB 23-1277 For A/C 227-227,229-231,233-233,279-279,281-281,

A. Test

(1) Do the BITE test of the Cockpit Door Surveillance System (CDSS) (Ref. AMM TASK 23-72-00-740-001).

EFF: 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, 281-281, 283-299, 426-499, 701-749, SROS

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- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, R 281-281, 283-299, 426-499, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279,
- R 281-281, 283-299, 426-499, 701-749,
 - Post SB 23-1208 For A/C 201-201,203-204,206-225,234-244,276-278,283-299, 426-450,476-499,701-749,
- R Post SB 23-1277 For A/C 227-227,229-231,233-233,279-279,281-281,
 - A. If the message "Camera 2 No Video/IR Fail" shows on the LCD monitor, camera 2 images do not show (cameras 1 and 3 images show), and the green LED flashes:
 - replace the CAMERA-DR 1, RH (14RA), (Ref. AMM TASK 23-72-51-000-001) and (Ref. AMM TASK 23-72-51-400-001).
 - (1) If the fault continues:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and the CAMERA-DR 1, RH (14RA), (Ref. ASM 23-72/01).
 - B. If the message "Camera 2 No Video Signal" shows on the LCD monitor, camera 2 images do not show (cameras 1 and 3 images show), and the green LED flashes:
 - replace the CAMERA-DR 1, RH (14RA), (Ref. AMM TASK 23-72-51-000-001) and (Ref. AMM TASK 23-72-51-400-001).
 - (1) If the fault continues:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and the CAMERA-DR 1, RH (14RA), (Ref. ASM 23-72/01).
 - C. If the message "Camera 2 No Video Power & Camera 2 No Power/IR Fail" shows on the LCD monitor, camera 2 images do not show (cameras 1 and 3 images show), and the green LED flashes:
 - replace the CAMERA-DR 1, RH (14RA), (Ref. AMM TASK 23-72-51-000-001) and (Ref. AMM TASK 23-72-51-400-001).
 - (1) If the fault continues:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).

EFF: 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, 281-281, 283-299, 426-499, 701-749, SROS

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- (2) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and the CAMERA-DR 1, RH (14RA), (Ref. ASM 23-72/01).
- D. Do the test given in Para. 3.

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R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, R 281-281, 283-299, 426-499, 701-749,

TASK 23-72-00-810-804

Camera 2 Failure

- 1. Possible Causes
 - CAMERA-DR 1, RH (14RA)
 - MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-72-00-710-001	Operational Test of the Anti-Hijack Camera-Monitoring-System
AMM	23-72-22-000-001	Removal of the Cockpit-Door Surveillance-System Monitor (10RA)
AMM	23-72-22-400-001	<pre>Installation of the Cockpit-Door Surveillance-System Monitor (10RA)</pre>
AMM	23-72-51-000-001	Removal of the Anti-Hijack-System Cameras
AMM	23-72-51-400-001	Installation of the Anti-Hijack-System Cameras
ASM	23-72/01	•

3. Fault Confirmation

- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279,
- R 281-281, 283-299, 426-499, 701-749,

Post SB 23-1208 For A/C 201-201,203-204,206-225,234-244,276-278,283-299, 426-450,476-499,701-749,

R Post SB 23-1277 For A/C 227-227,229-231,233-233,279-279,281-281,

A. Test

(1) Do the operational test of the Cockpit Door Surveillance System (CDSS) (Ref. AMM TASK 23-72-00-710-001).

EFF: 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, 281-281, 283-299, 426-499, 701-749, SROS

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- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, R 281-281, 283-299, 426-499, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279,
- R 281-281, 283-299, 426-499, 701-749,
 - Post SB 23-1208 For A/C 201-201,203-204,206-225,234-244,276-278,283-299, 426-450,476-499,701-749,
- R Post SB 23-1277 For A/C 227-227,229-231,233-233,279-279,281-281,
 - A. If the images from cameras 1 and 3 are good and the images from camera 2 are bad, and the green LED is on:
 - replace the CAMERA-DR 1, RH (14RA), (Ref. AMM TASK 23-72-51-000-001) and (Ref. AMM TASK 23-72-51-400-001).
 - (1) If the fault continues:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and the CAMERA-DR 1, RH (14RA), (Ref. ASM 23-72/01).
 - B. Do the test given in Para. 3.

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R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, R 281-281, 283-299, 426-499, 701-749,

TASK 23-72-00-810-805

Camera 3 Failure

- 1. Possible Causes
 - CAMERA-DR 1, LH (13RA)
 - MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-72-00-740-001	BITE Test of the Anti-Hijack Camera-Monitoring-System	
AMM	23-72-22-000-001	Removal of the Cockpit-Door Surveillance-System Monitor (10RA)	
AMM	23-72-22-400-001	<pre>Installation of the Cockpit-Door Surveillance-System Monitor (10RA)</pre>	
AMM	23-72-51-000-001	Removal of the Anti-Hijack-System Cameras	
AMM	23-72-51-400-001	Installation of the Anti-Hijack-System Cameras	
ASM	23-72/01	,	

3. Fault Confirmation

- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279,
- R 281-281, 283-299, 426-499, 701-749,

Post SB 23-1208 For A/C 201-201,203-204,206-225,234-244,276-278,283-299, 426-450,476-499,701-749,

R Post SB 23-1277 For A/C 227-227,229-231,233-233,279-279,281-281,

A. Test

(1) Do the BITE test of the Cockpit Door Surveillance System (CDSS) (Ref. AMM TASK 23-72-00-740-001).

EFF: 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, 281-281, 283-299, 426-499, 701-749, SROS

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- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, R 281-281, 283-299, 426-499, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279,
- R 281-281, 283-299, 426-499, 701-749,
 - Post SB 23-1208 For A/C 201-201,203-204,206-225,234-244,276-278,283-299, 426-450,476-499,701-749,
- R Post SB 23-1277 For A/C 227-227,229-231,233-233,279-279,281-281,
 - A. If the message "Camera 3 No Power/IR Fail" shows on the LCD monitor, camera 3 images do not show (cameras 1 and 2 images show), and the green LED flashes:
 - replace the CAMERA-DR 1, LH (13RA), (Ref. AMM TASK 23-72-51-000-001) and (Ref. AMM TASK 23-72-51-400-001).
 - (1) If the fault continues:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and the CAMERA-DR 1, LH (13RA), (Ref. ASM 23-72/01).
 - B. If the message "Camera 3 No Video Signal" shows on the LCD monitor, camera 3 images do not show and cameras 1 and 2 images do, and the green LED flashes:
 - replace the CAMERA-DR 1, LH (13RA), (Ref. AMM TASK 23-72-51-000-001) and (Ref. AMM TASK 23-72-51-400-001).
 - (1) If the fault continues:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and the CAMERA-DR 1, LH (13RA), (Ref. ASM 23-72/01).
 - C. If the message "Camera 3 No Video Power & Camera 3 No Power/IR Fail" shows on the LCD monitor, camera 3 images do not show and cameras 1 and 2 images do, and the green LED flashes:
 - replace the CAMERA-DR 1, LH (13RA), (Ref. AMM TASK 23-72-51-000-001) and (Ref. AMM TASK 23-72-51-400-001).
 - (1) If the fault continues:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).

EFF: 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, 281-281, 283-299, 426-499, 701-749, SROS

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- (2) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and the CAMERA-DR 1, LH (13RA), (Ref. ASM 23-72/01).
- D. Do the test given in Para. 3.

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R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, R 281-281, 283-299, 426-499, 701-749,

TASK 23-72-00-810-806

Camera 3 Failure

- 1. Possible Causes
 - CAMERA-DR 1, LH (13RA)
 - MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-72-00-710-001	Operational Test of the Anti-Hijack Camera-Monitoring-System
AMM	23-72-22-000-001	Removal of the Cockpit-Door Surveillance-System Monitor (10RA)
AMM	23-72-22-400-001	<pre>Installation of the Cockpit-Door Surveillance-System Monitor (10RA)</pre>
AMM	23-72-51-000-001	Removal of the Anti-Hijack-System Cameras
AMM	23-72-51-400-001	Installation of the Anti-Hijack-System Cameras
ASM	23-72/01	•

3. Fault Confirmation

- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279,
- R 281-281, 283-299, 426-499, 701-749,

Post SB 23-1208 For A/C 201-201,203-204,206-225,234-244,276-278,283-299, 426-450,476-499,701-749,

R Post SB 23-1277 For A/C 227-227,229-231,233-233,279-279,281-281,

A. Test

(1) Do the operational test of the Cockpit Door Surveillance System (CDSS) (Ref. AMM TASK 23-72-00-710-001).

- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, R 281-281, 283-299, 426-499, 701-749,
 - 4. Fault Isolation
- **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279,
- R 281-281, 283-299, 426-499, 701-749,
 - Post SB 23-1208 For A/C 201-201,203-204,206-225,234-244,276-278,283-299, 426-450,476-499,701-749,
- R Post SB 23-1277 For A/C 227-227,229-231,233-233,279-279,281-281,
 - A. If the images from cameras 1 and 2 are good and the images from camera 3 are bad, and the green LED is on:
 - replace the CAMERA-DR 1, LH (13RA), (Ref. AMM TASK 23-72-51-000-001) and (Ref. AMM TASK 23-72-51-400-001).
 - (1) If the fault continues:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
 - (2) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and the CAMERA-DR 1, LH (13RA), (Ref. ASM 23-72/01).
 - B. Do the test given in Para. 3.

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R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, R 281-281, 283-299, 426-499, 701-749,

TASK 23-72-00-810-807

LCD Monitor Failure

1. Possible Causes

- MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA)
- DOORS/CKPT/VIDEO/SPLY (15RA)
- COCKPIT SYST.CONTROL. (24MQ)
- CKPT DOOR VIDEO pushswitch (17RA)
- wiring
- VIDEO PUSHSWITCH (16RA)

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-72-00-710-001	Operational Test of the Anti-Hijack
A M M	27 72 22 000 004	Camera-Monitoring-System
AMM	23-72-22-000-001	Removal of the Cockpit-Door Surveillance-System Monitor (10RA)
AMM	23-72-22-400-001	Installation of the Cockpit-Door Surveillance-System
		Monitor (10RA)
AMM	52-51-00-710-002	Operational Test of the Cockpit Door Lock System (CDLS)

3. Fault Confirmation

- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279,
- R 281-281, 283-299, 426-499, 701-749,

Post SB 23-1208 For A/C 201-201,203-204,206-225,234-244,276-278,283-299, 426-450,476-499,701-749,

R Post SB 23-1277 For A/C 227-227,229-231,233-233,279-279,281-281,

A. Test

(1) Do the operational test of the Cockpit Door Surveillance System (CDSS) (Ref. AMM TASK 23-72-00-710-001).

EFF: 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, 281-281, 283-299, 426-499, 701-749, SROS

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- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, R 281-281, 283-299, 426-499, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279,
- R 281-281, 283-299, 426-499, 701-749,
 - Post SB 23-1208 For A/C 201-201,203-204,206-225,234-244,276-278,283-299, 426-450,476-499,701-749,
- R Post SB 23-1277 For A/C 227-227,229-231,233-233,279-279,281-281,
 - A. If the images for cameras 1, 2 and 3 do not show on the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA):
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
 - (1) If the fault continues and the green LED on the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) is off:
 - push the CKPT DOOR VIDEO pushswitch, on panel 271VU in the cockpit.
 - (a) If the OFF legend in the CKPT DOOR VIDEO pushswitch does not come on:
 - replace the CKPT DOOR VIDEO pushswitch (17RA).
 - (b) If the fault continues:
 - do a check for 28VDC at pin A3 on the CKPT DOOR VIDEO pushswitch (17RA).
 - 1 If there is not 28VDC:
 - do a check and repair the wiring between the CKPT DOOR VIDEO pushswitch (17RA) and the circuit breaker DOORS/CKPT/VIDEO/SPLY (15RA).
 - 2 If there is 28VDC at pin A3:
 - do a check for 28VDC at pin 42 on the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and if necessary repair the related wiring.
 - 3 If there is 28VDC at pin 42:
 - do a check for a ground signal at pin 21 on the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and if necessary repair the related wiring.
 - (2) If the fault continues and the green LED on the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) is on:
 - do a check and if necessary repair the related wiring between the cameras 1, 2 and 3 and the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA).

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- B. If the pictures on the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) do not change from camera 1 to cameras 2 and 3 when the VIDEO pushswitch in the cockpit is pushed:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) (Ref. AMM TASK 23-72-22-000-001) (Ref. AMM TASK 23-72-22-400-001).
 - (1) If the fault continues:
 - replace the VIDEO PUSHSWITCH (16RA).
 - (a) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), and the VIDEO PUSHSWITCH (16RA).
- C. If the images for cameras 1, 2 and 3 are bad/distorted/too dim/too bright MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA):
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
- D. If the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) does not go into the power-down-mode:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
- E. If the incorrect images are shown on the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) when the power-down-mode is excited:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
- F. If the images from camera 1 do not show on the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) when cockpit entry is requested:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
 - (1) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and the COCKPIT SYST.CONTROL. (24MQ).
 - (2) If the fault continues:
 - do the test of the Cockpit Door Lock System (Ref. AMM TASK 52-51-00-710-002). Make sure that the images from camera 1 show on the screen of the LCD monitor when cockpit entry is requested.
 - (a) If the images from camera 1 do not show when cockpit entry is requested:
 - do the related trouble shooting for the cockpit door lock system. You must do the trouble shooting to make sure that there is a signal from the COCKPIT SYST.CONTROL. (24MQ) to the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) when cockpit access is requested.

EFF: 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, 281-281, 283-299, 426-499, 701-749, SROS

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- G. If the failure history is not correctly shown on the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA):
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
- H. If the failure history cannot be deleted from the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA):
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
- J. Do the test given in Para. 3.

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R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, R 281-281, 283-299, 426-499, 701-749,

TASK 23-72-00-810-808

LCD Monitor Failure

1. Possible Causes

- MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA)
- CAMERA-COCKPIT DOOR (12RA)
- CAMERA-DR 1, LH (13RA)
- CAMERA-DR 1, RH (14RA)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
A M M	27 72 00 7/0 004	DITE Took of the Acti Military Common Maniterian Contant
AMM	23-72-00-740-001	BITE Test of the Anti-Hijack Camera-Monitoring-System
AMM	23-72-22-000-001	Removal of the Cockpit-Door Surveillance-System Monitor (10RA)
AMM	23-72-22-400-001	<pre>Installation of the Cockpit-Door Surveillance-System Monitor (10RA)</pre>
AMM	23-72-51-000-001	Removal of the Anti-Hijack-System Cameras
AMM	23-72-51-400-001	Installation of the Anti-Hijack-System Cameras
ASM	23-72/01	

3. Fault Confirmation

A. Test

(1) Do the BITE test of the Cockpit Door Surveillance System (CDSS) (Ref. AMM TASK 23-72-00-740-001).

EFF: 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, 281-281, 283-299, 426-499, 701-749, SROS

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- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, R 281-281, 283-299, 426-499, 701-749,
 - 4. Fault Isolation
- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279,
- R 281-281, 283-299, 426-499, 701-749,
- Post SB 23-1208 For A/C 201-201,203-204,206-225,234-244,276-278,283-299, 426-450,476-499,701-749,
- R Post SB 23-1277 For A/C 227-227,229-231,233-233,279-279,281-281,
 - A. If the LED flashes and the message "Display/Controller Failure" shows on the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA):
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
 - B. If the LED flashes and the message "Display/Pin Programming Fail" shows on the LCD monitor:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
 - (1) If the fault continues:
 - replace the CAMERA-COCKPIT DOOR (12RA), the CAMERA-DR 1, LH (13RA) and the CAMERA-DR 1, RH (14RA), (Ref. AMM TASK 23-72-51-000-001) (Ref. AMM TASK 23-72-51-400-001).
 - (a) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and the CAMERA-COCKPIT DOOR (12RA), and the CAMERA-DR 1, LH (13RA) and the CAMERA-DR 1, RH (14RA), (Ref. ASM 23-72/01).
 - C. If the LED flashes and the message "Pin Programming Changed" shows on the LCD monitor:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
 - (1) If the fault continues:
 - replace the CAMERA-COCKPIT DOOR (12RA), the CAMERA-DR 1, LH (13RA) and the CAMERA-DR 1, RH (14RA), (Ref. AMM TASK 23-72-51-000-001) and (Ref. AMM TASK 23-72-51-400-001).
 - (a) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and the CAMERA-COCKPIT DOOR (12RA), and the CAMERA-DR 1, LH (13RA) and the CAMERA-DR 1, RH (14RA), (Ref. ASM 23-72/01).

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- D. If the LED flashes and no message shows on the LCD monitor:
 - replace the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA), (Ref. AMM TASK 23-72-22-000-001) and (Ref. AMM TASK 23-72-22-400-001).
 - (1) If the fault continues:
 - replace the CAMERA-COCKPIT DOOR (12RA), the CAMERA-DR 1, LH (13RA) and the CAMERA-DR 1, RH (14RA), (Ref. AMM TASK 23-72-51-000-001) and (Ref. AMM TASK 23-72-51-400-001).
 - (a) If the fault continues:
 - do a check and if necessary repair the wiring between the MONITOR-COCKPIT DOOR SURVEILLANCE SYSTEM (10RA) and the CAMERA-COCKPIT DOOR (12RA), and the CAMERA-DR 1, LH (13RA) and the CAMERA-DR 1, RH (14RA), (Ref. ASM 23-72/01).
- E. Do the test given in Para. 3.

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426-499, 701-749,

201-201, 203-204, 206-225, 227-227,

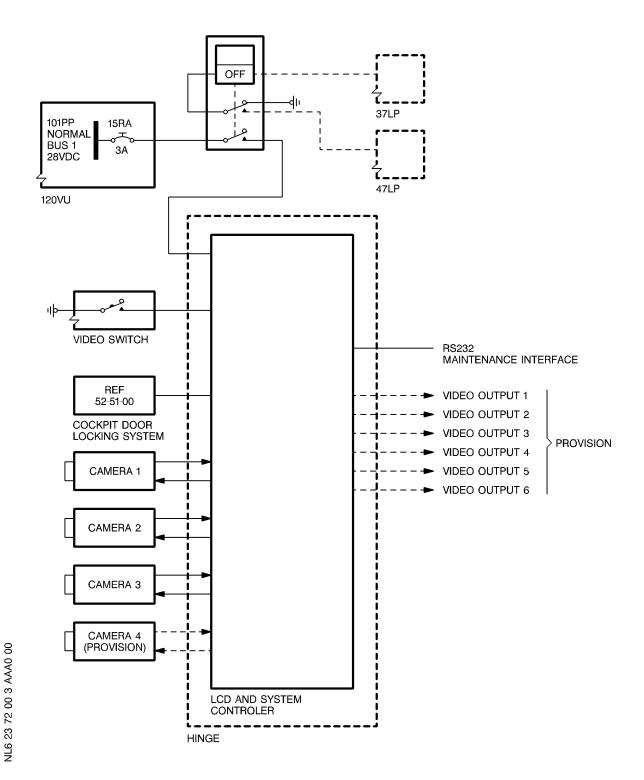
229-231, 233-244, 254-279, 281-281, 283-299,

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ANTI HIJACK CAMERA MONITORING - TASK SUPPORTING DATA

- R **ON A/C 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, R 281-281, 283-299, 426-499, 701-749,
 - Post SB 23-1208 For A/C 201-201,203-204,206-225,234-244,276-278,283-299, 426-450,476-499,701-749,
- R Post SB 23-1277 For A/C 227-227,229-231,233-233,279-279,281-281,
 - 1. 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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Cockpit Door Surveillance System - Schematic Figure 301

R EFF: 201-201, 203-204, 206-225, 227-227, 229-231, 233-244, 254-279, 281-281, 283-299, 426-499, 701-749, SROS

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CABIN INTERCOMMUNICATION DATA SYSTEM (CIDS) - FAULT ISOLATION PROCEDURES

TASK 23-73-00-810-879

Director - Fault in Director 1 and Director 2

- 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - DIR-CIDS, 2 (102RH)
 - BOARD-ANN LT TEST & INTFC (9LP)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
	27 77 00 7/0 005	
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM	23-73-34-000-001	Removal of the CIDS Director (101RH, 102RH)
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH, 102RH)
AMM	33-14-33-000-001	Removal of the Annunciator-Light Test and
		Interface-Board (1LP, 2LP, 3LP, 4LP, 5LP, 6LP, 7LP, 8LP, 9LP, 10LP, 11LP, 12LP, 18LP, 19LP, 20LP)
AMM	33-14-33-400-001	Installation of the Annunciator-Light Test and
		Interface-Board (1LP, 2LP, 3LP, 4LP, 5LP, 6LP, 7LP, 8LP, 9LP, 10LP, 11LP, 12LP, 18LP, 19LP, 20LP)
ASM	23-73/06	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the CIDS BITE test through the CFDS. (Ref. AMM TASK 23-73-00-740-005)

EFF: ALL 23-73-00

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4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- R **ON A/C 201-208, 227-227, 229-245, 276-284,
 - B. If the fault is confirmed:
 - remove DIR-CIDS, 1 (101RH) and DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001),
 - check the wiring for a short circuit between: DIR-CIDS, 1 (101RH) connector AB pin 11A and GND, DIR-CIDS, 2 (102RH) connector AB pin 11A and GND. (Ref. ASM 23-73/06)
 - (1) If there is a short circuit:
 - replace the BOARD-ANN LT TEST & INTFC (9LP) (Ref. AMM TASK 33-14-33-000-001) and (Ref. AMM TASK 33-14-33-400-001).
 - (2) Install a new DIR-CIDS, 1 (101RH) and DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001) and do the test again.

**ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,

- C. If the fault is confirmed and CIDS1 (ACT) is shown on the CFDS:
 - make sure that at least one cabin door is open,
 - open these CBs:

49VU: 150RH (G01) COM DIR 1/ESS 49VU: 157RH (G02) COM DIR 2/ESS 121VU: 151RH (M06) CIDS/DIR1/NORM 121VU: 156RH (M07) CIDS/DIR2/NORM

- wait for approx. 10 s and close 156RH and 157RH,
- stop for approx. 120 s,
- do the test again.
- (1) If the ECAM message CIDS 1&2 FAULT and CFDS message DIRECTOR (CIDS2 (ACT)) come on:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001)
 and (Ref. AMM TASK 23-73-34-400-001)
 - do the test again.
 - (a) If the fault continues:
 - do a check and repair the wiring if necessary between the:
 CB 156RH and DIR-CIDS2 connector AB/E12,
 CB 156RH and DIR-CIDS2 connector AC/4 (Ref. ASM 23-73/06).
 DIR-CIDS2 connector AC pin 6 and GND.
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001),
 - do the test again.

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EFF: ALL

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- 1 If the fault continues:
 - do a check and repair the wiring between the: CB 151RH and DIR-CIDS1 connector AB/E12, CB 151RH and DIR-CIDS1 connector AC/4, DIR-CIDS1 connector AC/6 and GND, DIR-CIDS1 connector AB/C12 and DIR-CIDS2 connector AB/F12 (Ref. ASM 23-73/06).
- (b) If the ECAM message CIDS 1&2 FAULT do not come on and the CFDS message CIDS2 (ACT) come on:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001),
 - do the test again.
 - 1 If the fault continues:
 - do a check and repair the wiring between the: CB 151RH and DIR-CIDS1 connector AB/E12, CB 151RH and DIR-CIDS1 connector AC/4, DIR-CIDS1 connector AC/6 and GND, DIR-CIDS1 connector AB/C12 and DIR-CIDS2 connector AB/F12 (Ref. ASM 23-73/06).
- R **ON A/C 227-227, 229-275, 426-450,
 - C. If the fault is confirmed and CIDS1 (ACT) is shown on the CFDS:
 - make sure that at least one cabin door is open,
 - open these CBs:

49VU: 150RH (GO1) COM DIR ESS/1

49VU: 157RH (GO2) COM DIR ESS/2

121VU:151RH (MO5) CIDS/DIR NORM/1

121VU: 156RH (MO6) CIDS/DIR NORM/2

- wait for approx. 10 s and close 156RH and 157RH,
- stop for approx. 120 s,
- do the test again.
- (1) If the ECAM message CIDS 1&2 FAULT and CFDS message DIRECTOR (CIDS2 (ACT)) come on:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001)
 and (Ref. AMM TASK 23-73-34-400-001)
 - do the test again.
 - (a) If the fault continues:
 - do a check and repair the wiring if necessary between the:
 CB 156RH and DIR-CIDS2 connector AB/E12,
 CB 156RH and DIR-CIDS2 connector AC/4 (Ref. ASM 23-73/06).
 DIR-CIDS2 connector AC pin 6 and GND.
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001),
 - do the test again.

EFF: 201-225, 227-227, 229-299, 426-499, 503-549, 551-599,

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- 1 If the fault continues:
 - do a check and repair the wiring between the: CB 151RH and DIR-CIDS1 connector AB/E12, CB 151RH and DIR-CIDS1 connector AC/4, DIR-CIDS1 connector AC/6 and GND, DIR-CIDS1 connector AB/C12 and DIR-CIDS2 connector AB/F12 (Ref. ASM 23-73/06).
- (b) If the ECAM message CIDS 1&2 FAULT do not come on and the CFDS message CIDS2 (ACT) come on:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001),
 - do the test again.
 - 1 If the fault continues:
 - do a check and repair the wiring between the: CB 151RH and DIR-CIDS1 connector AB/E12, CB 151RH and DIR-CIDS1 connector AC/4, DIR-CIDS1 connector AC/6 and GND, DIR-CIDS1 connector AB/C12 and DIR-CIDS2 connector AB/F12 (Ref. ASM 23-73/06).

**ON A/C 701-749,

- C. If the fault is confirmed and CIDS1 (ACT) is shown on the CFDS:
 - remove the DIR-CIDS1 (Ref. AMM TASK 23-73-34-000-001),
 - close this CBs:

49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS 121VU: 151RH (MO5) CIDS/DIR 1 & 2/NORM,

- stop for approx. 120 s,
- do the test again.
- (1) If the ECAM message CIDS 1&2 FAULT and CFDS message DIRECTOR (CIDS2 (ACT)) come on:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001) and (Ref. AMM TASK 23-73-34-400-001)
 - do the test again.
 - (a) If the fault continues:
 - do a check and repair the wiring if necessary between the:
 CB 151RH and DIR-CIDS2 connector AB/E12,
 CB 151RH and DIR-CIDS2 connector AC/4 (Ref. ASM 23-73/06).
 DIR-CIDS2 connector AC pin 6 and GND.
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001),
 - do the test again.
 - 1 If the fault continues:
 - do a check and repair the wiring between the:
 CB 151RH and DIR-CIDS1 connector AB/E12,
 CB 151RH and DIR-CIDS1 connector AC/4,

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DIR-CIDS1 connector AC/6 and GND,
DIR-CIDS1 connector AB/C12 and DIR-CIDS2 connector AB/F12
(Ref. ASM 23-73/06).

- (b) If the ECAM message CIDS 1&2 FAULT do not come on and the CFDS message CIDS2 (ACT) come on:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001),
 - do the test again.
 - 1 If the fault continues:
 - do a check and repair the wiring between the: CB 151RH and DIR-CIDS1 connector AB/E12, CB 151RH and DIR-CIDS1 connector AC/4, DIR-CIDS1 connector AC/6 and GND, DIR-CIDS1 connector AB/C12 and DIR-CIDS2 connector AB/F12 (Ref. ASM 23-73/06).

**ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,

- D. If the fault is confirmed and CIDS2 (ACT) is shown on the CFDS:
 - replace DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001) and (Ref. AMM TASK 23-73-34-400-001),
 - do the test again (start with step 4.).
 - (1) If the ECAM message CIDS 1&2 FAULT is not shown and the CFDS message CIDS2 DIRECTOR is not shown, but the CIDS2 is in operation (ACT mode):
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 and (Ref. AMM TASK 23-73-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring if necessary between the:
 - CB 151RH and DIR-CIDS1 connector AC/4,
 - CB 151RH and DIR-CIDS1 connector AB/E12,
 - CB 156RH and DIR-CIDS2 connector AB/E12,
 - CB 156RH and DIR-CIDS2 connector AC/4,
 - DIR-CIDS1 connector AC/6 and GND,
 - DIR-CIDS1 connector AB/C12 and DIR-CIDS2 connector AB/F12 (Ref. ASM 23-73/06).
- R **ON A/C 227-227, 229-275, 426-450, 701-749,
 - D. If the fault is confirmed and CIDS2 (ACT) is shown on the CFDS:
 - replace DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001) and (Ref. AMM TASK 23-73-34-400-001),
 - do the test again.

EFF: ALL

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- (1) If the ECAM message CIDS 1&2 FAULT is not shown and the CFDS message CIDS2 DIRECTOR is not shown, but the CIDS2 is in operation (ACT mode):
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001) and (Ref. AMM TASK 23-73-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring if necessary between the: CB 151RH and DIR-CIDS1 connector AB/E12, CB 151RH and DIR-CIDS1 connector AC/4, CB 151RH and DIR-CIDS2 connector AB/E12, CB 151RH and DIR-CIDS2 connector AC/4, DIR-CIDS1 connector AC/6 and GND, DIR-CIDS1 connector AB/C12 and DIR-CIDS2 connector AB/F12 (Ref. ASM 23-73/06).

**ON A/C ALL

E. Do the test given in Para. 3.A.

EFF: ALL
SROS

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TASK 23-73-00-810-881

CIDS - No CIDS function in 50% of the cabin

- 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - DEU-A 200RH
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R R	AMM AMM AMM AMM ASM	23-73-00-740-005 23-73-34-000-001 23-73-34-400-001 23-73-46-000-001 23-73-46-400-001 23-73/06 23-73/07 23-73/08	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH) Removal of the Decoder/Encoder Unit A (200RH) Installation of the Decoder/Encoder Unit A (200RH)

- 3. Fault Confirmation
 - A. Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 451-475, 551-599,

B. If the CFDS gives the maintenance message:

50% DEU-A
DEU-A 200RHXX (all effected DEU-A 200RH are shown)

- make sure that at least one cabin door is open.
- open these CBs:

SROS

49VU: 150RH (GO1) COM DIR ESS/1

49VU: 157RH (GO2) COM DIR ESS/2

121VU:151RH (M06) CIDS/DIR NORM/1

121VU:156RH (MO7) CIDS/DIR NORM/2,

- wait for approx. 10 s and close 156RH and 157RH,

EFF: ALL

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```
- do the CIDS BITE test again.
         (1) If the test is OK:
             - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
         (2) If the fault continues:
             - replace all related DEU-A 200RH (Ref. AMM TASK 23-73-46-000-001)
               and (Ref. AMM TASK 23-73-46-400-001).
             (a) If the fault continues:
                 - do a check and repair the wiring between the related:
                   DEU mount connector A/8 and CB 163RH,
                   DEU mount connector A/8 and CB 164RH,
                   DEU mount connector A/8 and CB 165RH,
                   DEU mount connector A/8 and CB 166RH,
                   DEU mount connector A/8 and CB 167RH,
                   DEU mount connector A/8 and CB 168RH,
                   DEU mount connector A/5 and CB 154RH,
                   DEU mount connector A/5 and CB 155RH,
                   DEU mount connector A/7 and GND
                   (Ref. ASM 23-73/06), (Ref. ASM 23-73/07) and (Ref. ASM 23-
                   73/08).
R **ON A/C 227-227, 229-275, 426-450,
      B. If the CFDS gives the maintenance message:
         50% DEU-A
         DEU-A 200RHXX (all effected DEU-A 200RH are shown)
         - make sure that at least one cabin door is open.
         - open these CBs:
           49VU: 150RH (GO1) COM DIR ESS/1
           49VU: 157RH (GO2) COM DIR ESS/2
```

(1) If the test is OK:

stop for approx. 120 s,do the CIDS BITE test again.

121VU:151RH (M05) CIDS/DIR NORM/1 121VU:156RH (M06) CIDS/DIR NORM/2

- wait for approx. 10 s and close 156RH and 157RH,

- stop for approx. 120 s,

install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).

EFF: 201-225, 227-227, 229-275, 426-475, 551-599, SROS

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EFF: 227-227, 229-299, 426-450, 476-499, 503-549,

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```
DEU mount connector A/8 and CB 176RH,
DEU mount connector A/5 and CB 154RH,
DEU mount connector A/5 and CB 155RH,
DEU mount connector A/7 and GND
(Ref. ASM 23-73/06), (Ref. ASM 23-73/07) and (Ref. ASM 23-73/08).
```

**ON A/C 701-749,

B. If the CFDS gives the maintenance message:

```
50% DEU-A
DEU-A 200RHXX (all effected DEU-A 200RH are shown)
```

- remove the DIR-CIDS1 (Ref. AMM TASK 23-73-34-000-001),
- make sure that at least one cabin door is open.
- close these CBs:
 - 49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS
 - 121VU: 151RH (MO5) CIDS/DIR 1 & 2/NORM,
- stop for approx. 120 s,
- do the test again.
- (1) If the test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If the fault continues:
 - replace all related DEU-A 200RH (Ref. AMM TASK 23-73-46-000-001)
 and (Ref. AMM TASK 23-73-46-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring between the related:

```
DEU mount connector A/8 and CB 163RH,
```

DEU mount connector A/8 and CB 164RH,

DEU mount connector A/8 and CB 165RH,

DEU mount connector A/8 and CB 166RH,

DEU mount connector A/8 and CB 167RH,

DEU mount connector A/8 and CB 168RH,

DEU mount connector A/5 and CB 154RH,

DEU mount connector A/5 and CB 155RH,

DEU mount connector A/7 and GND (Ref. ASM 23-73/06) and (Ref. ASM 23-73/07).

- R **ON A/C ALL
 - C. Do the test as given in Para. 3.A.

EFF: ALL

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TASK 23-73-00-810-882

R CIDS - No CIDS function in 20% of the cabin

1. Possible Causes

- DIR-CIDS, 1 (101RH)
- DEU-A 200RH
- wiring

2. Job Set-up Information

A. Referenced Information

	REFE	RENCE	DESIGNATION
R R	AMM AMM AMM AMM ASM	23-73-00-740-005 23-73-34-000-001 23-73-34-400-001 23-73-46-000-001 23-73-46-400-001 23-73/06	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH) Removal of the Decoder/Encoder Unit A (200RH) Installation of the Decoder/Encoder Unit A (200RH)
	ASM ASM	23-73/07 23-73/08	

3. Fault Confirmation

A. Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).

4. Fault Isolation

A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 451-475, 551-599,

- B. If the test confirms the fault:
 - make sure that at least one cabin door is open.
 - open these CBs:

49VU: 150RH (GO1) COM DIR ESS/1 49VU: 157RH (GO2) COM DIR ESS/2 121VU:151RH (MO6) CIDS/DIR NORM/1 121VU:156RH (M07) CIDS/DIR NORM/2

- wait for approx. 10 s and close the CBs 156RH and 157RH,
- stop for approx 120 s,
- do the CIDS BITE test again (start with step 4.).

EFF: ALL **SROS**

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```
(1) If the test is OK:
             install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
         (2) If the fault continues:

    replace all related DEU-A 200RH (Ref. AMM TASK 23-73-46-000-001)

