

# **A319/A320/A321**

## **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

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T. of C.		2	Feb01/08	33-12-00		221	Aug01/98	33-21-00		201	Feb01/08
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T. of C.	R	6	May01/08	33-12-00		225	Aug01/98	33-21-00		205	Feb01/08
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				33-12-00		227	Aug01/98	33-21-00		207	Feb01/08
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33-OBSV		102	May01/99					33-21-00		209	Feb01/08
33-OBSV		103	May01/99	33-13-00		201	Aug01/94	33-21-00		210	Feb01/08
33-OBSV		104	May01/99	33-13-00		202	Aug01/94	33-21-00		211	Feb01/08
33-OBSV		105	Feb01/08	33-13-00		203	Aug01/94	33-21-00		212	Feb01/08
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33-OBSV		107	Feb01/08	33-13-00		205	Aug01/94	33-21-00	R	214	May01/08
33-OBSV		108	Feb01/00	33-13-00		206	Feb01/95	33-21-00		215	Feb01/08
33-OBSV		109	May01/07	33-13-00		207	Feb01/95	33-21-00		216	Feb01/08
				33-13-00		208	Feb01/95	33-21-00		217	Feb01/08
33-CFDS		101	Feb01/08	33-13-00		209	Feb01/95	33-21-00		218	Feb01/08
33-CFDS		102	Feb01/08	33-13-00		210	Feb01/95	33-21-00		219	Feb01/08
33-CFDS		103	Feb01/08	33-13-00		211	Feb01/95				
33-CFDS		104	Feb01/08	33-13-00		212	Feb01/95	33-24-00		201	Aug01/94
				33-13-00		213	Feb01/95	33-24-00		202	Aug01/94
33-12-00		201	Feb01/96	33-13-00		214	Feb01/95	33-24-00		203	Nov01/07
33-12-00		202	Aug01/94	33-13-00		215	Feb01/95	33-24-00		204	Nov01/07
33-12-00		203	Feb01/96	33-13-00		216	Feb01/95	33-24-00		205	Aug01/94
33-12-00		204	Aug01/94	33-13-00		217	Feb01/95	33-24-00		206	Aug01/94
33-12-00		205	Feb01/96								
33-12-00		206	Aug01/94	33-14-00		201	Nov01/05	33-25-00		201	May01/06
33-12-00		207	Feb01/96	33-14-00		202	Aug01/94	33-25-00		202	May01/06
33-12-00		208	Aug01/94	33-14-00		203	Nov01/05	33-25-00		203	May01/06
33-12-00		209	Aug01/94	33-14-00		204	Nov01/05	33-25-00		204	May01/06
33-12-00		210	Aug01/94	33-14-00		205	Nov01/05	33-25-00		205	May01/06
33-12-00		211	Aug01/94	33-14-00		206	Nov01/05	33-25-00		206	May01/06
33-12-00		212	Aug01/94	33-14-00		207	Nov01/05	33-25-00		207	May01/06
33-12-00		213	Feb01/08	33-14-00		208	Nov01/05				
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33-26-00		204	Aug01/94	33-41-00		205	Aug01/94	33-49-00		205	Aug01/94
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33-26-00		206	Aug01/94	33-42-00		201	Aug01/94	33-51-00		201	Nov01/07
33-26-00		207	Aug01/94	33-42-00		202	Aug01/94	33-51-00	R	202	May01/08
33-26-00		208	Aug01/94	33-42-00		203	Aug01/94	33-51-00	R	203	May01/08
				33-42-00		204	Aug01/94	33-51-00	R	204	May01/08
33-27-00		201	May01/07	33-42-00		205	Aug01/94	33-51-00	R	205	May01/08
33-27-00		202	May01/07	33-42-00		206	Aug01/94	33-51-00		206	Nov01/05
33-27-00		203	May01/07					33-51-00		207	Nov01/05
				33-43-00		201	Aug01/94	33-51-00		208	Nov01/05
33-31-00		201	Aug01/94	33-43-00		202	Aug01/94	33-51-00		209	Nov01/05
33-31-00		202	Aug01/94	33-43-00		203	Aug01/94	33-51-00		210	Nov01/05
33-31-00		203	Aug01/94	33-43-00		204	Aug01/94	33-51-00		211	Nov01/06
33-31-00		204	Aug01/94	33-43-00		205	Aug01/94	33-51-00		212	Nov01/06
33-31-00		205	Aug01/94	33-43-00		206	Aug01/94	33-51-00	R	213	May01/08
								33-51-00	R	214	May01/08
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				33-46-00		202	Aug01/94	33-51-00		216	Feb01/08
33-34-00		201	Aug01/94	33-46-00		203	Aug01/94	33-51-00		217	Nov01/07
33-34-00		202	Aug01/94	33-46-00		204	Aug01/94	33-51-00		218	Nov01/07
33-34-00		203	Aug01/94	33-46-00		205	Aug01/94	33-51-00		219	Nov01/07
33-34-00		204	Aug01/94	33-46-00		206	Aug01/94	33-51-00		220	Nov01/07
33-34-00		205	Aug01/94	33-46-00		207	Aug01/94	33-51-00	R	221	May01/08
33-34-00		206	Aug01/94	33-46-00		208	Aug01/94	33-51-00	R	222	May01/08
33-34-00		207	May01/06					33-51-00		223	Nov01/05
33-34-00		208	May01/06	33-47-00		201	Feb01/07	33-51-00		224	Nov01/06
				33-47-00		202	Feb01/07	33-51-00	R	225	May01/08
33-35-00		201	Feb01/96	33-47-00		203	May01/95	33-51-00	R	226	May01/08
33-35-00		202	Feb01/96	33-47-00		204	May01/95	33-51-00		227	Nov01/05
33-35-00		203	Aug01/94	33-47-00		205	May01/95	33-51-00		228	Nov01/06
33-35-00		204	Feb01/96	33-47-00		206	May01/95	33-51-00		229	Nov01/07
33-35-00		205	Aug01/94	33-47-00		207	May01/95	33-51-00	R	230	May01/08
33-35-00		206	Feb01/96	33-47-00		208	May01/95	33-51-00	R	231	May01/08
33-35-00		207	Feb01/96					33-51-00		232	Feb01/08
33-35-00		208	Feb01/96	33-48-00		201	May01/04	33-51-00		233	Feb01/08
33-35-00		209	Feb01/96	33-48-00		202	May01/04	33-51-00		234	Aug01/04
				33-48-00		203	Nov01/07	33-51-00		235	Nov01/05
33-37-00		201	Feb01/08	33-48-00		204	Nov01/07	33-51-00		236	Nov01/05
33-37-00	R	202	May01/08	33-48-00		205	Nov01/07	33-51-00		237	Nov01/05
33-37-00		203	May01/07	33-48-00		206	Aug01/94	33-51-00		238	Nov01/06
33-37-00		204	May01/07	33-48-00		207	Aug01/94	33-51-00		239	Feb01/08
33-37-00		205	May01/07	33-48-00		208	Aug01/94	33-51-00	R	240	May01/08
33-37-00	R	206	May01/08	33-48-00		209	Aug01/94	33-51-00	R	241	May01/08
33-37-00	R	207	May01/08	33-48-00		210	May01/04	33-51-00	R	242	May01/08
33-37-00	R	208	May01/08	33-48-00		211	Nov01/97	33-51-00	R	243	May01/08
33-37-00	R	209	May01/08	33-48-00		212	Nov01/07	33-51-00		244	Feb01/08
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33-41-00		201	Aug01/94	33-49-00		201	Aug01/94	33-51-00		246	Feb01/08
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33-51-00	R	250	May01/08	33-51-00		A201	Feb01/08	33-51-00		A252	Feb01/08
33-51-00	R	251	May01/08	33-51-00		A202	Feb01/08	33-51-00		A253	Feb01/08
33-51-00	R	252	May01/08	33-51-00		A203	Feb01/08	33-51-00		A254	Feb01/08
33-51-00		253	Feb01/08	33-51-00		A204	Feb01/08	33-51-00		A255	Feb01/08
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33-51-00	R	259	May01/08	33-51-00		A210	Feb01/08	33-51-00		A261	Feb01/08
33-51-00	R	260	May01/08	33-51-00		A211	Feb01/08	33-51-00		A262	Feb01/08
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33-51-00		263	Feb01/08	33-51-00		A214	Feb01/08	33-51-00		A265	Feb01/08
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33-51-00		265	Feb01/08	33-51-00		A216	Feb01/08	33-51-00		A267	Feb01/08
33-51-00		266	Feb01/08	33-51-00		A217	Feb01/08	33-51-00		A268	Feb01/08
33-51-00		267	Feb01/08	33-51-00		A218	Feb01/08	33-51-00		A269	Feb01/08
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33-51-00		274	Feb01/08	33-51-00	R	A225	May01/08	33-51-00		A276	Feb01/08
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33-51-00	R	280	May01/08	33-51-00		A231	Feb01/08	33-51-00	R	A282	May01/08
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<b>FAULT ISOLATION PROCEDURES</b>			201	ALL
Lavatory Signs - One Lamp in the Lavatory Occupied Sign does not come on			201	ALL
Lavatory Signs - The Occupied or Unoccupied Symbol in the Lavatory Lighted Sign does not come on			203	ALL
Lavatory Signs - The Toilet Occupied Symbol in the Cockpit (48VU) does not come on			207	ALL
<b>LIGHT - WORK, CABIN ATTENDANT</b>	<b>33-27-00</b>			
<b>FAULT ISOLATION PROCEDURES</b>			201	ALL
Cabin Attendant Work Light Fault			201	ALL
<b>SERVICE AREA LIGHTING</b>	<b>33-31-00</b>			
<b>FAULT ISOLATION PROCEDURES</b>			201	ALL
Service Area Lights - One or Two Service Area Lights in Section 19 do not come on			201	ALL
Socket - No 28 VDC at the Maintenance Socket in Section 19			203	ALL
Service Area Lights - The Service Area Light in the APU Compartment does not come on			204	ALL
<b>AIR CONDITIONING DUCT AND ACCESSORY COMPARTMENT LIGHTING</b>	<b>33-32-00</b>			
<b>FAULT ISOLATION PROCEDURES</b>			201	ALL
Socket - No 28 VDC at the Maintenance Socket of the Air Conditioning Compt.			201	ALL