               and (Ref. AMM TASK 23-73-46-400-001).
             (a) If the fault continues:
                 - do a check and repair the wiring between the related:
                   DEU mount connector A/8 and CB 163RH,
                   DEU mount connector A/8 and CB 164RH,
                   DEU mount connector A/8 and CB 165RH,
                   DEU mount connector A/8 and CB 166RH,
                   DEU mount connector A/8 and CB 167RH,
                   DEU mount connector A/8 and CB 168RH,
                   DEU mount connector A/5 and CB 154RH,
                   DEU mount connector A/5 and CB 155RH,
                   DEU mount connector A/7 and GND
                   (Ref. ASM 23-73/06), (Ref. ASM 23-73/07) and (Ref. ASM 23-
                   73/08).
R **ON A/C 227-227, 229-275, 426-450,
      B. If the test confirms the fault:
         - make sure that at least one cabin door is open.
         - open these CBs:
           49VU: 150RH (GO1) COM DIR ESS/1
           49VU: 157RH (GO2) COM DIR ESS/2
           121VU:151RH (M05) CIDS/DIR NORM/1
           121VU:156RH (MO6) CIDS/DIR NORM/2
         - wait for approx. 10 s and close the CBs 156RH and 157RH,
         - stop for approx 120 s.
         - do the CIDS BITE test again (start with step 4.).
         (1) If the test is OK:
             install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
         (2) If the fault continues:
             - replace all related DEU-A 200RH (Ref. AMM TASK 23-73-46-000-001)
               and (Ref. AMM TASK 23-73-46-400-001).
             (a) If the fault continues:
                 - do a check and repair the wiring between the related:
                   DEU mount connector A/8 and CB 163RH,
                   DEU mount connector A/8 and CB 164RH,
                   DEU mount connector A/8 and CB 165RH,
                   DEU mount connector A/8 and CB 166RH,
                   DEU mount connector A/8 and CB 167RH,
                   DEU mount connector A/8 and CB 168RH,
                   DEU mount connector A/5 and CB 154RH,
                   DEU mount connector A/5 and CB 155RH,
```

R EFF: 201-225, 227-227, 229-275, 426-475, 551-599, SROS

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DEU mount connector A/7 and GND (Ref. ASM 23-73/06), (Ref. ASM 23-73/07) and (Ref. ASM 23-73/08).

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

- B. If the test confirms the fault:
 make sure that at least one cabin door is open.
 open these CBs:
 49VU: 150RH (G01) COM DIR ESS/1
 49VU: 157RH (G02) COM DIR ESS/2
 121VU:151RH (M06) CIDS/DIR NORM/1
 121VU:156RH (M07) CIDS/DIR NORM/2
 wait for approx. 10 s and close the CBs 156RH and 157RH,
 stop for approx 120 s,
 do the CIDS BITE test again (start with step 4.).
 - (1) If the test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If the fault continues:
 - replace all related DEU-A 200RH (Ref. AMM TASK 23-73-46-000-001)
 and (Ref. AMM TASK 23-73-46-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring between the related:
 DEU mount connector A/8 and CB 163RH,
 DEU mount connector A/8 and CB 164RH,
 DEU mount connector A/8 and CB 165RH,
 DEU mount connector A/8 and CB 166RH,
 DEU mount connector A/8 and CB 173RH,
 DEU mount connector A/8 and CB 174RH,
 DEU mount connector A/8 and CB 175RH,
 DEU mount connector A/8 and CB 176RH,
 DEU mount connector A/5 and CB 154RH,
 DEU mount connector A/5 and CB 155RH,
 DEU mount connector A/5 and CB 155RH,
 DEU mount connector A/7 and GND
 (Ref. ASM 23-73/06), (Ref. ASM 23-73/07) and (Ref. ASM 23-73/08).

**ON A/C 701-749,

- B. If the test confirms the fault:
 remove the DIR-CIDS1 (Ref. AMM TASK 23-73-34-000-001),
 make sure that at least one cabin door is open,
 close these CBs:
 49VU: 150RH (G02) CIDS/DIR 1 & 2/ESS
 121VU: 151RH (M05) CIDS/DIR 1 & 2/NORM
 stop for approx. 120 s,
 - do the test again (start with step 4.).

EFF: 227-227, 229-299, 426-450, 476-499, 503-549, 701-749, SROS

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- (1) If the test is OK:

 install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).

 (2) If the fault continues:

 replace all related DEU-A 200RH (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).

 (a) If the fault continues:
 - do a check and repair the wiring between the related: DEU mount connector A/8 and CB 163RH, DEU mount connector A/8 and CB 164RH, DEU mount connector A/8 and CB 165RH, DEU mount connector A/8 and CB 166RH, DEU mount connector A/8 and CB 167RH, DEU mount connector A/8 and CB 168RH, DEU mount connector A/5 and CB 154RH, DEU mount connector A/5 and CB 155RH, DEU mount connector A/7 and GND (Ref. ASM 23-73/06) and (Ref. ASM 23-73/07).

R **ON A/C ALL

C. Do the test as given in Para. 3.A.

R EFF: ALL
SROS

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TASK 23-73-00-810-880

DEU-B - Fault in all DEU-B with a connected handset

1. Possible Causes

- DIR-CIDS, 1 (101RH)
- DIR-CIDS, 2 (102RH)
- DEU-B 300RHxx
- wiring

2. Job Set-up Information

A. Referenced Information

	REFER	RENCE	DESIGNATION
R R	23-73 AMM	3-00-810-836 3-00-810-837 23-73-00-740-005	CIDS - Fault in the CIDS MID BUS L CIDS - Fault in the CIDS MID BUS R BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
	AMM AMM ASM	23-73-34-400-001 23-73-47-000-001 23-73-47-400-001 23-73/10 23-73/11	Installation of the CIDS Director (101RH,102RH) Removal of the Decoder/Encoder Unit B (300RH) Installation of the Decoder/Encoder Unit B (300RH)

3. Fault Confirmation

- A. Test
 - (1) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).

4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the CIDS BITE test gives the maintenance messages:

on the ECAM:

CIDS 1 + 2 FAULT

on the CFDS:

ALL DEU-B WI HANDSET DIRECTOR (1 or 2) CIDS MID BUS L

EFF: ALL

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CIDS MID BUS R
DEU-B 300RHxx (all installed DEU-Bs)

- replace the DIR-CIDS, that is shown on the CFDS, either DIR-CIDS, 1
 (101RH) or DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001) (Ref. AMM TASK 23-73-34-400-001).
- C. If the CIDS BITE test gives the maintenance messages:

on the ECAM:

CIDS 1 + 2 FAULT

on the CFDS:

ALL DEU-B WI HANDSET
DEU-B 300RHxx (all DEU-Bs with a connected handset)

- replace all the DEU-B 300RHxx that are shown on the CFDS (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).
- D. If the CIDS BITE test gives the maintenance messages:

on the ECAM:

CIDS 1 + 2 FAULT

on the CFDS:

ALL DEU-B WI HANDSET
CIDS MID BUS L
CIDS MID BUS R
DEU-B 300RHxx (all installed DEU-Bs)

- do the trouble shooting procedures for CIDS MID BUS L (Ref. TASK 23-73-00-810-836) and CIDS MID BUS R (Ref. TASK 23-73-00-810-837).
- (1) If the fault continues:
 - do a check and repair the wiring if necessary between:
 CB 162RH and connector A/8 of all DEU-B mounts (Ref. ASM 23-73/10) and (Ref. ASM 23-73/11).
 - (a) If the fault continues:
 - replace all DEU-B 300RHxx (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).
- E. Do the test given in Para. 3.A.

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EFF:

ALL

TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-894

Director 1 fault

- 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION
R R	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
		23-73-34-000-001 23-73-34-400-001	Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH)

- 3. Fault Confirmation
 - A. Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - B. If the CIDS BITE test gives the maintenance message DIRECTOR:
 replace the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001) and
 (Ref. AMM TASK 23-73-34-400-001).
 - C. Do the test as given in Para. 3.A.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-895

Director 2 fault

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

	REFE	RENCE	DESIGNATION
R R	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
		23-73-34-000-001 23-73-34-400-001	Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH)

- 3. Fault Confirmation
 - A. Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - B. If the CIDS BITE test gives the maintenance message DIRECTOR:do the CIDS2 DIRECTOR test through the CFDS.
 - (1) If the fault message DIRECTOR comes on:
 replace the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001)
 and (Ref. AMM TASK 23-73-34-400-001).
 - C. Do the test as given in Para 3.A.

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EFF: ALL

TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-896

Director 1 data transmission fault

- 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - DIR-CIDS, 2 (102RH)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R R	AMM AMM	23-73-00-740-005 23-73-34-000-001 23-73-34-400-001 23-73/01	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH)

- 3. Fault Confirmation
 - A. Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - B. If the CIDS BITE test gives the maintenance message DIRECTOR: - do the CIDS DIRECTOR test through the CFDS (via CIDS1):
 - (1) If the fault message DIRECTOR comes on:
 - replace the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001) and (Ref. AMM TASK 23-73-34-400-001).
 - (2) If no maintenance message comes on:
 - do a check and repair the wiring between the: DIR-CIDS, 1 connector AA/13A and DIR-CIDS, 2 connector AA/13E, DIR-CIDS, 1 connector AA/13B and DIR-CIDS, 2 connector AA/13F (Ref. ASM 23-73/01).
 - (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).
 - C. Do the test as given in Para. 3.A.

EFF: ALL **SROS**

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TASK 23-73-00-810-897

Director 2 data transmission fault

- 1. Possible Causes
 - DIR-CIDS, 2 (102RH)
 - DIR-CIDS, 1 (101RH)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R R	AMM AMM	23-73-00-740-005 23-73-34-000-001 23-73-34-400-001 23-73/00	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH)

- 3. Fault Confirmation
 - A. Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - B. If the CIDS BITE test gives the maintenance message DIRECTOR:do the CIDS DIRECTOR test through the CFDS (via CIDS2).
 - (1) If the fault message DIRECTOR comes on:
 - replace the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001)
 and (Ref. AMM TASK 23-73-34-400-001).
 - (2) If no maintenance message comes on:
 - do a check and repair the wiring between the: DIR-CIDS,2 connector AA/13A and DIR-CIDS,1 connector AA/13E, DIR-CIDS,2 connector AA/13B and DIR-CIDS,1 connector AA/13F (Ref. ASM 23-73/00).
 - (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).
 - C. Do the test as given in Para. 3.A.

EFF: ALL
SROS

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TASK 23-73-00-810-861

CIDS - Fault in all CIDS-related cabin functions

- 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM 23-73-34-000-001 AMM 23-73-34-400-001	Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH)

3. Fault Confirmation

- A. Test
 - (1) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
 - (2) Operate some CIDS related cabin systems.
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,

- B. If the CIDS BITE test result is no fault message, but you cannot operate the CIDS-related systems:
 - make sure that at least one cabin door is open.
 - open these CBs:

49VU: 15ORH COM DIR ESS/1,

49VU: 157RH COM DIR ESS/2,

121VU: 151RH CIDS/DIR NORM/1, 121VU: 156RH CIDS/DIR NORM/2.

R - wait for approx. 10s and close the CBs 156RH and 157RH.

- stop for approx. 120 s,

R - do the CIDS BITE test again (start with step 4.) and operate some R CIDS-related cabin systems.

EFF: ALL

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R

R

R

R

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- (1) If there is no failure message and the related cabin systems are OK:
 install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001)
- (2) If there is a failure message and the related cabin systems are not OK:
 - refer to the related trouble shooting procedure in the applicable
 Page Block 101.

R **ON A/C 227-227, 229-275, 426-450,

- B. If the CIDS BITE test result is no fault message, but you cannot operate the CIDS-related systems:
 - make sure that at least one cabin door is open.
 - open these CBs:

49VU: 150RH COM DIR ESS/1,

49VU: 157RH COM DIR ESS/2,

121VU: 151RH CIDS/DIR NORM/1,

121VU: 156RH CIDS/DIR NORM/2.

- wait for approx. 10s and close the CBs 156RH and 157RH.
- stop for approx. 120s,
- do the CIDS BITE test again (start with step 4.) and operate some CIDS-related cabin systems.
- (1) If there is no failure message and the related cabin systems are OK:
 install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001)
- (2) If there is a failure message and the related cabin systems are not OK:
 - refer to the related trouble shooting procedure in the applicable
 Page Block 101.

**ON A/C 701-749,

- B. If the CIDS BITE test result is no fault message, but you cannot operate the CIDS-related systems:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open.
 - close these CBs:

49VU: 150RH CIDS/DIR 1 & 2/ESS,

121VU: 151RH CIDS/DIR 1 & 2/NORM.

- stop for approx. 120s,
- do the CIDS BITE test again (start with step 4.) and operate some CIDS-related cabin systems.
- (1) If there is no failure message and the related cabin systems are OK:
 install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001)

EFF: ALL

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- (2) If there is a failure message and the related cabin systems are not \mathbf{OK} :
 - refer to the related trouble shooting procedure in the applicable Page Block 101.

**ON A/C ALL

- C. Install the removed DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- D. Do the test given in Para. 3.A.

EFF: ALL SROS 23-73-00

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TASK 23-73-00-810-862

R PA - No PA and cabin interphone from cockpit boomset/mike

1. Possible Causes

- DIR-CIDS, 1 (101RH)
- cockpit boomset/mike
- wiring

2. Job Set-up Information

A. Referenced Information

	REFE	RENCE	DESIGNATION
R	AMM AMM	1-00-810-835 23-51-00-740-002 23-73-00-710-005 23-73-00-740-005	Loss of the Transmission from the Captain Boomset BITE Test of the Audio System Operational test of the Passenger Address (PA) system BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
		23-73-34-000-001 23-73-34-400-001 23-73/02	Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH)

3. Fault Confirmation

A. Test

- (1) Do the BITE test of the AMU & ACP (Ref. AMM TASK 23-51-00-740-002).
- R (2) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
- R (3) Do the operational test of the Passenger Address (PA) system (Ref. AMM TASK 23-73-00-710-005).

R

EFF: ALL 23-73-00

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4. Fault Isolation

R

A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,

- **B.** If the CIDS BITE test result is no fault message, but an announcement is not possible:
 - make sure that at least one cabin door is open.
- open these CBs:
- R 49VU: 15ORH COM DIR ESS/1,
- R 49VU: 157RH COM DIR ESS/2,
- R 121VU: 151RH CIDS/DIR NORM/1,
- R 121VU: 156RH CIDS/DIR NORM/2.
- R wait for approx. 10s and close the CBs 156RH and 157RH.
- R stop for approx. 120s,
 - make an announcement again.
 - (1) If an announcement is possible:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If an announcement is not possible:
 - replace the cockpit boomset/mike.
 - (a) If the fault continues:
 - do a check and repair the wiring if necessary between the: DIR-CIDS (101RH) connector AB/A1 and the AMU (1RN) connector AA/7E,
 - DIR-CIDS (101RH) connector AB/B1 and the AMU (1RN) connector AA/7D,
 - DIR-CIDS (101RH) connector AB/J1 and the AMU (1RN) connector AA/7A,
 - DIR-CIDS (101RH) connector AB/K1 and the AMU (1RN) connector
 - DIR-CIDS (101RH) connector AB/E1 and the AMU (1RN) connector AA/7F,
 - DIR-CIDS (101RH) connector AB/A2 and the AMU (1RN) connector AA/6B,
 - DIR-CIDS (101RH) connector AB/B2 and the AMU (1RN) connector $\Delta\Delta$ /6 Δ
 - DIR-CIDS (101RH) connector AB/D2 and the AMU (1RN) connector $AA/6D_{\star}$
 - DIR-CIDS (101RH) connector AB/E2 and the AMU (1RN) connector AA/6E,
 - DIR-CIDS (101RH) connector AB/F2 and the AMU (1RN) connector AA/6F,
 - DIR-CIDS (101RH) connector AB/G2 and the AMU (1RN) connector AA/6H,
 - DIR-CIDS (101RH) connector AB/H2 and the AMU (1RN) connector AA/6J (Ref. ASM 23-73/02).

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R

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EFF:

ALL

TROUBLE SHOOTING MANUAL

- 1 If the fault continues:
 - do the trouble shooting procedures for the Audio Management System (AMU) (Ref. TASK 23-51-00-810-835).
- R **ON A/C 227-227, 229-275, 426-450,
 - **B.** If the CIDS BITE test result is no fault message, but an announcement is not possible:
 - make sure that at least one cabin door is open.
 - open these CBs:

49VU: 150RH COM DIR ESS/1,

49VU: 157RH COM DIR ESS/2,

121VU: 151RH CIDS/DIR NORM/1,

- 121VU: 156RH CIDS/DIR NORM/2. wait for approx. 10s and close the CBs 156RH and 157RH.
- stop for approx. 120s,
- make an announcement again.
- (1) If an announcement is possible:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If an announcement is not possible:
 - replace the cockpit boomset/mike.
 - (a) If the fault continues:
 - do a check and repair the wiring if necessary between the:
 DIR-CIDS (101RH) connector AB/A1 and the AMU (1RN) connector AA/7E,

DIR-CIDS (101RH) connector AB/B1 and the AMU (1RN) connector AA/7D,

DIR-CIDS (101RH) connector AB/J1 and the AMU (1RN) connector AA/7A,

DIR-CIDS (101RH) connector AB/K1 and the AMU (1RN) connector $AA/7B_{\perp}$

DIR-CIDS (101RH) connector AB/E1 and the AMU (1RN) connector AA/7F,
DIR-CIDS (101RH) connector AB/A2 and the AMU (1RN) connector

AA/6B, DIR-CIDS (101RH) connector AB/B2 and the AMU (1RN) connector

AA/6A,

DIR-CIDS (101RH) connector AB/D2 and the AMU (1RN) connector AA/6D,

DIR-CIDS (101RH) connector AB/E2 and the AMU (1RN) connector AA/6E,

DIR-CIDS (101RH) connector AB/F2 and the AMU (1RN) connector AA/6F,

DIR-CIDS (101RH) connector AB/G2 and the AMU (1RN) connector AA/6H.

DIR-CIDS (101RH) connector AB/H2 and the AMU (1RN) connector AA/6J (Ref. ASM 23-73/02).

EFF: 201-225, 227-227, 229-299, 426-499, 503-549, 551-599,

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- 1 If the fault continues:
 - do the trouble shooting procedures for the Audio Management System (AMU) (Ref. TASK 23-51-00-810-835).

**ON A/C 701-749,

- **B.** If the CIDS BITE test result is no fault message, but an announcement is not possible:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open.
 - close these CBs:
 - 49VU: 150RH CIDS/DIR 1 & 2/ESS,
 - 121VU: 151RH CIDS/DIR 1 & 2/NORM.
 - stop for approx. 120s,
 - make an announcement again.
 - (1) If an announcement is possible:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If an announcement is not possible:
 - replace the cockpit boomset/mike.
 - (a) If the fault continues:
 - do a check and repair the wiring if necessary between the: DIR-CIDS (101RH) connector AB/A1 and the AMU (1RN) connector AA/7E,
 - DIR-CIDS (101RH) connector AB/B1 and the AMU (1RN) connector AA/7D,
 - DIR-CIDS (101RH) connector AB/J1 and the AMU (1RN) connector AA/7A,
 - DIR-CIDS (101RH) connector AB/K1 and the AMU (1RN) connector AA/7B,
 - DIR-CIDS (101RH) connector AB/E1 and the AMU (1RN) connector $\Delta\Delta/7F_{-}$
 - DIR-CIDS (101RH) connector AB/A2 and the AMU (1RN) connector AA/6B,
 - DIR-CIDS (101RH) connector AB/B2 and the AMU (1RN) connector AA/6A,
 - DIR-CIDS (101RH) connector AB/D2 and the AMU (1RN) connector AA/6D,
 - DIR-CIDS (101RH) connector AB/E2 and the AMU (1RN) connector AA/6E,
 - DIR-CIDS (101RH) connector AB/F2 and the AMU (1RN) connector AA/6F,
 - DIR-CIDS (101RH) connector AB/G2 and the AMU (1RN) connector AA/6H,
 - DIR-CIDS (101RH) connector AB/H2 and the AMU (1RN) connector AA/6J (Ref. ASM 23-73/02).

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1 If the fault continues:

 do the trouble shooting procedures for the Audio Management System (AMU) (Ref. TASK 23-51-00-810-835).

**ON A/C ALL

R

C. Install the removed DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).

D. Do the test given in Para. 3.A.

EFF: ALL

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TASK 23-73-00-810-863

PA - No PA from cockpit handset

1. Possible Causes

- DIR-CIDS, 1 (101RH)
- cockpit handset
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-51-00-740-002 23-73-00-710-005 23-73-00-710-022 23-73-00-740-005	BITE Test of the Audio System Operational test of the Passenger Address (PA) system Operational test of the Passenger Address (PA) system BITE-test of the Cabin Intercommunication Data System
AMM	23-73-34-000-001 23-73-34-400-001 23-73/02	(CIDS) through the CFDS Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH)

3. Fault Confirmation

R **ON A/C 201-225, 227-227, 229-275, 426-475, 551-599, 701-749,

A. Test

- (1) Do the BITE test of the AMU & ACP (Ref. AMM TASK 23-51-00-740-002).
- (2) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
- (3) Do the operational test of the Passenger Address (PA) system (Ref. AMM TASK 23-73-00-710-005).

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

A. Test

- (1) Do the BITE test of the AMU & ACP (Ref. AMM TASK 23-51-00-740-002).
- (2) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).

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(3) Do the operational test of the Passenger Address (PA) system (Ref. AMM TASK 23-73-00-710-022).

**ON A/C ALL

4. Fault Isolation

A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,

- B. If the CIDS BITE test result is no fault message, but an announcement is not possible:
 - make sure that at least one cabin door is open,
 - open these CBs:

49VU: 150RH (GO1) COM DIR ESS/1

49VU: 157RH (GO2) COM DIR ESS/2

121VU:151RH (MO6) CIDS/DIR NORM/1

- 121VU:156RH (MO7) CIDS/DIR NORM/2,
- wait for approx. 10 s and close the CBs 156RH and 157RH.
- stop for approx. 120 s,
- make an announcement again.
- (1) If an announcement is possible:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If an announcement is not possible:
 - replace the cockpit handset.
 - (a) If the fault continues:
 - do a check and repair the wiring between the:

DIR-CIDS (101RH) connector AB/J2 and the COCKPIT HANDSET (130RH) connector A/1,

DIR-CIDS (101RH) connector AB/K2 and the COCKPIT HANDSET (130RH) connector A/2,

DIR-CIDS (101RH) connector AB/C1 and the COCKPIT HANDSET (130RH) connector A/4,

DIR-CIDS (101RH) connector AB/D1 and the COCKPIT HANDSET (130RH) connector A/5,

DIR-CIDS (101RH) connector AB/G1 and the COCKPIT HANDSET (130RH) connector A/6,

DIR-CIDS (101RH) connector AB/H1 and the COCKPIT HANDSET (130RH) connector A/7,

DIR-CIDS (101RH) connector screen and GND,

COCKPIT HANDSET (130RH) connector 3 and DIR-CIDS (101RH) connector screen (Ref. ASM 23-73/02).

EFF: ALL

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R **ON A/C 227-227, 229-275, 426-450,

- **B.** If the CIDS BITE test result is no fault message, but an announcement is not possible:
 - make sure that at least one cabin door is open,
 - open these CBs:

49VU: 150RH (GO1) COM DIR ESS/1

49VU: 157RH (GO2) COM DIR ESS/2

121VU:151RH (M05) CIDS/DIR NORM/1

121VU:156RH (M06) CIDS/DIR NORM/2

- wait for approx. 10 s and close the CBs 156RH and 157RH.
- stop for approx. 120 s,
- make an announcement again.
- (1) If an announcement is possible:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If an announcement is not possible:
 - replace the cockpit handset.
 - (a) If the fault continues:
 - do a check and repair the wiring between the:

DIR-CIDS (101RH) connector AB/J2 and the COCKPIT HANDSET (130RH) connector A/1,

DIR-CIDS (101RH) connector AB/K2 and the COCKPIT HANDSET (130RH) connector A/2,

DIR-CIDS (101RH) connector AB/C1 and the COCKPIT HANDSET (130RH) connector A/4,

DIR-CIDS (101RH) connector AB/D1 and the COCKPIT HANDSET (130RH) connector A/5,

DIR-CIDS (101RH) connector AB/G1 and the COCKPIT HANDSET (130RH) connector A/6,

DIR-CIDS (101RH) connector AB/H1 and the COCKPIT HANDSET (130RH) connector A/7,

DIR-CIDS (101RH) connector screen and GND,

COCKPIT HANDSET (130RH) connector 3 and DIR-CIDS (101RH) connector screen (Ref. ASM 23-73/02).

**ON A/C 701-749,

- B. If the CIDS BITE test result is no fault message, but an announcement is not possible:
 - remove DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001).
 - make sure that at least one cabin door is open.
 - close these CBs:

49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS

121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,

227-227, 229-275, 426-450, 701-749,

- stop for approx. 120 s,
- make an announcement again.

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EFF:

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- (1) If an announcement is possible:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If an announcement is not possible:
 - replace the cockpit handset.
 - (a) If the fault continues:
 - do a check and repair the wiring between the:
 DIR-CIDS (101RH) connector AB/J2 and the COCKPIT HANDSET (130RH) connector A/1,
 - DIR-CIDS (101RH) connector AB/K2 and the COCKPIT HANDSET (130RH) connector A/2,
 - DIR-CIDS (101RH) connector AB/C1 and the COCKPIT HANDSET (130RH) connector A/4,
 - DIR-CIDS (101RH) connector AB/D1 and the COCKPIT HANDSET (130RH) connector A/5,
 - DIR-CIDS (101RH) connector AB/G1 and the COCKPIT HANDSET (130RH) connector A/6,
 - DIR-CIDS (101RH) connector AB/H1 and the COCKPIT HANDSET (130RH) connector A/7,
 - DIR-CIDS (101RH) connector screen and GND,
 - COCKPIT HANDSET (130RH) connector 3 and DIR-CIDS (101RH) connector screen (Ref. ASM 23-73/02).

**ON A/C ALL

- C. Install the removed DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- D. Do the test given in Para. 3.A.

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TASK 23-73-00-810-864

PA - No PA and cabin interphone from one cabin handset

1. Possible Causes

- DIR-CIDS, 1 (101RH)
- DEU-B 300RHx
- handset 330RHx
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-710-003	Operational test of the Cabin and Flight Crew Interphone System
AMM AMM	23-73-00-710-005 23-73-00-740-005	Operational test of the Passenger Address (PA) system BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM AMM	23-73-34-000-001 23-73-34-400-001 23-73-44-000-001	Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH) Removal of the Handset/Cradle (330RH,332RH)
AMM AMM AMM	23-73-44-400-001 23-73-47-000-001 23-73-47-400-001	Installation of the Handset/Cradle (330RH,332RH) Removal of the Decoder/Encoder Unit B (300RH) Installation of the Decoder/Encoder Unit B (300RH)
ASM ASM	23-73/10 23-73/11	

3. Fault Confirmation

A. Test

- (1) Do the CIDS BITE test through the CFDS. (Ref. AMM TASK 23-73-00-740-005)
- (2) Do the operational test of the Passenger Address (PA) system. (Ref. AMM TASK 23-73-00-710-005)
- (3) Do the operational test of the Cabin and Flight Crew Interphone system. (Ref. AMM TASK 23-73-00-710-003)

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4. Fault Isolation

A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,

- **B.** If there is no maintenance message, but there is a fault in one or both of the operational tests:
 - replace the related DEU-B 300RHx (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).
 - (1) If the fault continues:
 - replace the related handset 330RHx (Ref. AMM TASK 23-73-44-000-001) and (Ref. AMM TASK 23-73-44-400-001).
 - (a) If the fault continues:
 - make sure that at least one cabin door is open.
 - open these CBs:

49VU: 150RH (G01) COM DIR ESS/1 49VU: 157RH (G02) COM DIR ESS/2 121VU:151RH (M06) CIDS/DIR NORM/1 121VU:156RH (M07) CIDS/DIR NORM/2

- wait for approx. 10s
- stop for approx. 120s
- close the CBs 156RH and 157RH
- do the operational tests again
- 1 If the tests are OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- 2 If the fault continues:
 - do a check and repair the wiring between the related: DEU-B 300RHx connector C/4 and HANDSET 330RHx connector A/1, DEU-B 300RHx connector C/5 and HANDSET 330RHx connector A/2, DEU-B 300RHx connector C/1 and HANDSET 330RHx connector A/4, DEU-B 300RHx connector C/2 and HANDSET 330RHx connector A/5, DEU-B 300RHx connector C/6 and HANDSET 330RHx connector A/6, DEU-B 300RHx connector C/7 and HANDSET 330RHx connector A/7 (Ref. ASM 23-73/10) and (Ref. ASM 23-73/11).
- R **ON A/C 227-227, 229-275, 426-450,
 - **B.** If there is no maintenance message, but there is a fault in one or both of the operational tests:

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- replace the related DEU-B 300RHx (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).

EFF: ALL

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- (1) If the fault continues:
 - replace the related handset 330RHx (Ref. AMM TASK 23-73-44-000-001)
 and (Ref. AMM TASK 23-73-44-400-001).
 - (a) If the fault continues:
 - make sure that at least one cabin door is open.
 - open these CBs:

49VU: 150RH (GO1) COM DIR ESS/1 49VU: 157RH (GO2) COM DIR ESS/2 121VU:151RH (MO5) CIDS/DIR NORM/1 121VU:156RH (MO6) CIDS/DIR NORM/2

- wait for approx. 10s
- close the CBs 156RH and 157RH
- do the operational tests again
- 1 If the tests are OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- 2 If the fault continues:
 - do a check and repair the wiring between the related: DEU-B 300RHx connector C/4 and HANDSET 330RHx connector A/1, DEU-B 300RHx connector C/5 and HANDSET 330RHx connector A/2, DEU-B 300RHx connector C/1 and HANDSET 330RHx connector A/4, DEU-B 300RHx connector C/2 and HANDSET 330RHx connector A/5, DEU-B 300RHx connector C/6 and HANDSET 330RHx connector A/6, DEU-B 300RHx connector C/7 and HANDSET 330RHx connector A/7 (Ref. ASM 23-73/10) and (Ref. ASM 23-73/11).

**ON A/C 701-749,

- B. If there is no maintenance message, but there is a fault in one or both of the operational tests:
 - replace the related DEU-B 300RHx (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).
 - (1) If the fault continues:
 - replace the related handset 330RHx (Ref. AMM TASK 23-73-44-000-001) and (Ref. AMM TASK 23-73-44-400-001).
 - (a) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001).
 - make sure that at least one cabin door is open.
 - close these CBs:

49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS 121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,

- stop for approx. 120 s,
- do the operational tests again.

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- 1 If the tests are OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- 2 If the fault continues:
 - do a check and repair the wiring between the related: DEU-B 300RHx connector C/4 and HANDSET 330RHx connector A/1, DEU-B 300RHx connector C/5 and HANDSET 330RHx connector A/2, DEU-B 300RHx connector C/1 and HANDSET 330RHx connector A/4, DEU-B 300RHx connector C/2 and HANDSET 330RHx connector A/5, DEU-B 300RHx connector C/6 and HANDSET 330RHx connector A/6, DEU-B 300RHx connector C/7 and HANDSET 330RHx connector A/7 (Ref. ASM 23-73/10) and (Ref. ASM 23-73/11).

**ON A/C ALL

C. Do the test given in Para. 3.A.

EFF: ALL
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TASK 23-73-00-810-865

PA - No PA and cabin interphone from two and more cabin handsets

- 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - DEU-B 300RHx
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
A M M	23-73-00-710-003	Occasional test of the Cabin and Elight Conv
AMM	25-75-00-710-005	Operational test of the Cabin and Flight Crew Interphone System
AMM	23-73-00-710-005	Operational test of the Passenger Address (PA) system
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM	23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH, 102RH)
AMM	23-73-47-000-001	Removal of the Decoder/Encoder Unit B (300RH)
AMM	23-73-47-400-001	Installation of the Decoder/Encoder Unit B (300RH)

3. Fault Confirmation

- A. Test
 - (1) Do the CIDS BITE test through the CFDS. (Ref. AMM TASK 23-73-00-740-005)
 - (2) Do the operational test of the Passenger Address (PA) system. (Ref. AMM TASK 23-73-00-710-005)
 - (3) Do the operational test of the Cabin and Flight Crew Interphone system.

(Ref. AMM TASK 23-73-00-710-003)

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4. Fault Isolation

A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,

- B. If there is no maintenance message, but there is a fault in one or both of the operational tests for two or more handsets:
 - make sure that at least one cabin door is open.
 - open these CBs:
 - 49VU: 150RH (GO1) COM DIR ESS/1
 - 49VU: 157RH (GO2) COM DIR ESS/2
 - 121VU:151RH (MO6) CIDS/DIR NORM/1
 - 121VU: 156RH (MO7) CIDS/DIR NORM/2,
 - wait for approx. 10 s and close the CBs 156RH and 157RH.
 - stop for approx. 120 s,
 - do the operational tests again.
 - (1) If the tests are OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If the fault continues:
 - replace the related DEU-B 300RHx (Ref. AMM TASK 23-73-47-000-001)
 and (Ref. AMM TASK 23-73-47-400-001).
- R **ON A/C 227-227, 229-275, 426-450,
 - **B.** If there is no maintenance message, but there is a fault in one or both of the operational tests for two or more handsets:
 - make sure that at least one cabin door is open.
 - open these CBs:
 - 49VU: 150RH (GO1) COM DIR ESS/1
 - 49VU: 157RH (GO2) COM DIR ESS/2
 - 121VU:151RH (MO5) CIDS/DIR NORM/1
 - 121VU:156RH (MO6) CIDS/DIR NORM/2
 - wait for approx. 10 s and close the CBs 156RH and 157RH.
 - stop for approx. 120 s,
 - do the operational tests again.
 - (1) If the tests are OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If the fault continues:
 - replace the related DEU-B 300RHx (Ref. AMM TASK 23-73-47-000-001)
 and (Ref. AMM TASK 23-73-47-400-001).

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**ON A/C 701-749,

- B. If there is no maintenance message, but there is a fault in one or both of the operational tests for two or more handsets:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open.
 - close these CBs:
 - 49VU: 150RH (G02) CIDS/DIR 1 & 2/ESS
 - 121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,
 - stop for approx. 120 s,
 - do the operational tests again.
 - (1) If the tests are OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If the fault continues:
 - replace the related DEU-B 300RHx (Ref. AMM TASK 23-73-47-000-001)
 and (Ref. AMM TASK 23-73-47-400-001).

**ON A/C ALL

- C. Install the removed DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- D. Do the test given in Para. 3.A.

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TASK 23-73-00-810-866

- R FAP No control of the CIDS cabin systems
 - 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - ATTENDANT PANEL-FORWARD (120RH)
 - Light Module
 - Audio Module
 - Miscellaneous Module
 - 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
23-73-00-810-838 AMM 23-73-12-000-002 AMM 23-73-12-000-003 AMM 23-73-12-000-005 AMM 23-73-12-400-002 AMM 23-73-12-400-003 AMM 23-73-12-400-004 AMM 23-73-12-400-004 AMM 23-73-12-400-005 AMM 23-73-34-000-001 AMM 23-73-34-400-001	FAP - Fault in the Forward Attendant Panel Removal of the Forward Attendant Panel (120RH) Removal of the Light Module Removal of the Audio Module Removal of the Miscellaneous Module Installation of the Forward Attendant Panel (120RH) Installation of the Light Module Installation of the Audio Module Installation of the Miscellaneous Module Removal of the CIDS Director (101RH, 102RH) Installation of the CIDS Director (101RH, 102RH)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the FAP test through the CFDS.
 - (2) Use the FAP to control some systems controlled through the FAP.
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - B. If the CFDS gives the maintenance message FWD ATTND PNL 120RH:
 do the trouble shooting for CFDS maintenance message FWD ATTND PNL 120RH (Ref. TASK 23-73-00-810-838).

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- C. If the CFDS gives no FWD ATTND PNL 120RH fault message and you cannot control the FAP controlled systems through the FAP:
 - make sure, which FAP module is effected.
 - (1) If all FAP modules are effected:
 - replace the ATTENDANT PANEL-FORWARD (120RH) (Ref. AMM TASK 23-73-12-000-002) and (Ref. AMM TASK 23-73-12-400-002).
 - (2) If not all FAP modules are effected:
 - locate the faulty FAP Module
 - (a) If the Light Module is faulty:
 - replace the Light Module (Ref. AMM TASK 23-73-12-000-003) and (Ref. AMM TASK 23-73-12-400-003).
 - 1 If the fault continues:
 - replace the ATTENDANT PANEL-FORWARD (120RH) (Ref. AMM TASK 23-73-12-000-002) and (Ref. AMM TASK 23-73-12-400-002).
 - (b) If the Audio Module is faulty:
 - replace the Audio Module (Ref. AMM TASK 23-73-12-000-004) and (Ref. AMM TASK 23-73-12-400-004).
 - 1 If the fault continues:
 - replace the ATTENDANT PANEL-FORWARD (120RH) (Ref. AMM TASK 23-73-12-000-002) and (Ref. AMM TASK 23-73-12-400-002).
 - (c) If the Miscellaneous Module is faulty:
 - replace the Miscellaneous Module (Ref. AMM TASK 23-73-12-000-005) and (Ref. AMM TASK 23-73-12-400-005).
 - 1 If the fault continues:
 - replace the ATTENDANT PANEL-FORWARD (120RH) (Ref. AMM TASK 23-73-12-000-002) and (Ref. AMM TASK 23-73-12-400-002).
 - (3) 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).
- D. Do the test given in Para. 3.A.

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TASK 23-73-00-810-867

PTP - Fault on the Programming and Test Panel

- 1. Possible Causes
 - PROGRAMMING AND TEST PANEL (110RH)
 - DIR-CIDS, 1 (101RH)
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
R R	AMM	3-00-810-856 23-73-18-000-001 23-73-18-400-001	PTP - Fault in the Programming and Test Panel Removal of the Programming and Test Panel (110RH) Installation of the Programming and Test Panel (110RH)	
R		23-73-34-000-001 23-73-34-400-001	Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH)	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the PTP test through the CFDS.
 - (2) Use the PTP to control some system statuses, tests and programming.
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - B. If the CFDS gives the maintenance message P & T PNL 110RH:
 do the trouble shooting for the CFDS maintenance message P & T PNL 110RH (Ref. TASK 23-73-00-810-856).
 - C. If the CFDS gives no P & T PNL fault message and you cannot control the PTP controlled system tests through the PTP:
 - replace the PROGRAMMING AND TEST PANEL (110RH) (Ref. AMM TASK 23-73-18-000-001) and (Ref. AMM TASK 23-73-18-400-001).
 - (1) 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).
 - D. Do the test given in Para. 3.A.

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TASK 23-73-00-810-868

- R AAP No control of the CIDS cabin systems
 - 1. Possible Causes
 - ATTENDANT PANEL-AFT (126RH)
 - DEU-B (300RH5)
 - wiring
 - Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
23-73-00-810-878 AMM 23-73-13-000-001 AMM 23-73-13-400-001	AAP - Fault in the AAP (126RH) Removal of the Aft/Additional Attendant Panel (126RH) Installation of the Aft/Additional Attendant Panel (126RH)
AMM 23-73-47-000-001 AMM 23-73-47-400-001 ASM 23-73/10	Removal of the Decoder/Encoder Unit B (300RH) Installation of the Decoder/Encoder Unit B (300RH)

- 3. Fault Confirmation
 - A. Test

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- (1) Do the CIDS BITE test through the CFDS.
- (2) Use the AAP to control some system controlled through the AAP.
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - B. If the CFDS gives the maintenance message ATTND PNL AFT (126RH): - do the trouble shooting for the CFDS maintenance message ATTND PNL AFT (126RH)(Ref. TASK 23-73-00-810-878).
 - C. If the CFDS gives no ATTND PNL AFT fault message and you cannot control the AAP controlled system through the AAP:
 - replace the ATTENDANT PANEL-AFT (126RH) (Ref. AMM TASK 23-73-13-000-001) and (Ref. AMM TASK 23-73-13-400-001).
 - (1) If the fault continues:
 - replace the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).

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- (2) If the fault continues:
 - check and repair if necessary the wiring between the:
 DEU-B 300RH5 conn. C/11 and AAP 126RH conn. A/11,
 DEU-B 300RH5 conn. C/9 and AAP 126RH conn. A/24,
 DEU-B 300RH5 conn. C/13 and AAP 126RH conn. A/10,
 DEU-B 300RH5 conn. C/45 and AAP 126RH conn. A/9,
 (Ref. ASM 23-73/10).
- D. Do the test given in Para. 3.A.

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TASK 23-73-00-810-869

Cockpit switches - No reaction from CIDS-related cockpit switches

1. Possible Causes

- DIR-CIDS, 1 (101RH)
- wiring
- SEAT BELTS (191RH) switch
- NO SMOKING (190RH) switch
- CALLS/FWD (181RH1) switch
- CALLS/AFT (181RH2) switch
- CALLS/ALL (181RH3) switch
- CALLS/EXIT (181RH4) switch
- CALLS/MID (181RH5) switch
- CALLS/EMER CALL (180RH) switch

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM	23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH,102RH)
ASM	23-73/02	
ASM	23-73/02	

3. Fault Confirmation

R **ON A/C 201-225, 227-227, 229-275, 426-475, 551-599, 701-749,

A. Test

- (1) Do the CIDS BITE test through the CFDS. (Ref. AMM TASK 23-73-00-740-005)
- (2) In the cockpit, on the overhead panel 25VU:
 - set the SEAT BELTS switch (191RH) to ON,
 - set the NO SMOKING switch (190RH) to ON.
- (3) In the cockpit, on the overhead panel 21VU:
 - push the EMER CALL pushbutton switch (180RH),

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- push the FWD pushbutton switch (181RH1),
- push the AFT pushbutton switch (181RH2).

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

A. Test

R (1) Do the CIDS BITE test through the CFDS. (Ref. AMM TASK 23-73-00-740-005) (2) In the cockpit, on the overhead panel 25VU: R - set the SEAT BELTS switch (191RH) to ON, R - set the NO SMOKING switch (190RH) to ON. R (3) In the cockpit, on the overhead panel 21VU: R - push the EMER CALL pushbutton switch (180RH), - push the FWD pushbutton switch (181RH1), R - push the AFT pushbutton switch (181RH2), R R - push the ALL pushbutton switch (181RH3), - push the EXIT pushbutton switch (181RH4), R R - push the MID pushbutton switch (181RH5).

**ON A/C ALL

4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If there is no reaction of all the CIDS related cockpit-switches in the cabin:
 - replace the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001) and (Ref. AMM TASK 23-73-34-400-001).

**ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,

- C. If no FASTEN SEAT BELT signs in the cabin come on:
 - make sure that at least one cabin door is open,
 - make sure that the SEAT BELTS (191RH) switch is in the ON position,
 - open these CBs:

49VU: 150RH (GO1) COM DIR ESS/1 49VU: 157RH (GO2) COM DIR ESS/2

121VU:151RH (MO6) CIDS/DIR NORM/1

- 121VU: 156RH (MO7) CIDS/DIR NORM/2,
- wait for approx. 10 s and close the CBs 156RH and 157RH,
- stop for approx. 120 s,
- check if the FASTEN SEAT BELT signs in the cabin come on.
- (1) If the test is OK:
 - install a new DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001).

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- (2) If the fault continues:
 - do a check and repair the wiring if necessary between the: DIR-CIDS connector AB/E15 and SEAT BELTS (191RH) switch, DIR-CIDS connector AB/D13 and SDAC1 (1WV1) connector AA/8G (Ref. ASM 23-73/02).
 - (a) If the fault continues:
 - replace the SEAT BELTS (191RH) switch.
- D. If no NO SMOKING signs in the cabin come on:
 - make sure that at least one cabin door is open,
 - make sure that the NO SMOKING (190RH) switch is in the ON position,
 - open these CBs:
 - 49VU: 150RH (GO1) COM DIR ESS/1
 - 49VU: 157RH (GO2) COM DIR ESS/2
 - 121VU:151RH (M06) CIDS/DIR NORM/1
 - 121VU:156RH (MO7) CIDS/DIR NORM/2,
 - wait for 10 s and close the CBs 156RH and 157RH,
 - stop for approx. 120 s,
 - check if the NO SMOKING signs in the cabin come on.
 - (1) If the test is OK:
 - install a new DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001).
 - (2) If the fault continues:
 - do a check and repair the wiring if necessary between the: DIR-CIDS 101RH connector AB/D15 and NO SMOKING (190RH) switch, DIR-CIDS 101RH connector AB/C13 and SDAC1 (1WV1) connector AA/7H (Ref. ASM 23-73/02).
 - (a) If the fault continues:
 - replace the NO SMOKING (190RH) switch.
- E. If there is no reaction of the AIPs, ACPs and the ATTND-loudspeakers in the cabin:
 - make sure that at least one cabin door is open,
 - open these CBs:
 - 49VU: 150RH (GO1) COM DIR ESS/1
 - 49VU: 157RH (GO2) COM DIR ESS/2
 - 121VU:151RH (MO6) CIDS/DIR NORM/1
 - 121VU:156RH (MO7) CIDS/DIR NORM/2,
 - wait for approx. 10 s and close the CBs 156RH and 157RH,
 - stop for approx. 120 s,
 - push all CALL pushbuttons on the cockpit overhead panel 21VU (CALLS) again,
 - check that each CALL pushbutton has an associated reaction in the cabin on the AIP, ACP and ATTND loudspeaker.
 - (1) If the test is OK:
 - install a new DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001).

EFF: 201-225, 276-299, 451-499, 503-549, 551-599, SROS

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- (2) If the fault continues:
 - do a check and repair the wiring if necessary between the: DIR-CIDS 101RH connector AB/3B and CALLS/FWD (181RH1) switch, DIR-CIDS 101RH connector AB/3C and CALLS/AFT (181RH2) switch, DIR-CIDS 101RH connector AB/3D and CALLS/ALL (181RH3) switch, DIR-CIDS 101RH connector AB/8K and CALLS/EXIT (181RH4) switch, DIR-CIDS 101RH connector AB/3E and CALLS/MID (181RH5) switch, DIR-CIDS 101RH connector AB/A3 and CALLS/EMER CALL (180RH) switch (Ref. ASM 23-73/02).
 - (a) If the fault continues:
 - replace the:
 CALLS/FWD (181RH1) switch,
 and/or
 CALLS/AFT (181RH2) switch
 and/or
 CALLS/ALL (181RH3) switch
 and/or
 CALLS/EXIT (181RH4) switch
 and/or
 CALLS/MID (181RH5) switch
 and/or
 CALLS/EMER CALL (180RH) switch.
- R **ON A/C 227-227, 229-275, 426-450,
 - C. If no FASTEN SEAT BELT signs in the cabin come on:
 - make sure that at least one cabin door is open,
 - make sure that the SEAT BELTS (191RH) switch is in the ON position,
 - open these CBs:
 - 49VU: 150RH (GO1) COM DIR ESS/1 49VU: 157RH (GO2) COM DIR ESS/2
 - 121VU: 151RH (MO5) CIDS/DIR NORM/1
 - 121VU: 156RH (MO6) CIDS/DIR NORM/2
 - wait for approx. 10 s and close the CBs 156RH and 157RH,
 - stop for approx. 120 s,
 - check if the FASTEN SEAT BELT signs in the cabin come on.
 - (1) If the test is OK:
 - install a new DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001).
 - (2) If the fault continues:
 - do a check and repair the wiring if necessary between the: DIR-CIDS connector AB/E15 and SEAT BELTS (191RH) switch, DIR-CIDS connector AB/D13 and SDAC1 (1WV1) connector AA/8G (Ref. ASM 23-73/02).
 - (a) If the fault continues:
 - replace the SEAT BELTS (191RH) switch.

EFF: 201-225, 227-227, 229-299, 426-499, 503-549, 551-599, SROS

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- D. If no NO SMOKING signs in the cabin come on:
 - make sure that at least one cabin door is open,
 - make sure that the NO SMOKING (190RH) switch is in the ON position,
 - open these CBs:

49VU: 150RH (G01) COM DIR ESS/1 49VU: 157RH (G02) COM DIR ESS/2

121VU:151RH (M05) CIDS/DIR NORM/1

121VU:156RH (M06) CIDS/DIR NORM/2

- wait for 10 s and close the CBs 156RH and 157RH,
- stop for approx. 120 s,
- check if the NO SMOKING signs in the cabin come on.
- (1) If the test is OK:
 - install a new DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001).
- (2) If the fault continues:
 - do a check and repair the wiring if necessary between the: DIR-CIDS 101RH connector AB/D15 and NO SMOKING (190RH) switch, DIR-CIDS 101RH connector AB/C13 and SDAC1 (1WV1) connector AA/7H (Ref. ASM 23-73/02).
 - (a) If the fault continues:
 - replace the NO SMOKING (190RH) switch.
- E. If there is no reaction of the AIPs, ACPs and the ATTND-loudspeakers in the cabin:
 - make sure that at least one cabin door is open,
 - open these CBs:

49VU: 150RH (GO1) COM DIR ESS/1

49VU: 157RH (GO2) COM DIR ESS/2

121VU:151RH (MO5) CIDS/DIR NORM/1

121VU:156RH (MO6) CIDS/DIR NORM/2

- wait for approx. 10 s and close the CBs 156RH and 157RH,
- stop for approx. 120 s,
- push all CALL pushbuttons on the cockpit overhead panel 21VU (CALLS) again,
- check that each CALL pushbutton has an associated reaction in the cabin on the AIP, ACP and ATTND loudspeaker.
- (1) If the test is OK:
 - install a new DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001).
- (2) If the fault continues:
 - do a check and repair the wiring if necessary between the: DIR-CIDS 101RH connector AB/3B and CALLS/FWD (181RH1) switch, DIR-CIDS 101RH connector AB/3C and CALLS/AFT (181RH2) switch, DIR-CIDS 101RH connector AB/3D and CALLS/ALL (181RH3) switch, DIR-CIDS 101RH connector AB/8K and CALLS/EXIT (181RH4) switch, DIR-CIDS 101RH connector AB/3E and CALLS/MID (181RH5) switch, DIR-CIDS 101RH connector AB/A3 and CALLS/EMER CALL (180RH) switch (Ref. ASM 23-73/02).

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(a) If the fault continues:

- replace the: CALLS/FWD (181RH1) switch, and/or CALLS/AFT (181RH2) switch and/or CALLS/ALL (181RH3) switch and/or CALLS/EXIT (181RH4) switch and/or CALLS/MID (181RH5) switch and/or CALLS/EMER CALL (180RH) switch.

**ON A/C 701-749,

- C. If no FASTEN SEAT BELT signs in the cabin come on:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open.
 - make sure that the SEAT BELTS (191RH) switch is in the ON position,
 - close these CBs:

49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS 121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,

- stop for approx. 120 s,
- check if the FASTEN SEAT BELT signs in the cabin come on.
- (1) If the test is OK:
 - install a new DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001).
- (2) If the fault continues:
 - do a check and repair the wiring if necessary between the: DIR-CIDS connector AB/E15 and SEAT BELTS (191RH) switch, DIR-CIDS connector AB/D13 and SDAC1 (1WV1) connector AA/8G (Ref. ASM 23-73/02).
 - (a) If the fault continues:
 - replace the SEAT BELTS (191RH) switch.
- D. If no NO SMOKING signs in the cabin come on:
 - make sure that at least one cabin door is open.
 - make sure that the NO SMOKING (190RH) switch is in the ON position,
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - close these CBs:

49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS 121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,

227-227, 229-275, 426-450, 701-749,

- stop for approx. 120 s,
- check if the No SMOKING signs in the cabin come on.
- (1) If the test is OK:
 - install a new DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001).

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EFF:

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- (2) If the fault continues:
 - do a check and repair the wiring if necessary between the: DIR-CIDS 101RH connector AB/D15 and NO SMOKING (190RH) switch, DIR-CIDS 101RH connector AB/C13 and SDAC1 (1WV1) connector AA/7H (Ref. ASM 23-73/02).
 - (a) If the fault continues:
- replace the NO SMOKING (190RH) switch.
- E. If there is no reaction of the AIPs, ACPs and the ATTND-loudspeakers in the cabin:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:
 - 49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS 121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,
 - stop for approx. 120 s,
 - push all CALL pushbuttons on the cockpit overhead panel 21VU (CALLS) again,
 - check that each CALL pushbutton has an associated reaction in the cabin on the AIP, ACP and ATTND loudspeaker.
 - (1) If the test is OK:
 - install a new DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001).
 - (2) If the fault continues:
 - do a check and repair the wiring if necessary between the: DIR-CIDS 101RH connector AB/B3 and CALLS/FWD (181RH1) switch, DIR-CIDS 101RH connector AB/C3 and CALLS/AFT (181RH2) switch, DIR-CIDS 101RH connector AB/A3 and CALLS/EMER CALL (180RH) switch (Ref. ASM 23-73/02).
 - (a) If the fault continues:
 - replace the: CALLS/FWD (181RH1) switch and/or CALLS/AFT (181RH2) switch and/or CALLS/EMER CALL (180RH) switch.
- R **ON A/C 201-225, 227-227, 229-275, 426-475, 551-599, 701-749,
 - F. Install the removed DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).

**ON A/C ALL

G. Do the test given in Para. 3.A.

EFF: ALL **SROS**

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TASK 23-73-00-810-870

- R ACP No indication on one Area Call Panel
 - 1. Possible Causes
 - lamp
 - DEU-B 300RH
 - ACP 340RHx
 - wiring
 - 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM	23-73-11-000-001	Removal of the Area Call Panel (340RH)
AMM	23-73-11-400-001	Installation of the Area Call Panel (340RH)
AMM	23-73-47-000-001	Removal of the Decoder/Encoder Unit B (300RH)
AMM	23-73-47-400-001	Installation of the Decoder/Encoder Unit B (300RH)
ASM	23-73/10	
ASM	23-73/11	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
 - (2) Do the CIDS1/AREA CALL PANELS test through the CFDS.

EFF: ALL 23-73-00

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4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- R **ON A/C 201-225, 227-227, 229-253, 276-299, 426-450, 476-499, 503-549, R 551-599, 701-749,
 - B. If the CIDS BITE test result is no fault message, but there is a fault in the related ACP:
 - replace the related lamp.
 - (1) If the fault continues:
 - operate the ACPs through the CFDS1/AREA CALL PANELS test,
 - do a check for 28 VDC at the related DEU-B 300RHx connector B1,B2,B3,B4,B9, B10,B11 and B12 (Ref. ASM 23-73/10).
 - (a) If there is no 28 VDC at one connector:
 - replace the related DEU-B 300RH (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).
 - (b) If there is 28 VDC at every connector:
 - replace the related ACP 340RHx (Ref. AMM TASK 23-73-11-000-001)
 and (Ref. AMM TASK 23-73-11-400-001).
 - 1 If the fault continues:
 - do a check and repair the wiring between the: DEU-B 300RHx connector B/1(9) and ACP 340RHx pin 1, DEU-B 300RHx connector B/2(10) and ACP 340RHx pin 2, DEU-B 300RHx connector B/3(11) and ACP 340RHx pin 3, DEU-B 300RHx connector B/4(12) and ACP 340RHx pin 4, ACP 340RHx pin 5 and GND (Ref. ASM 23-73/10) and (Ref. ASM 23-73/11).

**ON A/C 254-275, 451-475,

- **B.** If the CIDS BITE test result is no fault message, but there is a fault in the related ACP:
 - replace the related ACP 340RHx (Ref. AMM TASK 23-73-11-000-001) and (Ref. AMM TASK 23-73-11-400-001).
 - (1) If the fault continues:
 - operate the ACPs through the CFDS1/AREA CALL PANELS test,
 - do a check for 28 VDC at the related DEU-B 300RHx connector B1,B2,B3,B4,B9, B10,B11 and B12 (Ref. ASM 23-73/10).
 - (a) If there is no 28 VDC at one connector:
 - replace the related DEU-B 300RH (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).

EFF: ALL

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(b) If there is 28 VDC at every connector:
 - do a check and repair the wiring between the:
 DEU-B 300RHx connector B/1(9) and ACP 340RHx pin 1,
 DEU-B 300RHx connector B/2(10) and ACP 340RHx pin 2,
 DEU-B 300RHx connector B/3(11) and ACP 340RHx pin 3,
 DEU-B 300RHx connector B/4(12) and ACP 340RHx pin 4,
 ACP 340RHx pin 5 and GND (Ref. ASM 23-73/10) and (Ref. ASM 23-73/11).

**ON A/C ALL

C. Do the test given in Para. 3.A.

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-871

AIP - Incorrect Indication or no Indication on one Attendant Indication Panel

1. Possible Causes

- AIP (320RHxx)
- 300RHxx
- wiring

2. Job Set-up Information

A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS	
R	AMM	23-73-22-000-001	Removal of the Attendant Indication Panel (320RH,321RH,322RH)	
R	AMM	23-73-22-400-001	<pre>Installation of the Attendant Indication Panel (320RH,321RH,322RH)</pre>	
		23-73-47-000-001 23-73-47-400-001 23-73/06	Removal of the Decoder/Encoder Unit B (300RH) Installation of the Decoder/Encoder Unit B (300RH)	

3. Fault Confirmation

A. Test

- (1) Open these CBs:
 - 49VU: 153RH CIDS/DEU B/ESS
 - 121VU:162RH CIDS/DEU B/NORM,
- (2) Wait for 10 s and close the CBs 153RH and 162RH.
- (3) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
- (4) Examine the related AIP for an incorrect indication or no indication.

EFF: ALL 23-73-00

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4. Fault Isolation

R

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If there is no maintenance message, but there is a fault in the AIP: - replace the related AIP (320RHxx) (Ref. AMM TASK 23-73-22-000-001) and (Ref. AMM TASK 23-73-22-400-001).
 - (1) If the fault continues:
 - replace the related 300RHxx (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001) (Ref. ASM 23-73/06).
 - (a) If the fault continues:
 - do a check of the wiring between: the related DEU-B (300RHxx) connector C/15 and the AIP (320RHxx) connector A/4, the related DEU-B (300RHxx) connector C/16 and the AIP (320RHxx) connector A/5, (Ref. ASM 23-73/06).
- C. Do the test given in Para. 3.A.

EFF: ALL 23-73-00

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TASK 23-73-00-810-872

PA - No audio signals from one or two loudspeakers in series

1. Possible Causes

- loudspeakers
- DEU-A (200RHxx)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM	23-73-46-000-001	Removal of the Decoder/Encoder Unit A (200RH)
AMM	23-73-46-400-001	Installation of the Decoder/Encoder Unit A (200RH)
AMM	23-73-51-000-001	Removal of the Loudspeaker
AMM	23-73-51-400-002	Installation of the Loudspeaker
ASM	23-73/13	
ASM	23-73/14	
ASM	23-73/15	
ASM	23-73/16	

3. Fault Confirmation

A. Test

- (1) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
- (2) Do the CIDS1 LOUDSPEAKER test through the CFDS.

EFF: ALL 23-73-00

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4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If there is no maintenance message, but there is a fault in one or two loudspeakers in series:
 - replace the related loudspeakers (Ref. AMM TASK 23-73-51-000-001) and (Ref. AMM TASK 23-73-51-400-002).
 - (1) If the fault continues:
 - replace the related DEU-A (200RHxx) (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring between the:
 DEU-A 200RHxx connector C/5 and loudspeaker,
 DEU-A 200RHxx connector C/6 and loudspeaker,
 or
 DEU-A 200RHxx connector C/3 and loudspeaker,
 DEU-A 200RHxx connector C/4 and loudspeaker,
 or
 DEU-A 200RHxx connector C/1 and loudspeaker,
 or
 DEU-A 200RHxx connector C/1 and loudspeaker,
 DEU-A 200RHxx connector C/2 and loudspeaker (Ref. ASM 23-73/13), (Ref. ASM 23-73/14), (Ref. ASM 23-73/15) and (Ref. ASM 23-73/16).
- C. Do the test given in 3.A.

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EFF:

ALL

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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 23-73-00-810-873

Sign - Info sign at one PSIU does not come on

- 1. Possible Causes
 - lamps
 - LIGHT PNL
 - DEU-A
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM	23-73-46-000-001	Removal of the Decoder/Encoder Unit A (200RH)
AMM	23-73-46-400-001	Installation of the Decoder/Encoder Unit A (200RH)
AMM	23-73-63-000-001	Removal of the No Smoking/Fasten Seat Belt sign from the Passenger Service Information Unit and the C/B panels 2000VU/2001VU
AMM	23-73-63-400-001	Installation of the No Smoking/Fasten Seat Belt sign in the Passenger Service Information Unit and the C/B panels 2000VU/2001VU
ASM	23-73/13	·
ASM	23-73/14	
ASM	23-73/15	
ASM	23-73/16	

3. Fault Confirmation

A. Test

(1) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).

NOTE: An erroneous class 3 fault message will be recorded for each LED info sign (without bulbs), if the test of the related signs is not deactivated in the CAM.

- (2) In the cockpit, on the overhead panel 25VU (SIGNS):
 - set the NO SMOKING (190RH) switch to ON,
 - set the FASTEN SEAT BELT (191RH) switch to ON.

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

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4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the related NS/FSB info signs do not come on:
 - do a check for 28 VDC at the related LIGHT PNL pins 1 and 3 (Ref. ASM 23-73/13) (Ref. ASM 23-73/14), (Ref. ASM 23-73/15) and (Ref. ASM 23-73/16).
 - (1) If there is approx. 28 VDC and the related NS/FSB sign has lamps: - replace the related lamps.
 - (a) If the fault continues:
 - replace the LIGHT PNL (Ref. AMM TASK 23-73-63-000-001) and (Ref. AMM TASK 23-73-63-400-001).
 - (2) If there is no 28 VDC:
 - replace the related DEU-A (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring between the related: LIGHT PNL pin 1 and DEU-A connector C/22,C/24 or C/26, LIGHT PNL pin 2 and DEU-A connector C/18,C/19 or C/20, LIGHT PNL pin 3 and DEU-A connector C/21,C/23 or C/25 (Ref. ASM 23-73/13) (Ref. ASM 23-73/14), (Ref. ASM 23-73/16).
- C. Do the test given in Para. 3.A.

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 23-73-00-810-874

- R Sign Info signs in series on one cabin side do not come on
 - 1. Possible Causes
 - DEU-A (200RHxx)
 - 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
	23-73-46-000-001 23-73-46-400-001	Removal of the Decoder/Encoder Unit A (200RH) Installation of the Decoder/Encoder Unit A (200RH)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).

NOTE: An erroneous class 3 fault will be recorded for each LED info sign (without bulbs), if the test of the related signs is not deactivated in the CAM.

- (2) On the cockpit overhead panel 25VU:
 - set the NO SMOKING (190RH) switch to ON,
 - set the FASTEN SEAT BELT (191RH) switch to ON.

4. Fault Isolation

SROS

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the NS/FSB info signs at two or three PSIUs in series on one cabin side does not come on:
 - replace the related DEU-A (200RHxx) (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).
- C. Do the test given in Para. 3.A.

EFF: ALL

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TASK 23-73-00-810-875

PSIU - No Pax Call from one PSIU

- 1. Possible Causes
 - PCB 2038VUA
 - DEU-A
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE 		DESIGNATION	
R			PSIU - No Pax Call from two or three PSIUs in series	
R	AMM	23-73-00-710-007	Operational test of the passenger call system	
	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS	
	AMM	23-73-46-000-001	Removal of the Decoder/Encoder Unit A (200RH)	
	AMM	23-73-46-400-001	Installation of the Decoder/Encoder Unit A (200RH)	
	AMM	23-73-49-000-001	Removal of the Printed Circuit Board	
	AMM	23-73-49-400-001	Installation of the Printed Circuit Board	
	ASM	23-73/13		

- 3. Fault Confirmation
 - A. Test

SROS

- (1) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
- (2) Do the operational test of the passenger call system (Ref. AMM TASK 23-73-00-710-007).

EFF: ALL 23-73-00

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4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the test shows a fault in one PSIU:
 - replace the PCB 2038VUA (Ref. AMM TASK 23-73-49-000-001) and (Ref. AMM TASK 23-73-49-400-001).
 - (1) If the fault continues:
 - replace the related DEU-A (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring between the related: PCB 2038VUA connector 7003VC-A/D and DEU-A connector C/8,C/10 or C/12, PCB 2038VUA connector 7003VC-A/B and DEU-A connector C/7,C/9 or C/11, PCB 2038VUA connector 7003VC-A/C and DEU-A connector C/18,C/19
 - PCB 2038VUA connector 7003VC-A/C and DEU-A connector C/18,C/19 or C/20 (Ref. ASM 23-73/13).
- C. If the test shows a fault in two or three PSIUs in series on one cabin side:
 - do the trouble shooting procedures for a fault in two or three PSIUs in series (Ref. TASK 23-73-00-810-876).
- D. Do the test given in Para. 3.A.

EFF: ALL 23-73-00

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TASK 23-73-00-810-876

R PSIU - No Pax Call from two or three PSIUs in series

- 1. Possible Causes
 - DEU-A (200RHxx)
- 2. Job Set-up Information
 - A. Referenced Information

	KEFEKENCE		PESIGNATION	
R	A M M	23-73-00-710-007	Operational test of the passages call evetem	
ĸ			Operational test of the passenger call system	
	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System	
			(CIDS) through the CFDS	
	AMM	23-73-46-000-001	Removal of the Decoder/Encoder Unit A (200RH)	
	AMM	23-73-46-400-001	Installation of the Decoder/Encoder Unit A (200RH)	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
 - (2) Do the operational test of the passenger call system (Ref. AMM TASK 23-73-00-710-007).

4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the test shows a fault in two or three PSU/PSIUs in series: - replace the related DEU-A (200RHxx) (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).
- C. Do the test given in Para. 3.A.

EFF: ALL 23-73-00

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TASK 23-73-00-810-877

Boarding Function - No seat-row number illumination

- 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
ΔΜΜ	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System
A	23 13 00 140 005	(CIDS) through the CFDS
AMM	23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH,102RH)
ASM	23-73/03	
ASM	23-73/05	

- 3. Fault Confirmation
 - A. Test
- R (1) Do the CIDS BITE test through the CFDS.
 R (Ref. AMM TASK 23-73-00-740-005)
- R (2) Make sure that at least one cabin door is open.
- R (3) Make sure that all seat-row numbering lamps come on.
 - 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,

- B. If all seatrow numbering lamps do not come on:
 - make sure that at least one cabin door is open,
 - open these CBs:

49VU: 150RH (GO1) COM DIR ESS/1

49VU: 157RH (GO2) COM DIR ESS/2

121VU:151RH (MO6) CIDS/DIR NORM/1

121VU:156RH (M07) CIDS/DIR NORM/2,

- wait for approx. 10 s and close the CBs 156RH and 157RH.
- stop for approx. 120 s,

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- do the CIDS BITE test again.
- (1) If the test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring between the:
 DIR-CIDS 101RH connector AA/A9 and SDAC1 connector AB/9G,
 DIR-CIDS 101RH connector AA/B9 and SDAC1 connector AB/9H (Ref. ASM 23-73/03).
- (2) If the test is not OK:
 - do a check and repair the wiring between the: DIR-CIDS 101RH connector AA/A9 and SDAC1 connector AB/9G, DIR-CIDS 101RH connector AA/B9 and SDAC1 connector AB/9H, DIR-CIDS 102RH connector AA/A9 and SDAC1 connector AB/9G, DIR-CIDS 102RH connector AA/B9 and SDAC1 connector AB/9H (Ref. ASM 23-73/03).
- R **ON A/C 227-227, 229-275, 426-450, 701-749,
 - B. If all seatrow numbering lamps do not come on:
 - remove DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:
 - 49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS 121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,