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<u>SUBJECT</u>	<u>CH/SE/SU</u>	<u>C</u>	<u>PAGE</u>	<u>EFFECTIVITY</u>
<b>FWD - AFT CARGO COMPARTMENT LIGHTING</b>	<b>33-34-00</b>			
<b>FAULT ISOLATION PROCEDURES</b>			201	ALL
Cargo Comp. Lighting - One Light in the FWD or AFT Cargo Compartment does not come on			201	ALL
Cargo Comp. Lighting - No Lights in the FWD or AFT Cargo Compartment come on			204	ALL
Cargo Comp. Lighting - Light in the FWD or AFT Loading Area does not come on			207	ALL
<b>AVIONICS COMPARTMENT LIGHTING</b>	<b>33-35-00</b>			
<b>FAULT ISOLATION PROCEDURES</b>			201	ALL
Failure of One Lamp in an Avionics-Compartment Dome Light			201	ALL
Failure of the Avionics Compartment Dome Lights			204	ALL
Failure of the Aft-Left Lateral Dome Light in the Avionics Compartment			206	ALL
Failure of the Forward-Right Lateral Dome-Light in the Avionics Compartment			207	ALL
Failure of the Forward Avionics-Compartment Dome-Light			208	ALL
Failure of the Avionics Compartment Aft Dome Light			209	ALL
<b>WHEEL WELL LIGHTING</b>	<b>33-37-00</b>			
<b>FAULT ISOLATION PROCEDURES</b>			201	ALL
Wheel Well Lights - One or Two			201	ALL
Wheel Well Lights do not come on				
Sockets - No 28 VDC at the Sockets in Nosewheel Well and Hydraulic Comptartment			205	ALL
Hydraulic Compt. Lights - One or Two Hydraulic Compartment Lights do not come on			206	ALL
<b>NAVIGATION LIGHTS</b>	<b>33-41-00</b>			
<b>FAULT ISOLATION PROCEDURES</b>			201	ALL
Navigation Lights - Fault in the Navigation Lights			201	ALL

**LIGHTS****TABLE OF CONTENTS**

<b>SUBJECT</b>	<b>CH/SE/SU</b>	<b>C</b>	<b>PAGE</b>	<b>EFFECTIVITY</b>
<b>LANDING LIGHTS</b>	<b>33-42-00</b>			
<b>FAULT ISOLATION PROCEDURES</b>			201	ALL
Landing Lights - Landing Light 7LB (8LB) does not extend			201	ALL
Landing Lights - Landing Light 7LB (8LB) extends but Light does not come on			203	ALL
Landing Lights - Landing Light 7LB (8LB) does not retract			204	ALL
Landing Lights - Landing Light 7LB (8LB) retracts but Light does not go off			206	ALL
<b>RUNWAY TURNOFF LIGHTS</b>	<b>33-43-00</b>			
<b>FAULT ISOLATION PROCEDURES</b>			201	ALL
Failure of the Right Runway Turn off Light			201	ALL
Failure of the Left Runway Turn off Light			203	ALL
Failure of Both Runway Turn off Lights			205	ALL
<b>TAXI AND TAKE OFF LIGHTS</b>	<b>33-46-00</b>			
<b>FAULT ISOLATION PROCEDURES</b>			201	ALL
Failure of the Taxi Light			201	ALL
Failure of the Take off Light			204	ALL
Failure of the Taxi and Take off Lights			207	ALL
<b>LOGO LIGHTS</b>	<b>33-47-00</b>			
<b>FAULT ISOLATION PROCEDURES</b>			201	ALL
Logo Lights - One Logo Light does not come on			201	ALL
Logo Lights - Both Logo Lights do not come on			203	ALL
Logo Lights - One Logo Light does not go off			207	ALL
Logo Lights - Both Logo Lights do not go off			208	ALL
<b>ANTI-COLLISION/STROBE LIGHTING</b>	<b>33-48-00</b>			
<b>FAULT ISOLATION PROCEDURES</b>			201	ALL
Strobe Lights - None of the Anti-Collision Strobe Lights flash			201	ALL
Strobe Lights - One of the Anti-Collision Strobe Lights does			203	ALL

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<u>SUBJECT</u>	<u>CH/SE/SU</u>	<u>C</u>	<u>PAGE</u>	<u>EFFECTIVITY</u>
not flash Beacon Lights - The Upper Anti-Collision Beacon Light does not flash			206	ALL
Beacon Lights - The Lower Anti-Collision Beacon Light does not flash			208	ALL
Strobe lights - The Anti-Collision Strobe Lights will not switch off			210	ALL
<b>WING AND ENGINE SCAN LIGHTING</b>	<b>33-49-00</b>			
<b>FAULT ISOLATION PROCEDURES</b>			201	ALL
Failure of the Right Wing and Engine Scan Lighting			201	ALL
Failure of the Left Wing and Engine Scan Lighting			203	ALL
Failure of the Integral Wing and Engine Scan Lighting			205	ALL
<b>CABIN EMERGENCY LIGHTING</b>	<b>33-51-00</b>			
<b>FAULT ISOLATION PROCEDURES</b>			201	ALL
EPSU - Emergency Power-Supply Unit Fault			201	ALL
EPSU - Battery Fault			213	ALL
EPSU - Battery Capacity Fault			220	ALL
EPSU - 115 VAC Fault Message			221	ALL
EPSU - 28 VDC Fault Message			225	ALL
EPSU - Communication Fault Message			229	ALL
EPSU - Internal Load Fault Message			239	ALL
EPSU - External Load Fault			289	ALL
EPSU - Emer Overwing Light Fault			A282	201-225, 227-227 229-275, 426-475 551-599, 701-749
Emergency Lighting - Emergency Lighting in the Cabin does not come on when the EMER EXIT LT Switch is in the ON Position			A287	ALL
Emergency Lighting - Emergency Lighting in the Cabin does not come on when the LIGHT EMER Pushbutton Switch and its integral Light are on			A288	ALL
Emer. Lighting - Not all Cabin Emergency Lights come on during Simulation loss of 28 VDC			A290	ALL
Emergency Lighting -			A293	251-251,

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<u>SUBJECT</u>	<u>CH/SE/SU</u>	<u>C</u>	<u>PAGE</u>	<u>EFFECTIVITY</u>
Emergency-Escape Path-Marking (EEPM) Lights Fault				
Emergency Lighting - Exit Marker Sign Fault			A295	251-251,
Aux. Lighting - Lavatory Auxiliary Lights do not operate			A297	ALL
Emer. Lighting - Cockpit Annunciator Light EMER EXIT LT OFF 5WL does not operate			A299	ALL
Emer. Lighting - Battery charge failure			B201	201-225, 227-227 229-254, 426-450 456-475, 551-599 701-749,
Communication failure between CIDS and all EPSUs			B202	ALL
Emer. Lighting - The Exit Signs Flicker			B203	ALL

WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION PROCEDURE
	SOURCE	MESSAGE	ATA	C	
AIR CONDITIONING DUCT					333200 P 201 T 810 801
LANDING LIGHTS-FAULT ISO Landing Light 7LB (8LB) does not extend					334200 P 201 T 810 801
LANDING LIGHTS-FAULT ISO Landing Light 7LB (8LB) does not retract					334200 P 204 T 810 803
LANDING LIGHTS-FAULT ISO Ldg.Light 7LB (8LB) ex. but light does not come					334200 P 203 T 810 802
LANDING LIGHTS-FAULT ISO Lgd.Light 7LB (8LB) ret. but light not go off					334200 P 206 T 810 804
LIGHT - ANN LT TST and DIM - Failure of one annunciator light only					331400 P 201 T 810 801
R LIGHT - ANN LT TST and DIM - Failure of several annunciator lights					331400 P 204 T 810 802
R LIGHT - ANN LT TST and DIM - Loss of the dimming function					331400 P 211 T 810 803
LIGHT - AVNCS COMPT LTG - Aft & left LAT compt dome lights failure					333500 P 206 T 810 803
LIGHT - AVNCS COMPT LTG - Fwd & R LAT compt dome lights failure					333500 P 207 T 810 804
LIGHT - AVNCS COMPT LTG - Fwd avionics compt dome lights failure					333500 P 208 T 810 805