 - stop for approx. 120 s,
 - do the CIDS BITE test again.
 - (1) If the test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring between the:
 DIR-CIDS 101RH connector AA/A9 and SDAC1 connector AB/9G,
 DIR-CIDS 101RH connector AA/B9 and SDAC1 connector AB/9H (Ref. ASM 23-73/03) and (Ref. ASM 23-73/05).
 - (2) If the test is not OK:
 - do a check and repair the wiring between the: DIR-CIDS 101RH connector AA/A9 and SDAC1 connector AB/9G, DIR-CIDS 101RH connector AA/B9 and SDAC1 connector AB/9H, DIR-CIDS 102RH connector AA/A9 and SDAC1 connector AB/9G, DIR-CIDS 102RH connector AA/B9 and SDAC1 connector AB/9H (Ref. ASM 23-73/03).

**ON A/C ALL

C. Install the removed DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).

EFF: ALL
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D. Do the test given in Para. 3.A.

EFF: ALL
SROS

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TASK 23-73-00-810-801

R DEU-A - Fault in DEU-A 200RHxx with connected systems/devices

1. Possible Causes

- DIR-CIDS, 1 (101RH)
- DEU-A (200RHxx)
- DEU mount 2010VUxx
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
	23-73-34-000-001 23-73-34-400-001 23-73-46-000-001 23-73-46-400-001 23-73-48-000-001 23-73-48-400-001 23-73/06 23-73/07 23-73/08	Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH) Removal of the Decoder/Encoder Unit A (200RH) Installation of the Decoder/Encoder Unit A (200RH) Removal of the DEU A/DEU B - Mount Installation of the DEU A/DEU B - Mount

3. Fault Confirmation

- A. Test
 - (1) Do the CIDS/DEU-A test through the CFDS (via CIDS1).

4. Fault Isolation

A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,

- B. If the CIDS1/DEU-A test gives the maintenance message DEU-A 200RHxx:
 - make sure that at least one cabin door is open,
 - open these CBs:

49VU: 150RH (GO1) COM DIR ESS/1 49VU: 157RH (GO2) COM DIR ESS/2

121VU:151RH (MO5) CIDS/DIR NORM/1,

- 121VU:156RH (MO6) CIDS/DIR NORM/2,
- wait for approx. 10 s and close the CBs 156RH and 157RH,
- stop for approx. 120 s,

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- do the CIDS/DEU-A test (via CIDS2).
- (1) If the CIDS2/DEU-A test is OK:
 install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001)
- (2) If the fault continues:
 - make sure that the related coding switch(es) is (are) set to the correct DEU-A address (Ref. ASM 23-73/06), (Ref. ASM 23-73/07) and (Ref. ASM 23-73/08).

 - (b) If the coding switch position(s) is (are) correct:
 replace the DEU-A (200RHxx) (Ref. AMM TASK 23-73-46-000-001)
 and (Ref. AMM TASK 23-73-46-400-001).
 - 1 If the fault continues:
 - replace the DEU mount 2010VUxx (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - a If the fault continues:
 - do a check for 28VDC at DEU mount 2010VUxx connector A/8, 28VDC at DEU mount 2010VUxx connector A/5, GND at DEU mount 2010VUxx connector A/7, (Ref. ASM 23-73/06), (Ref. ASM 23-73/07) and (Ref. ASM 23-73/08) and repair the wiring if necessary.
- R **ON A/C 227-227, 229-275, 426-450,
 - B. If the CIDS1/DEU-A test gives the maintenance message DEU-A 200RHxx:
 - make sure that at least one cabin door is open,
 - open these CBs:

49VU: 150RH (G01) COM DIR ESS/1 49VU: 157RH (G02) COM DIR ESS/2 121VU:151RH (M05) CIDS/DIR NORM/1 121VU:156RH (M06) CIDS/DIR NORM/2

- wait for approx. 10 s and close the CBs 156RH and 157RH,
- stop for approx. 120 s,
- do the CIDS/DEU-A test (via CIDS2).
- (1) If the CIDS2/DEU-A test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001)
- (2) If the fault continues:
 - make sure that the related coding switch(es) is (are) set to the correct DEU-A address (Ref. ASM 23-73/06), (Ref. ASM 23-73/07) and (Ref. ASM 23-73/08).

EFF: 201-225, 227-227, 229-299, 426-499, 503-549, 551-599,

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- (a) If the coding switch position(s) is (are) not correct:make an adjustment of the related coding switch(es).
- - 1 If the fault continues:
 - replace the DEU mount 2010VUxx (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - a If the fault continues:
 - do a check for 28VDC at DEU mount 2010VUxx connector A/8, 28VDC at DEU mount 2010VUxx connector A/5, GND at DEU mount 2010VUxx connector A/7, (Ref. ASM 23-73/06), (Ref. ASM 23-73/07) and (Ref. ASM 23-73/08) and repair the wiring if necessary.

**ON A/C 701-749,

- B. If the CIDS1/DEU-A test gives the maintenance message DEU-A 200RHxx:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:
 - 49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS 121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,
 - stop for approx. 120 s,
 - do the CIDS/DEU-A test (via CIDS2).
 - (1) If the CIDS2/DEU-A test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001)
 - (2) If the fault continues:
 - make sure that the related coding switch(es) is (are) set to the correct DEU-A address (Ref. ASM 23-73/06), (Ref. ASM 23-73/07) and (Ref. ASM 23-73/08).
 - (a) If the coding switch position(s) is (are) not correct:- make an adjustment of the related coding switch(es).
 - (b) If the coding switch position(s) is (are) correct:
 replace the DEU-A (200RHxx) (Ref. AMM TASK 23-73-46-000-001)
 and (Ref. AMM TASK 23-73-46-400-001).
 - 1 If the fault continues:
 - replace the DEU mount 2010VUxx (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).

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a If the fault continues:
 - do a check for
 28VDC at DEU mount 2010VUxx connector A/8,
 28VDC at DEU mount 2010VUxx connector A/5,
 GND at DEU mount 2010VUxx connector A/7,
 (Ref. ASM 23-73/06) and (Ref. ASM 23-73/07)
 and repair the wiring if necessary.

**ON A/C ALL

- C. Install the removed DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- D. Do the test given in Para. 3.A.

EFF: ALL
SROS

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-827

R DEU-B - Fault in DEU-B 300RHx with connected systems/devices

1. Possible Causes

- DIR-CIDS, 1 (101RH)
- DEU-B (300RHx)
- DEU mount 2011VUx
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-73-34-000-001 AMM 23-73-34-400-001 AMM 23-73-47-000-001 AMM 23-73-47-400-001 AMM 23-73-48-000-001 AMM 23-73-48-400-001 ASM 23-73/10 ASM 23-73/11 ASM 23-73/24 ASM 23-73/25 ASM 23-73/26	Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH) Removal of the Decoder/Encoder Unit B (300RH) Installation of the Decoder/Encoder Unit B (300RH) Removal of the DEU A/DEU B - Mount Installation of the DEU A/DEU B - Mount

3. Fault Confirmation

- A. Test
 - (1) Do the CIDS/DEU-B test through the CFDS (via CIDS1).
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,

B. If the CIDS1/DEU-B test gives the maintenance message DEU-B 300RHx:

- make sure that at least one cabin door is open.

- open these CBs:

49VU: 150RH COM DIR ESS/1,

49VU: 157RH COM DIR ESS/2,

121VU: 151RH CIDS/DIR NORM/1,

121VU: 156RH CIDS/DIR NORM/2.

R EFF: ALL
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- wait for approx. 10s and close the CBs 156RH and 157RH.
- stop for approx. 120s,
- do the CIDS/DEU-B test (via CIDS2).
- (1) If the CIDS2/DEU-B test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If the fault continues:
 - make sure that the related coding switch(es) is (are) set to the correct DEU-B address (Ref. ASM 23-73/24), (Ref. ASM 23-73/25) and (Ref. ASM 23-73/26).
 - (a) If the coding switch(es) is (are) not in the correct position:- make an adjustment of the related coding switch(es).
 - - 1 If the fault continues:
 - replace the DEU mount 2011VUx (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - a If the fault continues:
 - do a check for 28VDC at DEU mount 2011VUx connector A/8 28VDC at DEU mount 2011VUx connector A/5 GND at DEU mount 2011VUx connector A/4 (Ref. ASM 23-73/10) and (Ref. ASM 23-73/11) and repair the wiring if necessary.
- R **ON A/C 227-227, 229-275, 426-450,
 - B. If the CIDS1/DEU-B test gives the maintenance message DEU-B 300RHx:
 - make sure that at least one cabin door is open.
 - open these CBs:

49VU: 150RH COM DIR ESS/1,

49VU: 157RH COM DIR ESS/2,

121VU: 151RH CIDS/DIR NORM/1,

121VU: 156RH CIDS/DIR NORM/2.

- wait for approx. 10s and close the CBs 156RH and 157RH.
- stop for approx. 120s,
- do the CIDS/DEU-B test (via CIDS2).
- (1) If the CIDS2/DEU-B test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If the fault continues:
 - make sure that the related coding switch(es) is (are) set to the correct DEU-B address (Ref. ASM 23-73/24), (Ref. ASM 23-73/25) and (Ref. ASM 23-73/26).

EFF: 201-225, 227-227, 229-299, 426-499, 503-549, 551-599,

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- - 1 If the fault continues:
 - replace the DEU mount 2011VUx (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - a If the fault continues:
 - do a check for 28VDC at DEU mount 2011VUx connector A/8 28VDC at DEU mount 2011VUx connector A/5 GND at DEU mount 2011VUx connector A/4 (Ref. ASM 23-73/10) and (Ref. ASM 23-73/11) and repair the wiring if necessary.

**ON A/C 701-749,

- B. If the CIDS1/DEU-B test gives the maintenance message DEU-B 300RHx:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open.
 - close these CBs:
 - 49VU: 150RH CIDS/DIR 1 & 2/ESS, 121VU: 151RH CIDS/DIR 1 & 2/NORM.
 - stop for approx. 120s,
 - do the CIDS/DEU-B test (via CIDS2).
 - (1) If the CIDS2/DEU-B test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If the fault continues:
 - make sure that the related coding switch(es) is (are) set to the correct DEU-B address (Ref. ASM 23-73/24), (Ref. ASM 23-73/25) and (Ref. ASM 23-73/26).
 - (a) If the coding switch(es) is (are) not in the correct position:- make an adjustment of the related coding switch(es).
 - - 1 If the fault continues:
 - replace the DEU mount 2011VUx (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - <u>a</u> If the fault continues:do a check for

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28VDC at DEU mount 2011VUx connector A/8 28VDC at DEU mount 2011VUx connector A/5 GND at DEU mount 2011VUx connector A/4 (Ref. ASM 23-73/10) and (Ref. ASM 23-73/11) and repair the wiring if necessary.

**ON A/C ALL

- C. Install the removed DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- D. Do the test given in Para. 3.A.

EFF: ALL SROS 23-73-00

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TASK 23-73-00-810-832

CIDS - Fault in CIDS TOP BUS 1 L

1. Possible Causes

- DIR-CIDS, 1 (101RH)
- DIR-CIDS, 2 (102RH)
- DEU-A (200RH23)
- DEU-A (200RH19)
- DEU-A (200RH13)
- DEU-A (200RH9)
- DEU-A (200RH5)
- DEU-A (200RH1)
- DEU-A (200RH25)
- DEU-A (200RH21)
- DEU-A (200RH17)
- DEU-A (200RH15)
- **DEU** mount 2014VU1 - DEU mount 2010VU19
- wiring
- DEU mount 2010VU13
- **DEU** mount 2010VU9
- DEU mount 2010VU5
- DEU mount 2010VU1
- DEU mount 2014VU3
- DEU mount 2010VU21
- DEU mount 2010VU17
- DEU mount 2014 VU3
- DEU-A (200RH27)
- DEU mount 2010VU15
- DEU mount 2010VU27

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM	23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH,102RH)
AMM	23-73-46-000-001	Removal of the Decoder/Encoder Unit A (200RH)
AMM	23-73-46-400-001	Installation of the Decoder/Encoder Unit A (200RH)
AMM	23-73-48-000-001	Removal of the DEU A/DEU B - Mount
AMM	23-73-48-400-001	Installation of the DEU A/DEU B - Mount
ASM	23-73/06	

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3. Fault Confirmation

- A. Test
 - (1) Do the CIDS1/CIDS BUS test through the MCDU/CFDS.
 - (2) Do the CIDS1/DEU-A test through the MCDU/CFDS.

4. Fault Isolation

A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 451-475, 551-599,

- B. If the CIDS1/CIDS BUS test gives the maintenance message TOP LINE 1L:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:
 - 49VU: 157RH (GO2) CIDS/DIR 2/ESS,
 - 121VU:156RH (MO7) CIDS/DIR 2/NORM,
 - wait for approx. 120 s,
 - do the CIDS2/CIDS BUS test through the MCDU/CFDS.
 - (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:
 - 49VU: 157RH (GO2) CIDS/DIR 2/ESS,
 - 121VU: 156RH (MO7) CIDS/DIR 2/NORM,
 - install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - do the CIDS1/CIDS BUS test through the MCDU/CFDS.
 - (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1

49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 167RH COM NAV/CIDS/DEU A NORM/L AFT

121VU: 165RH COM NAV/CIDS/DEU A NORM/L MID

121VU: 163RH COM NAV/CIDS/DEU A NORM/L FWD

- make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/D15 and connector AA/E15 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).

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- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/D15 and GND, DIR-CIDS (101RH) and (102RH) connector AA/E15 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-A (200RH23) (Ref. AMM TASK 23-73-46-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - close these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1 49VU: 155RH COM/CIDS/DEU A ESS/LINE 2 121VU: 167RH COM NAV/CIDS/DEU A NORM/L AFT 121VU: 165RH COM NAV/CIDS/DEU A NORM/L MID

- 121VU: 163RH COM NAV/CIDS/DEU A NORM/L FWD
- do the CIDS BITE test through the MCDU/CFDS (Ref. AMM TASK 23-73-00-740-005).
- If the CIDS BITE test gives the maintenance message DEU-A 200RH23:
 - install a new DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
- 2 If the CIDS BITE test gives the maintenance message CIDS TOP LINE 1 L:
 - install the removed DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEUs
 until the maintenance message stops: (Ref. ASM 23-73/06)
 DEU-A (200RH19)
 DEU-A (200RH9)
 DEU-A (200RH5)
 DEU-A (200RH1)
- (b) If there is a short circuit:
 - remove the DEU-A (200RH23) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7253VC1 from the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.

EFF: 201-225, 451-475, 551-599,

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- a If there is no short circuit:
 - install a new DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
- b If the fault continues:
 - remove the DEU-A (200RH19) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-A (200RH19) (Ref. AMM TASK 23-73-46-400-001).
 - b.2. If the fault continues:
 - install the removed DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7213VC19 from the DEU mount 2010VU19 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.2.1. If there is no short circuit:
 - do a check for a short circuit at the connector 7213VC19 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
 - b.2.1.1. If there is a short circuit:
 - repair the wiring between the DEU mount 2010VU19 and the DEU mount 2014VU1 (Ref. ASM 23-73/06).
 - b.2.1.2. If there is no short circuit:
 - install a new DEU mount 2010VU19 (Ref. AMM TASK 23-73-48-400-001).
 - b.2.2. If there is a short circuit:
 - install the removed DEU-A (200RH19) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2010VU19 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps (4. B. (5) (b) 2 b) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH13) and DEU mount 2010VU13,

DEU-A (200RH9) and DEU mount 2010VU9,

DEU-A (200RH5) and DEU mount 2010VU5,

DEU-A (200RH1) and DEU mount 2010VU1.

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- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7253VC1 from the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between: DEU mount 2014VU1 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7213VC1 from the DEU mount 2010VU1 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between: DIR-CIDS (101RH) connector AA/D15 and the connector 7213VC1 pin
 - DIR-CIDS (101RH) connector AA/E15 and the connector 7213VC1 pin A/2.
 - If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7213VC1 (Ref. ASM 23-73/06).
 - If there is continuity:
 - do a check of the wiring (continuity-check) between: DEU mount 2010VU1 pin A/1 and pin A/9, DEU mount 2010VU1 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2010VU1 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
 - If there is continuity:
 - reconnect the connector 7213VC1 to the DEU mount 2010VU1 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops: DIR-CIDS (101RH) and DEU mount 2010VU5/connector 7213VC5, DIR-CIDS (101RH) and DEU mount 2010VU9/connector 7213VC9, DIR-CIDS (101RH) and DEU mount 2010VU13/connector 7213VC13, DIR-CIDS (101RH) and DEU mount 2010VU19/connector
 - 7213VC19,
 - DIR-CIDS (101RH) and DEU mount 2014VU1/connector 7253VC1.

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- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-A (200RH23) (Ref. AMM TASK 23-73-46-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
 - (b) If there is a short circuit:
 - install the removed DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
 - disconnect the electrical connector 7253VC1 from the DEU mount 2014VU1 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH19) and DEU mount 2010VU19,

DEU-A (200RH13) and DEU mount 2010VU13,

DEU-A (200RH9) and DEU mount 2010VU9,

DEU-A (200RH5) and DEU mount 2010VU5,

DEU-A (200RH1) and DEU mount 2010VU1.

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repair the wiring between the related DEU mount 2010VUxx and the DEU mount 2014VUxx/2010VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001).
- R **ON A/C 227-227, 229-275, 426-450,
 - B. If the CIDS1/CIDS BUS test gives the maintenance message TOP LINE 1L:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU: 156RH (MO6) CIDS/DIR 2/NORM,

- wait for approx. 120 s,
- do the CIDS2/CIDS BUS test through the MCDU/CFDS.

R EFF: 201-225, 227-227, 229-275, 426-475, 551-599, SROS

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- (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS, 121VU:156RH (MO6) CIDS/DIR 2/NORM,

- install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- do the CIDS1/CIDS BUS test through the MCDU/CFDS.
- (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
- (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1

49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 167RH COM NAV/CIDS/DEU A NORM/L AFT

121VU: 165RH COM NAV/CIDS/DEU A NORM/L MID

121VU: 163RH COM NAV/CIDS/DEU A NORM/L FWD

- make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/D15 and connector AA/E15 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/D15 and GND,

DIR-CIDS (101RH) and (102RH) connector AA/E15 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-A (200RH25) (Ref. AMM TASK 23-73-46-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - Close these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1

49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 167RH COM NAV/CIDS/DEU A NORM/L AFT

121VU: 165RH COM NAV/CIDS/DEU A NORM/L MID

121VU: 163RH COM NAV/CIDS/DEU A NORM/L FWD

- do the CIDS BITE test through the MCDU/CFDS (Ref. AMM TASK 23-73-00-740-005).
- 1 If the CIDS BITE test gives the maintenance message DEU-A 200RH25:
 - install a new DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).

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- 2 If the CIDS BITE test gives the maintenance message CIDS TOP LINE 1 L:
 - install the removed DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEUs until the maintenance message stops: (Ref. ASM 23-73/06)
 - DEU-A (200RH21)
 - DEU-A (200RH17)
 - DEU-A (200RH13)
 - DEU-A (200RH9)
 - **DEU-A (200RH5)**
 - **DEU-A (200RH1)**
- (b) If there is a short circuit:
 - remove the DEU-A (200RH25) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7253VC3 from the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - b If the fault continues:
 - remove the DEU-A (200RH21) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-A (200RH21) (Ref. AMM TASK 23-73-46-400-001).
 - b.2. If the fault continues:
 - install the removed DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7213VC21 from the DEU mount 2010VU21 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - 2.1. If there is no short circuit:
 - do a check for a short circuit at the connector 7213VC21 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).

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- b.2.1.1. If there is a short circuit:
- repair the wiring between the DEU mount 2010VU21 and the DEU mount 2014VU3 (Ref. ASM 23-73/06).
- b.2.1.2. If there is no short circuit:
- install a new DEU mount 2010VU21 (Ref. AMM TASK 23-73-48-400-001).
- b.2.2. If there is a short circuit:
- install the removed DEU-A (200RH21) (Ref. AMM TASK 23-73-46-400-001),
- reconnect the electrical connector to the DEU mount 2010VU21 (Ref. AMM TASK 23-73-48-400-001),
- do the steps (4. B. (5) (b) 2 b) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH17) and DEU mount 2010VU17,

DEU-A (200RH13) and DEU mount 2010VU13,

DEU-A (200RH9) and DEU mount 2010VU9,

DEU-A (200RH5) and DEU mount 2010VU5,

DEU-A (200RH1) and DEU mount 2010VU1.

- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7253VC3 from the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:
 DEU mount 2014VU3 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7213VC1 from the DEU mount 2010VU1 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/D15 and the connector 7213VC1 pin A/1,

DIR-CIDS (101RH) connector AA/E15 and the connector 7213VC1 pin A/2.

- 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7213VC1 (Ref. ASM 23-73/06).
- 2 If there is continuity:
 - do a check of the wiring (continuity-check) between: DEU mount 2010VU1 pin A/1 and pin A/9 ,

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DEU mount 2010VU1 pin A/2 and pin A/10.

- a If there is no continuity:
 - install a new DEU mount 2010VU1 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
- b If there is continuity:
 - reconnect the connector 7213VC1 to the DEU mount 2010VU1 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU
 mounts until the maintenance message stops:
 DIR-CIDS (101RH) and DEU mount 2010VU5/connector 7213VC5,
 DIR-CIDS (101RH) and DEU mount 2010VU9/connector 7213VC9,
 DIR-CIDS (101RH) and DEU mount 2010VU13/connector
 7213VC13,
 DIR-CIDS (101RH) and DEU mount 2010VU17/connector
 7213VC17,
 DIR-CIDS (101RH) and DEU mount 2010VU21/connector
 7213VC21,

DIR-CIDS (101RH) and DEU mount 2014VU3/connector 7253VC3.

- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-A (200RH25) (Ref. AMM TASK 23-73-46-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
 - (b) If there is a short circuit:
 - install the removed DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
 - disconnect the electrical connector 7253VC3 from the DEU mount 2014VU3 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2014 VU3 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH21) and DEU mount 2010VU21,

DEU-A (200RH17) and DEU mount 2010VU17,

DEU-A (200RH13) and DEU mount 2010VU13,

DEU-A (200RH9) and DEU mount 2010VU9,

DEU-A (200RH5) and DEU mount 2010VU5,

DEU-A (200RH1) and DEU mount 2010VU1.

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)

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- a If there is a short circuit:
 - repair the wiring between the related DEU mount 2010VUxx and the DEU mount 2014VUxx/2010VUxx (Ref. ASM 23-73/06).
- b If there is no short circuit:
 - install a new DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001).

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

- B. If the CIDS1/CIDS BUS test gives the maintenance message TOP LINE 1L:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:
 - 49VU: 157RH (GO2) CIDS/DIR 2/ESS,
 - 121VU:156RH (MO7) CIDS/DIR 2/NORM,
 - wait for approx. 120 s,
 - do the CIDS2/CIDS BUS test through the MCDU/CFDS.
 - (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:
 - 49VU: 157RH (GO2) CIDS/DIR 2/ESS,
 - 121VU:156RH (MO7) CIDS/DIR 2/NORM,
 - install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - do the CIDS1/CIDS BUS test through the MCDU/CFDS.
 - (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:
 - 49VU: 154RH COM/CIDS/DEU A ESS/LINE 1
 - 49VU: 155RH COM/CIDS/DEU A ESS/LINE 2
 - 121VU: 163RH COM NAV/CIDS/DEU A NORM/L FWD
 - 121VU: 165RH COM NAV/CIDS/DEU A NORM/L MID
 - 2001VU: 175RH COM NAV/CIDS/DEU A NORM/MID 2/LH
 - 2001VU: 173RH COM NAV/CIDS/DEU A NORM/AFT/LH
 - make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/D15 and connector AA/E15 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).

EFF: 227-227, 229-299, 426-450, 476-499, 503-549,

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- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/D15 and GND, DIR-CIDS (101RH) and (102RH) connector AA/E15 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-A (200RH23) (Ref. AMM TASK 23-73-46-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - close these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1 49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 163RH COM NAV/CIDS/DEU A NORM/L FWD

121VU: 165RH COM NAV/CIDS/DEU A NORM/L MID

2001VU: 175RH COM NAV/CIDS/DEU A NORM/MID 2/LH 2001VU: 173RH COM NAV/CIDS/DEU A NORM/AFT/LH

- do the CIDS BITE test through the MCDU/CFDS (Ref. AMM TASK 23-73-00-740-005).
- If the CIDS BITE test gives the maintenance message DEU-A 200RH23:
 - install a new DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
- <u>2</u> If the CIDS BITE test gives the maintenance message CIDS TOP LINE 1 L:
 - install the removed DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEUs until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH19)

DEU-A (200RH15)

DEU-A (200RH13)

DEU-A (200RH9)

DEU-A (200RH27)

DEU-A (200RH5)

DEU-A (200RH1)

- (b) If there is a short circuit:
 - remove the DEU-A (200RH23) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7253VC1 from the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.

EFF: 276-299, 476-499, 503-549,

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- a If there is no short circuit:
 - install a new DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
- b If the fault continues:
 - remove the DEU-A (200RH19) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-A (200RH19) (Ref. AMM TASK 23-73-46-400-001).
 - b.2. If the fault continues:
 - install the removed DEU-A (200RH23) (Ref. AMM TASK 23-73- 46-400-001),
 - reconnect the electrical connector to the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7213VC19 from the DEU mount 2010VU19 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.2.1. If there is no short circuit:
 - do a check for a short circuit at the connector 7213VC19 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
 - b.2.1.1. If there is a short circuit:
 - repair the wiring between the DEU mount 2010VU19 and the DEU mount 2014VU1 (Ref. ASM 23-73/06).
 - b.2.1.2. If there is no short circuit:
 - install a new DEU mount 2010VU19 (Ref. AMM TASK 23-73-48-400-001).
 - b.2.2. If there is a short circuit:
 - install the removed DEU-A (200RH19) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2010VU19 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps (4. B. (5) (b) 2 b) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)
 - DEU-A (200RH15) and DEU mount 2010VU15,
 - DEU-A (200RH13) and DEU mount 2010VU13,
 - DEU-A (200RH9) and DEU mount 2010VU9,
 - DEU-A (200RH27) and DEU mount 2010VU27,
 - DEU-A (200RH5) and DEU mount 2010VU5,
 - DEU-A (200RH1) and DEU mount 2010VU1.

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- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7253VC1 from the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200
 ohms (open circuit) between:
 DEU mount 2014VU1 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7213VC1 from the DEU mount 2010VU1 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/D15 and the connector 7213VC1 pin A/1,
 DIR-CIDS (101RH) connector AA/E15 and the connector 7213VC1 pin
 - 1 If there is no continuity:

A/2.

- repair the wiring between the DIR-CIDS (101RH) and the connector 7213VC1 (Ref. ASM 23-73/06).
- 2 If there is continuity:
 - do a check of the wiring (continuity-check) between:
 DEU mount 2010VU1 pin A/1 and pin A/9,
 DEU mount 2010VU1 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2010VU1 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
 - b If there is continuity:
 - reconnect the connector 7213VC1 to the DEU mount 2010VU1 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops: DIR-CIDS (101RH) and DEU mount 2010VU5/connector 7213VC5, DIR-CIDS (101RH) and DEU mount 2010VU27/connector 7213VC27, DIR-CIDS (101RH) and DEU mount 2010VU9/connector 7213VC9, DIR-CIDS (101RH) and DEU mount 2010VU13/connector 7213VC13,
 - DIR-CIDS (101RH) and DEU mount 2010VU15/connector 7213VC15,
 - DIR-CIDS (101RH) and DEU mount 2010VU19/connector 7213VC19,
 - DIR-CIDS (101RH) and DEU mount 2014VU1/connector 7253VC1.

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GA319/A320/A321

TROUBLE SHOOTING MANUAL (7) If the resistance (line to line) is less than 80 ohms (short - remove the DEU-A (200RH23) (Ref. AMM TASK 23-73-46-000-001). - do a check for a short circuit again. (a) If there is no short circuit: - install a new DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001). (b) If there is a short circuit: - install the removed DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001). - disconnect the electrical connector 7253VC1 from the DEU mount 2014VU1 (Ref. ASM 23-73/06), - do a check for a short circuit again. If there is a short circuit: - reconnect the electrical connector to the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001), - do the steps 4. B. (7) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06) DEU-A (200RH19) and DEU mount 2010VU19, DEU-A (200RH15) and DEU mount 2010VU15, DEU-A (200RH13) and DEU mount 2010VU13, DEU-A (200RH9) and DEU mount 2010VU9, DEU-A (200RH27) and DEU mount 2010VU27, DEU-A (200RH5) and DEU mount 2010VU5, DEU-A (200RH1) and DEU mount 2010VU1. If there is no short circuit: - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06) a If there is a short circuit: - repair the wiring between the related DEU mount 2010VUxx and the DEU mount 2014VUxx/2010VUxx (Ref. ASM 23-73/06). If there is no short circuit: install a new DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001). B. If the CIDS1/CIDS BUS test gives the maintenance message TOP LINE 1L: - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001), - make sure that at least one cabin door is open,

**ON A/C 701-749,

- - close these CBs:

49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS, 121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,

- wait for approx. 120 s,
- do the CIDS2/CIDS BUS test through the MCDU/CFDS.

276-299, 476-499, 503-549, 701-749, EFF:

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- (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - do the CIDS1/CIDS BUS test through the MCDU/CFDS.
- (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
- (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1

49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 167RH COM NAV/CIDS/DEU A NORM/L AFT

121VU: 165RH COM NAV/CIDS/DEU A NORM/L MID

121VU: 163RH COM NAV/CIDS/DEU A NORM/L FWD

- make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/D15 and connector AA/E15 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/D15 and GND,

DIR-CIDS (101RH) and (102RH) connector AA/E15 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-A (200RH25) (Ref. AMM TASK 23-73-46-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - close these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1

49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 167RH COM NAV/CIDS/DEU A NORM/L AFT

121VU: 165RH COM NAV/CIDS/DEU A NORM/L MID

121VU: 163RH COM NAV/CIDS/DEU A NORM/L FWD

- do the CIDS BITE test through the MCDU/CFDS (Ref. AMM TASK 23- 73-00-740-005).
- 1 If the CIDS BITE test gives the maintenance message DEU-A 200RH25:
 - install a new DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
- 2 If the CIDS BITE test gives the maintenance message CIDS TOP LINE 1 L:
 - install the removed DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).

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- do the steps 4. B. (5) (a) again for the subsequent DEUs until the maintenance message stops: (Ref. ASM 23-73/06)
 - DEU-A (200RH21)
 - DEU-A (200RH17)
 - DEU-A (200RH13)
 - DEU-A (200RH9)
 - DEU-A (200RH5)
 - **DEU-A (200RH1)**
- (b) If there is a short circuit:
 - remove the DEU-A (200RH25) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7253VC3 from the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - b If the fault continues:
 - remove the DEU-A (200RH21) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-A (200RH21) (Ref. AMM TASK 23-73-46-400-001).
 - b.2. If the fault continues:
 - install the removed DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7213VC21 from the DEU mount 2010VU21 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.2.1. If there is no short circuit:
 - do a check for a short circuit at the connector 7213VC21 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
 - b.2.1.1. If there is a short circuit:
 - repair the wiring between the DEU mount 2010VU21 and the DEU mount 2014VU3 (Ref. ASM 23-73/06).

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- b.2.1.2. If there is no short circuit:
- install a new DEU mount 2010VU21 (Ref. AMM TASK 23-73-48-400-001).
- b.2.2. If there is a short circuit:
- install the removed DEU-A (200RH21) (Ref. AMM TASK 23-73-46-400-001),
- reconnect the electrical connector to the DEU mount 2010VU21 (Ref. AMM TASK 23-73-48-400-001),
- do the steps (4. B. (5) (b) 2 b) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH17) and DEU mount 2010VU17,

DEU-A (200RH13) and DEU mount 2010VU13,

DEU-A (200RH9) and DEU mount 2010VU9,

DEU-A (200RH5) and DEU mount 2010VU5,

DEU-A (200RH1) and DEU mount 2010VU1.

- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7253VC3 from the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200
 ohms (open circuit) between:
 DEU mount 2014VU3 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7213VC1 from the DEU mount 2010VU1 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/D15 and the connector 7213VC1 pin A/1,

DIR-CIDS (101RH) connector AA/E15 and the connector 7213VC1 pin A/2.

- 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7213VC1 (Ref. ASM 23-73/06).
- 2 If there is continuity:
 - do a check of the wiring (continuity-check) between:
 DEU mount 2010VU1 pin A/1 and pin A/9 ,
 DEU mount 2010VU1 pin A/2 and pin A/10.

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- a If there is no continuity:
 - install a new DEU mount 2010VU1 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
- b If there is continuity:
 - reconnect the connector 7213VC1 to the DEU mount 2010VU1 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU
 mounts until the maintenance message stops:
 DIR-CIDS (101RH) and DEU mount 2010VU5/connector 7213VC5,
 DIR-CIDS (101RH) and DEU mount 2010VU9/connector 7213VC9,
 DIR-CIDS (101RH) and DEU mount 2010VU13/connector
 7213VC13,
 DIR-CIDS (101RH) and DEU mount 2010VU17/connector
 7213VC17,
 DIR-CIDS (101RH) and DEU mount 2010VU21/connector
 7213VC21,
 - DIR-CIDS (101RH) and DEU mount 2014VU3/connector 7253VC3.
- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-A (200RH25) (Ref. AMM TASK 23-73-46-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
 - (b) If there is a short circuit:
 - install the removed DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
 - disconnect the electrical connector 7253VC3 from the DEU mount 2014VU3 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2014 VU3 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH21) and DEU mount 2010VU21,

DEU-A (200RH17) and DEU mount 2010VU17,

DEU-A (200RH13) and DEU mount 2010VU13,

DEU-A (200RH9) and DEU mount 2010VU9,

DEU-A (200RH5) and DEU mount 2010VU5,

DEU-A (200RH1) and DEU mount 2010VU1.

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)

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 \underline{a} If there is a short circuit:

- repair the wiring between the related DEU mount 2010VUxx and the DEU mount 2014VUxx/2010VUxx (Ref. ASM 23-73/06).
- b If there is no short circuit:
 - install a new DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001).

**ON A/C ALL

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- C. Installation of removed components
 - Install the removed DIR-CIDS, 1 (101RH) and DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001),
 - Install all the removed DEU-A (200RHxx) (Ref. AMM TASK 23-73-46-400-001),
 - Reconnect all the DEU-mount-connectors to the related DEU-mounts (2010VUxx/2014VUx) (Ref. AMM TASK 23-73-48-400-001).
 - Make sure that all previously opened CBs are closed.
- D. Do the test given in Para. 3.A.

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TASK 23-73-00-810-833

CIDS - Fault in CIDS TOP BUS 2 L

1. Possible Causes

- DIR-CIDS, 1 (101RH)
- DIR-CIDS, 2 (102RH)
- DEU-A (200RH25)
- DEU-A (200RH21)
- DEU-A (200RH17)
- DEU-A (200RH11)
- DEU-A (200RH7)
- DEU-A (200RH3)
- DEU-A (200RH23)
- DEU-A (200RH19)
- DEU-A (200RH15)
- DEU mount 2014VU3
- DEU mount 2010VU21
- wiring
- DEU mount 2010VU17
- DEU mount 2010VU11
- **DEU** mount 2010VU7
- DEU mount 2010VU3
- **DEU** mount 2014VU1
- DEU mount 2010VU19
- DEU mount 2010VU15
- DEU-A (200RH31)
- DEU-A (200RH29)
- DEU mount 2010VU31
- DEU mount 2010VU29

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS	
AMM	23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)	
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH, 102RH)	
AMM	23-73-46-000-001	Removal of the Decoder/Encoder Unit A (200RH)	
AMM	23-73-46-400-001	Installation of the Decoder/Encoder Unit A (200RH)	
AMM	23-73-48-000-001	Removal of the DEU A/DEU B - Mount	
AMM	23-73-48-400-001	Installation of the DEU A/DEU B - Mount	
ASM	23-73/06		

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3. Fault Confirmation

- A. Test
 - (1) Do the CIDS1/CIDS BUS test through the MCDU/CFDS.
 - (2) Do the CIDS1/DEU-A test through the MCDU/CFDS.

4. Fault Isolation

A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 451-475, 551-599,

- B. If the CIDS1/CIDS BUS test gives the maintenance message TOP LINE 2L:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:
 - 49VU: 157RH (GO2) CIDS/DIR 2/ESS,
 - 121VU:156RH (MO7) CIDS/DIR 2/NORM,
 - wait for approx. 120 s,
 - do the CIDS2/CIDS BUS test through the MCDU/CFDS.
 - (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:
 - 49VU: 157RH (GO2) CIDS/DIR 2/ESS,
 - 121VU: 156RH (MO7) CIDS/DIR 2/NORM,
 - install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - do the CIDS1/CIDS BUS test through the MCDU/CFDS.
 - (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:
 - 49VU: 154RH COM/CIDS/DEU A ESS/LINE 1
 - 49VU: 155RH COM/CIDS/DEU A ESS/LINE 2
 - 121VU: 167RH COM NAV/CIDS/DEU A NORM/L AFT
 - 121VU: 165RH COM NAV/CIDS/DEU A NORM/L MID
 - 121VU: 163RH COM NAV/CIDS/DEU A NORM/L FWD
 - make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/J15 and connector AA/K15 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).

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- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/J15 and GND, DIR-CIDS (101RH) and (102RH) connector AA/K15 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-A (200RH25) (Ref. AMM TASK 23-73-46-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - close these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1 49VU: 155RH COM/CIDS/DEU A ESS/LINE 2 121VU: 167RH COM NAV/CIDS/DEU A NORM/L AFT 121VU: 165RH COM NAV/CIDS/DEU A NORM/L MID

- 121VU: 163RH COM NAV/CIDS/DEU A NORM/L FWD
- do the CIDS BITE test through the MCDU/CFDS (Ref. AMM TASK 23-73-00-740-005).
- If the CIDS BITE test gives the maintenance message DEU-A 200RH25:
 - install a new DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
- 2 If the CIDS BITE test gives the maintenance message CIDS TOP LINE 2 L:
 - install the removed DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEUs until the maintenance message stops: (Ref. ASM 23-73/06) DEU-A (200RH21) DEU-A (200RH17) DEU-A (200RH11)

DEU-A (200RH7)

DEU-A (200RH3)

(b) If there is a short circuit:

- remove the DEU-A (200RH25) (Ref. AMM TASK 23-73-46-000-001)
- do a check for a short circuit again.
- 1 If there is no short circuit:
 - install a new DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
- 2 If the fault continues:
 - disconnect the electrical connector 7253VC3 from the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.

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- a If there is no short circuit:
 - install a new DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
- b If the fault continues:
 - remove the DEU-A (200RH21) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-A (200RH21) (Ref. AMM TASK 23-73-46-400-001).
 - b.2. If the fault continues:
 - install the removed DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7213VC21 from the DEU mount 2010VU21 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.2.1. If there is no short circuit:
 - do a check for a short circuit at the connector 7213VC21 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
 - b.2.1.1. If there is a short circuit:
 - repair the wiring between the DEU mount 2010VU21 and the DEU mount 2014VU3 (Ref. ASM 23-73/06).
 - b.2.1.2. If there is no short circuit:
 - install a new DEU mount 2010VU21 (Ref. AMM TASK 23-73-48-400-001).
 - b.2.2. If there is a short circuit:
 - install the removed DEU-A (200RH21) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2010VU21 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps (4. B. (5) (b) 2 b) again for the subsequent
 DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH17) and DEU mount 2010VU17,

DEU-A (200RH11) and DEU mount 2010VU11,

DEU-A (200RH7) and DEU mount 2010VU7,

DEU-A (200RH3) and DEU mount 2010VU3.

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- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7253VC3 from the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200
 ohms (open circuit) between:
 DEU mount 2014VU3 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7213VC3 from the DEU mount 2010VU3 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/J15 and the connector 7213VC3 pin A/1,
 DIR-CIDS (101RH) connector AA/K15 and the connector 7213VC3 pin
 - 1 If there is no continuity:

A/2.

- repair the wiring between the DIR-CIDS (101RH) and the connector 7213VC3 (Ref. ASM 23-73/06).
- 2 If there is continuity:
 - do a check of the wiring (continuity-check) between:
 DEU mount 2010VU3 pin A/1 and pin A/9 ,
 DEU mount 2010VU3 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2010VU3 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
 - b If there is continuity:
 - reconnect the connector 7213VC3 to the DEU mount 2010VU3 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops: DIR-CIDS (101RH) and DEU mount 2010VU7/connector 7213VC7, DIR-CIDS (101RH) and DEU mount 2010VU11/connector 7213VC11, DIR-CIDS (101RH) and DEU mount 2010VU17/connector 7213VC17,
 - DIR-CIDS (101RH) and DEU mount 2010VU21/connector 7213VC21,
 - DIR-CIDS (101RH) and DEU mount 2014VU3/connector 7253VC3.

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- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-A (200RH25) (Ref. AMM TASK 23-73-46-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
 - (b) If there is a short circuit:
 - install the removed DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
 - diconnect the electrical connector 7253VC3 from the DEU mount 2014VU3 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH21) and DEU mount 2010VU21,

DEU-A (200RH17) and DEU mount 2010VU17,

DEU-A (200RH11) and DEU mount 2010VU11,

DEU-A (200RH7) and DEU mount 2010VU7,

DEU-A (200RH3) and DEU mount 2010VU3.

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2010VUxx and the DEU mount 2014VUxx/2010VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001).
- R **ON A/C 227-227, 229-275, 426-450,
 - B. If the CIDS1/CIDS BUS test gives the maintenance message TOP LINE 2L:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU: 156RH (MO6) CIDS/DIR 2/NORM,

- wait for approx. 120 s,
- do the CIDS2/CIDS BUS test through the MCDU/CFDS.

R EFF: 201-225, 227-227, 229-275, 426-475, 551-599, SROS

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- (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS, 121VU:156RH (MO6) CIDS/DIR 2/NORM,

- install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- do the CIDS1/CIDS BUS test through the MCDU/CFDS.
- (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
- (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1

49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 167RH COM NAV/CIDS/DEU A NORM/L AFT

121VU: 165RH COM NAV/CIDS/DEU A NORM/L MID

121VU: 163RH COM NAV/CIDS/DEU A NORM/L FWD

- make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/J15 and connector AA/K15 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/J15 and GND, DIR-CIDS (101RH) and (102RH) connector AA/K15 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-A (200RH23) (Ref. AMM TASK 23-73-46-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - close these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1

49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 167RH COM NAV/CIDS/DEU A NORM/L AFT

121VU: 165RH COM NAV/CIDS/DEU A NORM/L MID

121VU: 163RH COM NAV/CIDS/DEU A NORM/L FWD

- do the CIDS BITE test through the MCDU/CFDS (Ref. AMM TASK 23- 73-00-740-005).
- 1 If the CIDS BITE test gives the maintenance message DEU-A 200RH23:
 - install a new DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).

EFF: 227-227, 229-275, 426-450,

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- 2 If the CIDS BITE test gives the maintenance message CIDS TOP LINE 2 L:
 - install the removed DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEUs until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH19)

DEU-A (200RH15)

DEU-A (200RH11)

DEU-A (200RH7)

DEU-A (200RH3)

- (b) If there is a short circuit:
 - remove the DEU-A (200RH23) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - If there is no short circuit:
 - install a new DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
 - If the fault continues:
 - disconnect the electrical connector 7253VC1 from the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - If there is no short circuit:
 - install a new DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - If the fault continues:
 - remove the DEU-A (200RH19) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-A (200RH19) (Ref. AMM TASK 23-73-46-400-001).
 - b.2. If the fault continues:
 - install the removed DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7213VC19 from the DEU mount 2010VU19 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.2.1. If there is no short circuit:
 - do a check for a short circuit at the connector 7213VC19 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).

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EFF:

227-227, 229-275, 426-450,

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- b.2.1.1. If there is a short circuit:
- repair the wiring between the DEU mount 2010VU19 and the DEU mount 2014VU1 (Ref. ASM 23-73/06).
- b.2.1.2. If there is no short circuit:
- install a new DEU mount 2010VU19 (Ref. AMM TASK 23-73-48-400-001).
- b.2.2. If there is a short circuit:
- install the removed DEU-A (200RH19) (Ref. AMM TASK 23-73-46-400-001),
- reconnect the electrical connector to the DEU mount 2010VU19 (Ref. AMM TASK 23-73-48-400-001),
- do the steps (4. B. (5) (b) 2 b) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH15) and DEU mount 2010VU15,

DEU-A (200RH11) and DEU mount 2010VU11,

DEU-A (200RH7) and DEU mount 2010VU7,

DEU-A (200RH3) and DEU mount 2010VU3,

- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7253VC1 from the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:
 DEU mount 2014VU1 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7213VC3 from the DEU mount 2010VU3 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/J15 and the connector 7213VC3 pin A/1,

DIR-CIDS (101RH) connector AA/K15 and the connector 7213VC3 pin A/2.

- 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7213VC3 (Ref. ASM 23-73/06).
- 2 If there is continuity:
 - do a check of the wiring (continuity-check) between:
 DEU mount 2010VU3 pin A/1 and pin A/9 ,
 DEU mount 2010VU3 pin A/2 and pin A/10.

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EFF: 227-227, 229-275, 426-450,

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- If there is no continuity:
 - install a new DEU mount 2010VU3 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
- If there is continuity:
 - reconnect the connector 7213VC3 to the DEU mount 2010VU3 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops: DIR-CIDS (101RH) and DEU mount 2010VU7/connector 7213VC7, DIR-CIDS (101RH) and DEU mount 2010VU11/connector 7213VC11, DIR-CIDS (101RH) and DEU mount 2010VU15/connector 7213VC15, DIR-CIDS (101RH) and DEU mount 2010VU19/connector
 - 7213VC19,
 - DIR-CIDS (101RH) and DEU mount 2014VU1/connector 7253VC1.
- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-A (200RH23) (Ref. AMM TASK 23-73-46-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
 - (b) If there is a short circuit:
 - install the removed DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
 - diconnect the electrical connector 7253VC1 from the DEU mount 2014VU1 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH19) and DEU mount 2010VU19,

DEU-A (200RH15) and DEU mount 2010VU15,

DEU-A (200RH11) and DEU mount 2010VU11,

DEU-A (200RH7) and DEU mount 2010VU7,

DEU-A (200RH3) and DEU mount 2010VU3,

- If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - If there is a short circuit:
 - repaire the wiring between the related DEU mount 2010VUxx and the DEU mount 2014VUxx/2010VUxx (Ref. ASM 23-73/06).

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b If there is no short circuit:

install a new DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001).

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

- B. If the CIDS1/CIDS BUS test gives the maintenance message TOP LINE 2L:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU:156RH (MO7) CIDS/DIR 2/NORM,

- wait for approx. 120 s,
- do the CIDS2/CIDS BUS test through the MCDU/CFDS.
- (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU:156RH (MO7) CIDS/DIR 2/NORM,

- install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- do the CIDS1/CIDS BUS test through the MCDU/CFDS.
- (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
- (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1

49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 163RH COM NAV/CIDS/DEU A NORM/L FWD

121VU: 165RH COM NAV/CIDS/DEU A NORM/L MID

2001VU: 175RH COM NAV/CIDS/DEU A NORM/MID 2 LH

2001VU: 173RH COM NAV/CIDS/DEU A NORM/AFT LH

- make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/J15 and connector AA/K15 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/J15 and GND,

DIR-CIDS (101RH) and (102RH) connector AA/K15 and GND. (Ref. ASM 23-73/06)

EFF: 227-227, 229-299, 426-450, 476-499, 503-549,

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- (a) If there is no short circuit:
 - remove the DEU-A (200RH25) (Ref. AMM TASK 23-73-46-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - close these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1
49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 163RH COM NAV/CIDS/DEU A NORM/L FWD

121VU: 165RH COM NAV/CIDS/DEU A NORM/L MID

2001VU: 175RH COM NAV/CIDS/DEU A NORM/MID 2 LH

2001VU: 173RH COM NAV/CIDS/DEU A NORM/AFT LH

- do the CIDS BITE test through the MCDU/CFDS (Ref. AMM TASK 23-73-00-740-005).
- 1 If the CIDS BITE test gives the maintenance message DEU-A 200RH25:
 - install a new DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
- $\underline{2}$ If the CIDS BITE test gives the maintenance message CIDS TOP LINE 2 L:
 - install the removed DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEUs until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH21)

DEU-A (200RH17)

DEU-A (200RH31)

DEU-A (200RH11)

DEU-A (200RH29)

DEU-A (200RH7)

DEU-A (200RH3)

- (b) If there is a short circuit:
 - remove the DEU-A (200RH25) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7253VC3 from the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).

EFF: 276-299, 476-499, 503-549,

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- b If the fault continues:
 - remove the DEU-A (200RH21) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-A (200RH21) (Ref. AMM TASK 23-73-46-400-001).
 - b.2. If the fault continues:
 - install the removed DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7213VC21 from the DEU mount 2010VU21 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.2.1. If there is no short circuit:
 - do a check for a short circuit at the connector 7213VC21 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
 - b.2.1.1. If there is a short circuit:
 - repair the wiring between the DEU mount 2010VU21 and the DEU mount 2014VU3 (Ref. ASM 23-73/06).
 - b.2.1.2. If there is no short circuit:
 - install a new DEU mount 2010VU21 (Ref. AMM TASK 23-73-48-400-001).
 - b.2.2. If there is a short circuit:
 - install the removed DEU-A (200RH21) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2010VU21 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps (4. B. (5) (b) 2 b) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH17) and DEU mount 2010VU17,

DEU-A (200RH31) and DEU mount 2010VU31

DEU-A (200RH11) and DEU mount 2010VU11,

DEU-A (200RH29) and DEU mount 2010VU29,

DEU-A (200RH7) and DEU mount 2010VU7,

DEU-A (200RH3) and DEU mount 2010VU3.

- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7253VC3 from the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:

EFF: 276-299, 476-499, 503-549,

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DEU mount 2014VU3 pin A/1 and pin A/2

- (a) If there is an open circuit:
 - install a new DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001)
- (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7213VC3 from the DEU mount 2010VU3 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between: DIR-CIDS (101RH) connector AA/J15 and the connector 7213VC3 pin A/1, DIR-CIDS (101RH) connector AA/K15 and the connector 7213VC3 pin
 - If there is no continuity:

A/2.

- repair the wiring between the DIR-CIDS (101RH) and the connector 7213VC3 (Ref. ASM 23-73/06).
- If there is continuity:
 - do a check of the wiring (continuity-check) between: DEU mount 2010VU3 pin A/1 and pin A/9, DEU mount 2010VU3 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2010VU3 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
 - b If there is continuity:
 - reconnect the connector 7213VC3 to the DEU mount 2010VU3 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops: DIR-CIDS (101RH) and DEU mount 2010VU7/connector 7213VC7, DIR-CIDS (101RH) and DEU mount 2010VU29/connector 7213VC29, DIR-CIDS (101RH) and DEU mount 2010VU11/connector 7213VC11,

DIR-CIDS (101RH) and DEU mount 2010VU31/connector

DIR-CIDS (101RH) and DEU mount 2010VU17/connector 7213VC17,

DIR-CIDS (101RH) and DEU mount 2010VU21/connector 7213VC21,

DIR-CIDS (101RH) and DEU mount 2014VU3/connector 7253VC3.

- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-A (200RH25) (Ref. AMM TASK 23-73-46-000-001).
 - do a check for a short circuit again.

276-299, 476-499, 503-549,

7213VC31,

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EFF:

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- (a) If there is no short circuit:
 - install a new DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
- (b) If there is a short circuit:
 - install the removed DEU-A (200RH25) (Ref. AMM TASK 23-73-46-400-001).
 - diconnect the electrical connector 7253VC3 from the DEU mount 2014VU3 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH21) and DEU mount 2010VU21,

DEU-A (200RH17) and DEU mount 2010VU17,

DEU-A (200RH31) and DEU mount 2010VU31

DEU-A (200RH11) and DEU mount 2010VU11,

DEU-A (200RH29) and DEU mount 2010VU29

DEU-A (200RH7) and DEU mount 2010VU7,

DEU-A (200RH3) and DEU mount 2010VU3,

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2010VUxx and the DEU mount 2014VUxx/2010VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2014VU3 (Ref. AMM TASK 23-73-48-400-001).

**ON A/C 701-749,

- B. If the CIDS1/CIDS BUS test gives the maintenance message TOP LINE 2L:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:

49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS,

121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,

- wait for approx. 120 s.
- do the CIDS2/CIDS BUS test through the MCDU/CFDS.
- (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).

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- (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - do the CIDS1/CIDS BUS test through the MCDU/CFDS.
- (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
- (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1

49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 167RH COM NAV/CIDS/DEU A NORM/L AFT

121VU: 165RH COM NAV/CIDS/DEU A NORM/L MID

121VU: 163RH COM NAV/CIDS/DEU A NORM/L FWD

- make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/J15 and connector AA/K15 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/J15 and GND,

DIR-CIDS (101RH) and (102RH) connector AA/K15 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-A (200RH23) (Ref. AMM TASK 23-73-46-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - close these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1

49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 167RH COM NAV/CIDS/DEU A NORM/L AFT

121VU: 165RH COM NAV/CIDS/DEU A NORM/L MID

121VU: 163RH COM NAV/CIDS/DEU A NORM/L FWD

- do the CIDS BITE test through the MCDU/CFDS (Ref. AMM TASK 23-73-00-740-005).
- 1 If the CIDS BITE test gives the maintenance message DEU-A 200RH23:
 - install a new DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
- <u>2</u> If the CIDS BITE test gives the maintenance message CIDS TOP LINE 2 L:
 - install the removed DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEUs until the maintenance message stops: (Ref. ASM 23-73/06) DEU-A (200RH19)

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DEU-A (200RH15)
DEU-A (200RH11)
DEU-A (200RH7)
DEU-A (200RH3)

- (b) If there is a short circuit:
 - remove the DEU-A (200RH23) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7253VC1 from the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - b If the fault continues:
 - remove the DEU-A (200RH19) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-A (200RH19) (Ref. AMM TASK 23-73-46-400-001).
 - b.2. If the fault continues:
 - install the removed DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7213VC19 from the DEU mount 2010VU19 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.2.1. If there is no short circuit:
 - do a check for a short circuit at the connector 7213VC19 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
 - b.2.1.1. If there is a short circuit:
 - repair the wiring between the DEU mount 2010VU19 and the DEU mount 2014VU1 (Ref. ASM 23-73/06).
 - b.2.1.2. If there is no short circuit:
 - install a new DEU mount 2010VU19 (Ref. AMM TASK 23-73-48-400-001).

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- b.2.2. If there is a short circuit:
- install the removed DEU-A (200RH19) (Ref. AMM TASK 23-73-46-400-001),
- reconnect the electrical connector to the DEU mount 2010VU19 (Ref. AMM TASK 23-73-48-400-001),
- do the steps (4. B. (5) (b) 2 b) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH15) and DEU mount 2010VU15,

DEU-A (200RH11) and DEU mount 2010VU11,

DEU-A (200RH7) and DEU mount 2010VU7,

DEU-A (200RH3) and DEU mount 2010VU3,

- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7253VC1 from the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:
 DEU mount 2014VU1 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7213VC3 from the DEU mount 2010VU3 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/J15 and the connector 7213VC3 pin A/1,

DIR-CIDS (101RH) connector AA/K15 and the connector 7213VC3 pin A/2.

- 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7213VC3 (Ref. ASM 23-73/06).
- 2 If there is continuity:
 - do a check of the wiring (continuity-check) between:
 DEU mount 2010VU3 pin A/1 and pin A/9 ,
 DEU mount 2010VU3 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2010VU3 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
 - b If there is continuity:
 - reconnect the connector 7213VC3 to the DEU mount 2010VU3 (Ref. AMM TASK 23-73-48-400-001)

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- do the steps 4. B. (6) again for the subsequent DEU
 mounts until the maintenance message stops:
 DIR-CIDS (101RH) and DEU mount 2010VU7/connector 7213VC7,
 DIR-CIDS (101RH) and DEU mount 2010VU11/connector
 7213VC11,
 DIR-CIDS (101RH) and DEU mount 2010VU15/connector
 7213VC15,
 DIR-CIDS (101RH) and DEU mount 2010VU19/connector
 7213VC19,
 DIR-CIDS (101RH) and DEU mount 2014VU1/connector 7253VC1.
- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-A (200RH23) (Ref. AMM TASK 23-73-46-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
 - (b) If there is a short circuit:
 - install the removed DEU-A (200RH23) (Ref. AMM TASK 23-73-46-400-001).
 - diconnect the electrical connector 7253VC1 from the DEU mount 2014VU1 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH19) and DEU mount 2010VU19,

DEU-A (200RH15) and DEU mount 2010VU15,

DEU-A (200RH11) and DEU mount 2010VU11,

DEU-A (200RH7) and DEU mount 2010VU7,

DEU-A (200RH3) and DEU mount 2010VU3,

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2010VUxx and the DEU mount 2014VUxx/2010VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2014VU1 (Ref. AMM TASK 23-73-48-400-001).

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**ON A/C ALL

- C. Installation of removed components
 - Install the removed DIR-CIDS, 1 (101RH) and DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - Install all the removed DEU-A (200RHxx) (Ref. AMM TASK 23-73-46-400-001).
 - Reconnect all the DEU-mount-connectors to the related DEU-mounts (2010VUxx/2014VUx) (Ref. AMM TASK 23-73-48-400-001).
- D. Do the test given in Para. 3.A.

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TASK 23-73-00-810-834

CIDS - Fault in CIDS TOP BUS 1 R

1. Possible Causes

- DIR-CIDS, 1 (101RH)
- DIR-CIDS, 2 (102RH)
- DEU-A (200RH26)
- DEU-A (200RH22)
- DEU-A (200RH18)
- DEU-A (200RH12)
- DEU-A (200RH8)
- DEU-A (200RH4)
- DEU-A (200RH24)
- DEU-A (200RH20)
- DEU-A (200RH16)
- DEU mount 2014VU4
- **DEU** mount 2010VU22
- wiring
- DEU mount 2010VU18
- DEU mount 2010VU12
- DEU mount 2010VU8
- DEU mount 2010VU4
- DEU mount 2014VU2
- DEU mount 2010VU20
- DEU mount 2010VU16
- DEU-A (200RH32)
- DEU-A (200RH30)
- **DEU** mount 2010VU32
- DEU mount 2010VU30

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM	23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH, 102RH)
AMM	23-73-46-000-001	Removal of the Decoder/Encoder Unit A (200RH)
AMM	23-73-46-400-001	Installation of the Decoder/Encoder Unit A (200RH)
AMM	23-73-48-000-001	Removal of the DEU A/DEU B - Mount
AMM	23-73-48-400-001	Installation of the DEU A/DEU B - Mount
ASM	23-73/06	

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3. Fault Confirmation

- A. Test
 - (1) Do the CIDS1/CIDS BUS test through the MCDU/CFDS.
 - (2) Do the CIDS1/DEU-A test through the MCDU/CFDS.

4. Fault Isolation

A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 451-475, 551-599,

- B. If the CIDS1/CIDS BUS test gives the maintenance message TOP LINE 1R:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:
 - 49VU: 157RH (GO2) CIDS/DIR 2/ESS,
 - 121VU:156RH (MO7) CIDS/DIR 2/NORM,
 - wait for approx. 120 s,
 - do the CIDS2/CIDS BUS test through the MCDU/CFDS.
 - (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:
 - 49VU: 157RH (GO2) CIDS/DIR 2/ESS,
 - 121VU: 156RH (MO7) CIDS/DIR 2/NORM,
 - install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - do the CIDS1/CIDS BUS test through the MCDU/CFDS.
 - (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:
 - 49VU: 154RH COM/CIDS/DEU A ESS/LINE 1
 - 49VU: 155RH COM/CIDS/DEU A ESS/LINE 2
 - 121VU: 164RH COM NAV/CIDS/DEU A NORM/R FWD
 - 121VU: 166RH COM NAV/CIDS/DEU A NORM/R MID
 - 121VU: 168RH COM NAV/CIDS/DEU A NORM/R AFT
 - make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/A15 and connector AA/B15 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).

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- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/A15 and GND, DIR-CIDS (101RH) and (102RH) connector AA/B15 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-A (200RH26) (Ref. AMM TASK 23-73-46-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - close these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1 49VU: 155RH COM/CIDS/DEU A ESS/LINE 2 121VU: 164RH COM NAV/CIDS/DEU A NORM/R FWD

121VU: 166RH COM NAV/CIDS/DEU A NORM/R MID

121VU: 168RH COM NAV/CIDS/DEU A NORM/R AFT

- do the CIDS BITE test through the MCDU/CFDS (Ref. AMM TASK 23-73-00-740-005).
- 1 If the CIDS BITE test gives the maintenance message DEU-A 200RH26:
 - install a new DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
- 2 If the CIDS BITE test gives the maintenance message CIDS TOP LINE 1 R:
 - install the removed DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEUs until the maintenance message stops: (Ref. ASM 23-73/06) DEU-A (200RH22)

DEU-A (ZUUKHZZ)

DEU-A (200RH18)

DEU-A (200RH12)

DEU-A (200RH8)

DEU-A (200RH4)

- (b) If there is a short circuit:
 - remove the DEU-A (200RH26) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7253VC4 from the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.

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- a If there is no short circuit:
 - install a new DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
- b If the fault continues:
 - remove the DEU-A (200RH22) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-A (200RH22) (Ref. AMM TASK 23-73-46-400-001).
 - b.2. If the fault continues:
 - install the removed DEU-A (200RH22) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7213VC22 from the DEU mount 2010VU22 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.2.1. If there is no short circuit:
 - do a check for a short circuit at the connector 7213VC22 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
 - b.2.1.1. If there is a short circuit:
 - repair the wiring between the DEU mount 2010VU22 and the DEU mount 2014VU4 (Ref. ASM 23-73/06).
 - b.2.1.2. If there is no short circuit:
 - install a new DEU mount 2010VU22 (Ref. AMM TASK 23-73-48-400-001).
 - b.2.2. If there is a short circuit:
 - install the removed DEU-A (200RH22) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2010VU22 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps (4. B. (5) (b) 2 b) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)
 - DEU-A (200RH18) and DEU mount 2010VU18,
 - DEU-A (200RH12) and DEU mount 2010VU12,
 - DEU-A (200RH8) and DEU mount 2010VU8,
 - DEU-A (200RH4) and DEU mount 2010VU4.

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- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7253VC4 from the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:
 DEU mount 2014VU4 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7213VC4 from the DEU mount 2010VU4 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/A15 and the connector 7213VC4 pin A/1,
 DIR-CIDS (101RH) connector AA/B15 and the connector 7213VC4 pin
 - DIR-CIDS (101RH) connector AA/B15 and the connector 7213VC4 pin A/2.
 - 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7213VC4 (Ref. ASM 23-73/06).
 - 2 If there is continuity:
 - do a check of the wiring (continuity-check) between:
 DEU mount 2010VU4 pin A/1 and pin A/9,
 DEU mount 2010VU4 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2010VU4 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
 - b If there is continuity:
 - reconnect the connector 7213VC4 to the DEU mount 2010VU4 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops: DIR-CIDS (101RH) and DEU mount 2010VU8/connector 7213VC8, DIR-CIDS (101RH) and DEU mount 2010VU12/connector 7213VC12, DIR-CIDS (101RH) and DEU mount 2010VU18/connector 7213VC18,
 - DIR-CIDS (101RH) and DEU mount 2010VU22/connector 7213VC22,
 - DIR-CIDS (101RH) and DEU mount 2014VU4/connector 7253VC4.

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- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-A (200RH26) (Ref. AMM TASK 23-73-46-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
 - (b) If there is a short circuit:
 - install the removed DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
 - diconnect the electrical connector 7253VC4 from the DEU mount 2014VU4 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH22) and DEU mount 2010VU22,

DEU-A (200RH18) and DEU mount 2010VU18,

DEU-A (200RH12) and DEU mount 2010VU12,

DEU-A (200RH8) and DEU mount 2010VU8,

DEU-A (200RH4) and DEU mount 2010VU4.

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2010VUxx and the DEU mount 2014VUxx/2010VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001).
- R **ON A/C 227-227, 229-275, 426-450,
 - B. If the CIDS1/CIDS BUS test gives the maintenance message TOP LINE 1R:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU: 156RH (MO6) CIDS/DIR 2/NORM,

- wait for approx. 120 s,
- do the CIDS2/CIDS BUS test through the MCDU/CFDS.

EFF: 201-225, 227-227, 229-275, 426-475, 551-599, SROS

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- (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU:156RH (MO6) CIDS/DIR 2/NORM,

- install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- do the CIDS1/CIDS BUS test through the MCDU/CFDS.
- (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
- (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1

49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 164RH COM NAV/CIDS/DEU A NORM/R FWD

121VU: 166RH COM NAV/CIDS/DEU A NORM/R MID

121VU: 168RH COM NAV/CIDS/DEU A NORM/R AFT

- make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/A15 and connector AA/B15 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/A15 and GND,

DIR-CIDS (101RH) and (102RH) connector AA/B15 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-A (200RH24) (Ref. AMM TASK 23-73-46-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - close these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1

49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 164RH COM NAV/CIDS/DEU A NORM/R FWD

121VU: 166RH COM NAV/CIDS/DEU A NORM/R MID

121VU: 168RH COM NAV/CIDS/DEU A NORM/R AFT

- do the CIDS BITE test through the MCDU/CFDS (Ref. AMM TASK 23-73-00-740-005).
- 1 If the CIDS BITE test gives the maintenance message DEU-A 200RH24:
 - install a new DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).

EFF: 227-227, 229-275, 426-450,

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- 2 If the CIDS BITE test gives the maintenance message CIDS TOP
 - install the removed DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEUs until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH20)

DEU-A (200RH16)

DEU-A (200RH12)

DEU-A (200RH8)

DEU-A (200RH4)

- (b) If there is a short circuit:
 - remove the DEU-A (200RH24) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - If there is no short circuit:
 - install a new DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - If the fault continues:
 - disconnect the electrical connector 7253VC2 from the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - If there is no short circuit:
 - install a new DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - If the fault continues:
 - remove the DEU-A (200RH20) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-A (200RH20) (Ref. AMM TASK 23-73-46-400-001).
 - b.2. If the fault continues:
 - install the removed DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7213VC20 from the DEU mount 2010VU20 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.2.1. If there is no short circuit:
 - do a check for a short circuit at the connector 7213VC20 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).

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- b.2.1.1. If there is a short circuit:
- repair the wiring between the DEU mount 2010VU20 and the DEU mount 2014VU2 (Ref. ASM 23-73/06).
- b.2.1.2. If there is no short circuit:
- install a new DEU mount 2010VU20 (Ref. AMM TASK 23-73-48-400-001).
- b.2.2. If there is a short circuit:
- install the removed DEU-A (200RH20) (Ref. AMM TASK 23-73-46-400-001),
- reconnect the electrical connector to the DEU mount 2010VU20 (Ref. AMM TASK 23-73-48-400-001),
- do the steps (4. B. (5) (b) 2 b) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH16) and DEU mount 2010VU16,

DEU-A (200RH12) and DEU mount 2010VU12,

DEU-A (200RH8) and DEU mount 2010VU8,

DEU-A (200RH4) and DEU mount 2010VU4,

- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7253VC2 from the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:
 DEU mount 2014VU2 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7213VC4 from the DEU mount 2010VU4 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/A15 and the connector 7213VC4 pin A/1,

DIR-CIDS (101RH) connector AA/B15 and the connector 7213VC4 pin A/2.

- 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7213VC4 (Ref. ASM 23-73/06).
- 2 If there is continuity:
 - do a check of the wiring (continuity-check) between:
 DEU mount 2010VU4 pin A/1 and pin A/9 ,
 DEU mount 2010VU4 pin A/2 and pin A/10.

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- a If there is no continuity:
 - install a new DEU mount 2010VU4 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
- b If there is continuity:
 - reconnect the connector 7213VC4 to the DEU mount 2010VU4 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops: DIR-CIDS (101RH) and DEU mount 2010VU8/connector 7213VC8, DIR-CIDS (101RH) and DEU mount 2010VU12/connector 7213VC12, DIR-CIDS (101RH) and DEU mount 2010VU16/connector 7213VC16, DIR-CIDS (101RH) and DEU mount 2010VU20/connector 7213VC20,

DIR-CIDS (101RH) and DEU mount 2014VU2/connector 7253VC2.

- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-A (200RH24) (Ref. AMM TASK 23-73-46-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - (b) If there is a short circuit:
 - install the removed DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - diconnect the electrical connector 7253VC2 from the DEU mount 2014VU2 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH20) and DEU mount 2010VU20,

DEU-A (200RH16) and DEU mount 2010VU16,

DEU-A (200RH12) and DEU mount 2010VU12,

DEU-A (200RH8) and DEU mount 2010VU8,

DEU-A (200RH4) and DEU mount 2010VU4,

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2010VUxx and the DEU mount 2014VUxx/2010VUxx (Ref. ASM 23-73/06).

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- b If there is no short circuit:
 - install a new DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001).

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

- B. If the CIDS1/CIDS BUS test gives the maintenance message TOP LINE 1R:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU:156RH (MO7) CIDS/DIR 2/NORM,

- wait for approx. 120 s,
- do the CIDS2/CIDS BUS test through the MCDU/CFDS.
- (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU:156RH (MO7) CIDS/DIR 2/NORM,

- install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- do the CIDS1/CIDS BUS test through the MCDU/CFDS.
- (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
- (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1

49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 164RH COM NAV/CIDS/DEU A NORM/R FWD

121VU: 166RH COM NAV/CIDS/DEU A NORM/R MID

2001VU: 176RH CIDS/DEU A NORM/MID 2/RH

2001VU: 174RH CIDS/DEU A NORM/AFT/RH

- make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/A15 and connector AA/B15 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/A15 and GND,

DIR-CIDS (101RH) and (102RH) connector AA/B15 and GND. (Ref. ASM

23-73/06)

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- (a) If there is no short circuit:
 - remove the DEU-A (200RH26) (Ref. AMM TASK 23-73-46-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - close these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1
49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 164RH COM NAV/CIDS/DEU A NORM/R FWD

121VU: 166RH COM NAV/CIDS/DEU A NORM/R MID

2001VU: 176RH CIDS/DEU A NORM/MID 2/RH

2001VU: 174RH CIDS/DEU A NORM/AFT/RH

- do the CIDS BITE test through the MCDU/CFDS (Ref. AMM TASK 23-73-00-740-005).
- If the CIDS BITE test gives the maintenance message DEU-A 200RH26:
 - install a new DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
- 2 If the CIDS BITE test gives the maintenance message CIDS TOP LINE 1 R:
 - install the removed DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEUs until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH22)

DEU-A (200RH18)

DEU-A (200RH32)

DEU-A (200RH12)

DEU-A (200RH30)

DEU-A (200RH8)

- DEU-A (200RH4)

 (b) If there is a short circuit:
 - remove the DEU-A (200RH26) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7253VC4 from the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).

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- b If the fault continues:
 - remove the DEU-A (200RH22) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-A (200RH22) (Ref. AMM TASK 23-73-46-400-001).
 - b.2. If the fault continues:
 - install the removed DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7213VC22 from the DEU mount 2010VU22 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.2.1. If there is no short circuit:
 - do a check for a short circuit at the connector 7213VC22 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
 - b.2.1.1. If there is a short circuit:
 - repair the wiring between the DEU mount 2010VU22 and the DEU mount 2014VU4 (Ref. ASM 23-73/06).
 - b.2.1.2. If there is no short circuit:
 - install a new DEU mount 2010VU22 (Ref. AMM TASK 23-73-48-400-001).
 - b.2.2. If there is a short circuit:
 - install the removed DEU-A (200RH22) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2010VU22 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps (4. B. (5) (b) 2 b) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH18) and DEU mount 2010VU18,

DEU-A (200RH32) and DEU mount 2010VU32

DEU-A (200RH12) and DEU mount 2010VU12,

DEU-A (200RH30) and DEU mount 2010VU30,

DEU-A (200RH8) and DEU mount 2010VU8,

DEU-A (200RH4) and DEU mount 2010VU4.

- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7253VC4 from the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:

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DEU mount 2014VU4 pin A/1 and pin A/2

- (a) If there is an open circuit:
 - install a new DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001)
- (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7213VC4 from the DEU mount 2010VU4 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between: DIR-CIDS (101RH) connector AA/A15 and the connector 7213VC4 pin A/1, DIR-CIDS (101RH) connector AA/B15 and the connector 7213VC4 pin
 - If there is no continuity:

A/2.

- repair the wiring between the DIR-CIDS (101RH) and the connector 7213VC4 (Ref. ASM 23-73/06).
- If there is continuity:
 - do a check of the wiring (continuity-check) between: DEU mount 2010VU4 pin A/1 and pin A/9, DEU mount 2010VU4 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2010VU4 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
 - b If there is continuity:
 - reconnect the connector 7213VC4 to the DEU mount 2010VU4 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops: DIR-CIDS (101RH) and DEU mount 2010VU8/connector 7213VC8, DIR-CIDS (101RH) and DEU mount 2010VU30/connector 7213VC30, DIR-CIDS (101RH) and DEU mount 2010VU12/connector 7213VC12,

DIR-CIDS (101RH) and DEU mount 2010VU32/connector

DIR-CIDS (101RH) and DEU mount 2010VU18/connector 7213VC18,

DIR-CIDS (101RH) and DEU mount 2010VU22/connector 7213VC22,

DIR-CIDS (101RH) and DEU mount 2014VU4/connector 7253VC4.

- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-A (200RH26) (Ref. AMM TASK 23-73-46-000-001).
 - do a check for a short circuit again.

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- (a) If there is no short circuit:
 - install a new DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
- (b) If there is a short circuit:
 - install the removed DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
 - diconnect the electrical connector 7253VC4 from the DEU mount 2014VU4 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH22) and DEU mount 2010VU22,

DEU-A (200RH18) and DEU mount 2010VU18,

DEU-A (200RH32) and DEU mount 2010VU32

DEU-A (200RH12) and DEU mount 2010VU12,

DEU-A (200RH30) and DEU mount 2010VU30

DEU-A (200RH8) and DEU mount 2010VU8,

DEU-A (200RH4) and DEU mount 2010VU4,

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2010VUxx and the DEU mount 2014VUxx/2010VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001).

**ON A/C 701-749,

- B. If the CIDS1/CIDS BUS test gives the maintenance message TOP LINE 1R:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:

49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS,

121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,

- wait for approx. 120 s.
- do the CIDS2/CIDS BUS test through the MCDU/CFDS.
- (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).

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- (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - do the CIDS1/CIDS BUS test through the MCDU/CFDS.
- (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
- (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1

49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 164RH COM NAV/CIDS/DEU A NORM/R FWD

121VU: 166RH COM NAV/CIDS/DEU A NORM/R MID

121VU: 168RH COM NAV/CIDS/DEU A NORM/R AFT

- make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/A15 and connector AA/B15 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/A15 and GND,

DIR-CIDS (101RH) and (102RH) connector AA/B15 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-A (200RH24) (Ref. AMM TASK 23-73-46-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - close these CBs:

49VU: 154RH COM/CIDS/DEU A ESS/LINE 1

49VU: 155RH COM/CIDS/DEU A ESS/LINE 2

121VU: 164RH COM NAV/CIDS/DEU A NORM/R FWD

121VU: 166RH COM NAV/CIDS/DEU A NORM/R MID

121VU: 168RH COM NAV/CIDS/DEU A NORM/R AFT

- do the CIDS BITE test through the MCDU/CFDS (Ref. AMM TASK 23-73-00-740-005).
- 1 If the CIDS BITE test gives the maintenance message DEU-A 200RH24:
 - install a new DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
- <u>2</u> If the CIDS BITE test gives the maintenance message CIDS TOP LINE 1 R:
 - install the removed DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEUs until the maintenance message stops: (Ref. ASM 23-73/06) DEU-A (200RH20)

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DEU-A (200RH16)
DEU-A (200RH12)
DEU-A (200RH8)
DEU-A (200RH4)

- (b) If there is a short circuit:
 - remove the DEU-A (200RH24) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7253VC2 from the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - b If the fault continues:
 - remove the DEU-A (200RH20) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-A (200RH20) (Ref. AMM TASK 23-73-46-400-001).
 - b.2. If the fault continues:
 - install the removed DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7213VC20 from the DEU mount 2010VU20 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.2.1. If there is no short circuit:
 - do a check for a short circuit at the connector 7213VC20 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
 - b.2.1.1. If there is a short circuit:
 - repair the wiring between the DEU mount 2010VU20 and the DEU mount 2014VU2 (Ref. ASM 23-73/06).
 - b.2.1.2. If there is no short circuit:
 - install a new DEU mount 2010VU20 (Ref. AMM TASK 23-73-48-400-001).

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- b.2.2. If there is a short circuit:
- install the removed DEU-A (200RH20) (Ref. AMM TASK 23-73-46-400-001),
- reconnect the electrical connector to the DEU mount 2010VU20 (Ref. AMM TASK 23-73-48-400-001),
- do the steps (4. B. (5) (b) 2 b) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH16) and DEU mount 2010VU16,

DEU-A (200RH12) and DEU mount 2010VU12,

DEU-A (200RH8) and DEU mount 2010VU8,

DEU-A (200RH4) and DEU mount 2010VU4,

- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7253VC2 from the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:
 DEU mount 2014VU2 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7213VC4 from the DEU mount 2010VU4 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/A15 and the connector 7213VC4 pin A/1,

DIR-CIDS (101RH) connector AA/B15 and the connector 7213VC4 pin A/2.

- 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7213VC4 (Ref. ASM 23-73/06).
- 2 If there is continuity:
 - do a check of the wiring (continuity-check) between:
 DEU mount 2010VU4 pin A/1 and pin A/9,
 DEU mount 2010VU4 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2010VU4 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
 - b If there is continuity:
 - reconnect the connector 7213VC4 to the DEU mount 2010VU4 (Ref. AMM TASK 23-73-48-400-001)

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- do the steps 4. B. (6) again for the subsequent DEU
 mounts until the maintenance message stops:
 DIR-CIDS (101RH) and DEU mount 2010VU8/connector 7213VC8,
 DIR-CIDS (101RH) and DEU mount 2010VU12/connector
 7213VC12,
 DIR-CIDS (101RH) and DEU mount 2010VU16/connector
 7213VC16,
 DIR-CIDS (101RH) and DEU mount 2010VU20/connector
 7213VC20,
 DIR-CIDS (101RH) and DEU mount 2014VU2/connector 7253VC2.
- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-A (200RH24) (Ref. AMM TASK 23-73-46-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - (b) If there is a short circuit:
 - install the removed DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - diconnect the electrical connector 7253VC2 from the DEU mount 2014VU2 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH20) and DEU mount 2010VU20,

DEU-A (200RH16) and DEU mount 2010VU16,

DEU-A (200RH12) and DEU mount 2010VU12,

DEU-A (200RH8) and DEU mount 2010VU8,

DEU-A (200RH4) and DEU mount 2010VU4,

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2010VUxx and the DEU mount 2014VUxx/2010VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001).

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**ON A/C ALL

- C. Installation of removed components
 - Install the removed DIR-CIDS, 1 (101RH) and DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - Install all the removed DEU-A (200RHxx) (Ref. AMM TASK 23-73-46-400-001).
 - Reconnect all the DEU-mount-connectors to the related DEU-mounts (2010VUxx/2014VUx) (Ref. AMM TASK 23-73-48-400-001).
- D. Do the test given in Para. 3.A.

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TASK 23-73-00-810-835

CIDS - Fault in CIDS TOP BUS 2 R

1. Possible Causes

- DIR-CIDS, 1 (101RH)
- DIR-CIDS, 2 (102RH)
- DEU-A (200RH24)
- DEU-A (200RH20)
- DEU-A (200RH14)
- DEU-A (200RH10)
- DEU-A (200RH6)
- DEU-A (200RH2)
- DEU-A (200RH26)
- DEU-A (200RH22)
- DEU-A (200RH18)
- DEU-A (200RH16)
- **DEU** mount 2014VU2
- DEU mount 2010VU20
- wiring
- DEU mount 2010VU14
- DEU mount 2010VU10
- DEU mount 2010VU6
- DEU mount 2010VU2
- DEU mount 2014VU4
- **DEU** mount 2010VU22
- DEU mount 2010VU18
- DEU-A (200RH28)
- DEU mount 2010VU16
- DEU mount 2010VU28

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System
AMM	23-13-00-140-003	(CIDS) through the CFDS
AMM	23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH,102RH)
AMM	23-73-46-000-001	Removal of the Decoder/Encoder Unit A (200RH)
AMM	23-73-46-400-001	Installation of the Decoder/Encoder Unit A (200RH)
AMM	23-73-48-000-001	Removal of the DEU A/DEU B - Mount
AMM	23-73-48-400-001	Installation of the DEU A/DEU B - Mount
ASM	23-73/06	

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3. Fault Confirmation

- A. Test
 - (1) Do the CIDS1/CIDS BUS test through the MCDU/CFDS.
 - (2) Do the CIDS1/DEU-A test through the MCDU/CFDS.

4. Fault Isolation

A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

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- B. If the CIDS1/CIDS BUS test gives the maintenance message TOP LINE 2R:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:
 - 49VU: 157RH (GO2) CIDS/DIR 2/ESS, 121VU:156RH (MO7) CIDS/DIR 2/NORM,
 - wait for approx. 120 s,
 - do the CIDS2/CIDS BUS test through the MCDU/CFDS.
 - (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:
 - 49VU: 157RH (GO2) CIDS/DIR 2/ESS,
 - 121VU:156RH (MO7) CIDS/DIR 2/NORM,
 - install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - do the CIDS1/CIDS BUS test through the MCDU/CFDS.
 - (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/F15 and connector AA/G15 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
 - (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/F15 and GND, DIR-CIDS (101RH) and (102RH) connector AA/G15 and GND. (Ref. ASM

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- (a) If there is no short circuit:
 - remove the DEU-A (200RH24) (Ref. AMM TASK 23-73-46-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - do the CIDS BITE test through the MCDU/CFDS (Ref. AMM TASK 23-73-00-740-005).
 - 1 If the CIDS BITE test gives the maintenance message DEU-A 200RH24:
 - install a new DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - 2 If the CIDS BITE test gives the maintenance message CIDS TOP LINE 2 R:
 - install the removed DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEUs until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH20)

DEU-A (200RH14)

DEU-A (200RH10)

DEU-A (200RH6)

DEU-A (200RH2)

- (b) If there is a short circuit:
 - remove the DEU-A (200RH24) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7253VC2 from the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - b If the fault continues:
 - remove the DEU-A (200RH20) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-A (200RH20) (Ref. AMM TASK 23-73-46-400-001).
 - b.2. If the fault continues:

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- install the removed DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001),
- reconnect the electrical connector to the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001),
- disconnect the electrical connector 7213VC20 from the DEU mount 2010VU20 (Ref. AMM TASK 23-73-48-000-001),
- do a check for a short circuit again.
- b.2.1. If there is no short circuit:
- do a check for a short circuit at the connector 7213VC20 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
- b.2.1.1. If there is a short circuit:
- repair the wiring between the DEU mount 2010VU20 and the DEU mount 2014VU2 (Ref. ASM 23-73/06).
- b.2.1.2. If there is no short circuit:
- install a new DEU mount 2010VU20 (Ref. AMM TASK 23-73-48-400-001).
- b.2.2. If there is a short circuit:
- install the removed DEU-A (200RH20) (Ref. AMM TASK 23-73-46-400-001),
- reconnect the electrical connector to the DEU mount 2010VU20 (Ref. AMM TASK 23-73-48-400-001),
- do the steps (4. B. (5) (b) 2 b) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH14) and DEU mount 2010VU14,

DEU-A (200RH10) and DEU mount 2010VU10,

DEU-A (200RH6) and DEU mount 2010VU6,

DEU-A (200RH2) and DEU mount 2010VU2.

- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7253VC2 from the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:

DEU mount 2014VU2 pin A/1 and pin A/2

- (a) If there is an open circuit:
 - install a new DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001)
- (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7213VC2 from the DEU mount 2010VU2 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:

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DIR-CIDS (101RH) connector AA/F15 and the connector 7213VC2 pin A/1, DIR-CIDS (101RH) connector AA/G15 and the connector 7213VC2 pin A/2.

- 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7213VC2 (Ref. ASM 23-73/06).
- 2 If there is continuity:
 - do a check of the wiring (continuity-check) between:
 DEU mount 2010VU2 pin A/1 and pin A/9,
 DEU mount 2010VU2 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2010VU2 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
 - b If there is continuity:
 - reconnect the connector 7213VC2 to the DEU mount 2010VU2 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU
 mounts until the maintenance message stops:
 DIR-CIDS (101RH) and DEU mount 2010VU6/connector 7213VC6,
 DIR-CIDS (101RH) and DEU mount 2010VU10/connector
 7213VC10,
 DIR-CIDS (101RH) and DEU mount 2010VU14/connector
 7213VC14,
 DIR-CIDS (101RH) and DEU mount 2010VU20/connector
 7213VC20,
 DIR-CIDS (101RH) and DEU mount 2014VU2/connector 7253VC2.
- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-A (200RH24) (Ref. AMM TASK 23-73-46-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - (b) If there is a short circuit:
 - install the removed DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - diconnect the electrical connector 7253VC2 from the DEU mount 2014VU2 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001),

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do the steps 4. B. (7) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH20) and DEU mount 2010VU20, DEU-A (200RH14) and DEU mount 2010VU14, DEU-A (200RH10) and DEU mount 2010VU10

DEU-A (200RH10) and DEU mount 2010VU10, DEU-A (200RH6) and DEU mount 2010VU6,

DEU-A (200RH2) and DEU mount 2010VU2.

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2010VUxx and the DEU mount 2014VUxx/2010VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001).
- R **ON A/C 227-227, 229-275, 426-450,
 - B. If the CIDS1/CIDS BUS test gives the maintenance message TOP LINE 2R:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU:156RH (MO6) CIDS/DIR 2/NORM,

- wait for approx. 120 s,
- do the CIDS2/CIDS BUS test through the MCDU/CFDS.
- (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU: 156RH (MO6) CIDS/DIR 2/NORM,

- install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- do the CIDS1/CIDS BUS test through the MCDU/CFDS.
- (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).

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- (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/F15 and connector AA/G15 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 make sure that the resistance (line to GND) is not less than 50
 - ohms (short circuit) between:
 DIR-CIDS (101RH) and (102RH) connector AA/F15 and GND,

DIR-CIDS (101RH) and (102RH) connector AA/F15 and GND, DIR-CIDS (101RH) and (102RH) connector AA/G15 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-A (200RH26) (Ref. AMM TASK 23-73-46-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - do the CIDS BITE test through the MCDU/CFDS (Ref. AMM TASK 23-73-00-740-005).
 - 1 If the CIDS BITE test gives the maintenance message DEU-A 200RH26:
 - install a new DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
 - 2 If the CIDS BITE test gives the maintenance message CIDS TOP LINE 2 R:
 - install the removed DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEUs until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH22)

DEU-A (200RH18)

DEU-A (200RH14)

DEU-A (200RH10)

DEU-A (200RH6)

DEU-A (200RH2)

- (b) If there is a short circuit:
 - remove the DEU-A (200RH26) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7253VC4 from the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.

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- a If there is no short circuit:
 - install a new DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
- b If the fault continues:
 - remove the DEU-A (200RH22) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-A (200RH22) (Ref. AMM TASK 23-73-46-400-001).
 - b.2. If the fault continues:
 - install the removed DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7213VC22 from the DEU mount 2010VU22 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - 2.1. If there is no short circuit:
 - do a check for a short circuit at the connector 7213VC22 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
 - b.2.1.1. If there is a short circuit:
 - repair the wiring between the DEU mount 2010VU22 and the DEU mount 2014VU4 (Ref. ASM 23-73/06).
 - b.2.1.2. If there is no short circuit:
 - install a new DEU mount 2010VU22 (Ref. AMM TASK 23-73-48-400-001).
 - b.2.2. If there is a short circuit:
 - install the removed DEU-A (200RH22) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2010VU22 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps (4. B. (5) (b) 2 b) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)
 - DEU-A (200RH18) and DEU mount 2010VU18,
 - DEU-A (200RH14) and DEU mount 2010VU14,
 - DEU-A (200RH10) and DEU mount 2010VU10,
 - DEU-A (200RH6) and DEU mount 2010VU6,
 - DEU-A (200RH2) and DEU mount 2010VU2.

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- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7253VC4 from the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:
 DEU mount 2014VU4 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7213VC2 from the DEU mount 2010VU2 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/F15 and the connector 7213VC2 pin A/1,
 DIR-CIDS (101RH) connector AA/G15 and the connector 7213VC2 pin
 - 1 If there is no continuity:

A/2.

- repair the wiring between the DIR-CIDS (101RH) and the connector 7213VC2 (Ref. ASM 23-73/06).
- 2 If there is continuity:
 - do a check of the wiring (continuity-check) between:
 DEU mount 2010VU2 pin A/1 and pin A/9 ,
 DEU mount 2010VU2 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2010VU2 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
 - b If there is continuity:
 - reconnect the connector 7213VC2 to the DEU mount 2010VU2 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops: DIR-CIDS (101RH) and DEU mount 2010VU6/connector 7213VC6, DIR-CIDS (101RH) and DEU mount 2010VU10/connector 7213VC10, DIR-CIDS (101RH) and DEU mount 2010VU14/connector 7213VC14,

DIR-CIDS (101RH) and DEU mount 2010VU18/connector 7213VC18,

DIR-CIDS (101RH) and DEU mount 2010VU22/connector 7213VC22,

DIR-CIDS (101RH) and DEU mount 2014VU4/connector 7253VC4.

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- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-A (200RH26) (Ref. AMM TASK 23-73-46-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
 - (b) If there is a short circuit:
 - install the removed DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
 - diconnect the electrical connector 7253VC4 from the DEU mount 2014VU4 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH22) and DEU mount 2010VU22,

DEU-A (200RH18) and DEU mount 2010VU18,

DEU-A (200RH14) and DEU mount 2010VU14,

DEU-A (200RH10) and DEU mount 2010VU10,

DEU-A (200RH6) and DEU mount 2010VU6,

DEU-A (200RH2) and DEU mount 2010VU2.

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2010VUxx and the DEU mount 2014VUxx/2010VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001).

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

- B. If the CIDS1/CIDS BUS test gives the maintenance message TOP LINE 2R:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU: 156RH (MO7) CIDS/DIR 2/NORM,

- wait for approx. 120 s,
- do the CIDS2/CIDS BUS test through the MCDU/CFDS.

EFF: 227-227, 229-299, 426-450, 476-499, 503-549, SROS

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- (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS, 121VU:156RH (MO7) CIDS/DIR 2/NORM,

- install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- do the CIDS1/CIDS BUS test through the MCDU/CFDS.
- (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
- (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/F15 and connector AA/G15 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/F15 and GND, DIR-CIDS (101RH) and (102RH) connector AA/G15 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-A (200RH24) (Ref. AMM TASK 23-73-46-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - do the CIDS BITE test through the MCDU/CFDS (Ref. AMM TASK 23-73-00-740-005).
 - If the CIDS BITE test gives the maintenance message DEU-A 200RH24:
 - install a new DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - $\underline{2}$ If the CIDS BITE test gives the maintenance message CIDS TOP LINE 2 R:
 - install the removed DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEUs until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH20)

DEU-A (200RH16)

DEU-A (200RH14)

DEU-A (200RH10)

DEU-A (200RH28)

DEU-A (200RH6)

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DEU-A (200RH2)

- (b) If there is a short circuit:
 - remove the DEU-A (200RH24) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7253VC2 from the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - b If the fault continues:
 - remove the DEU-A (200RH20) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-A (200RH20) (Ref. AMM TASK 23-73-46-400-001).
 - b.2. If the fault continues:
 - install the removed DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7213VC20 from the DEU mount 2010VU20 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.2.1. If there is no short circuit:
 - do a check for a short circuit at the connector 7213VC20 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
 - b.2.1.1. If there is a short circuit:
 - repair the wiring between the DEU mount 2010VU20 and the DEU mount 2014VU2 (Ref. ASM 23-73/06).
 - b.2.1.2. If there is no short circuit:
 - install a new DEU mount 2010VU20 (Ref. AMM TASK 23-73-48-400-001).
 - b.2.2. If there is a short circuit:

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- install the removed DEU-A (200RH20) (Ref. AMM TASK 23-73-46-400-001),
- reconnect the electrical connector to the DEU mount 2010VU20 (Ref. AMM TASK 23-73-48-400-001),
- do the steps (4. B. (5) (b) 2 b) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH16) and DEU mount 2010VU16,

DEU-A (200RH14) and DEU mount 2010VU14,

DEU-A (200RH10) and DEU mount 2010VU10,

DEU-A (200RH28) and DEU mount 2010VU28,

DEU-A (200RH6) and DEU mount 2010VU6,

DEU-A (200RH2) and DEU mount 2010VU2.

- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7253VC2 from the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:
 DEU mount 2014VU2 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7213VC2 from the DEU mount 2010VU2 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/F15 and the connector 7213VC2 pin A/1,

DIR-CIDS (101RH) connector AA/G15 and the connector 7213VC2 pin A/2.

- 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7213VC2 (Ref. ASM 23-73/06).
- 2 If there is continuity:
 - do a check of the wiring (continuity-check) between:
 DEU mount 2010VU2 pin A/1 and pin A/9,
 DEU mount 2010VU2 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2010VU2 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)

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- b If there is continuity:
 - reconnect the connector 7213VC2 to the DEU mount 2010VU2 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops: DIR-CIDS (101RH) and DEU mount 2010VU6/connector 7213VC6, DIR-CIDS (101RH) and DEU mount 2010VU28/connector 7213VC28, DIR-CIDS (101RH) and DEU mount 2010VU10/connector 7213VC10, DIR-CIDS (101RH) and DEU mount 2010VU14/connector 7213VC10.

7213VC14,

DIR-CIDS (101RH) and DEU mount 2010VU16/connector 7213VC16,
DIR-CIDS (101RH) and DEU mount 2010VU20/connector

7213VC20, DIR-CIDS (101RH) and DEU mount 2014VU2/connector 7253VC2.

- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-A (200RH24) (Ref. AMM TASK 23-73-46-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - (b) If there is a short circuit:
 - install the removed DEU-A (200RH24) (Ref. AMM TASK 23-73-46-400-001).
 - diconnect the electrical connector 7253VC2 from the DEU mount 2014VU2 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH20) and DEU mount 2010VU20,

DEU-A (200RH16) and DEU mount 2010VU16,

DEU-A (200RH14) and DEU mount 2010VU14,

DEU-A (200RH10) and DEU mount 2010VU10,

DEU-A (200RH28) and DEU mount 2010VU28,

DEU-A (200RH6) and DEU mount 2010VU6,

DEU-A (200RH2) and DEU mount 2010VU2.

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)

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- a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2010VUxx and the DEU mount 2014VUxx/2010VUxx (Ref. ASM 23-73/06).
- b If there is no short circuit:
 - install a new DEU mount 2014VU2 (Ref. AMM TASK 23-73-48-400-001).

**ON A/C 701-749,

- B. If the CIDS1/CIDS BUS test gives the maintenance message TOP LINE 2R:
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:
 - 49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS,
 - 121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,
 - wait for approx. 120 s,
 - do the CIDS2/CIDS BUS test through the MCDU/CFDS.
 - (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - do the CIDS1/CIDS BUS test through the MCDU/CFDS.
 - (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/F15 and connector AA/G15 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
 - (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:
 DIR-CIDS (101RH) and (102RH) connector AA/F15 and GND,

DIR-CIDS (101RH) and (102RH) connector AA/G15 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-A (200RH26) (Ref. AMM TASK 23-73-46-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - do the CIDS BITE test through the MCDU/CFDS (Ref. AMM TASK 23-73-00-740-005).

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- 1 If the CIDS BITE test gives the maintenance message DEU-A 200RH26:
 - install a new DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
- 2 If the CIDS BITE test gives the maintenance message CIDS TOP LINE 2 R:
 - install the removed DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEUs until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH22)

DEU-A (200RH18)

DEU-A (200RH14)

DEU-A (200RH10)

DEU-A (200RH6)

DEU-A (200RH2)

- (b) If there is a short circuit:
 - remove the DEU-A (200RH26) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7253VC4 from the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - b If the fault continues:
 - remove the DEU-A (200RH22) (Ref. AMM TASK 23-73-46-000-001)
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-A (200RH22) (Ref. AMM TASK 23-73-46-400-001).
 - b.2. If the fault continues:
 - install the removed DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001),
 - reconnect the electrical connector to the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7213VC22 from the DEU mount 2010VU22 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.

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- b.2.1. If there is no short circuit:
- do a check for a short circuit at the connector 7213VC22 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
- b.2.1.1. If there is a short circuit:
- repair the wiring between the DEU mount 2010VU22 and the DEU mount 2014VU4 (Ref. ASM 23-73/06).
- b.2.1.2. If there is no short circuit:
- install a new DEU mount 2010VU22 (Ref. AMM TASK 23-73-48-400-001).
- b.2.2. If there is a short circuit:
- install the removed DEU-A (200RH22) (Ref. AMM TASK 23-73-46-400-001),
- reconnect the electrical connector to the DEU mount 2010VU22 (Ref. AMM TASK 23-73-48-400-001),
- do the steps (4. B. (5) (b) 2 b) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH18) and DEU mount 2010VU18,

DEU-A (200RH14) and DEU mount 2010VU14,

DEU-A (200RH10) and DEU mount 2010VU10,

DEU-A (200RH6) and DEU mount 2010VU6,

DEU-A (200RH2) and DEU mount 2010VU2.

- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7253VC4 from the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:
 DEU mount 2014VU4 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7213VC2 from the DEU mount 2010VU2 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/F15 and the connector 7213VC2 pin A/1,

DIR-CIDS (101RH) connector AA/G15 and the connector 7213VC2 pin A/2.

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- 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7213VC2 (Ref. ASM 23-73/06).
- 2 If there is continuity:
 - do a check of the wiring (continuity-check) between: DEU mount 2010VU2 pin A/1 and pin A/9, DEU mount 2010VU2 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2010VU2 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
 - If there is continuity:
 - reconnect the connector 7213VC2 to the DEU mount 2010VU2 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops: DIR-CIDS (101RH) and DEU mount 2010VU6/connector 7213VC6, DIR-CIDS (101RH) and DEU mount 2010VU10/connector 7213VC10, DIR-CIDS (101RH) and DEU mount 2010VU14/connector 7213VC14, DIR-CIDS (101RH) and DEU mount 2010VU18/connector 7213VC18, DIR-CIDS (101RH) and DEU mount 2010VU22/connector 7213VC22,

DIR-CIDS (101RH) and DEU mount 2014VU4/connector 7253VC4.

- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-A (200RH26) (Ref. AMM TASK 23-73-46-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
 - (b) If there is a short circuit:
 - install the removed DEU-A (200RH26) (Ref. AMM TASK 23-73-46-400-001).
 - diconnect the electrical connector 7253VC4 from the DEU mount 2014VU4 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEUs and DEU mounts until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-A (200RH22) and DEU mount 2010VU22, DEU-A (200RH18) and DEU mount 2010VU18,

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DEU-A (200RH14) and DEU mount 2010VU14, DEU-A (200RH10) and DEU mount 2010VU10, DEU-A (200RH6) and DEU mount 2010VU6, DEU-A (200RH2) and DEU mount 2010VU2.

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2010VUxx and the DEU mount 2014VUxx/2010VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2014VU4 (Ref. AMM TASK 23-73-48-400-001).

**ON A/C ALL

- C. Installation of removed components
 - Install the removed DIR-CIDS, 1 (101RH) and DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - Install all the removed DEU-A (200RHxx) (Ref. AMM TASK 23-73-46-400-001).
 - Reconnect all the DEU-mount-connectors to the related DEU-mounts (2010VUxx/2014VUx) (Ref. AMM TASK 23-73-48-400-001).
- D. Do the test given in Para. 3.A.

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TASK 23-73-00-810-836

CIDS - Fault in the CIDS MID BUS L

1. Possible Causes

- DIR-CIDS, 1 (101RH)
- DIR-CIDS, 2 (102RH)
- DEU-B (300RH5)
- DEU-B (300RH1)
- DEU mount 2015VU1
- DEU mount 2011VU3
- wiring
- **DEU** mount 2011VU1
- DEU-B (300RH7)
- DEU mount 2011VU7

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System
		(CIDS) through the CFDS
AMM	23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH,102RH)
AMM	23-73-47-000-001	Removal of the Decoder/Encoder Unit B (300RH)
AMM	23-73-47-400-001	Installation of the Decoder/Encoder Unit B (300RH)
AMM	23-73-48-000-001	Removal of the DEU A/DEU B - Mount
AMM	23-73-48-400-001	Installation of the DEU A/DEU B - Mount
ASM	23-73/06	

3. Fault Confirmation

A. Test

- (1) Do the CIDS1/CIDS BUS test through the CFDS/MCDU.
- (2) Do the CIDS1/DEU-B test through the CFDS/MCDU.

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4. Fault Isolation

A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 451-475, 551-599,

- B. If the CIDS1/CIDS BUS test gives the maintenance message CIDS MID BUS L:
 - make sure that at least one cabin door is open,
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - close these CBs:
 - 49VU: 157RH (GO2) CIDS/DIR 2/ESS, 121VU:156RH (MO7) CIDS/DIR 2/NORM,
 - wait for approx. 120 s,
 - do the CIDS2/CIDS BUS test through the CFDS/MCDU.
 - (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS, 121VU: 156RH (MO7) CIDS/DIR 2/NORM,

- install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- do the CIDS1/CIDS BUS test through the CFDS/MCDU.
- (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
- (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:

49VU: 153RH COM/CIDS/DEU B/ESS

121VU: 162RH COM NAV/CIDS/DEU B/NORM

- make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/D14 and connector AA/E14 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

 DIR-CIDS (101PH) and (102PH) connector AA/D14 and GND

DIR-CIDS (101RH) and (102RH) connector AA/D14 and GND, DIR-CIDS (101RH) and (102RH) connector AA/E14 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).

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EFF: ALL

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- close these CBs:
 - 49VU: 153RH COM/CIDS/DEU B/ESS
 - 121VU: 162RH COM NAV/CIDS/DEU B/NORM
- do the CIDS BITE test through the CFDS/MCDU (Ref. AMM TASK 23-73-00-740-005).
- 1 If the CIDS BITE test gives the maintenance message DEU-B 300RH5:
 - install a new DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
- 2 If the CIDS BITE test gives the maintenance message CIDS MID BUS L:
 - install the removed DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEU(s) until the maintenance message stops: (Ref. ASM 23-73/06) DEU-B (300RH1)
- (b) If there is a short circuit:
 - remove the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001).
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7247VC1 from the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - b If the fault continues:
 - install the removed DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001),
 - reconnect the electrical connector to the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7201VC3 from the DEU mount 2011VU3 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - do a check for a short circuit at the disconnected connector 7201VC3 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
 - b.1.1. If there is a short circuit:

EFF: 201-225, 451-475, 551-599,

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- repair the wiring between the DEU mount 2011VU3 and the DEU mount 2015VU1 (Ref. ASM 23-73/06).
- b.1.2. If there is no short circuit:
- install a new DEU mount 2011VU3 (Ref. AMM TASK 23-73-48-400-001).
- b.2. If there is a short circuit:
- reconnect the electrical connector to the DEU mount 2011VU3 (Ref. AMM TASK 23-73-48-400-001),
- do the steps (4. B. (5) (b) 2 b) again for the subsequent DEU(s) and DEU mount(s) until the maintenance message stops: (Ref. ASM 23-73/06) DEU-B (300RH1) and DEU mount 2011VU1.
- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7247VC1 from the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:
 DEU mount 2015VU1 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7201VC1 from the DEU mount 2011VU1 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/D14 and the connector 7201VC1 pin A/1,
 DIR-CIDS (101RH) connector AA/E14 and the connector 7201VC1 pin A/2.
 - 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7201VC1 (Ref. ASM 23-73/06).
 - 2 If there is continuity:
 - do a check of the wiring (continuity-check) between:
 DEU mount 2011VU1 pin A/1 and pin A/9,
 DEU mount 2011VU1 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2011VU1 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)

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- b If there is continuity:
 - reconnect the connector 7201VC1 to the DEU mount 2011VU1 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops:
 DIR-CIDS (101RH) and DEU mount 2011VU3/connector 7201VC3,
 DIR-CIDS (101RH) and DEU mount 2015VU1/connector 7247VC1.
- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
 - (b) If there is a short circuit:
 - install the removed DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
 - diconnect the electrical connector 7247VC1 from the DEU mount 2015VU1 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEU(s) and DEU mount(s) until the maintenance message stops: (Ref. ASM 23-73/06)

DEU mount 2011VU3,

DEU-B (300RH1) and DEU mount 2011VU1,

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2011VUxx and the DEU mount 2015VUxx/2011VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001).
- R **ON A/C 227-227, 229-275, 426-450,
 - B. If the CIDS1/CIDS BUS test gives the maintenance message CIDS MID BUS L:
 - make sure that at least one cabin door is open,
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

EFF: 201-225, 227-227, 229-275, 426-475, 551-599, SROS

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121VU: 156RH (MO6) CIDS/DIR 2/NORM,

- wait for approx. 120 s.
- do the CIDS2/CIDS BUS test through the CFDS/MCDU.
- (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS, 121VU: 156RH (MO6) CIDS/DIR 2/NORM,

- install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- do the CIDS1/CIDS BUS test through the CFDS/MCDU.
- (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
- (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:

49VU: 153RH COM/CIDS/DEU B/ESS

121VU: 162RH COM NAV/CIDS/DEU B/NORM

- make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/D14 and connector AA/E14 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/D14 and GND, DIR-CIDS (101RH) and (102RH) connector AA/E14 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - close these CBs:

49VU: 153RH COM/CIDS/DEU B/ESS

121VU: 162RH COM NAV/CIDS/DEU B/NORM

- do the CIDS BITE test through the CFDS/MCDU (Ref. AMM TASK 23- 73-00-740-005).
- 1 If the CIDS BITE test gives the maintenance message DEU-B 300RH5:
 - install a new DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
- 2 If the CIDS BITE test gives the maintenance message CIDS MID BUS L:

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- install the removed DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
- do the steps 4. B. (5) (a) again for the subsequent DEU(s) until the maintenance message stops: (Ref. ASM 23-73/06) DEU-B (300RH1)
- (b) If there is a short circuit:
 - remove the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001).
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7247VC1 from the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - b If the fault continues:
 - install the removed DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001),
 - reconnect the electrical connector to the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7201VC3 from the DEU mount 2011VU3 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - do a check for a short circuit at the disconnected connector 7201VC3 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
 - b.1.1. If there is a short circuit:
 - repair the wiring between the DEU mount 2011VU3 and the DEU mount 2015VU1 (Ref. ASM 23-73/06).
 - b.1.2. If there is no short circuit:
 - install a new DEU mount 2011VU3 (Ref. AMM TASK 23-73-48-400-001).
 - b.2. If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2011VU3 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps (4. B. (5) (b) 2 b) again for the subsequent DEU(s) and DEU mount(s) until the maintenance message stops: (Ref. ASM 23-73/06) DEU-B (300RH1) and DEU mount 2011VU1.

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- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7247VC1 from the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between: DEU mount 2015VU1 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7201VC1 from the DEU mount 2011VU1 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between: DIR-CIDS (101RH) connector AA/D14 and the connector 7201VC1 pin
 - DIR-CIDS (101RH) connector AA/E14 and the connector 7201VC1 pin A/2.
 - If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7201VC1 (Ref. ASM 23-73/06).
 - If there is continuity:
 - do a check of the wiring (continuity-check) between: DEU mount 2011VU1 pin A/1 and pin A/9, DEU mount 2011VU1 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2011VU1 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
 - b If there is continuity:
 - reconnect the connector 7201VC1 to the DEU mount 2011VU1 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops: DIR-CIDS (101RH) and DEU mount 2011VU3/connector 7201VC3, DIR-CIDS (101RH) and DEU mount 2015VU1/connector 7247VC1.
- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).

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EFF:

227-227, 229-275, 426-450,

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- (b) If there is a short circuit:
 - install the removed DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
 - diconnect the electrical connector 7247VC1 from the DEU mount 2015VU1 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEU(s) and DEU mount(s) until the maintenance message stops: (Ref. ASM 23-73/06)

DEU mount 2011VU3,

DEU-B (300RH1) and DEU mount 2011VU1,

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2011VUxx and the DEU mount 2015VUxx/2011VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001).

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

- B. If the CIDS1/CIDS BUS test gives the maintenance message CIDS MID BUS L:
 - make sure that at least one cabin door is open,
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU:156RH (MO7) CIDS/DIR 2/NORM,

- wait for approx. 120 s.
- do the CIDS2/CIDS BUS test through the CFDS/MCDU.
- (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS , 1 (101RH) do not close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU:156RH (MO7) CIDS/DIR 2/NORM,

- install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- do the CIDS1/CIDS BUS test through the CFDS/MCDU.

EFF: 227-227, 229-299, 426-450, 476-499, 503-549,

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- (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
- (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:

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- 49VU: 153RH COM/CIDS/DEU B/ESS
- 121VU: 162RH COM NAV/CIDS/DEU B/NORM
- make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/D14 and connector AA/E14 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
- make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:
 DIR-CIDS (101RH) and (102RH) connector AA/D14 and GND,
 DIR-CIDS (101RH) and (102RH) connector AA/E14 and GND. (Ref. ASM
 - (a) If there is no short circuit:
 - remove the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - close these CBs:
 - 49VU: 153RH COM/CIDS/DEU B/ESS
 - 121VU: 162RH COM NAV/CIDS/DEU B/NORM
 - do the CIDS BITE test through the CFDS/MCDU (Ref. AMM TASK 23-73-00-740-005).
 - 1 If the CIDS BITE test gives the maintenance message DEU-B 300RH5:
 - install a new DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
 - <u>2</u> If the CIDS BITE test gives the maintenance message CIDS MID BUS L:
 - install the removed DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEU(s)
 until the maintenance message stops: (Ref. ASM 23-73/06)
 DEU-B (300RH7)
 DEU-B (300RH1)
 - (b) If there is a short circuit:
 - remove the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001).
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).

EFF: 276-299, 476-499, 503-549,

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- 2 If the fault continues:
 - disconnect the electrical connector 7247VC1 from the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - b If the fault continues:
 - install the removed DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001),
 - reconnect the electrical connector to the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001),
 - disconnect the electrical connector 7201VC3 from the DEU mount 2011VU3 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - do a check for a short circuit at the disconnected connector 7201VC3 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
 - b.1.1. If there is a short circuit:
 - repair the wiring between the DEU mount 2011VU3 and the DEU mount 2015VU1 (Ref. ASM 23-73/06).
 - b.1.2. If there is no short circuit:
 - install a new DEU mount 2011VU3 (Ref. AMM TASK 23-73-48-400-001).
 - b.2. If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2011VU3 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps (4. B. (5) (b) 2 b) again for the subsequent DEU(s) and DEU mount(s) until the maintenance message stops: (Ref. ASM 23-73/06) DEU-B (300RH7) and DEU mount 2011VU7, DEU-B (300RH1) and DEU mount 2011VU1.
- - disconnect the electrical connector 7247VC1 from the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:
 DEU mount 2015VU1 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001)

EFF: 276-299, 476-499, 503-549,

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- (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7201VC1 from the DEU mount 2011VU1 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/D14 and the connector 7201VC1 pin A/1,

DIR-CIDS (101RH) connector AA/E14 and the connector 7201VC1 pin A/2.

- 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7201VC1 (Ref. ASM 23-73/06).
- 2 If there is continuity:
 - do a check of the wiring (continuity-check) between:
 DEU mount 2011VU1 pin A/1 and pin A/9 ,
 DEU mount 2011VU1 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2011VU1 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
 - b If there is continuity:
 - reconnect the connector 7201VC1 to the DEU mount 2011VU1 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops:
 DIR-CIDS (101RH) and DEU mount 2011VU7/connector 7201VC7,
 DIR-CIDS (101RH) and DEU mount 2011VU3/connector 7201VC3,
 DIR-CIDS (101RH) and DEU mount 2015VU1/connector 7247VC1.
- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
 - (b) If there is a short circuit:
 - install the removed DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
 - diconnect the electrical connector 7247VC1 from the DEU mount 2015VU1 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001),

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- do the steps 4. B. (7) again for the subsequent DEU(s) and DEU mount(s) until the maintenance message stops: (Ref. ASM 23-73/06) DEU mount 2011VU3, DEU-B (300RH7) and DEU mount 2011VU7, DEU-B (300RH1) and DEU mount 2011VU1,
- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2011VUxx and the DEU mount 2015VUxx/2011VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001).

**ON A/C 701-749,

- B. If the CIDS1/CIDS BUS test gives the maintenance message CIDS MID BUS L:
 - make sure that at least one cabin door is open,
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - close these CBs:
 - 49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS, 121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,
 - wait for approx. 120 s,
 - do the CIDS2/CIDS BUS test through the CFDS/MCDU.
 - (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - do the CIDS1/CIDS BUS test through the CFDS/MCDU.
 - (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:
 49VU: 153RH COM/CIDS/DEU B/ESS
 - 121VU: 162RH COM NAV/CIDS/DEU B/NORM
 - make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/D14 and connector AA/E14 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).

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- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/D14 and GND, DIR-CIDS (101RH) and (102RH) connector AA/E14 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - close these CBs:

49VU: 153RH COM/CIDS/DEU B/ESS

121VU: 162RH COM NAV/CIDS/DEU B/NORM

- do the CIDS BITE test through the CFDS/MCDU (Ref. AMM TASK 23-73-00-740-005).
- _ If the CIDS BITE test gives the maintenance message DEU-B 300RH5:
 - install a new DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
- 2 If the CIDS BITE test gives the maintenance message CIDS MID BUS L:
 - install the removed DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEU(s) until the maintenance message stops: (Ref. ASM 23-73/06) DEU-B (300RH1)
- (b) If there is a short circuit:
 - remove the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001).
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7247VC1 from the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - b If the fault continues:
 - install the removed DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001),
 - reconnect the electrical connector to the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001),

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- disconnect the electrical connector 7201VC3 from the DEU mount 2011VU3 (Ref. AMM TASK 23-73-48-000-001),
- do a check for a short circuit again.
- b.1. If there is no short circuit:
- do a check for a short circuit at the disconnected connector 7201VC3 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
- b.1.1. If there is a short circuit:
- repair the wiring between the DEU mount 2011VU3 and the DEU mount 2015VU1 (Ref. ASM 23-73/06).
- b.1.2. If there is no short circuit:
- install a new DEU mount 2011VU3 (Ref. AMM TASK 23-73-48-400-001).
- b.2. If there is a short circuit:
- reconnect the electrical connector to the DEU mount 2011VU3 (Ref. AMM TASK 23-73-48-400-001),
- do the steps (4. B. (5) (b) 2 b) again for the subsequent DEU(s) and DEU mount(s) until the maintenance message stops: (Ref. ASM 23-73/06) DEU-B (300RH1) and DEU mount 2011VU1.
- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7247VC1 from the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:
 DEU mount 2015VU1 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7201VC1 from the DEU mount 2011VU1 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/D14 and the connector 7201VC1 pin A/1,

DIR-CIDS (101RH) connector AA/E14 and the connector 7201VC1 pin A/2.

- 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7201VC1 (Ref. ASM 23-73/06).

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- 2 If there is continuity:
 - do a check of the wiring (continuity-check) between: DEU mount 2011VU1 pin A/1 and pin A/9, DEU mount 2011VU1 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2011VU1 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
 - b If there is continuity:
 - reconnect the connector 7201VC1 to the DEU mount 2011VU1 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops:
 DIR-CIDS (101RH) and DEU mount 2011VU3/connector 7201VC3,
 DIR-CIDS (101RH) and DEU mount 2015VU1/connector 7247VC1.
- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001).
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
 - (b) If there is a short circuit:
 - install the removed DEU-B (300RH5) (Ref. AMM TASK 23-73-47-400-001).
 - diconnect the electrical connector 7247VC1 from the DEU mount 2015VU1 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEU(s) and DEU mount(s) until the maintenance message stops: (Ref. ASM 23-73/06)

DEU mount 2011VU3,

DEU-B (300RH1) and DEU mount 2011VU1,

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2011VUxx and the DEU mount 2015VUxx/2011VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2015VU1 (Ref. AMM TASK 23-73-48-400-001).

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**ON A/C ALL

- C. Installation of removed components
 - Install the removed DIR-CIDS, 1 (101RH) and DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - Install all the removed DEU-B (300RHxx) (Ref. AMM TASK 23-73-47-400-001).
 - Reconnect all the DEU-mount-connectors to the related DEU-mounts (2011VUxx/2015VUx) (Ref. AMM TASK 23-73-48-400-001).
- D. Do the test given in Para. 3.A.

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TASK 23-73-00-810-837

CIDS - Fault in the CIDS MID BUS R

1. Possible Causes

- DIR-CIDS, 1 (101RH)
- DIR-CIDS, 2 (102RH)
- DEU-B (300RH6)
- DEU-B (300RH4)
- DEU mount 2015VU2
- DEU mount 2011VU4
- wiring
- DEU mount 2011VU2
- DEU mount 2011VU8

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM	23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH,102RH)
AMM	23-73-47-000-001	Removal of the Decoder/Encoder Unit B (300RH)
AMM	23-73-47-400-001	Installation of the Decoder/Encoder Unit B (300RH)
AMM	23-73-48-000-001	Removal of the DEU A/DEU B - Mount
AMM	23-73-48-400-001	Installation of the DEU A/DEU B - Mount
ASM	23-73/06	

3. Fault Confirmation

- A. Test
 - (1) Do the CIDS1/CIDS BUS test through the CFDS/MCDU.
 - (2) Do the CIDS1/DEU-B test through the CFDS/MCDU.

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4. Fault Isolation

A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 451-475, 551-599,

- B. If the CIDS1/CIDS BUS test gives the maintenance message CIDS MID BUS R:
 - make sure that at least one cabin door is open,
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - close these CBs:
 - 49VU: 157RH (GO2) CIDS/DIR 2/ESS, 121VU:156RH (MO7) CIDS/DIR 2/NORM,
 - wait for approx. 120 s.
 - do the CIDS2/CIDS BUS test through the CFDS/MCDU.
 - (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS, 121VU: 156RH (MO7) CIDS/DIR 2/NORM,