EFF : ALL

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION PROCEDURE
	SOURCE	MESSAGE	ATA	C	
LIGHT - AVNCS COMPT LTG - Integral dome lighting failure					333500 P 204 T 810 802
LIGHT - AVNCS COMPT LTG - One dome light failure					333500 P 201 T 810 801
LIGHT - AVNCS COMPT LTG -Aft avionics compt dome lights failure					333500 P 209 T 810 806
LIGHT - General ILLUM - Cockpit outlet failure					331200 P 224 T 810 819
LIGHT - General ILLUM - Failure at F/O console and briefcase light					331200 P 207 T 810 804
LIGHT - General ILLUM - Failure at the CAPT console and briefcase lt					331200 P 205 T 810 803
LIGHT - General ILLUM - Failure at the CAPT dome light					331200 P 201 T 810 801
LIGHT - General ILLUM - Failure at the F/O dome light					331200 P 203 T 810 802
LIGHT - General ILLUM - Failure of CAPT SEAT console and briefcase lt					331200 P 209 T 810 805
LIGHT - General ILLUM - Failure of F/O SEAT console and briefcase lt					331200 P 210 T 810 806
LIGHT - General ILLUM - Failure of the CAPT lighting flood					331200 P 211 T 810 811
LIGHT - General ILLUM - Failure of the CAPT suppl reading light					331200 P 213 T 810 813

EFF : ALL

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION PROCEDURE
	SOURCE	MESSAGE	ATA	C	
LIGHT - General ILLUM - Failure of the CAPT map table light					331200 P 225 T 810 820
LIGHT - General ILLUM - Failure of the center pedestal light					331200 P 217 T 810 815
LIGHT - General ILLUM - Failure of the CRT INST PANEL lighting flood					331200 P 223 T 810 818
LIGHT - General ILLUM - Failure of the F/O lighting flood					331200 P 212 T 810 812
LIGHT - General ILLUM - Failure of the F/O dome & CAPT main inst pnl lt					331200 P 222 T 810 817
LIGHT - General ILLUM - Failure of the F/O map table light					331200 P 227 T 810 821
LIGHT - General ILLUM - Failure of the F/O suppl reading light					331200 P 215 T 810 814
LIGHT - General ILLUM - Failure of the main and center inst panel lights					331200 P 219 T 810 816
LIGHT - INST & PNL INTG LTG - Glareshield failure					331300 P 211 T 810 803
LIGHT - INST & PNL INTG LTG - Overhead failure					331300 P 206 T 810 802
LIGHT - INST & PNL INTG LTG - Pedestal and main panel failure					331300 P 201 T 810 801
LIGHT - INST & PNL INTG LTG - Standby compass lighting failure					331300 P 216 T 810 804

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION PROCEDURE
	SOURCE	MESSAGE	ATA	C	
LIGHT - RUNWAY TURNOFF - Failure of the integral lighting					334300 P 205 T 810 803
LIGHT - RUNWAY TURNOFF - Failure of the left side light					334300 P 203 T 810 802
LIGHT - RUNWAY TURNOFF - Failure of the right side light					334300 P 201 T 810 801
LIGHT - TAKE OFF - Failure of the Take off light					334600 P 204 T 810 802
LIGHT - TAXI - Failure of the Taxi light					334600 P 201 T 810 801
LIGHT - TAXI and TAKE OFF - Integral lighting failure					334600 P 207 T 810 803
LIGHT - WING & ENGINE SCAN LTG - Failure of the integral lighting					334900 P 205 T 810 803
LIGHT - WING & ENGINE SCAN LTG - Failure of the left side light					334900 P 203 T 810 802
LIGHT - WING & ENGINE SCAN LTG - Failure of the right side light					334900 P 201 T 810 801
R LIGHTS - ANT.COLL/STR.L. R : Lower Anti-Collision R beacon does not flash					334800 P 208 T 810 804
R LIGHTS - ANT.COLL/STR.L. R : None of the Strobe R lights flash					334800 P 201 T 810 801
R LIGHTS - ANT.COLL/STR.L. R : One Strobe light does R not flash					334800 P 203 T 810 802

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION PROCEDURE
	SOURCE	MESSAGE	ATA	C	
LIGHTS - ANT.COLL/STR.L. : The Strobe Lights can not be switched off					334800 P 210 T 810 805
LIGHTS - ANT.COLL/STR.L. : The Strobe Lights stay on when in AUTO Mode					334800 P 210 T 810 805
LIGHTS - ANT.COLL/STR.L. : Upper Anti-Collision beacon does not flash					334800 P 206 T 810 803
R LIGHTS - CAB.EMER.LIGHT. : C/B 1WL trips while EPSU batterie charge					335100 PB201 T 810 817
R LIGHTS - CAB.EMER.LIGHT. : Cockpit EMER EXIT LT ANN 5WL do not operate					335100 PA299 T 810 816
LIGHTS - CAB.EMER.LIGHT. : Escape Slide Light - AFT LH door inop					256200 P 233 T 810 819
LIGHTS - CAB.EMER.LIGHT. : Escape Slide Light - AFT RH door inop					256200 P 235 T 810 820
LIGHTS - CAB.EMER.LIGHT. : Escape Slide Light - EMER LH door inop					256200 P 227 T 810 813
LIGHTS - CAB.EMER.LIGHT. : Escape Slide Light - EMER RH door inop					256200 P 228 T 810 814
LIGHTS - CAB.EMER.LIGHT. : Escape Slide Light - EXIT LH door inop					256200 P 231 T 810 817
LIGHTS - CAB.EMER.LIGHT. : Escape Slide Light - EXIT RH door inop					256200 P 232 T 810 818

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION PROCEDURE
	SOURCE	MESSAGE	ATA	C	
LIGHTS - CAB.EMER.LIGHT. : Escape Slide Light - FWD LH door inop					256200 P 223 T 810 811
LIGHTS - CAB.EMER.LIGHT. : Escape Slide Light - FWD RH door inop					256200 P 225 T 810 812
LIGHTS - CAB.EMER.LIGHT. : Escape Slide Light - MID LH door inop					256200 P 229 T 810 815
LIGHTS - CAB.EMER.LIGHT. : Escape Slide Light - MID RH door inop					256200 P 230 T 810 816
R LIGHTS - CAB.EMER.LIGHT. : Exit signs flickering					335100 PB203 T 810 819
R LIGHTS - CAB.EMER.LIGHT. : Fail. of wall mounted exit marking sign					335100 PA295 T 810 814
R LIGHTS - CAB.EMER.LIGHT. : Failure of EEPM light					335100 PA293 T 810 813
R LIGHTS - CAB.EMER.LIGHT. : Failure of lavatory auxiliary light					335100 PA297 T 810 815
R LIGHTS - CAB.EMER.LIGHT. : Overwing Emer Light fault					335100 PA282 T 810 809
R LIGHTS - CAB.EMER.LIGHT. : PTP-message: NO COMMUNICATION					335100 PB202 T 810 818
R LIGHTS - CAB.EMER.LIGHT. : PTP-message: NO EPSU DATA					335100 PB202 T 810 818
R LIGHTS - CAB.EMER.LIGHT. does not come on with CAB P/B in ON position					335100 PA288 T 810 811

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	WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION PROCEDURE
		SOURCE	MESSAGE	ATA	C	
R	LIGHTS - CAB.EMER.LIGHT. does not come on with CKPT SW in ON position					335100 PA287 T 810 810
R	LIGHTS - CAB.EMER.LIGHT. not all emergency lights on with INOP A/C 28VDC					335100 PA290 T 810 812
	LIGHTS - FWD-AFT C.C.LT. : FWD / AFT Loading Area Light does not come on					333400 P 207 T 810 803
	LIGHTS - FWD-AFT C.C.LT. : No Lights in FWD or AFT Cargo Comp come on					333400 P 204 T 810 802
	LIGHTS - FWD-AFT C.C.LT. : One Light in Cargo Comp does not come on					333400 P 201 T 810 801
R	LIGHTS - GENERAL ILL. : Flickering of the Cabin Lights					332100 P 211 T 810 806
R	LIGHTS - GENERAL ILL. : No or wrong dimming of all lights					332100 P 209 T 810 805
	LIGHTS - GENERAL ILL. : No or wrong dimming of 1 light					332100 P 205 T 810 803
	LIGHTS - GENERAL ILL. : No or wrong dimming of 2 or 4 correlated lights					332100 P 207 T 810 804
	LIGHTS - GENERAL ILL. : One light does not come on					332100 P 201 T 810 801
	LIGHTS - GENERAL ILL. : 2 or 4 correlated lights do not come on					332100 P 203 T 810 802

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION PROCEDURE
	SOURCE	MESSAGE	ATA	C	
LIGHTS - LAV.LT.SIGNS : Lav Occpd Sign in the Cockpit does not come on					332600 P 207 T 810 803
LIGHTS - LAV.LT.SIGNS : 1 Lamp in Lav Lighted Sign does not come on					332600 P 201 T 810 801
LIGHTS - LAV.LT.SIGNS : 1 symbol of Lav. Lt. Sign does not come on					332600 P 203 T 810 802
LIGHTS - LAVATORY LT. : In all Lav. the Lav. Lights do not come					332400 P 203 T 810 802
LIGHTS - LAVATORY LT. : In 1 Lav. the Lav. Light does not come on					332400 P 201 T 810 801
LIGHTS - LAVATORY LT. : In 1 Lavatory the Lav. Light cannot be dimmed					332400 P 205 T 810 803
LIGHTS - LOGO LIGHTS : Both LOGO Lights do not come on					334700 P 203 T 810 802
LIGHTS - LOGO LIGHTS : Both LOGO Lights do not go off					334700 P 208 T 810 804
LIGHTS - LOGO LIGHTS : One LOGO Light does not come on					334700 P 201 T 810 801
LIGHTS - LOGO LIGHTS : One LOGO Light does not go off					334700 P 207 T 810 803
LIGHTS - NAVIG. LIGHT : Left Wing Navigation Light does not come on					334100 P 201 T 810 801

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION PROCEDURE
	SOURCE	MESSAGE	ATA	C	
LIGHTS - NAVIG. LIGHT : No Navigation Lights come on					334100 P 201 T 810 801
LIGHTS - NAVIG. LIGHT : Right Wing Navigation Light does not come on					334100 P 201 T 810 801
LIGHTS - NAVIG. LIGHT : Tail Navigation Light does not come on					334100 P 201 T 810 801
LIGHTS - SERV. AREA LT. : Failure of Service Area Light in APU Comp.					333100 P 204 T 810 803
LIGHTS - SERV. AREA LT. : Failure of Service Area Lights in Sect. 19					333100 P 201 T 810 801
LIGHTS - SERV. AREA LT. : Failure of Sockets in section 19					333100 P 203 T 810 802
R LIGHTS - WHEEL WELL LT. : Fail. of Sockets in N. Well and Hydraulic Compt					333700 P 205 T 810 802
R LIGHTS - WHEEL WELL LT. : Failure of one or two Hydraulic Compt. Lights					333700 P 206 T 810 803
LIGHTS - WHEEL WELL LT. : Failure of one or two Wheel Well Lights					333700 P 201 T 810 801
LIGHTS - WORK / CAB.ATT. : No work lights come on					332700 P 201 T 810 801
LIGHTS - WORK / CAB.ATT. : One work light does not come on					332700 P 201 T 810 801
LIGHTS - WORK / CAB.ATT. : 1 work light cannot be controlled by the switch					332700 P 201 T 810 801

EFF : ALL

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# **A319/A320/A321**

## **TROUBLE SHOOTING MANUAL**

### **LIGHTS - FAULT SYMPTOMS**

R  
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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION PROCEDURE
	SOURCE	MESSAGE	ATA	C	
	BCL 1	BOARD 5LP/BCL1 CIRCUIT	331410	3	243800 P 231 T 810 826
	BCL 2	BOARD 5LP/BCL2 CIRCUIT	331400	3	243800 P 233 T 810 827
	CIDS 1	BU<APPL.AREA> SRXX X	332111	3	332100 P 218 T 810 808
	CIDS 1	BU<APPL.AREA> SRXX X/DEU A (200RHYY)	332100	3	332100 P 216 T 810 807
	CIDS 1	EPSU COMM EMER L,R	335138	1	335100 P 229 T 810 806
	CIDS 1	EPSU BAT CAP AFT L	335138	1	335100 P 220 T 810 803
	CIDS 1	EPSU BAT CAP EMER L,R	335138	1	335100 P 220 T 810 803
	CIDS 1	EPSU BAT CAP FWD L	335138	1	335100 P 220 T 810 803
	CIDS 1	EPSU BAT CAP MID L,R	335138	1	335100 P 220 T 810 803
	CIDS 1	EPSU BATT CAP EXIT L,R	335138	1	335100 P 220 T 810 803
	CIDS 1	EPSU BATTERY AFT L	335138	1	335100 P 213 T 810 802
	CIDS 1	EPSU BATTERY EMER L,R	335138	1	335100 P 213 T 810 802
	CIDS 1	EPSU BATTERY EXIT L,R	335138	1	335100 P 213 T 810 802
	CIDS 1	EPSU BATTERY FWD L	335138	1	335100 P 213 T 810 802
	CIDS 1	EPSU BATTERY MID L,R	335138	1	335100 P 213 T 810 802

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WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION PROCEDURE
	SOURCE	MESSAGE	ATA	C	
	CIDS 1	EPSU COMM AFT L	335138	1	335100 P 229 T 810 806
	CIDS 1	EPSU COMM EXIT L,R	335138	1	335100 P 229 T 810 806
	CIDS 1	EPSU COMM FWD L	335138	1	335100 P 229 T 810 806
	CIDS 1	EPSU COMM MID L,R	335138	1	335100 P 229 T 810 806
R	CIDS 1	EPSU EXT LOAD AFT L	335138	1	335100 P 289 T 810 808
R	CIDS 1	EPSU EXT LOAD EMER L,R	335138	1	335100 P 289 T 810 808
R	CIDS 1	EPSU EXT LOAD EXIT L,R	335138	1	335100 P 289 T 810 808
R	CIDS 1	EPSU EXT LOAD FWD L	335138	1	335100 P 289 T 810 808
R	CIDS 1	EPSU EXT LOAD MID L,R	335138	1	335100 P 289 T 810 808
	CIDS 1	EPSU INT LOAD AFT L	335138	1	335100 P 239 T 810 807
	CIDS 1	EPSU INT LOAD EMER L,R	335138	1	335100 P 239 T 810 807
	CIDS 1	EPSU INT LOAD EXIT L,R	335138	1	335100 P 239 T 810 807
	CIDS 1	EPSU INT LOAD FWD L	335138	1	335100 P 239 T 810 807
	CIDS 1	EPSU INT LOAD MID L,R	335138	1	335100 P 239 T 810 807
	CIDS 1	EPSU UNIT AFT L	335138	1	335100 P 201 T 810 801

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# **A319/A320/A321**

## **TROUBLE SHOOTING MANUAL**

WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION PROCEDURE
	SOURCE	MESSAGE	ATA	C	
	CIDS 1	EPSU UNIT EMER L,R	335138	1	335100 P 201 T 810 801
	CIDS 1	EPSU UNIT EXIT L,R	335138	1	335100 P 201 T 810 801
	CIDS 1	EPSU UNIT FWD L	335138	1	335100 P 201 T 810 801
	CIDS 1	EPSU UNIT MID L,R	335138	1	335100 P 201 T 810 801
	CIDS 1	EPSU 115 VAC AFT L	335138	1	335100 P 221 T 810 804
	CIDS 1	EPSU 115 VAC EMER L,R	335138	1	335100 P 221 T 810 804
	CIDS 1	EPSU 115 VAC EXIT L,R	335138	1	335100 P 221 T 810 804
	CIDS 1	EPSU 115 VAC FWD L	335138	1	335100 P 221 T 810 804
	CIDS 1	EPSU 115 VAC MID L,R	335138	1	335100 P 221 T 810 804
	CIDS 1	EPSU 28 VDC AFT L	335138	1	335100 P 225 T 810 805
	CIDS 1	EPSU 28 VDC EMER L,R	335138	1	335100 P 225 T 810 805
	CIDS 1	EPSU 28 VDC EXIT L,R	335138	1	335100 P 225 T 810 805
	CIDS 1	EPSU 28 VDC FWD L	335138	1	335100 P 225 T 810 805
	CIDS 1	EPSU 28 VDC MID L,R	335138	1	335100 P 225 T 810 805
R R	CIDS 1	FLUO TUBE<APPL.AREA> SRXX X/BU	332100	3	332100 P 219 T 810 809

EFF : ALL

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# **A319/A320/A321**

## **TROUBLE SHOOTING MANUAL**

WARNINGS/MALFUNCTIONS	CFDS FAULT MESSAGES				FAULT ISOLATION PROCEDURE
	SOURCE	MESSAGE	ATA	C	
	CIDS 1	POWER PCB AFT 1,2,L,R	332738	3	332700 P 201 T 810 801
	CIDS 1	POWER PCB FWD 1,2,L,R	332738	3	332700 P 201 T 810 801
	CIDS 1	POWER PCB MID 1,2,L,R	332738	3	332700 P 201 T 810 801
	CIDS 1	WORK LIGHT AFT 1,2,L,R	332712	3	332700 P 201 T 810 801
	CIDS 1	WORK LIGHT FWD 1,2,L,R	332712	3	332700 P 201 T 810 801
	CIDS 1	WORK LIGHT MID 1,2,L,R	332712	3	332700 P 201 T 810 801
	CIDS 1	WORK LIGHT PCB AFT 1,2,L,R	332738	3	332700 P 201 T 810 801
	CIDS 1	WORK LIGHT PCB FWD 1,2,L,R	332738	3	332700 P 201 T 810 801
	CIDS 1	WORK LIGHT PCB MID 1,2,L,R	332738	3	332700 P 201 T 810 801

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#### **TASK 33-12-00-810-801**

#### **Failure of the Captain Dome Lights**

##### **1. Possible Causes**

- LT-DOME, CAPT (161LE)
- LT-DOME, CAPT (163LE)
- LT-DOME, CAPT (165LE)
- LT-DOME, CAPT (167LE)
- wiring
- SW-INT LT/DOME (14LE)
- C/B - LIGHTING/CKPT DOME (3LE)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

REFERENCE	DESIGNATION
IPC 331208	
AMM 33-12-00-710-001	Operational Test of the General Illumination
R AMM 33-12-11-000-002	Removal of the Cockpit Dome Light (161LE, 162LE, 163LE, 164LE, 165LE, 166LE, 167LE, 168LE)
R AMM 33-12-11-400-002	Installation of the Cockpit Dome Light (161LE, 162LE, 163LE, 164LE, 165LE, 166LE, 167LE, 168LE)
R ASM 33-12/01	

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the general illumination (Ref. AMM TASK 33-12-00-710-001).