- install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- do the CIDS1/CIDS BUS test through the CFDS/MCDU.
- (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
- (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:

49VU: 153RH COM/CIDS/DEU B/ESS

120VU: 162RH COM NAV/CIDS/DEU B/NORM

- make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/A14 and connector AA/B14 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:
 DIR-CIDS (101RH) and (102RH) connector AA/A14 and GND,

DIR-CIDS (101RH) and (102RH) connector AA/A14 and GND, (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-B (300RH6) (Ref. AMM TASK 23-73-47-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).

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|EFF : ALL

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- close these CBs:
 - 49VU: 153RH COM/CIDS/DEU B/ESS
 - 120VU: 162RH COM NAV/CIDS/DEU B/NORM
- do the CIDS BITE test through the CFDS/MCDU (Ref. AMM TASK 23-73-00-740-005).
- 1 If the CIDS BITE test gives the maintenance message DEU-B 300RH6:
 - install a new DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001).
- 2 If the CIDS BITE test gives the maintenance message CIDS MID BUS R:
 - install the removed DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEU(s) until the maintenance message stops: (Ref. ASM 23-73/06)
 DEU-B (300RH4)
- (b) If there is a short circuit:
 - remove the DEU-B (300RH6) (Ref. AMM TASK 23-73-47-000-001),
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7247VC2 from the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - b If the fault continues:
 - install the removed DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001),
 - reconnect the electrical connector to the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001),
 - remove the DEU-B (300RH4) (Ref. AMM TASK 23-73-47-000-001),
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-B (300RH4) (Ref. AMM TASK 23-73-47-400-001),
 - b.2. If the fault continues:
 - disconnect the electrical connector 7201VC4 from the DEU mount 2011VU4 (Ref. AMM TASK 23-73-48-000-001),

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- do a check for a short circuit again.
- b.2.1. If there is no short circuit:
- do a check for a short circuit at the disconnected connector 7201VC4 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
- b.2.1.1. If there is a short circuit:
- repair the wiring between the DEU mount 2011VU4 and the DEU mount 2015VU2 (Ref. ASM 23-73/06).
- b.2.1.2. If there is no short circuit:
- install a new DEU mount 2011VU4 (Ref. AMM TASK 23-73-48-400-001).
- b.2.2. If there is a short circuit:
- install the removed DEU-B (300RH4) (Ref. AMM TASK 23-73-47-400-001),
- reconnect the electrical connector to the DEU mount 2011VU4 (Ref. AMM TASK 23-73-48-400-001),
- do the steps (4. B. (5) (b) 2 b) again for the subsequent DEU(s) and DEU mount(s) until the maintenance message stops: (Ref. ASM 23-73/06) DEU mount 2011VU2.
- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7247VC2 from the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:
 DEU mount 2015VU2 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7201VC2 from the DEU mount 2011VU2 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/A14 and the connector 7201VC2 pin A/1,

DIR-CIDS (101RH) connector AA/B14 and the connector 7201VC2 pin A/2.

- 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7201VC2 (Ref. ASM 23-73/06).

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- 2 If there is continuity:
 - do a check of the wiring (continuity-check) between: DEU mount 2011VU2 pin A/1 and pin A/9, DEU mount 2011VU2 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2011VU2 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
 - b If there is continuity:
 - reconnect the connector 7201VC2 to the DEU mount 2011VU2 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops: DIR-CIDS (101RH) and DEU mount 2011VU4/connector 7201VC4, DIR-CIDS (101RH) and DEU mount 2015VU2/connector 7247VC2.
- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-B (300RH6) (Ref. AMM TASK 23-73-47-000-001),
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001),
 - (b) If there is a short circuit:
 - install the removed DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001),
 - diconnect the electrical connector 7247VC2 from the DEU mount 2015VU2 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEU(s) and DEU mount(s) until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-B (300RH4) and DEU mount 2011VU4, DEU mount 2011VU2,

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2011VUxx and the DEU mount 2015VUxx/2011VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001).

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R **ON A/C 227-227, 229-275, 426-450,

- B. If the CIDS1/CIDS BUS test gives the maintenance message CIDS MID BUS R:
 - make sure that at least one cabin door is open,
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU:156RH (MO6) CIDS/DIR 2/NORM,

- wait for approx. 120 s,
- do the CIDS2/CIDS BUS test through the CFDS/MCDU.
- (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU: 156RH (MO6) CIDS/DIR 2/NORM,

- install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- do the CIDS1/CIDS BUS test through the CFDS/MCDU.
- (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
- (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:

49VU: 153RH COM/CIDS/DEU B/ESS

120RH: 162RH COM NAV/CIDS/DEU B/NORM

- make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/A14 and connector AA/B14 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/A14 and GND,

DIR-CIDS (101RH) and (102RH) connector AA/B14 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-B (300RH6) (Ref. AMM TASK 23-73-47-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - close these CBs:

49VU: 153RH COM/CIDS/DEU B/ESS

120RH: 162RH COM NAV/CIDS/DEU B/NORM

- do the CIDS BITE test through the CFDS/MCDU (Ref. AMM TASK 23-73-00-740-005).

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- 1 If the CIDS BITE test gives the maintenance message DEU-B 300RH6:
 - install a new DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001).
- $\underline{2}$ If the CIDS BITE test gives the maintenance message CIDS MID BUS R:
 - install the removed DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001).
 - close these CBs:
 49VU: 153RH COM/CIDS/DEU B/ESS
 120RH: 162RH COM NAV/CIDS/DEU B/NORM
 - do the steps 4. B. (5) (a) again for the subsequent DEU(s) until the maintenance message stops: (Ref. ASM 23-73/06) DEU-B (300RH4)
- (b) If there is a short circuit:
 - remove the DEU-B (300RH6) (Ref. AMM TASK 23-73-47-000-001),
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7247VC2 from the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - b If the fault continues:
 - install the removed DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001),
 - reconnect the electrical connector to the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001),
 - remove the DEU-B (300RH4) (Ref. AMM TASK 23-73-47-000-001),
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-B (300RH4) (Ref. AMM TASK 23-73-47-400-001),
 - b.2. If the fault continues:
 - disconnect the electrical connector 7201VC4 from the DEU mount 2011VU4 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.2.1. If there is no short circuit:

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- do a check for a short circuit at the disconnected connector 7201VC4 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
- b.2.1.1. If there is a short circuit:
- repair the wiring between the DEU mount 2011VU4 and the DEU mount 2015VU2 (Ref. ASM 23-73/06).
- b.2.1.2. If there is no short circuit:
- install a new DEU mount 2011VU4 (Ref. AMM TASK 23-73-48-400-001).
- b.2.2. If there is a short circuit:
- install the removed DEU-B (300RH4) (Ref. AMM TASK 23-73-47-400-001),
- reconnect the electrical connector to the DEU mount 2011VU4 (Ref. AMM TASK 23-73-48-400-001),
- do the steps (4. B. (5) (b) 2 b) again for the subsequent DEU(s) and DEU mount(s) until the maintenance message stops: (Ref. ASM 23-73/06) DEU mount 2011VU2.
- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7247VC2 from the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:
 DEU mount 2015VU2 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7201VC2 from the DEU mount 2011VU2 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/A14 and the connector 7201VC2 pin A/1,
 - DIR-CIDS (101RH) connector AA/B14 and the connector 7201VC2 pin A/2.
 - 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7201VC2 (Ref. ASM 23-73/06).
 - 2 If there is continuity:
 - do a check of the wiring (continuity-check) between: DEU mount 2011VU2 pin A/1 and pin A/9,

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227-227, 229-275, 426-450,

EFF:

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DEU mount 2011VU2 pin A/2 and pin A/10.

- a If there is no continuity:
 - install a new DEU mount 2011VU2 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
- b If there is continuity:
 - reconnect the connector 7201VC2 to the DEU mount 2011VU2 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops:
 DIR-CIDS (101RH) and DEU mount 2011VU4/connector 7201VC4,
 DIR-CIDS (101RH) and DEU mount 2015VU2/connector 7247VC2.
- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-B (300RH6) (Ref. AMM TASK 23-73-47-000-001),
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001),
 - (b) If there is a short circuit:
 - install the removed DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001),
 - diconnect the electrical connector 7247VC2 from the DEU mount 2015VU2 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEU(s) and DEU mount(s) until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-B (300RH4) and DEU mount 2011VU4, DEU mount 2011VU2,

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2011VUxx and the DEU mount 2015VUxx/2011VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001).

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

- B. If the CIDS1/CIDS BUS test gives the maintenance message CIDS MID BUS R:
 - make sure that at least one cabin door is open,
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU:156RH (MO7) CIDS/DIR 2/NORM,

- wait for approx. 120 s.
- do the CIDS2/CIDS BUS test through the CFDS/MCDU.
- (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - during the installation of the DIR-CIDS, 1 (101RH) do not close these CBs:

49VU: 157RH (GO2) CIDS/DIR 2/ESS,

121VU: 156RH (MO7) CIDS/DIR 2/NORM,

- install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- do the CIDS1/CIDS BUS test through the CFDS/MCDU.
- (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
- (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:

49VU: 153RH COM/CIDS/DEU B/ESS

120VU: 162RH COM NAV/CIDS/DEU B/NORM

- make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/A14 and connector AA/B14 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:

DIR-CIDS (101RH) and (102RH) connector AA/A14 and GND,

DIR-CIDS (101RH) and (102RH) connector AA/B14 and GND. (Ref. ASM 23-73/06)

- (a) If there is no short circuit:
 - remove the DEU-B (300RH6) (Ref. AMM TASK 23-73-47-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - do the CIDS BITE test through the CFDS/MCDU (Ref. AMM TASK 23-73-00-740-005).
 - close these CBs:

49VU: 153RH COM/CIDS/DEU B/ESS

120VU: 162RH COM NAV/CIDS/DEU B/NORM

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- 1 If the CIDS BITE test gives the maintenance message DEU-B 300RH6:
 - install a new DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001).
- <u>2</u> If the CIDS BITE test gives the maintenance message CIDS MID BUS R:
 - install the removed DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEU(s) until the maintenance message stops: (Ref. ASM 23-73/06) DEU-B (300RH4)
- (b) If there is a short circuit:
 - remove the DEU-B (300RH6) (Ref. AMM TASK 23-73-47-000-001),
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7247VC2 from the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - b If the fault continues:
 - install the removed DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001),
 - reconnect the electrical connector to the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001),
 - remove the DEU-B (300RH4) (Ref. AMM TASK 23-73-47-000-001),
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-B (300RH4) (Ref. AMM TASK 23-73-47-400-001),
 - b.2. If the fault continues:
 - disconnect the electrical connector 7201VC4 from the DEU mount 2011VU4 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.2.1. If there is no short circuit:
 - do a check for a short circuit at the disconnected connector 7201VC4 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).

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- b.2.1.1. If there is a short circuit:
- repair the wiring between the DEU mount 2011VU4 and the DEU mount 2015VU2 (Ref. ASM 23-73/06).
- b.2.1.2. If there is no short circuit:
- install a new DEU mount 2011VU4 (Ref. AMM TASK 23-73-48-400-001).
- b.2.2. If there is a short circuit:
- install the removed DEU-B (300RH4) (Ref. AMM TASK 23-73-47-400-001),
- reconnect the electrical connector to the DEU mount 2011VU4 (Ref. AMM TASK 23-73-48-400-001),
- do the steps (4. B. (5) (b) 2 b) again for the subsequent DEU(s) and DEU mount(s) until the maintenance message stops: (Ref. ASM 23-73/06) DEU mount 2011VU8, DEU mount 2011VU2.
- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7247VC2 from the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:
 DEU mount 2015VU2 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7201VC2 from the DEU mount 2011VU2 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/A14 and the connector 7201VC2 pin A/1,
 DIR CIDS (101RH) connector AA/R14 and the connector 7201VC2 pin A/1.
 - DIR-CIDS (101RH) connector AA/B14 and the connector 7201VC2 pin A/2.
 - 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7201VC2 (Ref. ASM 23-73/06).
 - 2 If there is continuity:
 - do a check of the wiring (continuity-check) between:
 DEU mount 2011VU2 pin A/1 and pin A/9 ,
 DEU mount 2011VU2 pin A/2 and pin A/10.

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- a If there is no continuity:
 - install a new DEU mount 2011VU2 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)
- b If there is continuity:
 - reconnect the connector 7201VC2 to the DEU mount 2011VU2 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops: DIR-CIDS (101RH) and DEU mount 2011VU8/connector 7201VC8, DIR-CIDS (101RH) and DEU mount 2011VU4/connector 7201VC4, DIR-CIDS (101RH) and DEU mount 2015VU2/connector 7247VC2.
- (7) If the resistance (line to line) is less than 80 ohms (short circuit):
 - remove the DEU-B (300RH6) (Ref. AMM TASK 23-73-47-000-001),
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001),
 - (b) If there is a short circuit:
 - install the removed DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001),
 - diconnect the electrical connector 7247VC2 from the DEU mount 2015VU2 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEU(s) and DEU mount(s) until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-B (300RH4) and DEU mount 2011VU4,

DEU mount 2011VU8,

DEU mount 2011VU2,

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2011VUxx and the DEU mount 2015VUxx/2011VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001).

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**ON A/C 701-749,

- B. If the CIDS1/CIDS BUS test gives the maintenance message CIDS MID BUS R:
 - make sure that at least one cabin door is open,
 - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - close these CBs:
 - 49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS,
 - 121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,
 - wait for approx. 120 s.
 - do the CIDS2/CIDS BUS test through the CFDS/MCDU.
 - (1) If the CIDS2/CIDS BUS test is OK:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (2) If the fault continues:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - install the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - do the CIDS1/CIDS BUS test through the CFDS/MCDU.
 - (3) If the CIDS1/CIDS BUS test is OK:
 - install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - (4) If the fault continues:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001)
 - open these CBs:

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- 49VU: 153RH COM/CIDS/DEU B/ESS
- 120VU: 162RH COM NAV/CIDS/DEU B/NORM
- make sure that the resistance (line to line) at DIR-CIDS (101RH) and (102RH) connector AA/A14 and connector AA/B14 is between approx. 80 and 200 ohms (Ref. ASM 23-73/06).
- (5) If the resistance (line to line) is between approx. 80 and 200 ohms:
 - make sure that the resistance (line to GND) is not less than 50 ohms (short circuit) between:
 DIR-CIDS (101RH) and (102RH) connector AA/A14 and GND,
 DIR-CIDS (101RH) and (102RH) connector AA/B14 and GND. (Ref. ASM
 - (a) If there is no short circuit:
 - remove the DEU-B (300RH6) (Ref. AMM TASK 23-73-47-000-001)
 - install the DIR-CIDS (101RH) and DIR-CIDS (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - close these CBs:
 - 49VU: 153RH COM/CIDS/DEU B/ESS
 - 120VU: 162RH COM NAV/CIDS/DEU B/NORM
 - do the CIDS BITE test through the CFDS/MCDU (Ref. AMM TASK 23- 73-00-740-005).
 - 1 If the CIDS BITE test gives the maintenance message DEU-B 300RH6:

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- install a new DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001).
- <u>2</u> If the CIDS BITE test gives the maintenance message CIDS MID BUS R:
 - install the removed DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001).
 - do the steps 4. B. (5) (a) again for the subsequent DEU(s) until the maintenance message stops: (Ref. ASM 23-73/06) DEU-B (300RH4)
- (b) If there is a short circuit:
 - remove the DEU-B (300RH6) (Ref. AMM TASK 23-73-47-000-001),
 - do a check for a short circuit again.
 - 1 If there is no short circuit:
 - install a new DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001).
 - 2 If the fault continues:
 - disconnect the electrical connector 7247VC2 from the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-000-001).
 - do a check for a short circuit again.
 - a If there is no short circuit:
 - install a new DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001).
 - b If the fault continues:
 - install the removed DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001),
 - reconnect the electrical connector to the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001),
 - remove the DEU-B (300RH4) (Ref. AMM TASK 23-73-47-000-001).
 - do a check for a short circuit again.
 - b.1. If there is no short circuit:
 - install a new DEU-B (300RH4) (Ref. AMM TASK 23-73-47-400-001),
 - b.2. If the fault continues:
 - disconnect the electrical connector 7201VC4 from the DEU mount 2011VU4 (Ref. AMM TASK 23-73-48-000-001),
 - do a check for a short circuit again.
 - b.2.1. If there is no short circuit:
 - do a check for a short circuit at the disconnected connector 7201VC4 between pin 9 and GND (pin 11) and between pin 10 and GND (pin 11).
 - b.2.1.1. If there is a short circuit:

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- repair the wiring between the DEU mount 2011VU4 and the DEU mount 2015VU2 (Ref. ASM 23-73/06).
- b.2.1.2. If there is no short circuit:
- install a new DEU mount 2011VU4 (Ref. AMM TASK 23-73-48-400-001).
- b.2.2. If there is a short circuit:
- install the removed DEU-B (300RH4) (Ref. AMM TASK 23-73-47-400-001),
- reconnect the electrical connector to the DEU mount 2011VU4 (Ref. AMM TASK 23-73-48-400-001),
- do the steps (4. B. (5) (b) 2 b) again for the subsequent DEU(s) and DEU mount(s) until the maintenance message stops: (Ref. ASM 23-73/06) DEU mount 2011VU2.
- (6) If the resistance (line to line) is more than 200 ohms (open circuit):
 - disconnect the electrical connector 7247VC2 from the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-000-001),
 - make sure that the resistance (line to line) is not more than 200 ohms (open circuit) between:
 DEU mount 2015VU2 pin A/1 and pin A/2
 - (a) If there is an open circuit:
 - install a new DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001)
 - (b) If there is no open circuit:
 - reconnect the electrical connector to the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001)
 - disconnect the electrical connector 7201VC2 from the DEU mount 2011VU2 (Ref. AMM TASK 23-73-48-000-001),
 - do a check of the wiring (continuity-check) between:
 DIR-CIDS (101RH) connector AA/A14 and the connector 7201VC2 pin A/1,

DIR-CIDS (101RH) connector AA/B14 and the connector 7201VC2 pin A/2.

- 1 If there is no continuity:
 - repair the wiring between the DIR-CIDS (101RH) and the connector 7201VC2 (Ref. ASM 23-73/06).
- 2 If there is continuity:
 - do a check of the wiring (continuity-check) between:
 DEU mount 2011VU2 pin A/1 and pin A/9 ,
 DEU mount 2011VU2 pin A/2 and pin A/10.
 - a If there is no continuity:
 - install a new DEU mount 2011VU2 (Ref. AMM TASK 23-73-48-000-001) and (Ref. AMM TASK 23-73-48-400-001)

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- b If there is continuity:
 - reconnect the connector 7201VC2 to the DEU mount 2011VU2 (Ref. AMM TASK 23-73-48-400-001)
 - do the steps 4. B. (6) again for the subsequent DEU mounts until the maintenance message stops:
 DIR-CIDS (101RH) and DEU mount 2011VU4/connector 7201VC4,
 DIR-CIDS (101RH) and DEU mount 2015VU2/connector 7247VC2.
- - remove the DEU-B (300RH6) (Ref. AMM TASK 23-73-47-000-001),
 - do a check for a short circuit again.
 - (a) If there is no short circuit:
 - install a new DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001),
 - (b) If there is a short circuit:
 - install the removed DEU-B (300RH6) (Ref. AMM TASK 23-73-47-400-001),
 - diconnect the electrical connector 7247VC2 from the DEU mount 2015VU2 (Ref. ASM 23-73/06),
 - do a check for a short circuit again.
 - 1 If there is a short circuit:
 - reconnect the electrical connector to the DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001),
 - do the steps 4. B. (7) again for the subsequent DEU(s) and DEU mount(s) until the maintenance message stops: (Ref. ASM 23-73/06)

DEU-B (300RH4) and DEU mount 2011VU4, DEU mount 2011VU2,

- 2 If there is no short circuit:
 - do a check for a short circuit at the disconnected connector between the pins A/9 and A/10 (Ref. ASM 23-73/06)
 - a If there is a short circuit:
 - repaire the wiring between the related DEU mount 2011VUxx and the DEU mount 2015VUxx/2011VUxx (Ref. ASM 23-73/06).
 - b If there is no short circuit:
 - install a new DEU mount 2015VU2 (Ref. AMM TASK 23-73-48-400-001).

**ON A/C ALL

- C. Installation of removed components
 - Install the removed DIR-CIDS, 1 (101RH) and DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - Install all the removed DEU-B (300RHxx) (Ref. AMM TASK 23-73-47-400-001).

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- Reconnect all the DEU-mount-connectors to the related DEU-mounts (2011VUxx/2015VUx) (Ref. AMM TASK 23-73-48-400-001).
- D. Do the test given in Para. 3.A.

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TASK 23-73-00-810-838

FAP - Fault in the Forward Attendant Panel

1. Possible Causes

- ATTENDANT PANEL-FORWARD (120RH)
- DIR-CIDS, 1 (101RH)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-73-12-000-002 AMM 23-73-12-400-002 AMM 23-73-34-000-001 AMM 23-73-34-400-001 ASM 23-73/09	Removal of the Forward Attendant Panel (120RH) Installation of the Forward Attendant Panel (120RH) Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH)

3. Fault Confirmation

- A. Test
 - (1) Do the FAP test through the CFDS.

4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the CFDS gives the maintenance message FWD ATTND PNL:
 - replace the ATTENDANT PANEL-FORWARD (120RH) (Ref. AMM TASK 23-73-12-000-002) and (Ref. AMM TASK 23-73-12-400-002).

**ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,

- C. If the fault continues:
 - make sure that at least one cabin door is open,
 - open these CBs:

49VU: 150RH (GO1) COM DIR ESS/1

49VU: 157RH (GO2) COM DIR ESS/2

121VU:151RH (MO6) CIDS/DIR NORM/1

121VU:156RH (MO7) CIDS/DIR NORM/2,

- wait for approx. 10 s and close the CBs 156RH and 157RH.
- stop for approx. 120 s,
- do the FAP test again.

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(1) If the test is OK:
             install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
R **ON A/C 227-227, 229-275, 426-450,
      C. If the fault continues:

    make sure that at least one cabin door is open,

         - open these CBs:
           49VU: 150RH (GO1) COM DIR ESS/1
           49VU: 157RH (GO2) COM DIR ESS/2
           121VU:151RH (MO5) CIDS/DIR NORM/1
           121VU:156RH (MO6) CIDS/DIR NORM/2
         - wait for approx. 10 s and close the CBs 156RH and 157RH.
         - stop for approx. 120 s,
         - do the FAP test again.
         (1) If the test is OK:
             - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
   **ON A/C 701-749,
      C. If the fault continues:
         - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
         - make sure that at least one cabin door is open,
         - close these CBs:
           49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS
           121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,
         - stop for approx. 120 s,
         - do the FAP test again.
         (1) If the test is OK:
             install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
   **ON A/C ALL
      D. If the fault continues:

    do a check and repair the wiring between:

           CB 170RH and the FAP (120RH) connector A/18,
           DIR-CIDS (101RH) connector AA/A12 and FAP (120RH) connector A/1,
           DIR-CIDS (101RH) connector AA/B12 and FAP (120RH) connector A/2,
           DIR-CIDS (101RH) connector AA/D12 and FAP (120RH) connector A/4,
           DIR-CIDS (101RH) connector AA/E12 and FAP (120RH) connector A/5,
           DIR-CIDS (102RH) connector AA/A12 and FAP (120RH) connector A/7,
           DIR-CIDS (102RH) connector AA/B12 and FAP (120RH) connector A/8,
           DIR-CIDS (102RH) connector AA/D12 and FAP (120RH) connector A/4,
           DIR-CIDS (102RH) connector AA/E12 and FAP (120RH) connector A/5,
           FAP (120RH) connector A/3 and GND,
           FAP (120RH) connector A/6 and GND,
           FAP (120RH) connector A/17 and GND (Ref. ASM 23-73/09).
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EFF: ALL 23-73-0

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- E. Install the removed DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-400-001).
- F. Do the test given in Para. 3.A.

EFF: ALL SROS 23-73-00

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-858

R FAP - FAP(x) no data from active Director

1. Possible Causes

- DIR-CIDS, 1 (101RH)
- ATTENDANT PANEL-FORWARD (120RH)
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-73-12-000-002 AMM 23-73-12-400-002 AMM 23-73-34-000-001 AMM 23-73-34-400-001 ASM 23-73/09	Removal of the Forward Attendant Panel (120RH) Installation of the Forward Attendant Panel (120RH) Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH)

3. Fault Confirmation

- A. Test
 - (1) Do the CIDS1/FAP test through the CFDS.
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,

- B. If the CIDS1/FAP test gives the maintenance message NO FAP DATA:
 - make sure that at least one cabin door is open,
 - open these CBs:

49VU: 150RH (G01) COM DIR ESS/1 49VU: 157RH (G02) COM DIR ESS/2 121VU:151RH (M06) CIDS/DIR NORM/1 121VU:156RH (M07) CIDS/DIR NORM/2,

- wait for approx. 10 s and close the CBs 156RH and 157RH.
- wait for approx. 120 s,
- do the CIDS2/FAP test.

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EFF:

ALL

TROUBLE SHOOTING MANUAL (1) If the CIDS2/FAP test does not give the message NO FAP DATA: install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001). (a) If the fault continues: - replace the ATTENDANT PANEL-FORWARD (120RH) (Ref. AMM TASK 23-73-12-000-002) and (Ref. AMM TASK 23-73-12-400-002) 1 If the fault continues: - do a check and repair the wiring between: DIR-CIDS (101RH) connector AA/A12 and FAP (120RH) connector A/1, DIR-CIDS (101RH) connector AA/B12 and FAP (120RH) connector DIR-CIDS (101RH) connector AA/D12 and FAP (120RH) connector DIR-CIDS (101RH) connector AA/E12 and FAP (120RH) connector A/5, CB 170RH and FAP (120RH) connector A/18, FAP (120RH) connector A/3 and GND, FAP (120RH) connector A/6 and GND, FAP (120RH) connector A/17 and GND (Ref. ASM 23-73/09). R **ON A/C 227-227, 229-275, 426-450, B. If the CIDS1/FAP test gives the maintenance message NO FAP DATA: make sure that at least one cabin door is open, - open these CBs: 49VU: 150RH (GO1) COM DIR ESS/1 49VU: 157RH (GO2) COM DIR ESS/2 121VU:151RH (M05) CIDS/DIR NORM/1 121VU:156RH (MO6) CIDS/DIR NORM/2 - wait for approx. 10 s and close the CBs 156RH and 157RH. - wait for approx. 120 s, - do the CIDS2/FAP test. (1) If the CIDS2/FAP test does not give the message NO FAP DATA: install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001). (a) If the fault continues: - replace the ATTENDANT PANEL-FORWARD (120RH) (Ref. AMM TASK 23-73-12-000-002) and (Ref. AMM TASK 23-73-12-400-002) If the fault continues: - do a check and repair the wiring between: DIR-CIDS (101RH) connector AA/A12 and FAP (120RH) connector A/1, DIR-CIDS (101RH) connector AA/B12 and FAP (120RH) connector

201-225, 227-227, 229-299, 426-499, 503-549, 551-599,

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DIR-CIDS (101RH) connector AA/D12 and FAP (120RH) connector

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DIR-CIDS (101RH) connector AA/E12 and FAP (120RH) connector A/5, CB 170RH and FAP (120RH) connector A/18, FAP (120RH) connector A/3 and GND, FAP (120RH) connector A/6 and GND, FAP (120RH) connector A/17 and GND (Ref. ASM 23-73/09).

**ON A/C 701-749,

- B. If the CIDS1/FAP test gives the maintenance message NO FAP DATA:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001).
 - make sure that at least one cabin door is open,
 - close these CBs:

49VU: 150RH (G02) CIDS/DIR 1 & 2/ESS

- 121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,
- wait for approx. 120 s,
- do the CIDS2/FAP test.
- (1) If the CIDS2/FAP test does not give the message NO FAP DATA:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (a) If the fault continues:
 - replace the ATTENDANT PANEL-FORWARD (120RH) (Ref. AMM TASK 23-73-12-000-002) and (Ref. AMM TASK 23-73-12-400-002)
 - 1 If the fault continues:
 - do a check and repair the wiring between:

DIR-CIDS (101RH) connector AA/A12 and FAP (120RH) connector A/1,

DIR-CIDS (101RH) connector AA/B12 and FAP (120RH) connector A/2,

DIR-CIDS (101RH) connector AA/D12 and FAP (120RH) connector A/4.

DIR-CIDS (101RH) connector AA/E12 and FAP (120RH) connector A/5,

CB 170RH and FAP (120RH) connector A/18,

FAP (120RH) connector A/3 and GND,

FAP (120RH) connector A/6 and GND,

FAP (120RH) connector A/17 and GND (Ref. ASM 23-73/09).

**ON A/C ALL

- R C. Install the removed DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - D. Do the test given in Para. 3.A.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-856

PTP - Fault in the Programming and Test Panel

- 1. Possible Causes
 - PROGRAMMING AND TEST PANEL (110RH)
 - DIR-CIDS, 1 (101RH)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
R R R	AMM AMM	23-73-18-000-001 23-73-18-400-001 23-73-34-000-001 23-73-34-400-001	Removal of the Programming and Test Panel (110RH) Installation of the Programming and Test Panel (110RH) Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH)	
		23-73/09	Thousands on the old by the color (10 mm, 10 mm)	

- 3. Fault Confirmation
 - A. Test

R

R

- (1) Do the PTP test through the CFDS.
- 4. Fault Isolation
 - A. If the CFDS gives the maintenance message P&T PNL:
 - replace the PROGRAMMING AND TEST PANEL (110RH) (Ref. AMM TASK 23-73-18-000-001) and (Ref. AMM TASK 23-73-18-400-001).

**ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,

- B. If the fault continues:
 - make sure that at least one cabin door is open,
 - open these CBs:

49VU: 150RH (GO1) COM DIR ESS/1 49VU: 157RH (GO2) COM DIR ESS/2 121VU:151RH (MO6) CIDS/DIR NORM/1 121VU:156RH (MO7) CIDS/DIR NORM/2,

- wait for approx. 10 s and close the CBs 156RH and 157RH.
- stop for approx. 120 s,
- do the PTP test again.

EFF: ALL **SROS**

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(1) If the test is OK:
             install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
R **ON A/C 227-227, 229-275, 426-450,
      B. If the fault continues:
         - make sure that at least one cabin door is open,
         - open these CBs:
           49VU: 150RH (GO1) COM DIR ESS/1
           49VU: 157RH (GO2) COM DIR ESS/2
           121VU:151RH (MO5) CIDS/DIR NORM/1
           121VU:156RH (MO6) CIDS/DIR NORM/2
         - wait for approx. 10 s and close the CBs 156RH and 157RH.
         - stop for approx. 120 s,
         - do the PTP test again.
         (1) If the test is OK:
             - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
   **ON A/C 701-749,
      B. If the fault continues:
         - remove the DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-000-001),
         - make sure that at least one cabin door is open,
         - close these CBs:
           49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS
           121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,
         - stop for approx. 120 s,
         - do the PTP test again.
         (1) If the test is OK:
             install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
   **ON A/C ALL
      C. If the fault continues:

    do a check and repair the wiring between:

           CB 161RH and the PTP (115RH) connector A/17,
           DIR-CIDS (101RH) connector AA/F12 and PTP (115RH) connector A/1,
           DIR-CIDS (101RH) connector AA/G12 and PTP (115RH) connector A/2,
           DIR-CIDS (101RH) connector AA/J12 and PTP (115RH) connector A/4,
           DIR-CIDS (101RH) connector AA/K12 and PTP (115RH) connector A/5,
           DIR-CIDS (102RH) connector AA/F12 and PTP (115RH) connector A/1,
           DIR-CIDS (102RH) connector AA/G12 and PTP (115RH) connector A/2,
           DIR-CIDS (102RH) connector AA/J12 and PTP (115RH) connector A/4,
           DIR-CIDS (102RH) connector AA/K12 and PTP (115RH) connector A/5,
           PTP (115RH) connector A/3 and GND,
           PTP (115RH) connector A/8 and GND,
           PTP (115RH) connector A/16 and GND (Ref. ASM 23-73/09).
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EFF: ALL 23-73-0

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- D. Install the removed DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-400-001).
- E. Do the test given in Para. 3.A.

EFF: ALL SROS 23-73-00

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-878

AAP - Fault in the AAP (126RH)

- 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - ATTENDANT PANEL-AFT (126RH)
 - DEU-B (300RH5)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM	23-73-13-000-001	Removal of the Aft/Additional Attendant Panel (126RH)
AMM	23-73-13-400-001	<pre>Installation of the Aft/Additional Attendant Panel (126RH)</pre>
AMM	23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH,102RH)
AMM	23-73-47-000-001	Removal of the Decoder/Encoder Unit B (300RH)
AMM	23-73-47-400-001	Installation of the Decoder/Encoder Unit B (300RH)
ASM	23-73/10	

- 3. Fault Confirmation
 - A. Test

R

- (1) Do the CIDS BITE test through the CFDS. (Ref. AMM TASK 23-73-00-740-005)
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,

- B. If the CIDS1 BITE test gives the maintenance message ATTND PNL AFT:
 - make sure that at least one cabin door is open,
 - open these CBs:

49VU: 150RH (G01) COM DIR ESS/1 49VU: 157RH (G02) COM DIR ESS/2 121VU:151RH (M06) CIDS/DIR NORM/1 121VU:156RH (M07) CIDS/DIR NORM/2,

R EFF: ALL
SROS

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- wait for approx. 10 s and close the CBs 156RH and 157RH.
- stop for approx. 120 s,
- do the CIDS2 BITE test.
- (1) If the CIDS2 BITE test does not give the message ATTND PNL AFT:
 install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (a) If the fault continues:
 - replace the ATTENDANT PANEL-AFT (126RH) (Ref. AMM TASK 23-73-13-000-001) and (Ref. AMM TASK 23-73-13-400-001).
 - 1 If the fault continues:
 - replace the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001)
 and (Ref. AMM TASK 23-73-47-400-001).
 - a If the fault continues:
 - do a check and repair the wiring between the: DEU-B (300RH5) connector C/30 and AAP (126RH) connector A/1, DEU-B (300RH5) connector C/31 and AAP (126RH) connector A/2, DEU-B (300RH5) connector C/14 and AAP (126RH) connector A/4, DEU-B (300RH5) connector C/15 and AAP (126RH) connector A/5, DEU-B (300RH5) connector C/10 and AAP (126RH) connector A/7,
 - DEU-B (300RH5) connector C/8 and AAP (126RH) connector A/8, AAP (126RH) connector C/6 and GND (Ref. ASM 23-73/10).
- R **ON A/C 227-227, 229-275, 426-450,
 - B. If the CIDS1 BITE test gives the maintenance message ATTND PNL AFT:
 - make sure that at least one cabin door is open,
 - open these CBs:

49VU: 150RH (GO1) COM DIR ESS/1

49VU: 157RH (GO2) COM DIR ESS/2

121VU:151RH (M05) CIDS/DIR NORM/1

121VU:156RH (M06) CIDS/DIR NORM/2

- wait for approx. 10 s and close the CBs 156RH and 157RH.
- stop for approx. 120 s,
- do the CIDS2 BITE test.
- (1) If the CIDS2 BITE test does not give the message ATTND PNL AFT:
 install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (a) If the fault continues:
 - replace the ATTENDANT PANEL-AFT (126RH) (Ref. AMM TASK 23-73-13-000-001) and (Ref. AMM TASK 23-73-13-400-001).

EFF: 201-225, 227-227, 229-299, 426-499, 503-549, 551-599,

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- 1 If the fault continues:
 - replace the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001)
 and (Ref. AMM TASK 23-73-47-400-001).
 - a If the fault continues:
 - do a check and repair the wiring between the:
 DEU-B (300RH5) connector C/30 and AAP (126RH) connector A/1,

DEU-B (300RH5) connector C/31 and AAP (126RH) connector A/2,

DEU-B (300RH5) connector C/14 and AAP (126RH) connector A/4,

DEU-B (300RH5) connector C/15 and AAP (126RH) connector A/5.

DEU-B (300RH5) connector C/10 and AAP (126RH) connector A/7,

DEU-B (300RH5) connector C/8 and AAP (126RH) connector A/8,

AAP (126RH) connector C/6 and GND (Ref. ASM 23-73/10).

**ON A/C 701-749,

- B. If the CIDS1 BITE test gives the maintenance message ATTND PNL AFT:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001).
 - make sure that at least one cabin door is open.
 - close these CBs:

49VU: 150RH CIDS/DIR 1 & 2/ESS,

121VU: 151RH CIDS/DIR 1 & 2/NORM.

- stop for approx. 120s,
- do the CIDS2 BITE test through the CFDS.
- (1) If the CIDS2 BITE test does not give the maintenance message ATTND PNL AFT:
 - install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (a) If the fault continues:
 - replace the ATTENDANT PANEL-AFT (126RH) (Ref. AMM TASK 23-73-13-000-001) and (Ref. AMM TASK 23-73-13-400-001).
 - 1 If the fault continues:
 - replace the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).
 - a If the fault continues:
 - do a check and repair the wiring between the: DEU-B (300RH5) connector C/30 and AAP (126RH) connector A/1, DEU-B (300RH5) connector C/31 and AAP (126RH) connector A/2, DEU-B (300RH5) connector C/14 and AAP (126RH) connector

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DEU-B (300RH5) connector C/15 and AAP (126RH) connector A/5,

<code>DEU-B</code> (300RH5) connector C/10 and AAP (126RH) connector A/7,

DEU-B (300RH5) connector C/8 and AAP (126RH) connector A/8, $\,$

AAP (126RH) connector C/6 and GND (Ref. ASM 23-73/10).

**ON A/C ALL

- R C. Install the removed DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - D. Do the test given in Para. 3.A.

EFF: ALL

23-73-00

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-857

R CAM/FAP - Fault in the CAM or FAP

- 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - PROGRAMMING AND TEST PANEL (110RH)
 - CAM
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM AMM	23-73-18-000-001 23-73-18-400-001	Removal of the Programming and Test Panel (110RH) Installation of the Programming and Test Panel (110RH)
AMM AMM AMM	23-73-19-000-001 23-73-19-400-001 23-73-34-000-001 23-73-34-400-001	Removal of the Cabin Assignment Module (115RH) Installation of the Cabin Assignment Module (115RH) Removal of the CIDS Director (101RH, 102RH) Installation of the CIDS Director (101RH, 102RH)

- 3. Fault Confirmation
 - A. Test

R

R

- (1) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
- (2) Open this CB for approx. 10s and then close it again: - 121VU: 161RH CIDS/PROG AND/TST PNL.
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

**ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,

- B. If the CIDS BITE test gives the maintenance message CAM:
 - make sure that at least one cabin door is open.
- open these CBs:
- 49VU: 150RH COM DIR ESS/1, R 49VU: 157RH COM DIR ESS/2,
- R 121VU: 151RH CIDS/DIR NORM/1,

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121VU: 156RH CIDS/DIR NORM/2.
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- wait for approx. 10s and close the CBs 156RH and 157RH.
- stop for approx. 120s,
- do the CIDS2 BITE test.
- (1) If the CIDS2 BITE test does not give the maintenance message CAM:
 install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (a) If the fault continues:
 - replace the CAM (Ref. AMM TASK 23-73-19-000-001) and (Ref. AMM TASK 23-73-19-400-001).
 - 1 If the fault continues:
 - replace the PROGRAMMING AND TEST PANEL (110RH) (Ref. AMM TASK 23-73-18-000-001) and (Ref. AMM TASK 23-73-18-400-001).
- R **ON A/C 227-227, 229-275, 426-450,
 - B. If the CIDS BITE test gives the maintenance message CAM:
 - make sure that at least one cabin door is open.
 - open these CBs:

49VU: 150RH COM DIR ESS/1,

49VU: 157RH COM DIR ESS/2,

121VU: 151RH CIDS/DIR NORM/1,

- 121VU: 156RH CIDS/DIR NORM/2.
- wait for approx. 10s and close the CBs 156RH and 157RH.
- stop for approx. 120s,
- do the CIDS2 BITE test.
- (1) If the CIDS2 BITE test does not give the maintenance message CAM:
 install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (a) If the fault continues:
 - replace the CAM (Ref. AMM TASK 23-73-19-000-001) and (Ref. AMM TASK 23-73-19-400-001).
 - 1 If the fault continues:
 - replace the PROGRAMMING AND TEST PANEL (110RH) (Ref. AMM TASK 23-73-18-000-001) and (Ref. AMM TASK 23-73-18-400-001).

**ON A/C 701-749,

- B. If the CIDS BITE test gives the maintenance message CAM:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open.
 - close these CBs:

49VU: 150RH CIDS/DIR 1 & 2/ESS,

121VU: 151RH CIDS/DIR 1 & 2/NORM.

- stop for approx. 120s,
- do the CIDS2 BITE test.

EFF: ALL
SROS

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- (1) If the CIDS2 BITE test does not give the maintenance message CAM:
 install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (a) If the fault continues:
 - replace the CAM (Ref. AMM TASK 23-73-19-000-001) and (Ref. AMM TASK 23-73-19-400-001).
 - 1 If the fault continues:
 - replace the PROGRAMMING AND TEST PANEL (110RH) (Ref. AMM TASK 23-73-18-000-001) and (Ref. AMM TASK 23-73-18-400-001).

**ON A/C ALL

- C. Install the removed DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- D. Do the test given in Para. 3.A.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-859

PTP - Fault in the Programming and Test Panel data transfer

- 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - PROGRAMMING AND TEST PANEL (110RH)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-18-000-001	Removal of the Programming and Test Panel (110RH)
	23-73-18-400-001	Installation of the Programming and Test Panel (110RH)
	23-73-34-000-001 23-73-34-400-001 23-73/09	Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the CIDS1/PTP test through the CFDS.
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- **ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,
 - B. If the CIDS1/PTP test gives the maintenance message NO P & TP DATA:
 - make sure that at least one cabin door is open,
 - open these CBs:

49VU: 150RH (G01) COM DIR ESS/1 49VU: 157RH (G02) COM DIR ESS/2 121VU:151RH (M06) CIDS/DIR NORM/1 121VU:156RH (M07) CIDS/DIR NORM/2,

- stop for approx. 120 s,
- do the CIDS2/PTP test.
- (1) If the CIDS2/PTP test does not give the message NO P & TP DATA:
 install a new DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-400-001).

EFF: ALL 23-73-00

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R **ON A/C 227-227, 229-275, 426-450,

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B. If the CIDS1/PTP test gives the maintenance message NO P & TP DATA:
      - make sure that at least one cabin door is open,
     - open these CBs:
        49VU: 150RH (GO1) COM DIR ESS/1
        49VU: 157RH (GO2) COM DIR ESS/2
        121VU:151RH (MO5) CIDS/DIR NORM/1
        121VU: 156RH (MO6) CIDS/DIR NORM/2
      - stop for approx. 120 s.
     - do the CIDS2/PTP test.
      (1) If the CIDS2/PTP test does not give the message NO P & TP DATA:
          install a new DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-400-001).
**ON A/C 701-749,
  B. If the CIDS1/PTP test gives the maintenance message NO P & TP DATA:
     - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001),
      - make sure that at least one cabin door is open,
     - close these CBs:
        49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS
        121VU:151RH (MO5) CIDS/DIR 1 & 2/NORM,
     - stop for approx. 120 s,
     - do the CIDS2/PTP test.
      (1) If the CIDS2/PTP test does not give the message NO P & TP DATA:
          - install a new DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-400-001).
**ON A/C ALL
   C. If the fault continues:
      - replace the PROGRAMMING AND TEST PANEL (110RH) (Ref. AMM TASK 23-73-18-
        000-001) and (Ref. AMM TASK 23-73-18-400-001).
   D. If the fault continues:
      - do a check and repair the wiring between:
        CB 161RH and PTP connector A/17,
        DIR-CIDS (101RH) connector AA/F12 and PTP (110RH) connector A/1,
        DIR CIDS (101RH) connector AA/G12 and PTP (110RH) connector A/2,
        DIR-CIDS (102RH) connector AA/F12 and PTP (110RH) connector A/6,
        DIR-CIDS (102RH) connector AA/G12 and PTP (110RH) connector A/7,
        DIR-CIDS (101RH) connector AA/J12 and PTP (100RH) connector A/4,
        DIR-CIDS (101RH) connector AA/K12 and PTP (110RH) connector A/5,
        DIR-CIDS (102RH) connector AA/J12 and PTP (110RH) connector A/4,
        DIR-CIDS (102RH) connector AA/K12 and PTP (110RH) connector A/5,
        PTP (110RH) connector A/3 and GND,
       PTP (110RH) connector A/8 and GND,
        PTP (110RH) connector A/16 and GND (Ref. ASM 23-73/09).
EFF:
                                                                       Page B207
         ALL
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- E. Install the removed DIR-CIDS (101RH) (Ref. AMM TASK 23-73-34-400-001).
- F. Do the test given in Para. 3.A.

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TASK 23-73-00-810-860

CAM - Fault in the Cabin Assignment Module data transfer

- 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - CAM
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM	23-73-19-000-001	Removal of the Cabin Assignment Module (115RH)
AMM	23-73-19-400-001	Installation of the Cabin Assignment Module (115RH)
AMM	23-73-34-000-001	Removal of the CIDS Director (101RH, 102RH)
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH,102RH)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
 - (2) Open this CB for approx. 10 s then close it again:121VU: 161RH CIDS/PROG AND/TST PNL.
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- **ON A/C 201-225, 276-299, 451-499, 503-549, 551-599,
 - B. If the CIDS BITE test gives the maintenance message NO CAM DATA:
 - make sure that at least one cabin door is open,
 - open these CBs:
 - 49VU: 150RH (GO1) COM DIR ESS/1
 - 49VU: 157RH (GO2) COM DIR ESS/2
 - 121VU:151RH (MO6) CIDS/DIR NORM/1
 - 121VU:156RH (M07) CIDS/DIR NORM/2,
 - wait for approx. 10 s and close the CBs 156RH and 157RH.
 - stop for approx. 120 s,
 - do the CIDS2 BITE test.

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- (1) If CIDS2 BITE test does not give the maintenance message NO CAM DATA:
 install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (a) If the fault continues:
 - replace the CAM (Ref. AMM TASK 23-73-19-000-001) and (Ref. AMM TASK 23-73-19-400-001).
- R **ON A/C 227-227, 229-275, 426-450,
 - B. If the CIDS BITE test gives the maintenance message NO CAM DATA:
 - make sure that at least one cabin door is open,
 - open these CBs:

49VU: 150RH (GO1) COM DIR ESS/1

49VU: 157RH (GO2) COM DIR ESS/2

121VU:151RH (M05) CIDS/DIR NORM/1

- 121VU:156RH (M06) CIDS/DIR NORM/2
- wait for approx. 10 s and close the CBs 156RH and 157RH.
- stop for approx. 120 s,
- do the CIDS2 BITE test.
- (1) If CIDS2 BITE test does not give the maintenance message NO CAM DATA:
 install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (a) If the fault continues:
 - replace the CAM (Ref. AMM TASK 23-73-19-000-001) and (Ref. AMM TASK 23-73-19-400-001).

**ON A/C 701-749,

- B. If the CIDS BITE test gives the maintenance message NO CAM DATA:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001),
 - make sure that at least one cabin door is open,
 - close these CBs:

49VU: 150RH (GO2) CIDS/DIR 1 & 2/ESS

121VU: 151RH (MO5) CIDS/DIR 1 & 2/NORM,

- stop for approx. 120 s.
- do the CIDS2 BITE test.
- (1) If CIDS2 BITE test does not give the maintenance message NO CAM DATA:
 install a new DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - (a) If the fault continues:
 - replace the CAM (Ref. AMM TASK 23-73-19-000-001) and (Ref. AMM TASK 23-73-19-400-001).

**ON A/C ALL

SROS

C. Install the removed DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).

EFF: ALL

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D. Do the test given in Para. 3.A.

EFF: ALL
SROS

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TASK 23-73-00-810-839

Sign - Fault in the NO SMOKING sign

- 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - NS-FSB sign lamp
 - wiring
 - PCB 2038VU
 - DEU-A
 - NO SMOKING switch
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-73-00-710-034	Operational test of the cabin signs through the MCDU	
AMM	23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)	
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH,102RH)	
AMM	23-73-46-000-001	Removal of the Decoder/Encoder Unit A (200RH)	
AMM	23-73-46-400-001	Installation of the Decoder/Encoder Unit A (200RH)	
AMM	23-73-49-000-001	Removal of the Printed Circuit Board	
AMM	23-73-49-400-001	Installation of the Printed Circuit Board	
AMM	23-73-63-000-001	Removal of the No Smoking/Fasten Seat Belt sign from the Passenger Service Information Unit and the C/B panels 2000VU/2001VU	
AMM	23-73-63-400-001	Installation of the No Smoking/Fasten Seat Belt sign in the Passenger Service Information Unit and the C/B panels 2000VU/2001VU	
ASM	23-73/02		
ASM	23-73/06		
ASM	23-73/13		
ASM	23-73/14		
	AMM AMM AMM AMM AMM AMM AMM AMM AMM	AMM 23-73-00-710-034 AMM 23-73-34-000-001 AMM 23-73-34-400-001 AMM 23-73-46-000-001 AMM 23-73-46-400-001 AMM 23-73-49-000-001 AMM 23-73-49-000-001 AMM 23-73-63-000-001 AMM 23-73-63-000-001 AMM 23-73-63-400-001	

3. Fault Confirmation

A. Test

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(1) Do the CIDS1/SIGN LAMP test through the CFDS (Ref. AMM TASK 23-73-00-710-034).

NOTE : An erroneous class 3 fault message will be recorded for each LED NS/FSB and RTS sign (without bulbs), if the test of the related signs is not deactivated in the CAM.

(2) Set the NO SMOKING switch to the ON position and make sure that the lamp comes on.

EFF: ALL

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4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- R **ON A/C 201-225, 227-227, 229-275, 426-475, 551-599, 701-749,
 - **B.** If the CIDS1/SIGN LAMP test gives the maintenance message NS LAMP XX and the lamp does not come on:

NOTE: XX identifies the location of the faulty unit:

- SR: ..L/R,
- FWD L/R, 1/2,
- AFT L/R, 1/2.
- replace the related NS-FSB sign lamp (Ref. AMM TASK 23-73-63-000-001) and (Ref. AMM TASK 23-73-63-400-001).

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

B. If the CIDS1/SIGN LAMP test gives the maintenance message NS LAMP XX and the lamp does not come on:

NOTE : XX identifies the location of the faulty unit:

- SR: ..L/R,
- FWD L/R, 1/2,
- MID L/R, 1/2,
- EXIT L/R, 1/2.
- AFT L/R, 1/2.
- replace the related NS-FSB sign lamp (Ref. AMM TASK 23-73-63-000-001) and (Ref. AMM TASK 23-73-63-400-001).

**ON A/C ALL

- C. If the fault continues:
 - do a check for 28 VDC at pins K and M on the PCB 2038VU (Ref. ASM 23-73/13) (Ref. ASM 23-73/14).
 - (1) If there is approx. 28 VDC:
 - do a check and repair the wiring if necessary between the:
 NS-FSB sign and PCB 2038VU.
 - (a) If there is no 28 VDC:
 - do a check for 28 VDC at pins C and L on the PCB 2038VU.
 - 1 If there is approx. 28 VDC:
 - replace the PCB 2038VU (Ref. AMM TASK 23-73-49-000-001) and (Ref. AMM TASK 23-73-49-400-001).

EFF: ALL

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(2) If there is no 28 VDC:

73/14).

- do a check for 28 VDC at the related DEU-A between the related pairs of connectors given below: Connectors C/18 and C/21 or Connectors C/19 and C/23 or Connectors C/20 and C/25 (Ref. ASM 23-73/13) and (Ref. ASM 23-
- (a) If there is approx. 28 VDC:
 - do a check and repair the wiring if necessary between the: Pins C and L on the PCB 2038VU and the related DEU-A pairs of connectors given below: Connectors C/18 and C/21 or Connectors C/19 and C/23 or Connectors C/20 and C/25 (Ref. ASM 23-73/13) and (Ref. ASM 23-73/14).
- (b) If there is no 28 VDC:
 - replace the related DEU-A (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).
- D. If the CIDS1/SIGN LAMP test gives the maintenance message NS LAMP XX, L, R (XX seat row) but the lamps come on:
 - NOTE : An erroneous class 3 fault message will be recorded for each LED NS/FSB sign (without bulbs), if the test of the related signs is not deactivated in the CAM.
 - replace the related DEU-A (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).
- E. If no NS lamps come on:
 - do a check of the NO SMOKING switch and replace it if necessary (Ref. ASM 23-73/06).
 - (1) If the fault continues:
 - do a check and repair the wiring if necessary between the: NO SMOKING switch (190RH) connector 2/C and DIR-CIDS (101RH) connector AB/C15, NO SMOKING switch (190RH) connector 1/B and DIR-CIDS (101RH) connector AB/D15, NO SMOKING switch (190RH) connector 3/B and GND (Ref. ASM 23-73/02).
- F. 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).
- G. Do the test given in Para. 3.A.

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-840

Sign - Fault in the FASTEN SEAT BELT sign

- 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - NS-FSB 531RH sign lamp
 - wiring
 - PCB 2038VU
 - DEU-A
 - SEAT BELTS switch
- 2. Job Set-up Information
 - A. Referenced Information

REFE	RENCE	DESIGNATION
AMM	23-73-00-710-034	Operational test of the cabin signs through the MCDU
AMM	23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH,102RH)
AMM	23-73-46-000-001	Removal of the Decoder/Encoder Unit A (200RH)
AMM	23-73-46-400-001	Installation of the Decoder/Encoder Unit A (200RH)
AMM	23-73-49-000-001	Removal of the Printed Circuit Board
AMM	23-73-49-400-001	Installation of the Printed Circuit Board
AMM	23-73-63-000-001	Removal of the No Smoking/Fasten Seat Belt sign from the Passenger Service Information Unit and the C/B panels 2000VU/2001VU
AMM	23-73-63-400-001	Installation of the No Smoking/Fasten Seat Belt sign in the Passenger Service Information Unit and the C/B panels 2000VU/2001VU
ASM	23-73/02	•
ASM	23-73/13	
ASM	23-73/14	
	AMM AMM AMM AMM AMM AMM AMM AMM	AMM 23-73-34-000-001 AMM 23-73-34-400-001 AMM 23-73-46-000-001 AMM 23-73-46-400-001 AMM 23-73-49-000-001 AMM 23-73-49-400-001 AMM 23-73-63-000-001 AMM 23-73-63-000-001

- 3. Fault Confirmation
 - A. Test
 - (1) Do the CIDS1/SIGN LAMP test through the CFDS (Ref. AMM TASK 23-73-00- 710-034).
 - NOTE: An erroneous class 3 fault message will be recorded for each LED NS/FSB and RTS sign (without bulbs), if the test of the related signs is not deactivated in the CAM.
 - (2) Set the SEAT BELTS switch to the ON position and make sure that the lamp comes on.

EFF: ALL SROS

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4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- R **ON A/C 201-225, 227-227, 229-275, 426-475, 551-599, 701-749,
 - B. If the CIDS1/SIGN LAMP test gives the maintenance message FSB LAMP XX and a lamp does not come on:

NOTE: XX identifies the location of the faulty unit:

- SR: ..L/R,
- FWD L/R, 1/2,
- AFT L/R, 1/2,
- replace the related NS-FSB 531RH sign lamp (Ref. AMM TASK 23-73-63-000-001) and (Ref. AMM TASK 23-73-63-400-001).

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

B. If the CIDS1/SIGN LAMP test gives the maintenance message FSB LAMP XX and a lamp does not come on:

NOTE: XX identifies the location of the faulty unit:

- SR: ..L/R,
- FWD L/R, 1/2,
- MID L/R, 1/2,
- EXIT L/R, 1/2,
- AFT L/R, 1/2,
- replace the related NS-FSB 531RH sign lamp (Ref. AMM TASK 23-73-63-000-001) and (Ref. AMM TASK 23-73-63-400-001).

**ON A/C ALL

- C. If the fault continues:
 - do a check for 28 VDC at pins P and K on the PCB 2038VU (Ref. ASM 23-73/13) and (Ref. ASM 23-73/14).
 - (1) If there is approx. 28 VDC:
 - do a check and repair the wiring if necessary between the:
 NS-FSB sign and the PCB 2038VU.
 - (a) If there is no 28 VDC:
 - do a check for 28 VDC at pins C and N on the PCB 2038VU.
 - 1 If there is approx. 28 VDC:
 - replace the PCB 2038VU (Ref. AMM TASK 23-73-49-000-001) and (Ref. AMM TASK 23-73-49-400-001).

EFF: ALL

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- (2) If there is no 28 VDC:
 - do a check for 28 VDC at the related DEU-A between the related pairs of connectors given below:

Connectors C/18 and C/22 or

Connectors C/19 and C/24 or

Connectors C/20 and C/26 (Ref. ASM 23-73/13) and (Ref. ASM 23-73/14).

- (a) If there is approx. 28 VDC:
 - do a check and repair the wiring if necessary between pins C and N on the PCB 2038VU and the related DEU-A pairs of connectors given below:

Connectors C/18 and C/22 or

Connectors C/19 and C/24 or

Connectors C/20 and C/26 (Ref. ASM 23-73/13) and (Ref. ASM 23-73/14).

- (b) If there is no 28 VDC:
 - replace the related DEU-A (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).
- D. If the CIDS1/SIGN LAMP test gives the maintenance message FSB LAMP XX, L, R (XX seat row) but the lamps come on:
 - NOTE: An erroneous class 3 fault message will be recorded for each LED NS/FSB sign (without bulbs), if the test of the related signs is not deactivated in the CAM.
 - replace the related DEU-A (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).
- E. If no FSB lamps come on:
 - do a check of the SEAT BELTS switch and replace it if necessary.
 - (1) If the fault continues:
 - do a check and repair the wiring if necessary between the: DIR-CIDS (101RH) connector AB/E15 and GND of SEAT BELTS switch (191RH) (Ref. ASM 23-73/02).
- F. 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).
- G. Do the test given in Para. 3.A.

EFF:

TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-841

- R Sign Fault in the RETURN TO SEAT sign in Lav(x)
 - 1. Possible Causes
 - RTS lamp
 - LIGHT PNL (581RHx)
 - wiring
 - DEU-A (200RHxx)
 - PSU 596RHx
 - 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R	AMM	23-73-00-710-033	Operational test of the passenger call lamps through the MCDU
	AMM	23-73-46-000-001	Removal of the Decoder/Encoder Unit A (200RH)
	AMM	23-73-46-400-001	Installation of the Decoder/Encoder Unit A (200RH)
	AMM	23-73-62-000-001	Removal of the Return to Seat sign
	AMM	23-73-62-000-006	Removal of the Return to Seat sign (LED)
	AMM	23-73-62-400-001	Installation of the Return to Seat sign
	AMM	23-73-62-400-006	Installation of the Return to Seat sign (LED)
	ASM	23-73/13	
	ASM	23-73/15	
	ASM	23-73/15	

- 3. Fault Confirmation
 - A. Test for the RTS signs with bulbs
 - (1) Do the CIDS1/CIDS SIGN LAMP test through the CFDS (Ref. AMM TASK 23-73-00-710-033).

NOTE: An erroneous class 3 fault message will be recorded for each LED NS/FSB and RTS sign (without bulbs), if the test of the related signs is not deactivated in the CAM.

- (2) Set the SEAT BELTS switch to the ON position and make sure that the sign lamp comes on.
- B. Test for the LED RTS signs (without bulbs)

NOTE : An erroneous class 3 fault message will be recorded for each LED NS/FSB and RTS sign (without bulbs), if the test of the related signs is not deactivated in the CAM.

EFF: ALL

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(1) Set the SEAT BELTS switch to the ON position and make sure that the sign lamp comes on.

4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. For RTS signs with bulbs:

If the CIDS1/CIDS SIGN LAMP test gives the maintenance message RTS LAMP LAV X and the lamp does not come on:

NOTE: X identifies the location of the affected lavatory.

- replace the related RTS lamp (Ref. AMM TASK 23-73-62-000-001) and (Ref. AMM TASK 23-73-62-400-001).
- (1) If the fault continues:
 - do a check for 28 VDC between pins 1 and 2 on the LIGHT PNL (581RHx) (Ref. ASM 23-73/13) and (Ref. ASM 23-73/15).
 - (a) If there is approx. 28 VDC:
 - replace the LIGHT PNL (581RHx) (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).
 - (b) If there is no 28 VDC:
 - do a check for 28 VDC at the DEU-A 200RHxx between connectors C/18 and C/22.
 - 1 If there is approx. 28 VDC:
 - do a check and repair the wiring if necessary between the:
 DEU-A 200RHxx connector C/22 and the LIGHT PNL 581RHx pin 1,
 DEU-A 200RHxx connector C/18 and the LIGHT PNL 581RHx pin 2 (Ref. ASM 23-73/13) and (Ref. ASM 23-73/15).
 - 2 If there is no 28 VDC:
 - replace the DEU-A (200RHxx) (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).
- C. For LED RTS signs (without bulbs):

If the RTS sign does not come on:

- replace the related PSU 596RHx (Ref. AMM TASK 23-73-62-000-006) and (Ref. AMM TASK 23-73-62-400-006).

NOTE: X identifies the location of the affected lavatory.

EFF: ALL

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- (1) If the fault continues:
 - do a check for 28 VDC at the DEU-A 200RHxx between connectors C/18 and C/22.
 - (a) If there is approx. 28 VDC:
 - do a check and repair the wiring if necessary between the:
 DEU-A 200RHxx connector C/22 and the PSU 596RHx connector A pin
 D,
 DEU-A 200RHxx connector C/18 and the PSU 596RHx connector A pin

DEU-A 200RHxx connector C/18 and the PSU 596RHx connector A pin B (Ref. ASM 23-73/13) and (Ref. ASM 23-73/15).

- (b) If there is no 28 VDC:
 - replace the DEU-A (200RHxx) (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).
- D. If CIDS1/CIDS LAMP test gives the maintenance message RTS LAMP LAV x but the lamp comes on:
 - NOTE : An erroneous class 3 fault message will be recorded for each LED NS/FSB and RTS sign (without bulbs), if the test of the related signs is not deactivated in the CAM.
 - replace the DEU-A (200RHxx) (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).
- E. Do the test given in Para. 3.A./ 3.B.

EFF: ALL

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-847

AIP - Fault in the FWD LH Attendant Indication Panel

- 1. Possible Causes
 - DEU-B (300RH1)
 - AIP 320RH1
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	23-73-00-740-003	BITE-test of the Cabin Intercommunication Data System (CIDS) through the PTP	
R	AMM	23-73-22-000-001	Removal of the Attendant Indication Panel (320RH,321RH,322RH)	
R	AMM	23-73-22-400-001	Installation of the Attendant Indication Panel (320RH,321RH,322RH)	
		23-73-47-000-001 23-73-47-400-001 23-73/10	Removal of the Decoder/Encoder Unit B (300RH) Installation of the Decoder/Encoder Unit B (300RH)	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the CIDS BITE test (Ref. AMM TASK 23-73-00-740-003).
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - B. If the CIDS1/CIDS AIP test gives the maintenance message ATTND IND PNL FWD L:
 - install a new AIP 320RH1 (Ref. AMM TASK 23-73-22-000-001) and (Ref. AMM TASK 23-73-22-400-001).
 - (1) If the fault continues:
 - replace the DEU-B (300RH1) (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).
 - (a) If the fault continues:
 - do a check and repair the wiring between the:
 DEU-B (300RH1) connector C/49 and the AIP (320RH1) connector A/1,

EFF: ALL 23-73-00

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DEU-B (300RH1) connector C/50 and the AIP (320RH1) connector A/2,
DEU-B (300RH1) connector C/16 and the AIP (320RH1) connector A/4,
DEU-B (300RH1) connector C/17 and the AIP (320RH1) connector A/5,
DEU-B (300RH1) connector C/25 and the AIP (320RH1) connector A/6,
AIP (320RH1) connector A/3 and GND (Ref. ASM 23-73/10).

C. Do the test given in Para. 3.A.

EFF: ALL
SROS

23-73-00

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TROUBLE SHOOTING MANUAL

**ON A/C 276-299, 476-480, 503-549,

TASK 23-73-00-810-898

AIP - Fault in the MID LH Attendant Indication Panel

1. Possible Causes

R

- AIP
- DEU-B
- wiring
- 2. Job Set-up Information
 - A. Referenced Information

	REFERENCE		DESIGNATION	
	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System	
R	AMM	23-73-22-000-001	(CIDS) through the CFDS Removal of the Attendant Indication Panel (320RH,321RH,322RH)	
R	AMM	23-73-22-400-001	Installation of the Attendant Indication Panel (320RH,321RH,322RH)	
	AMM	23-73-47-000-001	Removal of the Decoder/Encoder Unit B (300RH)	
R	AMM ASM	23-73-47-400-001 23-73/25	Installation of the Decoder/Encoder Unit B (300RH)	

- 3. Fault Confirmation
 - A. Test
- R (1) Do the CIDS BITE test through the CFDS.
 R (Ref. AMM TASK 23-73-00-740-005)

EFF: 276-299, 476-480, 503-549,

23-73-00

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SROS

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4. Fault Isolation

A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

```
B. If the CIDS BITE test gives the maintenance message ATTND IND PNL MID L:
R
         - install a new AIP (Ref. AMM TASK 23-73-22-000-001) (Ref. AMM TASK 23-
R
           73-22-400-001).
         (1) If the fault continues:
R
             - replace the related DEU-B (Ref. AMM TASK 23-73-47-000-001) (Ref.
R
               AMM TASK 23-73-47-400-001).
             (a) If the fault continues:
R
                 - do a check and repair the wiring between the:
R
                   DEU-B connector C/49 and the AIP connector A/1,
R
R
                   DEU-B connector C/50 and the AIP connector A/2,
R
                   DEU-B connector C/16 and the AIP connector A/4,
                   DEU-B connector C/17 and the AIP connector A/5,
R
                   DEU-B connector C/25 and the AIP connector A/6,
R
R
                   AIP connector A/3 and GND.
R
                   (Ref. ASM 23-73/25)
```

R C. Do the test is given in Para. 3. A.

EFF: 276-299, 476-480, 503-549,

SROS

23-73-00

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TROUBLE SHOOTING MANUAL

**ON A/C 481-499,

TASK 23-73-00-810-909

AIP - Fault in the MID RH Attendant Indication Panel

1. Possible Causes

R

- AIP

- DEU-B

- wiring

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

	REFERENCE		DESIGNATION	
	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS	
R	AMM	23-73-22-000-001	Removal of the Attendant Indication Panel (320RH, 321RH, 322RH)	
R	AMM	23-73-22-400-001	Installation of the Attendant Indication Panel (320RH,321RH,322RH)	
R		23-73-47-000-001 23-73-47-400-001 23-73/25	Removal of the Decoder/Encoder Unit B (300RH) Installation of the Decoder/Encoder Unit B (300RH)	

- 3. Fault Confirmation
 - A. Test
- R (1) Do the CIDS BITE test through the CFDS.
 R (Ref. AMM TASK 23-73-00-740-005)

EFF: 481-499,

23-73-00

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SROS

TROUBLE SHOOTING MANUAL

4. Fault Isolation

A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