**NOTE :** Do this test for the dome lights only.

##### **4. Fault Isolation**

###### **A. If, during the operational test:**

(1) One dome light at the Captain station does not operate correctly:

- remove the defective lamp LT-DOME, CAPT (161LE) or LT-DOME, CAPT (163LE) or LT-DOME, CAPT (165LE) or LT-DOME, CAPT (167LE) (Ref. AMM TASK 33-12-11-000-002).
- make sure that there is 28VDC at the lamp socket.

(a) If there is 28VDC:

- replace the defective lamp (Ref. AMM TASK 33-12-11-400-002).

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- (b) If there is no 28VDC:
  - do a check and repair the wiring (Ref. ASM 33-12/01).
- (2) Two dome lights (161LE) and (163LE) or (165LE) and (167LE) at the Captain station do not operate correctly:
  - do a check for a ground signal at pin 3D of the INT LT/DOME switch (14LE) in the BRT position (Ref. ASM 33-12/01).
- (a) If there is no ground signal:
  - repair the wiring between the INT LT/DOME switch (14LE) pin 3D and the ground terminal (Ref. ASM 33-12/01).
- (b) If there is a ground signal:
  - do a check and repair the wiring of the related CAPT dome lights (Ref. ASM 33-12/01).
- (3) The four dome lights at the Captain station do not operate correctly:
  - do a check for 28VDC at pin 1A of the INT LT/DOME switch (14LE) (Ref. ASM 33-12/01).
- (a) If there is 28VDC:
  - make sure that there is continuity between the pin 1C of the INT LT/DOME switch (14LE) and:
    - . the pin 1D of the INT LT/DOME switch (14LE) in the DIM position
    - . the pin 3B of the INT LT/DOME switch (14LE) in the BRT position(Ref. ASM 33-12/01).
- 1 If there is continuity:
  - repair the defective wiring between the INT LT/DOME switch (14LE) and the Captain dome light (Ref. ASM 33-12/01).
- 2 If there is no continuity:
  - replace the SW-INT LT/DOME (14LE) (Ref. IPC 331208).
- a If the fault continues:
  - repair the defective wiring (Ref. ASM 33-12/01).
- (b) If there is no 28VDC:
  - replace the C/B - LIGHTING/CKPT DOME (3LE).
- 1 If the fault continues:
  - do a check and repair the wiring between the circuit breaker (3LE) and the INT LT/DOME switch (14LE) pin 1A (Ref. ASM 33-12/01).

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

EFF : ALL

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### **TASK 33-12-00-810-802**

#### **Failure of the First Officer Dome Lights**

##### **1. Possible Causes**

- LT-DOME, F/O (162LE)
- LT-DOME, F/O (164LE)
- LT-DOME, F/O (166LE)
- LT-DOME, F/O (168LE)
- wiring
- SW-INT LT/DOME (14LE)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

-----	
REFERENCE	DESIGNATION
-----	
IPC 331208	
AMM 33-12-00-710-001	Operational Test of the General Illumination
R AMM 33-12-11-000-002	Removal of the Cockpit Dome Light (161LE, 162LE,
R 163LE, 164LE, 165LE, 166LE, 167LE, 168LE)	
R AMM 33-12-11-400-002	Installation of the Cockpit Dome Light (161LE, 162LE,
R 163LE, 164LE, 165LE, 166LE, 167LE, 168LE)	
ASM 33-12/01	

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the general illumination (Ref. AMM TASK 33-12-00-710-001).

**NOTE** : Do this test for the dome lights only.

##### **4. Fault Isolation**

###### **A. If, during the operational test:**

- (1) One dome light at the First Officer station does not operate correctly:
- remove the defective lamp LT-DOME, F/O (162LE) or LT-DOME, F/O (164LE) or LT-DOME, F/O (166LE) or LT-DOME, F/O (168LE) (Ref. AMM TASK 33-12-11-000-002).
  - make sure that there is 28VDC at the lamp socket.
- (a) If there is 28VDC:
- replace the defective lamp (Ref. AMM TASK 33-12-11-400-002).

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- (b) If there is no 28VDC:
  - do a check and repair the wiring (Ref. ASM 33-12/01).
- (2) Two dome lights (162LE) and (164LE) or (166LE) and (168LE) at the First Officer station do not operate correctly:
  - do a check for a ground signal at pin 3H of the INT LT/DOME switch (14LE) in the BRT position (Ref. ASM 33-12/01).
- (a) If there is no ground signal:
  - repair the wiring between the INT LT/DOME switch (14LE) pin 3H and the ground terminal (Ref. ASM 33-12/01).
- (b) If there is a ground signal
  - do a check and repair the wiring of the related First Officer dome lights (Ref. ASM 33-12/01).
- (3) The four dome lights at the First Officer station do not operate correctly:
  - do a check for 28VDC at pin 1C of the INT LT/DOME switch (14LE) (Ref. ASM 33-12/01).
- (a) If there is 28VDC:
  - make sure that there is continuity between the pin 1C of the INT LT/DOME switch (14LE) and:
    - . the pin 1H of the INT LT/DOME switch (14LE) in the DIM position
    - . the pin 3F of the INT LT/DOME switch (14LE) in the BRT position(Ref. ASM 33-12/01).
- 1 If there is continuity:
  - repair the defective wiring between the INT LT/DOME switch (14LE) and the First Officer dome light (Ref. ASM 33-12/01).
- 2 If there is no continuity:
  - replace the SW-INT LT/DOME (14LE) (Ref. IPC 331208).
- a If the fault continues:
  - repair the defective wiring (Ref. ASM 33-12/01).
- (b) If there is no 28VDC:
  - do a check and repair the wiring between the INT LT/DOME switch (14LE) pin 1C and the first terminal block (Ref. ASM 33-12/01).

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

EFF : ALL

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**TASK 33-12-00-810-803****Failure at the Captain Console and Briefcase Lights****1. Possible Causes**

- LT-CONSOLE, CAPT (17LE)
- LT-CONSOLE, CAPT (19LE)
- LT-CONSOLE, CAPT (21LE)
- LT-BRIEFCASE (23LE)
- wiring
- SW-CONSOLE/FLOOR (15LE)

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

-----	
REFERENCE	DESIGNATION
-----	
IPC 331208	
AMM 33-12-00-710-001	Operational Test of the General Illumination
R AMM 33-12-11-400-002	Installation of the Cockpit Dome Light (161LE, 162LE, 163LE, 164LE, 165LE, 166LE, 167LE, 168LE)
R AMM 33-12-15-000-001	Removal of the Console and Briefcase Light (17LE, 18LE, 19LE, 20LE, 21LE, 22LE, 23LE, 24LE)
R ASM 33-12/01	

**3. Fault Confirmation****A. Test**

Do the operational test of the general illumination (Ref. AMM TASK 33-12-00-710-001)

**NOTE :** Do this test for the console and briefcase lights only.

**4. Fault Isolation****A. If, during the operational test:**

(1) One console light on the Captain side does not operate correctly:

- remove the defective lamp LT-CONSOLE, CAPT (17LE) or LT-CONSOLE, CAPT (19LE) or LT-CONSOLE, CAPT (21LE) or LT-BRIEFCASE (23LE) (Ref. AMM TASK 33-12-15-000-001).
- make sure that there is 28VDC at the lamp socket.

(a) If there is 28VDC:

- R - replace the defective lamp (Ref. AMM TASK 33-12-11-400-002).

(b) If there is no 28VDC:

- do a check and repair the wiring (Ref. ASM 33-12/01).

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(2) The four console and briefcase lights on the Captain side do not operate correctly:

- do a check for a ground signal at pin 1D of the CONSOLE/FLOOR switch (15LE) in the BRT position (Ref. ASM 33-12/01).

(a) If there is no ground signal:

- replace the SW-CONSOLE/FLOOR (15LE) (Ref. IPC 331208).

1 If the fault continues:

- repair the wiring between the CONSOLE/FLOOR switch (15LE) pin 3D and the ground terminal (Ref. ASM 33-12/01).

(b) If there is a ground signal:

- do a check for 28VDC at pin 2A of the CONSOLE/FLOOR switch (15LE) (Ref. ASM 33-12/01).