```
B. If the CIDS BITE test gives the maintenance message ATTND IND PNL MID R:
R
         - install a new AIP (Ref. AMM TASK 23-73-22-000-001) (Ref. AMM TASK 23-
R
           73-22-400-001).
         (1) If the fault continues:
R
             - replace the related DEU-B (Ref. AMM TASK 23-73-47-000-001) (Ref.
               AMM TASK 23-73-47-400-001).
R
             (a) If the fault continues:
R
                 - do a check and repair the wiring between the:
R
                   DEU-B connector C/49 and the AIP connector A/1,
R
R
                   DEU-B connector C/50 and the AIP connector A/2,
R
                   DEU-B connector C/16 and the AIP connector A/4,
                   DEU-B connector C/17 and the AIP connector A/5,
R
                   DEU-B connector C/25 and the AIP connector A/6,
R
R
                   AIP connector A/3 and GND.
R
                   (Ref. ASM 23-73/25)
```

R C. Do the test is given in Para. 3. A.

R EFF: 481-499, SROS 23-73-00

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TROUBLE SHOOTING MANUAL

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

TASK 23-73-00-810-899

AIP - Fault in the EXIT RH Attendant Indication Panel

1. Possible Causes

R

- AIP

- DEU-B

- wiring

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

	REFERENCE		DESIGNATION	
	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS	
R	AMM	23-73-22-000-001	Removal of the Attendant Indication Panel (320RH,321RH,322RH)	
R	AMM	23-73-22-400-001	<pre>Installation of the Attendant Indication Panel (320RH,321RH,322RH)</pre>	
	AMM	23-73-47-000-001	Removal of the Decoder/Encoder Unit B (300RH)	
	AMM	23-73-47-400-001	Installation of the Decoder/Encoder Unit B (300RH)	
R	ASM	23-73/25		

- 3. Fault Confirmation
 - A. Test

R (1) Do the CIDS BITE test through the CFDS.
R (Ref. AMM TASK 23-73-00-740-005)

EFF: 276-299, 476-499, 503-549,

23-73-00

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4. Fault Isolation

R

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the CIDS BITE test gives the maintenance message ATTND IND PNL EXIT R: install a new AIP (Ref. AMM TASK 23-73-22-000-001) (Ref. AMM TASK 23-73-22-400-001).
 - (1) If the fault continues:
 - replace the related DEU-B (Ref. AMM TASK 23-73-47-000-001) (Ref. AMM TASK 23-73-47-400-001).
 - (a) If the fault continues:
- do a check and repair the wiring between the:

 R DEU-B connector C/49 and the AIP connector A/1,

 R DEU-B connector C/50 and the AIP connector A/2,

 R DEU-B connector C/16 and the AIP connector A/4,

 R DEU-B connector C/17 and the AIP connector A/5,

 R DEU-B connector C/25 and the AIP connector A/6,

 R AIP connector A/3 and GND.

 R (Ref. ASM 23-73/25)
 - C. Do the test given in Para. 3. A.

EFF: 276-299, 476-499, 503-549,

23-73-00

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SROS

TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 23-73-00-810-849

AIP - Fault in the AFT LH Attendant Indication Panel

1. Possible Causes

R

- AIP

- DEU-B

- wiring

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

	REFERENCE		DESIGNATION	
_				
R R	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS	
R	AMM	23-73-22-000-001	Removal of the Attendant Indication Panel (320RH,321RH,322RH)	
r R	AMM	23-73-22-400-001	Installation of the Attendant Indication Panel (320RH,321RH,322RH)	
ĸ	AMM AMM	23-73-47-000-001 23-73-47-400-001	Removal of the Decoder/Encoder Unit B (300RH) Installation of the Decoder/Encoder Unit B (300RH)	
R	ASM	23-73/27		

- 3. Fault Confirmation
 - A. Test
- R (1) Do the CIDS BITE test through the CFDS.
 R (Ref. AMM TASK 23-73-00-740-005)

EFF: ALL
SROS

23-73-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

R

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the CIDS BITE test gives the maintenance message ATTND IND PNL AFT L: R - install a new AIP (Ref. AMM TASK 23-73-22-000-001) (Ref. AMM TASK 23-73-22-400-001).
 - (1) If the fault continues:
 - replace the related DEU-B (Ref. AMM TASK 23-73-47-000-001) (Ref. AMM TASK 23-73-47-400-001).
 - (a) If the fault continues:
- do a check and repair the wiring between the: DEU-B connector C/49 and the AIP connector A/1, R R DEU-B connector C/50 and the AIP connector A/2, R DEU-B connector C/16 and the AIP connector A/4, DEU-B connector C/17 and the AIP connector A/5, R DEU-B connector C/25 and the AIP connector A/6, R AIP connector A/3 and GND. R (Ref. ASM 23-73/27) R
 - C. Do the test given in Para. 3. A.

EFF: ALL **SROS** Printed in France 23-73-00

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-850

AIP - Fault in the AFT RH Attendant Indication Panel

1. Possible Causes

R

- AIP
- DEU-B
 - wiring
 - 2. Job Set-up Information
 - A. Referenced Information

	REFE	RENCE	DESIGNATION
R	AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System
R R	AMM	23-73-22-000-001	(CIDS) through the CFDS Removal of the Attendant Indication Panel (320RH,321RH,322RH)
R R	AMM	23-73-22-400-001	Installation of the Attendant Indication Panel (320RH, 321RH, 322RH)
R		23-73-47-000-001 23-73-47-400-001 23-73/27	Removal of the Decoder/Encoder Unit B (300RH) Installation of the Decoder/Encoder Unit B (300RH)

- 3. Fault Confirmation
 - A. Test
- (1) Do the CIDS BITE test through the CFDS. R (Ref. AMM TASK 23-73-00-740-005)

EFF: ALL SROS

Printed in France

23-73-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

R

- R A. If the test gives a different maintenance message, do the trouble
 R shooting procedure related to the maintenance message.
- B. If the CIDS BITE test gives the maintenance message ATTND IND PNL AFT R:

 install a new AIP (Ref. AMM TASK 23-73-22-000-001) (Ref. AMM TASK 23-73-22-400-001).
 - (1) If the fault continues:
 - replace the related DEU-B (Ref. AMM TASK 23-73-47-000-001) (Ref. AMM TASK 23-73-47-400-001).
 - (a) If the fault continues:
- do a check and repair the wiring between the:

 R DEU-B connector C/49 and the AIP connector A/1,

 R DEU-B connector C/50 and the AIP connector A/2,

 R DEU-B connector C/16 and the AIP connector A/4,

 R DEU-B connector C/17 and the AIP connector A/5,

 R DEU-B connector C/25 and the AIP connector A/6,

 R AIP connector A/3 and GND.

 R (Ref. ASM 23-73/27)
 - C. Do the test given in Para. 3. A.

EFF : ALL
SROS
Printed in France

23-73-00

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-900

PTP - CIDS FAIL or CIDS DEGRADATION status message

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

REFERENCE	DESIGNATION
AMM 23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS

- 3. Fault Confirmation
 - A. Do the CIDS-BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

EFF: ALL 23-73-00

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-901

- R Crew buzzer starts unwanted in the cockpit
 - 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - 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 ASM 23-73/03	Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH)

- 3. Fault Confirmation
 - A. Do the CIDS 1 (ACT) DIRECTOR test and the CIDS 2 (PAS) DIRECTOR test through the CFDS.
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- R B. Maintenance Action
 - (1) If the fault message DIRECTOR 1 or DIRECTOR 2 is shown on the CFDS: - replace the DIR-CIDS, 1 (101RH) and/or DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - (2) If no fault message is shown on the CFDS:
 - do a check and repair the wiring between the DIR-CIDS1 connector 101RH-AB/A13 and the FWC1 connector 1WW1-AA/7J DIR-CIDS1 connector 101RH-AB/A13 and the FWC2 connector 1WW2-AA/7J DIR-CIDS2 connector 102RH-AB/A13 and the FWC1 connector 1WW1-AA/7J DIR-CIDS2 connector 102RH-AB/A13 and the FWC2 connector 1WW2-AA/7J (Ref. ASM 23-73/03).
 - C. Do the test as given in Para. 3 A. and check that no spurious activation of the crew buzzer in the cockpit is heard.

R FFF: ALL Page B234 May 01/07 SROS

TROUBLE SHOOTING MANUAL

R **ON A/C 201-225, 227-227, 229-275, 426-475, 551-599, 701-749,

TASK 23-73-00-810-902

No PA and no Interphone from both AFT ATTND Stations

- 1. Possible Causes
 - DEU-B (300RH5)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE	DESIGNATION
AMM 23-73-47-000-001 AMM 23-73-47-400-001 AMM 25-62-00-210-001	Removal of the Decoder/Encoder Unit B (300RH) Installation of the Decoder/Encoder Unit B (300RH) Check Pressure at Door Escape-Slide/Slide Raft Pressure Gage (if not connected to CIDS)

- 3. Fault Confirmation
 - A. Do this test:

ACTION RESULT ______

- 1. On the Programming and Test Panel On the PTP: (PTP):
 - push the SYSTEM TEST line the SYSTEM TEST menu comes on. select key.
 - push the CONT line select key until the DEU-B line select key comes on.

 - push the DEU-B line select key. the DEU-B TEST menu page comes on with a flashing display WAIT FOR RESPONSE.
 - after some seconds the following message comes on: ATA 23-73-47 DEU-B 300RH5

201-225, 227-227, 229-275, 426-475,

551-599, 701-749,

SROS

23-73-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the DEU-B 300RH5 failure message comes on:
 - replace the DEU-B (300RH5) (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).

NOTE: If no spare DEU-B is available and to avoid AOG due to two inoperative ATTND stations it is possible to swap DEU-B 300RH5 with DEU-B 300RH4.

Ignore the SLIDE PRESS LOW message on the PTP generated by the swapped faulty DEU-B 300RH5. To make sure that the pressure gage of the RH offwing slide inflation-reservoir is in the correct range do the Inspection/Check procedure of the offwing slide inflation-reservoir (Ref. AMM TASK 25-62-00-210-001).

5. Close-up

A. Do this test:

NOTE: In case you have swapped the DEU-B 300RH5 with DEU-B 300RH4 ignore the failure message generated by the faulty DEU-B on the position of DEU-B 300RH4.

______ RESULT ACTION

1. On the Programming and Test Panel On the PTP: (PTP):

- push the SYSTEM TEST line the SYSTEM TEST menu comes on. select key.
- push the CONT line select key until the DEU-B line select key comes on.
- push the DEU-B line select key.
- the DEU-B TEST menu page comes on with a flashing display WAIT FOR RESPONSE.
 - after some seconds the following message comes on: ATA 23-73-47 TEST OK

201-225, 227-227, 229-275, 426-475,

551-599, 701-749,

23-73-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 23-73-00-810-903

CFDS - Mandatory Layout or Emergency Mode in use

- 1. Possible Causes
 - PROGRAMMING AND TEST PANEL (110RH)
 - DIR-CIDS, 1 (101RH)
 - MODULE-CABIN ASSIGNMENT (115RH)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM	23-73-18-000-001	Removal of the Programming and Test Panel (110RH)
AMM	23-73-18-400-001	<pre>Installation of the Programming and Test Panel (110RH)</pre>
AMM	23-73-19-000-001	Removal of the Cabin Assignment Module (115RH)
AMM	23-73-19-400-001	Installation of the Cabin Assignment Module (115RH)
AMM	23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH,102RH)
ASM	23-73/09	

- 3. Fault Confirmation
 - A. Test
 - (1) Do the CIDS BITE test (Ref. AMM TASK 23-73-00-740-005).
 - (2) On CFDS select:
 - <SYSTEM REPORT/TEST
 - <COM
 - <CIDS1
 - <TEST

EFF: ALL

23-73-00

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TROUBLE SHOOTING MANUAL

4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the CIDS1 TEST gives the maintenance message MANDATORY LAYOUT OR EMERGENCY MODE IN USE and on the GROUND SCANNING page the message NO PTP DATA:
 - replace the PROGRAMMING AND TEST PANEL (110RH) (Ref. AMM TASK 23-73-18-000-001) and (Ref. AMM TASK 23-73-18-400-001).
 - (1) If the fault continues:
 - CB 161RH and PTP connector A/17, DIR-CIDS (101RH) connector AA/F12 and PTP (110RH) connector A/1, DIR CIDS (101RH) connector AA/G12 and PTP (110RH) connector A/2, DIR-CIDS (102RH) connector AA/F12 and PTP (110RH) connector A/6, DIR-CIDS (102RH) connector AA/G12 and PTP (110RH) connector A/7, DIR-CIDS (101RH) connector AA/J12 and PTP (100RH) connector A/4, DIR-CIDS (101RH) connector AA/K12 and PTP (110RH) connector A/5, DIR-CIDS (102RH) connector AA/J12 and PTP (110RH) connector A/4, DIR-CIDS (102RH) connector AA/K12 and PTP (110RH) connector A/5,
 - PTP (110RH) connector A/3 and GND,
 - PTP (110RH) connector A/8 and GND,

- do a check and repair the wiring between:

- PTP (110RH) connector A/16 and GND (Ref. ASM 23-73/09).
- (2) 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).
- C. If the CIDS1 TEST gives the maintenance message MANDATORY LAYOUT OR EMERGENCY MODE IN USE and on the GROUND SCANNING page the message NO CAM DATA:
 - replace the MODULE-CABIN ASSIGNMENT (115RH) (Ref. AMM TASK 23-73-19-000-001) and (Ref. AMM TASK 23-73-19-400-001).

Close-up

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

23-73-00

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EFF:

ALL

TROUBLE SHOOTING MANUAL

**ON A/C 276-299, 479-499,

TASK 23-73-00-810-904

R EVAC - No function of the EVAC indication on 2064VU panel

- 1. Possible Causes
- 2064VU R
- DEU-B

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

REFERENCE		DESIGNATION
27_77_0	0-810-861	CIDS - Fault in all CIDS-related cabin functions
	-73-00-710-026	Operational test of the Emergency Evacuation (EVAC)
AMM 23	-73-00-710-026	Signaling System
AMM 23	-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM 23	-73-47-000-001	Removal of the Decoder/Encoder Unit B (300RH)
AMM 23	-73-47-400-001	Installation of the Decoder/Encoder Unit B (300RH)
ASM 23	-73/10	
3. Faul	t Confirmation	

- 5. Fault Confirmation
- A. Test R
- (1) Do the CIDS BITE test through the CFDS. (Ref. AMM TASK 23-73-00-740-005)
- (2) Do the operational test of the Emergency Evacuation (EVAC) Signaling R System. R

(Ref. AMM TASK 23-73-00-710-026)

EFF: 276-299, 479-499,

23-73-00

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SROS

TROUBLE SHOOTING MANUAL

4. Fault Isolation

R R

R

R

R

R

R

R

R

A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.