1 If there is 28VDC:

- do a check and repair the wiring between the CONSOLE/FLOOR switch (15LE) and the Captain console and briefcase lights (Ref. ASM 33-12/01).

2 If there is no 28VDC:

- replace the SW-CONSOLE/FLOOR (15LE) (Ref. IPC 331208).

a If the fault continues:

- repair the wiring from the CONSOLE/FLOOR switch (15LE) to the first terminal block (Ref. ASM 33-12/01).

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

EFF : ALL

SR0S

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### **TASK 33-12-00-810-804**

#### **Failure at the First Officer Console and Briefcase Lights**

##### **1. Possible Causes**

- LT-CONSOLE, F/O (18LE)
- LT-CONSOLE, F/O (20LE)
- LT-CONSOLE, F/O (22LE)
- LT-LT-BRIEFCASE (24LE)
- wiring
- SW-CONSOLE/FLOOR (16LE)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

-----	
REFERENCE	DESIGNATION
-----	
IPC 331208	
AMM 33-12-00-710-001	Operational Test of the General Illumination
R AMM 33-12-11-400-002	Installation of the Cockpit Dome Light (161LE, 162LE, 163LE, 164LE, 165LE, 166LE, 167LE, 168LE)
R AMM 33-12-15-000-001	Removal of the Console and Briefcase Light (17LE, 18LE, 19LE, 20LE, 21LE, 22LE, 23LE, 24LE)
R ASM 33-12/01	

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the general illumination (Ref. AMM TASK 33-12-00-710-001).

**NOTE** : Do this test for the console and briefcase lights only.

##### **4. Fault Isolation**

###### **A. If, during the operational test:**

(1) One console light on the First Officer side does not operate correctly:

- remove the defective lamp LT-CONSOLE, F/O (18LE) or LT-CONSOLE, F/O (20LE) or LT-CONSOLE, F/O (22LE) or LT-LT-BRIEFCASE (24LE) (Ref. AMM TASK 33-12-15-000-001).
- make sure that there is 28VDC at the lamp socket.

(a) If there is 28VDC:

- R - replace the defective lamp (Ref. AMM TASK 33-12-11-400-002).

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- (b) If there is no 28VDC:
    - do a check and repair the wiring (Ref. ASM 33-12/01).
  - (2) The four console and briefcase lights on the First Officer side do not operate correctly:
    - do a check for a ground signal at pin 1D of the CONSOLE/FLOOR switch (16LE) in the BRT position (Ref. ASM 33-12/01).
  - (a) If there is no ground signal:
    - replace the SW-CONSOLE/FLOOR (16LE) (Ref. IPC 331208).
  - 1 If the fault continues:
    - repair the wiring between the CONSOLE/FLOOR switch (16LE) pin 3D and the ground terminal (Ref. ASM 33-12/01).
  - (b) If there is a ground signal:
    - do a check for 28VDC at pin 2A of the CONSOLE/FLOOR switch (16LE) (Ref. ASM 33-12/01).
  - 1 If there is 28VDC:
    - do a check and repair the wiring between the CONSOLE/FLOOR switch (16LE) and the First Officer console and briefcase lights (Ref. ASM 33-12/01).
  - 2 If there is no 28VDC:
    - replace the SW-CONSOLE/FLOOR (16LE) (Ref. IPC 331208).
  - a If the fault continues:
    - repair the wiring from the CONSOLE/FLOOR switch (16LE) to the first terminal block (Ref. ASM 33-12/01).
- B. Do the test given in Para. 3.**

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**TASK 33-12-00-810-805****Failure of the Captain Seat, Console and Briefcase Lights****1. Possible Causes**

- SW-CONSOLE/FLOOR (15LE)
- wiring

**2. Job Set-up Information****A. Referenced Information****REFERENCE****DESIGNATION****IPC 331208****AMM 33-12-00-710-001****Operational Test of the General Illumination****ASM 33-12/01****AWM 33-12-01****3. Fault Confirmation****A. Test**

Do the operational test of the general illumination (Ref. AMM TASK 33-12-00-710-001).

**NOTE :** Do this test for the console and briefcase lights only.

**4. Fault Isolation**

**A.** If, during the operational test, the Captain seat, console and briefcase lights do not operate correctly:

(1) When the CONSOLE/FLOOR switch (15LE) is in the DIM position:

- replace the SW-CONSOLE/FLOOR (15LE) (Ref. IPC 331208).

(a) If the fault continues:

- do a check and repair the wiring from the CONSOLE/FLOOR switch (15LE) pin 2D to the first terminal block (Ref. ASM 33-12/01).

(2) When the CONSOLE/FLOOR switch (15LE) is in the BRT position:

- do a check and repair the wiring from the circuit breaker (5LE) to the first terminal block, via the CONSOLE/FLOOR switch (15LE) (Ref. AWM 33-12-01) .

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

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### **TASK 33-12-00-810-806**

#### **Failure of the First Officer Seat, Console and Briefcase Lights**

##### **1. Possible Causes**

- SW-CONSOLE/FLOOR (16LE)
- wiring

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

###### **REFERENCE**

###### **DESIGNATION**

---

IPC 331208

AMM 33-12-00-710-001

Operational Test of the General Illumination

ASM 33-12/01

AWM 33-12-02

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the general illumination (Ref. AMM TASK 33-12-00-710-001).

**NOTE** : Do this test for the console and briefcase lights only.

##### **4. Fault Isolation**

**A.** If, during the operational test, the First Officer seat, console and briefcase lights do not operate correctly

(1) When the CONSOLE/FLOOR switch (16LE) is in the DIM position:

- replace the SW-CONSOLE/FLOOR (16LE) (Ref. IPC 331208).

(a) If the fault continues:

- do a check and repair the wiring from the CONSOLE/FLOOR switch (16LE) pin 2D to the first terminal block (Ref. ASM 33-12/01).

(2) When the CONSOLE/FLOOR switch (16LE) is in the BRT position:

- do a check and repair the wiring from the circuit breaker (4LE) to the first terminal block, via the CONSOLE/FLOOR switch (16LE) (Ref. AWM 33-12-02) .

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

EFF : ALL

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### **TASK 33-12-00-810-811**

#### **Failure of the Captain Flood Lighting**

##### **1. Possible Causes**

- C/B-LIGHTING/FLOOD CAPT/SIDE (5LE)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

AMM 33-12-00-710-001      Operational Test of the General Illumination  
ASM 33-12/01

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the general illumination (Ref. AMM TASK 33-12-00-710-001).

**NOTE :** Do this test for the console and briefcase lights, the instrument lighting, the supplementary reading lights, the map table lights and the center pedestal light and the chart holder lights only.

##### **4. Fault Isolation**

###### **A. If during the operational test, the Captain integral flood lighting does not operate correctly:**

- replace the C/B-LIGHTING/FLOOD CAPT/SIDE (5LE) (Ref. ASM 33-12/01).

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

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**TASK 33-12-00-810-812****Failure of the First Officer Flood-Lighting****1. Possible Causes**

- C/B-LIGHTING/FLOOD F/O/SIDE (4LE)

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

---

**REFERENCE****DESIGNATION**

---

AMM 33-12-00-710-001      Operational Test of the General Illumination  
ASM 33-12/01

**3. Fault Confirmation****A. Test**

Do the operational test of the general illumination (Ref. AMM TASK 33-12-00-710-001).

**NOTE** : Do this test for the console and briefcase lights, the instrument lighting, the supplementary reading lights, the map table lights and the center pedestal light and the chart holder lights only.

**4. Fault Isolation****A. If during the operational test, the First Officer integral flood-lighting does not operate correctly:**

- replace the C/B-LIGHTING/FLOOD F/O/SIDE (4LE) (Ref. ASM 33-12/01).

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

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R \*\*ON A/C 251-251, 254-275, 503-549, 553-553, 555-555, 701-749,

### **TASK 33-12-00-810-813**

Failure of the Captain Supplementary Reading Light

#### **1. Possible Causes**

- LT-READING, SUPPLEMENTARY (29LE)
- RHEOSTAT-READING LT (30LE)
- wiring

#### **2. Job Set-up Information**

##### **A. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

IPC 331208

AMM 33-12-00-710-001

Operational Test of the General Illumination

AMM 33-12-12-000-001

Removal of the Reading Light (25LE, 26LE, 29LE)

AMM 33-12-12-400-001

Installation of the Reading Light (25LE, 26LE, 29LE)

ASM 33-12/02

#### **3. Fault Confirmation**

R \*\*ON A/C 251-251, 254-275, 503-549, 553-553, 555-555, 701-749,

Post SB 25-1259 For A/C 553-553,555-555,

##### **A. Test**

Do the operational test of the general illumination (Ref. AMM TASK 33-12-00-710-001).

**NOTE :** Do this test for the instrument lighting, the supplementary reading lights, the map table lights and the center pedestal light only.