```
    R B. If the EVAC indication on one 2064VU panel does not come on:
    R one do a check for approx. 28V DC at the related 2064VU panel, pin 3.
    R (Ref. ASM 23-73/10)
```

- (1) If there are approx. 28V DC:replace the related panel 2064VU.
- R (2) If there not are approx. 28V DC:
 R do a check for approx. 28V DC at the related DEU-B, connector C pin
 R 9.
 R (Ref. ASM 23-73/10)
- R (a) If there are approx. 28V DC:

 replace the related DEU-B (Ref. AMM TASK 23-73-47-000-001) and

 (Ref. AMM TASK 23-73-47-400-001).
 - (b) If there are not approx. 28V DC:
 do a check and repair the wiring between:
 the related DEU-B, connector C pin 9 and the related 2064VU
 panel, pin 3.
 (Ref. ASM 23-73/10)
 - (c) If the fault continue:
 do a check of the wiring between:
 the related DEU-B, connector C pin 8 and the related 2064VU
 panel, pin 2.
 (Ref. ASM 23-73/10)
- - D. Do the test given in Para. 3.A.

EFF: 276-299, 479-499,

23-73-00

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-905

R EVAC - No function of the RESET pushbutton on 2064VU panel

1. Possible Causes

- R 2064VU
 - wiring
- R DEU-B

2. Job Set-up Information

A. Referenced Information

REFERENCE	DESIGNATION
27 77 00 040 044	
23-73-00-810-861	CIDS - Fault in all CIDS-related cabin functions
AMM 23-73-00-710-026	Operational test of the Emergency Evacuation (EVAC) Signaling System
AMM 23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM 23-73-47-000-001	Removal of the Decoder/Encoder Unit B (300RH)
AMM 23-73-47-400-001 ASM 23-73/10	Installation of the Decoder/Encoder Unit B (300RH)

3. Fault Confirmation

- A. Test
- R (1) Do the CIDS BITE test through the CFDS.
 R (Ref. AMM TASK 23-73-00-740-005)
- R (2) Do the operational test of the Emergency Evacuation (EVAC) Signaling
 R System.
 R (Ref. AMM TASK 23-73-00-710-026)

4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- R B. If there is no EVAC RESET function on one 2064VU panel:
 connect an electrical test cable at the related 2064VU panel between pin 1 and pin 2.
 (Ref. ASM 23-73/10)
- R (1) If the EVAC RESET function is possible:
 R replace the related panel 2064VU.

EFF: 276-299, 479-499,

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- (2) If there is no EVAC RESET function: R - connect an electrical test cable at the related DEU-B, connector C R R between pin 8 and pin 11. (Ref. ASM 23-73/10) R (a) If the EVAC RESET function is possible: R - check and repair the wiring between: R the related DEU-B, connector C and the related 2064VU panel, pin 11 to pin 1 and pin 8 to pin 2. R (Ref. ASM 23-73/10) R (b) If there is no EVAC RESET function: R R - replace the related DEU-B (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001). R C. If there is no EVAC RESET function on all 2064VU panels: R R - do the trouble shooting procedure. R (Ref. TASK 23-73-00-810-861)
 - D. Do the test given in Para. 3.A.

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**ON A/C ALL

TASK 23-73-00-810-907

- R CIDS MISMATCH CAM or Director with incorrect part number
 - 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - DIR-CIDS, 2 (102RH)
 - CAM 115RH,
 - 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM	23-73-19-000-001	Removal of the Cabin Assignment Module (115RH)
AMM	23-73-19-400-001	Installation of the Cabin Assignment Module (115RH)
AMM	23-73-34-000-001	Removal of the CIDS Director (101RH, 102RH)
AMM	23-73-34-400-001	Installation of the CIDS Director (101RH,102RH)

- 3. Fault Confirmation
 - A. Test
 - (1) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - B. If the fault is confirmed:
 - make sure that components with the correct partnumber are installed for:
 - CAM 115RH,
 - (Ref. AMM TASK 23-73-19-000-001) and (Ref. AMM TASK 23-73-19-400-001),
 - DIR-CIDS, 1 (101RH),
 - DIR-CIDS, 2 (102RH),
 - (Ref. AMM TASK 23-73-34-000-001) and (Ref. AMM TASK 23-73-34-400-001).
- 5. Close-up
 - A. Do the test given in Para. 3.A.

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TASK 23-73-00-810-911

No data from SDAC 1

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

REFERENCE	DESIGNATION
31-54-00-810-810	Failure of the SDAC 1
31-54-00-810-918	Failure of the SDAC1 and SDAC2
AMM 23-73-00-740-003	BITE-test of the Cabin Intercommunication Data System (CIDS) through the PTP
AMM 23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)
AMM 23-73-34-400-001	Installation of the CIDS Director (101RH,102RH)
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 23-73/03	
ASM 23-73/05	

- 3. Fault Confirmation
 - A. Do the BITE test of the CIDS (Ref. AMM TASK 23-73-00-740-003).
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - B. If the test gives the maintenance message NO SDAC 1 DATAon the ECAM control panel:select the ECAM STATUS page on the lower ECAM display.
 - (1) If the ECAM STATUS page shows the message SDAC 1:
 - do the related trouble shooting procedure (Ref. TASK 31-54-00-810-810).
 - (2) If the ECAM STATUS page shows the message SDAC 1+2:
 - do the related trouble shooting procedure (Ref. TASK 31-54-00-810-918).

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- (3) If the ECAM STATUS page does not show a message related to SDAC 1: - on the CFDS/MCDU: select the CLASS 3 FAULTS page of the CIDS 2.
 - (a) If the CLASS 3 FAULTS page does not show the message NO SDAC 1 DATA:
 - remove the DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - Do the BITE test of the CIDS (Ref. AMM TASK 23-73-00-740-003)
 - 1 If the test gives no maintenance message NO SDAC 1 DATA install a new DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - 2 If the test gives the maintenance message NO SDAC 1 DATA install the removed DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001).
 - remove the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001).
 - do a check of the wiring between: SDAC-1 (1WV1) connector AB pin 9G and DIR-CIDS, 1 (101RH) connector AA pin A9, SDAC-1 (1WV1) connector AB pin 9H and DIR-CIDS, 1 (101RH) connector AA pin B9, (Ref. ASM 23-73/03).
 - install the removed DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
 - install the removed SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-400-001).
 - (b) If the CLASS 3 FAULTS page shows the message NO SDAC 1 DATA:
 - remove the DIR-CIDS, 1 (101RH) and DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-000-001).
 - remove the SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-000-001).
 - do a check of the wiring between:
 SDAC-1 (1WV1) connector AB pin 9G and DIR-CIDS, 1 (101RH) connector AA pin A9,

SDAC-1 (1WV1) connector AB pin 9H and DIR-CIDS, 1 (101RH) connector AA pin B9,

SDAC-1 (1WV1) connector AB pin 9G and DIR-CIDS, 2 (102RH) connector AA pin A9,

SDAC-1 (1WV1) connector AB pin 9H and DIR-CIDS, 2 (102RH) connector AA pin B9,

(Ref. ASM 23-73/03) (Ref. ASM 23-73/05).

- install the removed DIR-CIDS, 1 (101RH) and DIR-CIDS, 2 (102RH) (Ref. AMM TASK 23-73-34-400-001).
- install the removed SDAC-1 (1WV1) (Ref. AMM TASK 31-55-34-400-001).

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5. Close-up

A. Do the test as given in Para. 3.

EFF: ALL SROS 23-73-00

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-912

No data from CFDIU

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

REFERENCE	DESIGNATION
31-32-00-810-880	Failure of the CFDIU
AMM 23-73-00-740-003	BITE-test of the Cabin Intercommunication Data System (CIDS) through the PTP
AMM 23-73-34-000-001	Removal of the CIDS Director (101RH,102RH)
AMM 23-73-34-400-001	Installation of the CIDS Director (101RH,102RH)
AMM 31-32-34-000-001	Removal of the CFDIU (1TW)
AMM 31-32-34-400-001 ASM 23-73/03	Installation of the CFDIU (1TW)

- 3. Fault Confirmation
 - A. Do the bite test of the CIDS (Ref. AMM TASK 23-73-00-740-003).
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - B. If the test gives the maintenance message NO CFDIU DATAon the ECAM control panel:select the ECAM STATUS page on the lower ECAM display.
 - (1) If the ECAM STATUS page shows the message CFDIU:
 - do the related trouble shooting procedure (Ref. TASK 31-32-00-810-880).
 - (2) If the ECAM STATUS page does not show the messages CFDIU:
 - remove the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001).
 - remove the CFDIU 1TW (Ref. AMM TASK 31-32-34-000-001).
 - do a check of the wiring between: CFDIU 1TW connector AA pin 3F and DIR-CIDS, 1 (101RH) connector AA pin A11, CFDIU 1TW connector AA pin 3G and DIR-CIDS, 1 (101RH) connector AA pin B11,

CFDIU 1TW connector AA pin 11F and DIR-CIDS, 1 (101RH) connector AA pin D11,

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CFDIU 1TW connector AA pin 11G and DIR-CIDS, 1 (101RH) connector AA pin E11, (Ref. ASM 23-73/03).

- install the removed DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-400-001).
- install the removed CFDIU 1TW (Ref. AMM TASK 31-32-34-400-001).

5. Close-up

A. Do the test as given in Para. 3.

EFF: ALL SROS 23-73-00

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-913

FAP - Light Module - No or wrong function

- 1. Possible Causes
 - ATTENDANT PANEL-FORWARD (120RH)
 - Light Module
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM	23-73-12-000-002	Removal of the Forward Attendant Panel (120RH)
AMM	23-73-12-000-003	Removal of the Light Module
AMM	23-73-12-400-002	Installation of the Forward Attendant Panel (120RH)
AMM	23-73-12-400-003	Installation of the Light Module

3. Fault Confirmation

- A. Test
 - (1) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
 - (2) Push on the FAP 120RH on the Light Modul the related switches to control the effected Light system.

4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- **B.** If there is no maintenance message, but one or more function controls are not possible from the Light Module:
 - replace the Light Module (Ref. AMM TASK 23-73-12-000-003) and (Ref. AMM TASK 23-73-12-400-003):
 - (1) If the fault continues:
 - replace the ATTENDANT PANEL-FORWARD (120RH) (Ref. AMM TASK 23-73-12-000-002) and (Ref. AMM TASK 23-73-12-400-002).
 - (2) If the fault continues:
 - do the trouble shooting of the related light system.

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5. Close-up

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

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-914

FAP - Audio Module - No or wrong function

- 1. Possible Causes
 - ATTENDANT PANEL-FORWARD (120RH)
 - Audio Module
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM	23-73-12-000-002	Removal of the Forward Attendant Panel (120RH)
AMM	23-73-12-000-004	Removal of the Audio Module
AMM	23-73-12-400-002	Installation of the Forward Attendant Panel (120RH)
AMM	23-73-12-400-004	Installation of the Audio Module

3. Fault Confirmation

- A. Test
 - (1) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
 - (2) Push on the FAP 120RH on the Audio Modul the related switches to control the system.

4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- **B.** If there is no maintenance message, but one or more function controls are not possible from the Audio Module:
 - replace the Audio Module (Ref. AMM TASK 23-73-12-000-004) and (Ref. AMM TASK 23-73-12-400-004):
 - (1) If the fault continues:
 - replace the ATTENDANT PANEL-FORWARD (120RH) (Ref. AMM TASK 23-73-12-000-002) and (Ref. AMM TASK 23-73-12-400-002).
 - (2) If the fault continues:
 - do the trouble shooting of the related audio system.

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5. Close-up

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

EFF: ALL SROS 23-73-00

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TASK 23-73-00-810-915

FAP - Miscellaneous Module - No or wrong function

1. Possible Causes

- ATTENDANT PANEL-FORWARD (120RH)
- Miscellaneous Module

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION	
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS	
AMM	23-73-12-000-002	Removal of the Forward Attendant Panel (120RH)	
AMM	23-73-12-000-005	Removal of the Miscellaneous Module	
AMM	23-73-12-400-002	Installation of the Forward Attendant Panel (120RH)	
AMM	23-73-12-400-005	Installation of the Miscellaneous Module	

3. Fault Confirmation

A. Test

- (1) Do the CIDS BITE test through the CFDS (Ref. AMM TASK 23-73-00-740-005).
- (2) Push on the FAP 120RH on the Miscellaneous Modul the related switches to control the system.

4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- **B.** If there is no maintenance message, but one or more function controls are not possible from the Miscellaneous Module:
 - replace the Miscellaneous Module (Ref. AMM TASK 23-73-12-000-005) and (Ref. AMM TASK 23-73-12-400-005):
 - (1) If the fault continues:
 - replace the ATTENDANT PANEL-FORWARD (120RH) (Ref. AMM TASK 23-73-12-000-002) and (Ref. AMM TASK 23-73-12-400-002).
 - (2) If the fault continues:
 - do the trouble shooting of the related system.

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5. Close-up

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

EFF: ALL SROS 23-73-00

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-929

- R PAX CALL lamp at LAV(x) fault
 - 1. Possible Causes
 - PAX CALL LAMP / LAVATORY CALL LIGHT
 - wiring
 - DEU-A (200RHxx)
 - 2. Job Set-up Information
 - A. Fixtures, Tools, Test and Support Equipment

REFERENCE QTY DESIGNATION

No specific

1 MULTIMETER - STANDARD

B. Referenced Information

REFERENCE DESIGNATION

Operational test of the passenger call lamps through the MCDU

AMM 23-73-14-000-001 Removal of the Lavatory Call Light

AMM 23-73-14-400-001 Installation of the Lavatory Call Light

AMM 23-73-46-000-001 Removal of the Decoder/Encoder Unit A (200RH)

AMM 23-73-46-400-001 ASM 23-73/07

ASM 23-73/18 ASM 23-73/19

- 3. Fault Confirmation
 - A. Test for the Pax Call Lamps / Lavatory Call Lights
 - (1) Do the CIDS1/SIGN LAMP test through the CFDS (Ref. AMM TASK 23-73-00-710-033).

Installation of the Decoder/Encoder Unit A (200RH)

NOTE: An erroneous class 3 fault message will be recorded for each LED PAX CALL LAMP (without bulbs), if the test of the related lamps is not deactivated in the CAM.

(2) Push the Call Button in the related lavatory to make sure that the related Pax Call Lamp / Lavatory Call Light comes on.

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4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If the CIDS1/SIGN LAMP test gives the maintenance message PAX CALL LAMP LAV X and the lamp does not come on:

NOTE: X identifies the location of the affected lavatory.

- replace the related PAX CALL LAMP / LAVATORY CALL LIGHT (Ref. AMM TASK 23-73-14-000-001) and (Ref. AMM TASK 23-73-14-400-001).
- (1) If the fault continues:
 - do a check for 28 VDC with a MULTIMETER STANDARD at the related DEU-A between the related pairs of connectors given below: Connectors C/7 and C/18 or Connectors C/9 and C/19 or Connectors C/11 and C/20 (Ref. ASM 23-73/07), (Ref. ASM 23-73/18) and (Ref. ASM 23-73/19).
 - (a) If there is approx. 28 VDC:
 - do a check and repair the wiring if necessary between the: Pins 1 and 2 of the related Pax Call Lamp / Lavatory Call Light and the related DEU-A pairs of connectors given below: Connectors C/7 and C/18 or Connectors C/9 and C/19 or Connectors C/11 and C/20 (Ref. ASM 23-73/07), (Ref. ASM 23-73/18) and (Ref. ASM 23-73/19).
 - (b) If there is no 28 VDC:
 - replace the related DEU-A (200RHxx) (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).
- C. If the CIDS1/SIGN LAMP test gives the maintenance message PAX CALL LAMP XX and the lamps come on, no other maintenance action is necessary.

NOTE : An erroneous class 3 fault message will be recorded for each LED PAX CALL LAMP (without bulbs), if the test of the related lamps is not deactivated in the CAM.

Close-up

A. Do the test as given in Para. 3.A.

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-930

- R PAX CALL lamp / Seat-row identifier fault
 - 1. Possible Causes
 - INDICATOR LIGHT-PASSENGER CALL/SEAT ROW IDENTIFIER (505RH)
 - INDICATOR LIGHT-PASSENGER CALL/SEAT ROW IDENTIFIER (506RH)
 - PCB 2038VU
 - wiring
 - DEU-A (200RHxx)
 - PCB 509RH/510RH
 - 2. Job Set-up Information
 - A. Fixtures, Tools, Test and Support Equipment

REFERENCE

QTY DESIGNATION

No specific

2 MULTIMETER - STANDARD

B. Referenced Information

REFERENCE DESIGNATION

AMM 23-73-00-710-033 Operational test of the passenger call lamps through the MCDU AMM 23-73-14-000-006 Removal of the Seat Row Call/Numbering Light AMM 23-73-14-400-006 Installation of the Seat Row Call/Numbering Light 23-73-46-000-001 Removal of the Decoder/Encoder Unit A (200RH) AMM AMM 23-73-46-400-001 Installation of the Decoder/Encoder Unit A (200RH) Removal of the Printed Circuit Board 23-73-49-000-001 AMM AMM 23-73-49-400-001 Installation of the Printed Circuit Board ASM 23-73/13

3. Fault Confirmation

ASM 23-73/14

- A. Test for the Pax Call Lamps / Seatrow Identifier.
 - (1) Do the CIDS1/SIGN LAMP test through the CFDS (Ref. AMM TASK 23-73-00-710-033).

NOTE: An erroneous class 3 fault message will be recorded for each LED PAX CALL LAMP / Seatrow Identifier (without bulbs), if the test of the related lamps is not deactivated in the CAM.

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(2) Open at least one PAX-door to make sure that all Pax Call Lamps / Seatrow Identifiers come on.

4. Fault Isolation

- A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. For Pax Call Lamps / Seatrow Identifier with bulbs: If the CIDS1/SIGN LAMP test gives the maintenance message PAX CALL LAMP XX and the lamp does not come on:

- replace the related INDICATOR LIGHT-PASSENGER CALL/SEAT ROW IDENTIFIER (505RH) and/or INDICATOR LIGHT-PASSENGER CALL/SEAT ROW IDENTIFIER (506RH) (Ref. AMM TASK 23-73-14-000-006) and (Ref. AMM TASK 23-73-14-400-006).
- (1) If the fault continues:
 - do a check for 28 VDC with a MULTIMETER STANDARD at pins B and C on the related PCB 2038VU (Ref. ASM 23-73/13) and (Ref. ASM 23-73/14).
 - (a) If there is approx. 28 VDC:
 - replace the related PCB 2038VU (Ref. AMM TASK 23-73-49-000-001) and (Ref. AMM TASK 23-73-49-400-001).
 - (b) If there is no 28 VDC:
 - do a check for 28VDC with a MULTIMETER STANDARD at the related DEU-A between the related pairs of connectors given below:

Connectors C/7 and C/18 or Connectors C/9 and C/19 or

Connectors C/11 and C/20 (Ref. ASM 23-73/13) and (Ref. ASM 23-73/14).

- 1 If there is approx. 28 VDC:
 - do a check and repair the wiring if necessary between the: Pins B and C on the related PCB and the related DEU-A pairs of connectors given below: Connectors C/7 and C/18 or Connectors C/9 and C/19 or Connectors C/11 and C/20 (Ref. ASM 23-73/13) and (Ref. ASM 23-73/14).
- 2 If there is no 28 VDC:
 - replace the related DEU-A (200RHxx) (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).

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- C. For Pax Call Lamps / Seatrow Identifier with LED (without bulbs)
 - If the related Pax Call Lamp / Seatrow Identifier does not come on:
 do a check for 28 VDC with a MULTIMETER STANDARD at pins B and C on the related PCB 509RH/510RH (Ref. ASM 23-73/13) and (Ref. ASM 23-73/14).
 - (1) If there is approx. 28 VDC:
 - replace the related PCB 509RH/510RH (Ref. AMM TASK 23-73-49-000-001) and (Ref. AMM TASK 23-73-49-400-001).
 - (2) If there is no 28 VDC:
 - do a check for 28VDC with a MULTIMETER STANDARD at the related DEU-A between the related pairs of connectors given below: Connectors C/7 and C/18 or Connectors C/9 and C/19 or Connectors C/11 and C/20 (Ref. ASM 23-73/13) and (Ref. ASM 23-73/14).
 - (a) If there is approx. 28 VDC:
 - do a check and repair the wiring if necessary between the: Pins B and C on the related PCB and the related DEU-A pairs of connectors given below: Connectors C/7 and C/18 or Connectors C/9 and C/19 or Connectors C/11 and C/20 (Ref. ASM 23-73/13) and (Ref. ASM 23-73/14).
 - (b) If the fault continues:
 - replace the related DEU-A (200RHxx) (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).
- D. If the CIDS1/SIGN LAMP test gives the maintenance message PAX CALL LAMP XX and the lamps come on, no other maintenance action is necessary.
 - NOTE : An erroneous class 3 fault message will be recorded for each LED PAX CALL / Seatrow Identifier (without bulbs), if the test of the related lamps is not deactivated in the CAM.

Close-up

A. Do the test as given in Para. 3.A.

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EFF:

ALL

TROUBLE SHOOTING MANUAL

**ON A/C 456-475,

TASK 23-73-00-810-950

Circuit breaker / CAN BUS fault

- 1. Possible Causes
- 2. Job Set-up Information

Not Applicable

- 3. Fault Confirmation
 - A. Test
 - (1) Do the SYSTEM TEST of the CIDS-SDF system.
 - (a) On the MCDU:
 - Set the "SYSTEM REPORT / TEST" page
 - Set the "FIRE PROT" page
 - Set the "SMOKE" (or "SDCU" and on the subsequent page "NEXT PAGE" as specified by the installed CFDIU-standard) page
 - Set the "SYSTEM TEST" page in the CIDS-SDF menu.
- 4. Fault Isolation
 - A. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
 - B. If the test gives a CIRCUIT BREAKER 14WH / CAN BUS B or CIRCUIT BREAKER 15WH / CAN BUS A message:
 - (1) Make sure that the circuit breaker is closed.
 - (2) Do a check and repair the wiring between the related circuit breaker and the related CIDS-SDF channel.
 - (3) If the fault continues:
 - (a) Do a check and repair the wiring between the related SDF channel and the first smoke detector:
 - 1WH if the message is CIRCUIT BREAKER 15WH / CAN BUS A
 - 2WH if the message is CIRCUIT BREAKER 14WH / CAN BUS B.
 - C. Test

Do the test given in para. 3.

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5.	r	lose-up	١
J.	·	LUSE-UL	J

A. Put the aircraft back to its initial configuration.

EFF : 456-475, SROS 23-73-00

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TROUBLE SHOOTING MANUAL

**ON A/C ALL

TASK 23-73-00-810-952

CAM/PTP Fault

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

REFERENCE	DESIGNATION
AMM 23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System
ASM 23-73/09	(CIDS) through the CFDS

- 3. Fault Confirmation
 - A. Test
 - (1) Do the BITE test of the CIDS through the CFDS (Ref. AMM TASK 23-73-00-740-005).
- 4. Fault Isolation
 - A. If the fault continues:
 - do a check and repair the wiring between:
 CB 161RH and PTP connector A/17,
 DIR-CIDS (101RH) connector AA/F12 and PTP (110RH) connector A/1,
 DIR-CIDS (101RH) connector AA/G12 and PTP (110RH) connector A/2,
 DIR-CIDS (102RH) connector AA/F12 and PTP (110RH) connector A/6,
 DIR-CIDS (102RH) connector AA/G12 and PTP (110RH) connector A/7,
 DIR-CIDS (101RH) connector AA/J12 and PTP (110RH) connector A/4,
 DIR-CIDS (101RH) connector AA/K12 and PTP (110RH) connector A/5,
 DIR-CIDS (102RH) connector AA/J12 and PTP (110RH) connector A/4,
 DIR-CIDS (102RH) connector AA/K12 and PTP (110RH) connector A/5,
 PTP (110RH) connector A/3 and GND,
 PTP (110RH) connector A/8 and GND,
 PTP (110RH) connector A/8 and GND,
 PTP (110RH) connector A/16 and GND (Ref. ASM 23-73/09).
 - **B.** If the fault continues, do the trouble shooting procedure related to the maintenance message.

EFF: ALL

23-73-00

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- 5. Close-up
 - A. Test

(1) Do the test given in para. 3.

EFF: ALL
SROS

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TASK 23-73-00-810-953

Cabin/Cockpit Incident Alert System - Cabin alert starts spuriously

- 1. Possible Causes
 - DIR-CIDS, 1 (101RH)
 - DIR-CIDS, 2 (102RH)
 - Switch Panel (2080VU1)
 - Relay (113RH)
 - DEU-B (300RH1)
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
AMM AMM AMM AMM AMM	23-73-23-000-001 23-73-23-400-001 23-73-34-000-001 23-73-34-400-001 23-73-47-000-001	Removal of the Switch Panel Installation of the Switch Panel Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH) Removal of the Decoder/Encoder Unit B (300RH) Installation of the Decoder/Encoder Unit B (300RH)
ASM ASM ASM ASM ASM	23-73/04 23-73/24 23-73/25 23-73/26 23-73/26	

3. Fault Confirmation

- A. Test
 - (1) Do the BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS. (Ref. AMM TASK 23-73-00-740-005)

EFF: ALL

23-73-00

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4. Fault Isolation

- A. If the test causes a maintenance message to show, do the trouble-shooting procedure related to the maintenance message.
- B. If the test does not cause a maintenance message to show:
 - Replace the Switch Panel (2080VU1).
 (Ref. AMM TASK 23-73-23-000-001), (Ref. AMM TASK 23-73-23-400-001),
 (Ref. ASM 23-73/24)
 - (1) If the fault continues:
 - Repeat step B of para. 4 for each remaining switch panel (2080VU).
 (Ref. ASM 23-73/25), (Ref. ASM 23-73/25), (Ref. ASM 23-73/26),
 (Ref. ASM 23-73/26)
 - (2) If the fault continues:
 - Replace the Relay (113RH).
 (Ref. ASM 23-73/04)
 - (3) If the fault continues:
 - Replace the active DIR-CIDS, 1 (101RH) or DIR-CIDS, 2 (102RH).
 (Ref. AMM TASK 23-73-34-000-001), (Ref. AMM TASK 23-73-34-400-001)
 - (4) If the fault continues:
 - Replace the DEU-B (300RH1).
 (Ref. AMM TASK 23-73-47-000-001), (Ref. AMM TASK 23-73-47-400-001)
 - (5) If the fault continues:
 - Repeat step 4 for each remaining DEU-B (300RH) that has a switch panel (2080VU) connected.

5. Close-up

- A. Test
 - (1) Do the test given in para. 3.

EFF: ALL

23-73-00

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TROUBLE SHOOTING MANUAL

TASK 23-73-00-810-955

Emergency Evacuation Signaling System - Evac horn starts spuriously

- 1. Possible Causes
 - DIR-CIDS, 2 (102RH)
 - DIR-CIDS, 1 (101RH)
 - Pushbutton Switch (3WP)
 - wiring
- 2. Job Set-up Information
 - A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System
AMM	23-73-34-000-001 23-73-34-400-001 25-63/01	(CIDS) through the CFDS Removal of the CIDS Director (101RH,102RH) Installation of the CIDS Director (101RH,102RH)

3. Fault Confirmation

- A. Test
 - (1) Do the BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS. (Ref. AMM TASK 23-73-00-740-005)
- 4. Fault Isolation
 - A. If the test causes a maintenance message to show, do the trouble-shooting procedure related to the maintenance message.
 - B. If the test does not cause a maintenance message to show:
 - Replace the passive DIR-CIDS, 2 (102RH).
 (Ref. AMM TASK 23-73-34-400-001), (Ref. AMM TASK 23-73-34-400-001)
 - (1) If the fault continues:
 - Replace the active DIR-CIDS, 1 (101RH).
 (Ref. AMM TASK 23-73-34-000-001), (Ref. AMM TASK 23-73-34-400-001)
 - (2) If the fault continues:
 - Replace the Pushbutton Switch (3WP) on the cockpit panel 21VU.
 (Ref. ASM 25-63/01)

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- (3) If the fault continues:
 - Remove the passive DIR-CIDS, 2 (102RH) and the active DIR-CIDS, 1 (101RH).

(Ref. AMM TASK 23-73-34-000-001)

- Check and repair the wiring between:
 Pushbutton switch (3WP) connector A/B3 and DIR-CIDS (101RH/102RH) connector AB/D14.
 (Ref. ASM 25-63/01)
- Install the passive DIR-CIDS, 2 (102RH) and the active DIR-CIDS, 1 (101RH).
 (Ref. AMM TASK 23-73-34-400-001)

5. Close-up

- A. Test
 - (1) Do the test given in para. 3.

EFF: ALL 23-73-00

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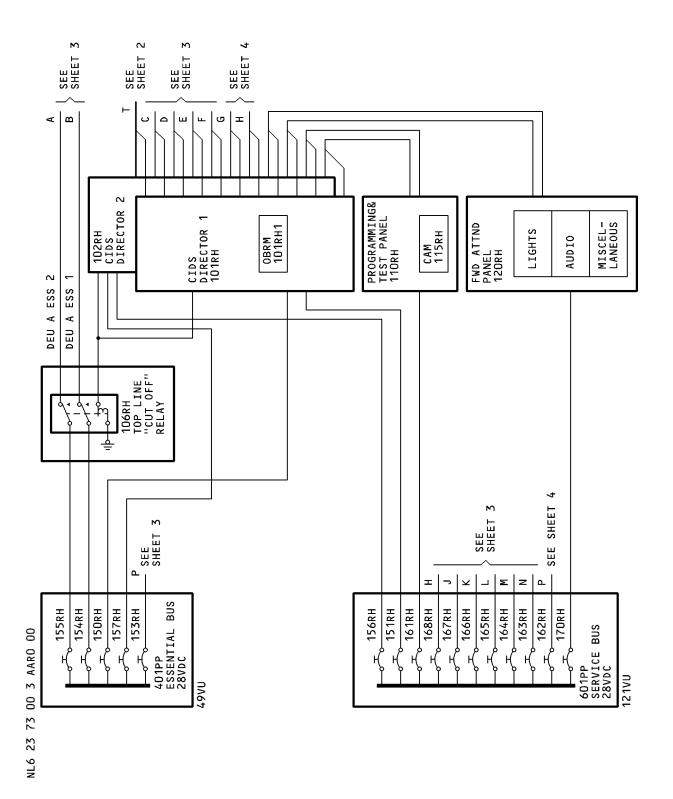
CABIN INTERCOMMUNICATION DATA SYSTEM (CIDS) - TASK SUPPORTING DATA

EFF: ALL

23-73-00

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Block Diagram - Sheet 1 Figure 301

R EFF: 201-225, 451-475, 551-599,

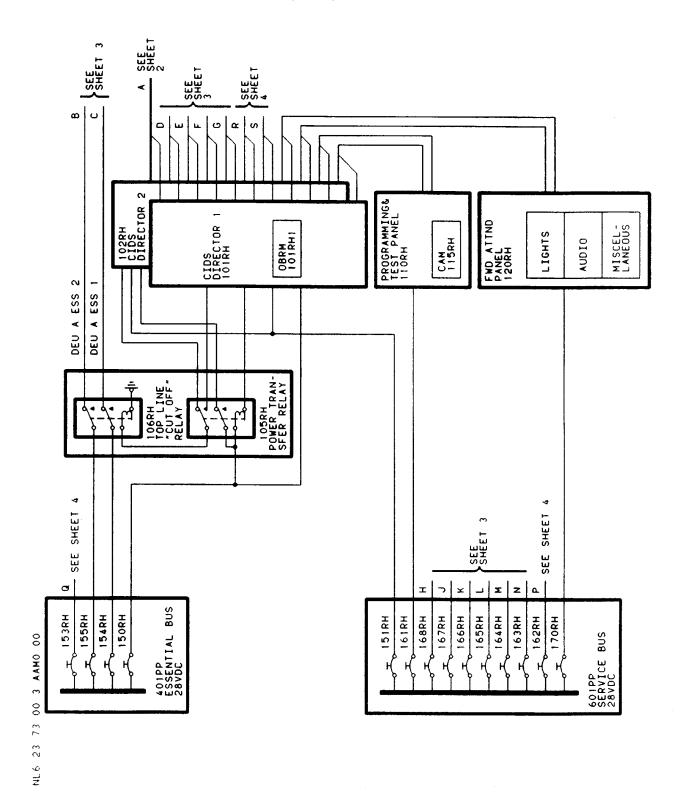
SROS

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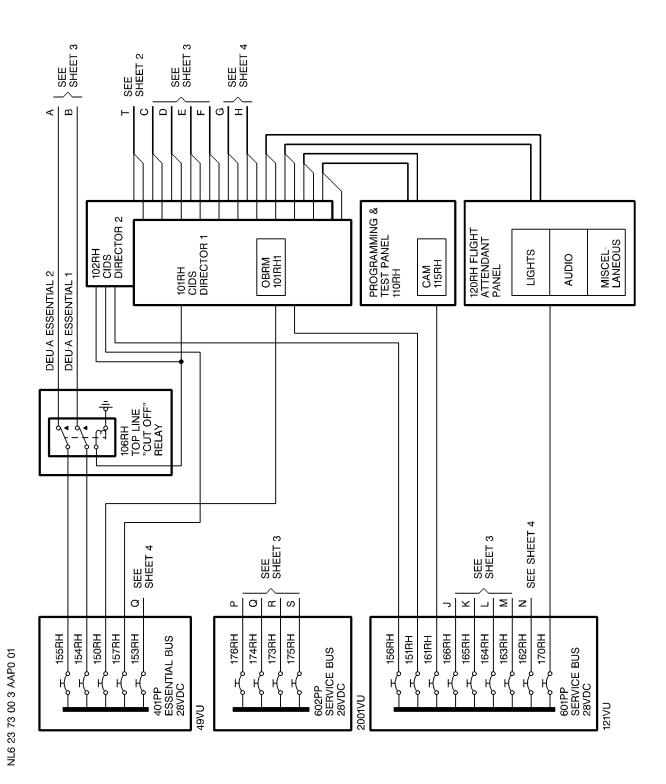
Block Diagram - Sheet 1 Figure 301A

R EFF: 227-227, 229-275, 426-450, 701-749, SROS

23-73-00

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TROUBLE SHOOTING MANUAL



Block Diagram - Sheet 1 Figure 301B

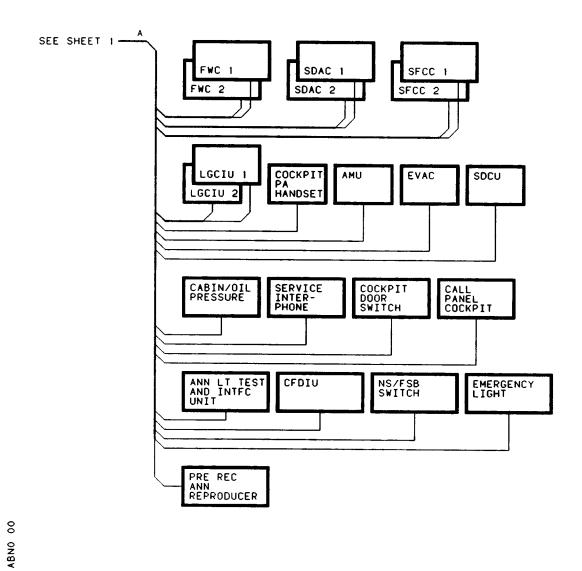
276-299, 476-499, 503-549, EFF: SROS

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TROUBLE SHOOTING MANUAL



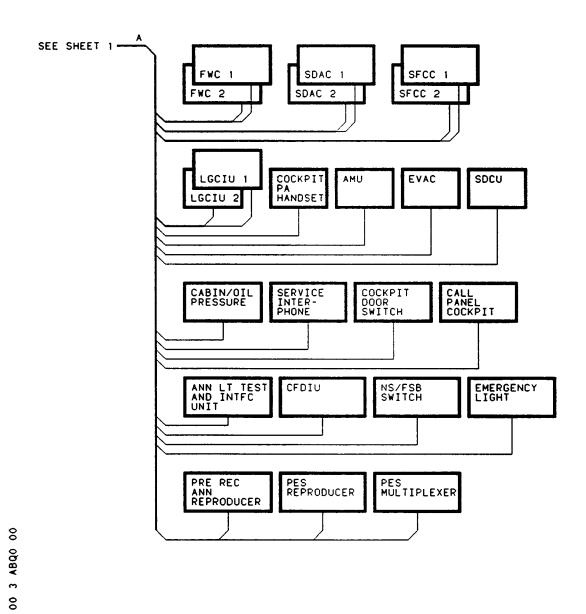
Block Diagram - Sheet 2 Figure 302

R EFF: 201-225, 227-227, 229-253, 276-299, 503-549, 551-599, 701-749, SROS

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Block Diagram - Sheet 2 Figure 302A

R EFF : 254-275, 426-499, SROS

73

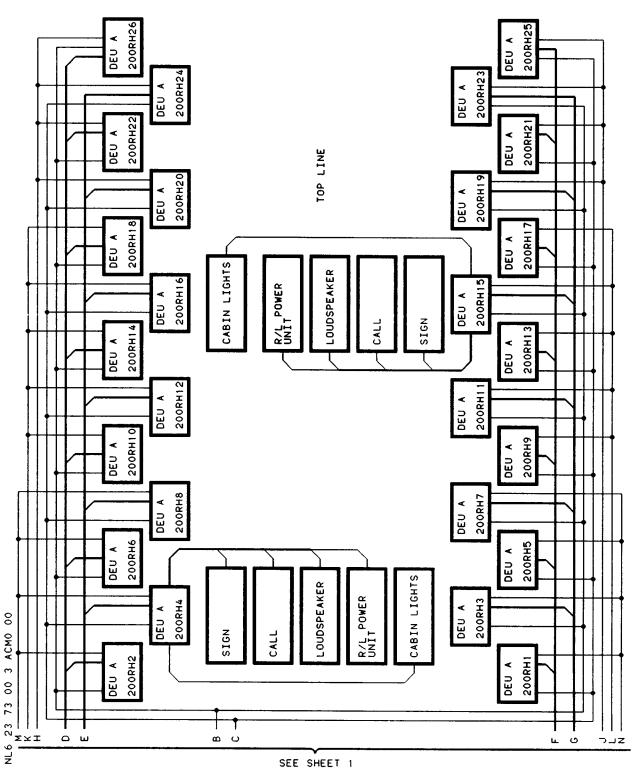
NL6 23

23-73-00

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Block Diagram - Sheet 3 Figure 303

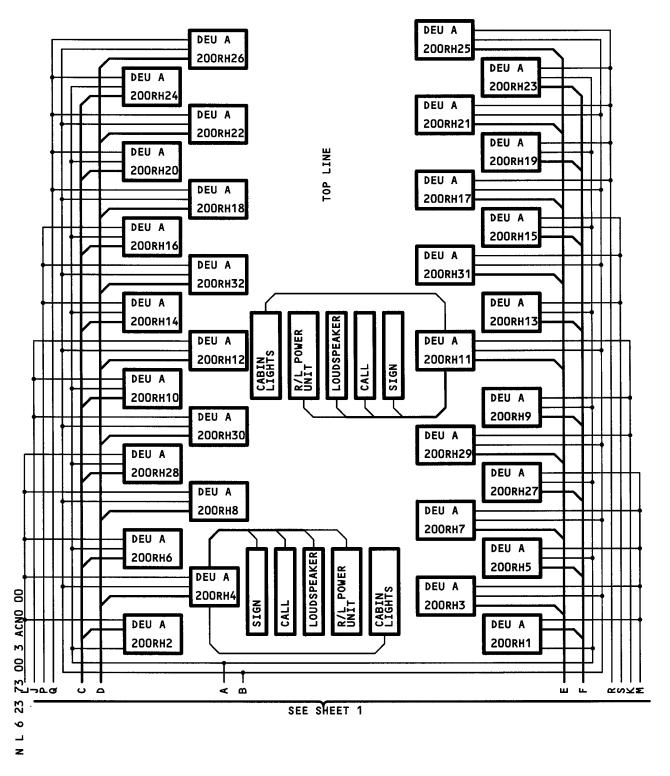
R EFF: 201-225, 227-227, 229-275, 426-475, 551-599, 701-749, SROS

23-73-00

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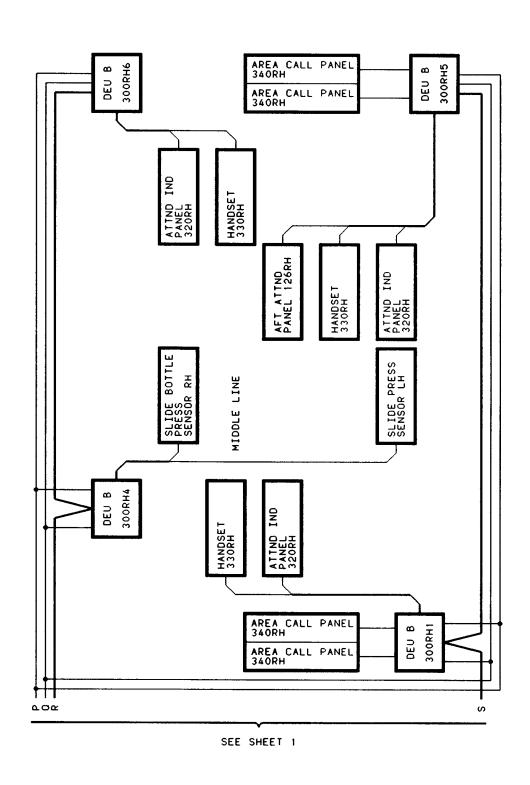
Block Diagram - Sheet 3 Figure 303A

R EFF: 276-299, 476-499, 503-549,
SROS
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TROUBLE SHOOTING MANUAL



Block Diagram - Sheet 4 Figure 304

R EFF: 201-225, 227-227, 229-233, 245-245, 251-251, 701-749, SROS

3 ADM0 00

00

23 73

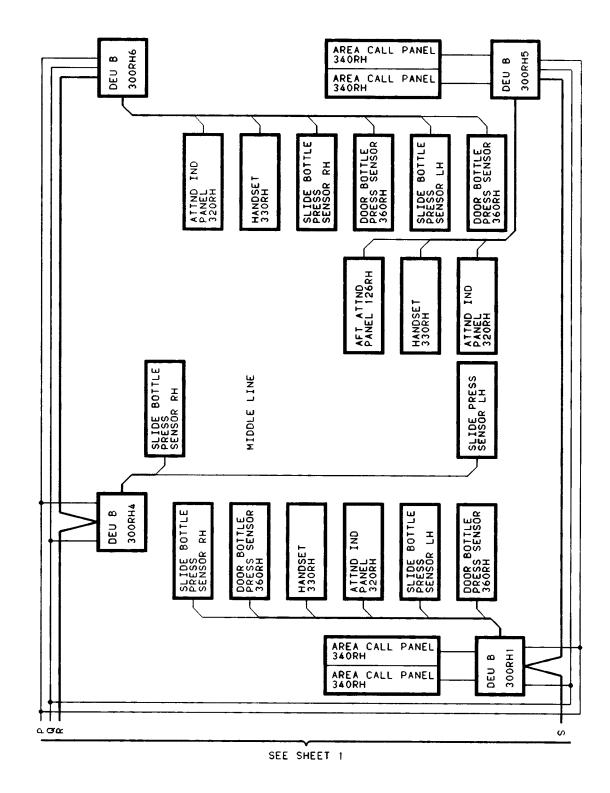
NL6

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Block Diagram - Sheet 4 Figure 304A

3 ADRO 00

73 00

23

NL6

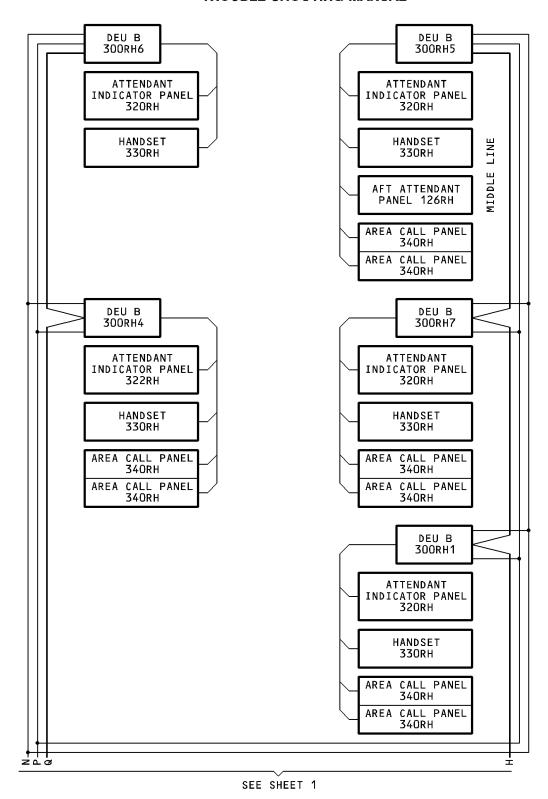
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R EFF: 234-244, 247-250, 252-275, 426-475, 551-599, SROS

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8

ADUO

M

8

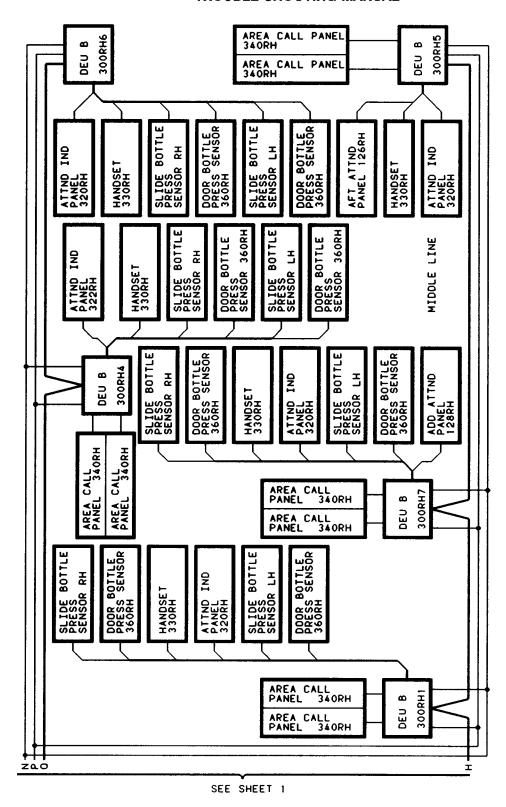
23 73

Block Diagram - Sheet 4 Figure 304B

R EFF: 276-299, 476-478, 503-549, Page 311 Aug 01/06 SROS

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TROUBLE SHOOTING MANUAL



Block Diagram - Sheet 4 Figure 304C

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R EFF: 479-480,
SROS
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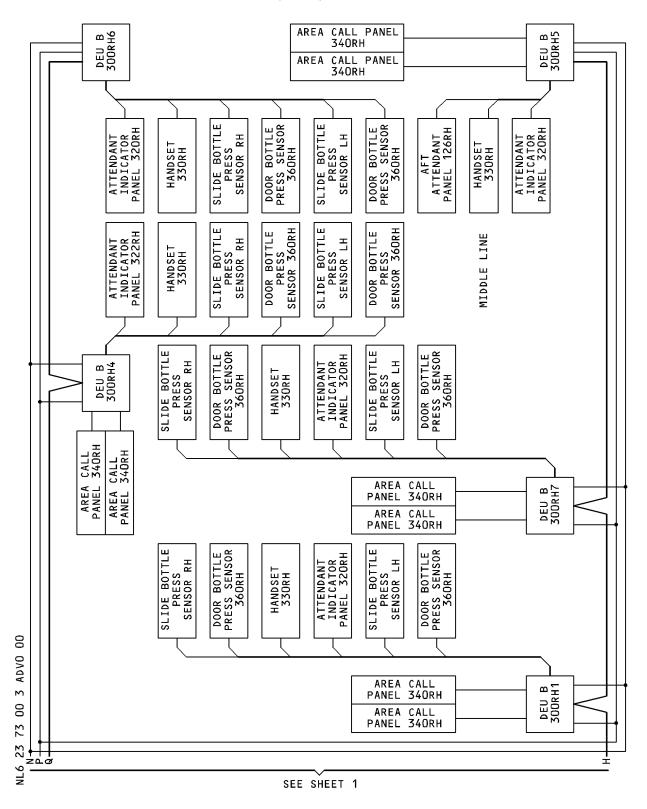
Page 312 Aug 01/06

9

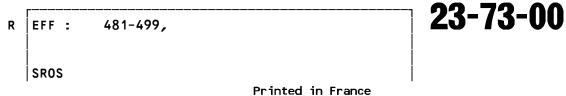
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@A319/A320/A321

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Block Diagram - Sheet 4 Figure 304D



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