R EFF : 251-251, 254-275, 503-549, 553-553,  
555-555, 701-749,

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R \*\*ON A/C 251-251, 254-275, 503-549, 553-553, 555-555, 701-749,

### 4. Fault Isolation

R \*\*ON A/C 251-251, 254-275, 503-549, 553-553, 555-555, 701-749,

Post SB 25-1259 For A/C 553-553, 555-555,

A. If during the operational test, on the Captain side:

- (1) The reading light rheostat (30LE) is inoperative on the related supplementary reading light (29LE):
  - replace the RHEOSTAT-READING LT (30LE) on the Captain side (Ref. IPC 331208).
- (2) The supplementary reading light (29LE) does not come on:
  - remove the LT-READING, SUPPLEMENTARY (29LE) (Ref. AMM TASK 33-12-12-000-001)
  - make sure that there is 28VDC at the lamp socket.
- (a) If there is 28VDC:
  - replace the defective lamp (Ref. AMM TASK 33-12-12-400-001).
- (b) If there is no 28VDC:
  - do a check for continuity between pin A/1 and pin A/2 of the reading light rheostat (30LE) on the Captain side.
- 1 If there is no continuity:
  - replace the RHEOSTAT-READING LT (30LE) on the Captain side (Ref. IPC 331208).
- 2 If there is continuity:
  - do a check for 28VDC at pin A/1 of the reading light rheostat (30LE) (Ref. ASM 33-12/02).
- a If there is no 28VDC:
  - do a check and repair the wiring between the reading light rheostat (30LE) pin A/1 and the first terminal block (Ref. ASM 33-12/02).
- b If there is 28VDC:
  - do a check and repair the wiring between the supplementary reading light (29LE):
    - . and the reading light rheostat (30LE)
    - . and the ground terminal (Ref. ASM 33-12/02).

B. Do the test given in Para. 3.

R EFF : 251-251, 254-275, 503-549, 553-553,  
555-555, 701-749,

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R \*\*ON A/C ALL

### **TASK 33-12-00-810-814**

Failure of the First-Officer Supplementary Reading-Light

#### **1. Possible Causes**

- LT-READING, SUPPLEMENTARY (29LE)
- RHEOSTAT-READING LT (30LE)
- wiring

#### **2. Job Set-up Information**

##### **A. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

IPC 331208

AMM 33-12-00-710-001

Operational Test of the General Illumination

AMM 33-12-12-000-001

Removal of the Reading Light (25LE, 26LE, 29LE)

AMM 33-12-12-400-001

Installation of the Reading Light (25LE, 26LE, 29LE)

ASM 33-12/02

#### **3. Fault Confirmation**

##### **A. Test**

Do the operational test of the general illumination (Ref. AMM TASK 33-12-00-710-001).

**NOTE :** Do this test for the instrument lighting, the supplementary reading lights, the map table lights and the center pedestal light only.

#### **4. Fault Isolation**

##### **A. If during the operational test, on the First Officer side:**

(1) The reading light rheostat (30LE) is inoperative on the related supplementary reading light (29LE):

- replace the RHEOSTAT-READING LT (30LE) on the First Officer side (Ref. IPC 331208).

(2) The supplementary reading light (29LE) does not come on:

- remove the LT-READING, SUPPLEMENTARY (29LE) (Ref. AMM TASK 33-12-12-000-001)
- make sure that there is 28VDC at the lamp socket.

EFF : ALL

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- (a) If there is 28VDC:
  - replace the defective lamp (Ref. AMM TASK 33-12-12-400-001).
- (b) If there is no 28VDC:
  - do a check for continuity between pin A/1 and pin A/2 of the reading light rheostat (30LE) on the First Officer side.
- 1 If there is no continuity:
  - replace the RHEOSTAT-READING LT (30LE) on the First Officer side (Ref. IPC 331208).
- 2 If there is continuity:
  - do a check for 28VDC at pin A/1 of the reading light rheostat (30LE) (Ref. ASM 33-12/02).
- a If there is no 28VDC:
  - do a check and repair the wiring between the reading light rheostat (30LE) pin A/1 and the first terminal block (Ref. ASM 33-12/02).
- b If there is 28VDC:
  - do a check and repair the wiring between the supplementary reading light (29LE):
    - . and the reading light rheostat (30LE)
    - . and the ground terminal (Ref. ASM 33-12/02).

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

### **TASK 33-12-00-810-815**

#### **Failure of the Center Pedestal Light**

##### **1. Possible Causes**

- LT-CENTER PEDESTAL (27LE)
- RHEOSTAT-FLOOD LT/PED (28LE)
- wiring

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

**IPC 331208**

**AMM 33-12-00-710-001**

**Operational Test of the General Illumination**

**AMM 33-12-14-000-002**

**Removal of the Center Pedestal Light (27LE)**

**AMM 33-12-14-400-002**

**Installation of the Center Pedestal Light (27LE)**

**ASM 33-12/02**

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the general illumination (Ref. AMM TASK 33-12-00-710-001).

**NOTE :** Do this test for the instrument lighting, the supplementary reading lights, the map table lights and the center pedestal light only.

##### **4. Fault Isolation**

###### **A. If during the operational test:**

(1) The FLOOD LT/PED rheostat (28LE) is inoperative on the related center pedestal light (27LE):

- replace the RHEOSTAT-FLOOD LT/PED (28LE) (Ref. IPC 331208).

(2) The center pedestal light (27LE) does not come on:

- remove the LT-CENTER PEDESTAL (27LE) (Ref. AMM TASK 33-12-14-000-002)
- make sure that there is 28VDC at the lamp socket.

(a) If there is 28VDC:

- replace the defective lamp (Ref. AMM TASK 33-12-14-400-002).

**EFF : ALL**

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(b) If there is no 28VDC:

- do a check for continuity between pin A/1 and pin A/2 of the pedestal flood light rheostat (28LE).

1 If there is no continuity:

- replace the RHEOSTAT-FLOOD LT/PED (28LE) (Ref. IPC 331208).

2 If there is continuity:

- do a check for 28VDC at pin A/1 of the pedestal flood light rheostat (28LE) (Ref. ASM 33-12/02).

a If there is no 28VDC:

- do a check and repair the wiring between the pedestal flood light rheostat (28LE) pin A/1 and the first terminal block (Ref. ASM 33-12/02).

b If there is 28VDC:

- do a check and repair the wiring between the center pedestal light (27LE):
  - . and the pedestal flood light rheostat (28LE)
  - . and the ground terminal (Ref. ASM 33-12/02).

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

EFF : ALL

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### **TASK 33-12-00-810-816**

Failure at the Main and Center Instrument Panel Lights

#### **1. Possible Causes**

- LT-MAIN INSTRUMENT PNL, F/O (36LE)
- LT-MAIN INSTRUMENT PNL, CAPT (37LE)
- LT-MAIN INSTRUMENT PNL, CENTER (38LE)
- wiring
- RHEOSTAT-FLOOD LT/MAIN PNL (35LE)

#### **2. Job Set-up Information**

##### **A. Referenced Information**

---

REFERENCE	DESIGNATION
IPC 331208	
AMM 33-12-00-710-001	Operational Test of the General Illumination
AMM 33-12-13-000-001	Removal of the Main Instrument-Panel Lights (36LE, 37LE)
AMM 33-12-13-400-001	Installation of the Main Instrument-Panel Light (36LE, 37LE)
ASM 33-12/02	

---

#### **3. Fault Confirmation**

##### **A. Test**

Do the operational test of the general illumination (Ref. AMM TASK 33-12-00-710-001).

**NOTE :** Do this test for the instrument lighting, the supplementary reading lights, the map table lights and the center pedestal light only.

#### **4. Fault Isolation**

##### **A. If, during the operational test:**

(1) One main instrument-panel light (center, Captain or First Officer) does not come on:

- remove the defective bulb of the LT-MAIN INSTRUMENT PNL, F/O (36LE) LT-MAIN INSTRUMENT PNL, CAPT (37LE) or LT-MAIN INSTRUMENT PNL, CENTER (38LE) (Ref. AMM TASK 33-12-13-000-001).
- make sure that there is 28VDC at the bulb socket.

(a) If there is 28VDC:

- replace the defective bulb (Ref. AMM TASK 33-12-13-400-001).

EFF : ALL

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- (b) If there is no 28VDC:
  - do a check and repair the wiring related to the defective bulb (Ref. ASM 33-12/02).
- (2) The FLOOD LT/MAIN PNL rheostat (35LE) is inoperative:
  - replace the RHEOSTAT-FLOOD LT/MAIN PNL (35LE) (Ref. IPC 331208).
- (3) The center main instrument panel lights do not come on:
  - do a check and repair the wiring between the center main instrument-panel light (38LE) and the ground terminal (Ref. ASM 33-12/02).
- (4) One of the main instrument-panel lights on the First Officer side (36LE) and one of the center main instrument-panel lights (38LE) do not come on:
  - do a check for continuity between pin A/1 and pin A/2 of the FLOOD LT/MAIN PNL rheostat (35LE).
- (a) If there is no continuity:
  - replace the RHEOSTAT-FLOOD LT/MAIN PNL (35LE) (Ref. IPC 331208).
- (b) If there is continuity:
  - do a check for 28VDC at pin A/1 of the FLOOD LT/MAIN PNL rheostat (35LE) (Ref. ASM 33-12/02).
- 1 If there is no 28VDC:
  - do a check and repair the wiring between the FLOOD LT/MAIN PNL rheostat (35LE) pin A/1 and the circuit breaker (2LE).
- 2 If there is 28VDC:
  - do a check and repair the wiring from the FLOOD LT/MAIN PNL rheostat (35LE) pin A/2 to the first terminal block (Ref. ASM 33-12/02).
- (5) One of the main instrument-panel lights on the Captain side (37LE) and one of the center main instrument-panel lights (38LE) do not come on:
  - do a check for continuity between pin A/5 and pin A/4 of the FLOOD LT/MAIN PNL rheostat (35LE).
- (a) If there is continuity:
  - replace the RHEOSTAT-FLOOD LT/MAIN PNL (35LE) (Ref. IPC 331208).
- (b) If there is continuity:
  - do a check for 28VDC at pin A/5 of the FLOOD LT/MAIN PNL rheostat (35LE) (Ref. ASM 33-12/02).

EFF : ALL

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- 1 If there is no 28VDC:
    - do a check and repair the wiring between the FLOOD LT/MAIN PNL rheostat (35LE) pin A/5 and the circuit breaker (1LE) (Ref. ASM 33-12/02).
  - 2 If there is 28VDC:
    - do a check and repair the wiring from the FLOOD LT/MAIN PNL rheostat (35LE) pin A/4 to the first terminal block (Ref. ASM 33-12/02).
- (6) The rheostat of the main instrument panel, on the First Officer side (36LE) is not operative:
- replace the LT-MAIN INSTRUMENT PNL, F/O (36LE) (Ref. AMM TASK 33-12-13-000-001) and (Ref. AMM TASK 33-12-13-400-001).
- (a) If the fault continues:
- repair the wiring from the First Officer main instrument panel light (36LE) pin A/B to the first terminal block (Ref. ASM 33-12/02)
- (7) The rheostat of the main instrument-panel on the Captain side (37LE) is not operative:
- replace the LT-MAIN INSTRUMENT PNL, CAPT (37LE) (Ref. AMM TASK 33-12-13-000-001) and (Ref. AMM TASK 33-12-13-400-001).
- (a) If the fault continues:
- repair the wiring from the Captain main instrument panel light (37LE) pin A/B to the first terminal block (Ref. ASM 33-12/02)
- B. Do the test given in Para. 3.**

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EFF : ALL

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**TASK 33-12-00-810-817**

Failure of the First Officer Dome Lights and the Captain Main Instrument Panel Light

**1. Possible Causes**

- C/B-LIGHTING EMER LT CKPT/DOME (1LE)

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

---

**REFERENCE****DESIGNATION**

---

AMM 33-12-00-710-001      Operational Test of the General Illumination  
ASM 33-12/02

**3. Fault Confirmation****A. Test**

Do the operational test of the general illumination (Ref. AMM TASK 33-12-00-710-001).

**NOTE :** Do this test for the dome lights and the instrument lighting, the supplementary reading lights, the map table lights and the center pedestal light only.

**4. Fault Isolation**

- A.** If, during the operational test, the integral First Officer dome lights, the Captain main instrument panel light (37LE) and one of the center main instrument-panel lights (38LE) do not come on:
- replace the C/B-LIGHTING EMER LT CKPT/DOME (1LE) (Ref. ASM 33-12/02).

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

EFF :      ALL

SR0S

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**TASK 33-12-00-810-818****Failure of the Instrument Panel Flood-Lighting****1. Possible Causes**

- C/B LIGHTING/FLOOD CRT INST/PNL (2LE)

**2. Job Set-up Information**

- A. Referenced Information

---

**REFERENCE****DESIGNATION**

---

AMM 33-12-00-710-001      Operational Test of the General Illumination  
ASM 33-12/02

**3. Fault Confirmation**

- A. Test

Do the operational test of the general illumination (Ref. AMM TASK 33-12-00-710-001).

**NOTE :** Do this test for the instrument lighting, the supplementary reading lights, the map table lights and the center pedestal light only.

**4. Fault Isolation**

- A. If during the operational test, the supplementary reading lights (29LE), the First Officer main instrument-panel light (36LE) and one of the center main instrument-panel lights (38LE) do not come on:
  - replace the C/B LIGHTING/FLOOD CRT INST/PNL (2LE) (Ref. ASM 33-12/02).

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

EFF :      ALL

SR0S

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**TASK 33-12-00-810-819**

**Cockpit Outlet Failure**

### **1. Possible Causes**

- OUTLET COCKPIT (32LE)
- wiring
- OUTLET COCKPIT (31LE)

### **2. Job Set-up Information**

#### **A. Referenced Information**

-----  
**REFERENCE**

**DESIGNATION**  
-----

**IPC 331208**

**ASM 33-12/02**

### **3. Fault Confirmation**

#### **A. Test**

On the panel 122VU, do a check of:

- 28VDC at the cockpit outlet (32LE)
- 115VAC at the cockpit outlet (31LE) (Ref. ASM 33-12/02).

### **4. Fault Isolation**

#### **A. If there is not 28VDC at the cockpit outlet (32LE)**

- replace the OUTLET COCKPIT (32LE) (Ref. IPC 331208).

##### **(1) If the fault continues:**

- do a check and repair the related wiring from the cockpit outlet (32LE):
  - . pin 1 to the first terminal block
  - . pin N to the ground terminal (Ref. IPC 331208)
- go to Para. 4.C.

#### **B. If there is not 115VAC at the cockpit outlet (31LE):**

- replace the OUTLET COCKPIT (31LE) (Ref. IPC 331208).

##### **(1) If the fault continues:**

- do a check and repair the related wiring from the cockpit outlet (31LE):
  - . pin 1 to the first terminal block
  - . pin W to the ground terminal
  - . pin GR to the ground terminal (Ref. IPC 331208)
- go to Para. 4.C.

#### **C. Do the test given in Para. 3.**

**EFF : ALL**

**SR0S**

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### **TASK 33-12-00-810-820**

#### **Failure of the CAPT Map Table Light**

##### **1. Possible Causes**

- RHEOSTAT-MAP TABLE LIGHT, CAPT (39LE)
- LIGHT-MAP TABLE, CAPT (41LE)
- wiring

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

REFERENCE	DESIGNATION
IPC 331201	
AMM 33-12-00-710-001	Operational Test of the General Illumination
ASM 33-12/01	

---

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the general illumination (Ref. AMM TASK 33-12-00-710-001).

**NOTE :** Do this test for the instrument lighting, the supplementary reading lights, the map table lights and the center pedestal light only.

##### **4. Fault Isolation**

###### **A. If, during the operational test:**

(1) The dimming function of the CAPT map table light does not operate correctly:

- replace the RHEOSTAT-MAP TABLE LIGHT, CAPT (39LE) (Ref. IPC 331201).

(2) The CAPT map table light does not come on:

- make sure that there is 28VDC at the CAPT map table light rheostat (39LE) pin A (Ref. ASM 33-12/01).

(a) If there is 28VDC:

- replace the LIGHT-MAP TABLE, CAPT (41LE) (Ref. IPC 331201).

1 If the fault continues:

- repair the wiring between the CAPT map table light (41LE) and the related rheostat (39LE) (Ref. ASM 33-12/01).

EFF : ALL

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(b) If there is no 28VDC:

- replace the RHEOSTAT-MAP TABLE LIGHT, CAPT (39LE) (Ref. IPC 331201).

1 If the fault continues:

- do a check of the wiring from the CAPT map table light rheostat (39LE) pin 1 to the first terminal block (Ref. ASM 33-12/01).

a If the fault continues:

- repair the wiring from the CAPT map table light rheostat (39LE) pin 2 to the ground terminal block (Ref. ASM 33-12/01).

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

### **TASK 33-12-00-810-821**

#### **Failure of the F/O Map Table Light**

##### **1. Possible Causes**

- RHEOSTAT-MAP TABLE LIGHT, F/O (40LE)
- LIGHT-MAP TABLE, F/O (42LE)
- wiring

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

###### **REFERENCE**

###### **DESIGNATION**

---

IPC 331201

AMM 33-12-00-710-001

Operational Test of the General Illumination

ASM 33-12/01

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the general illumination (Ref. AMM TASK 33-12-00-710-001).

**NOTE :** Do this test for the instrument lighting, the supplementary reading lights, the map table lights and the center pedestal light only.

##### **4. Fault Isolation**

###### **A. If, during the operational test:**

(1) The dimming function of the F/O map table light rheostat is not operative:

- replace the RHEOSTAT-MAP TABLE LIGHT, F/O (40LE) (Ref. IPC 331201).

(2) The F/O map table light does not come on:

- make sure that there is 28VDC at the F/O map table light rheostat (40LE) pin A (Ref. ASM 33-12/01).

(a) If there is 28VDC:

- replace the LIGHT-MAP TABLE, F/O (42LE) (Ref. IPC 331201).

1 If the fault continues:

- repair the wiring between the F/O map table light (42LE) and the related rheostat (40LE) (Ref. ASM 33-12/01).

EFF : ALL

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(b) If there is no 28VDC:

- replace the RHEOSTAT-MAP TABLE LIGHT, F/O (40LE) (Ref. IPC 331201).

1 If the fault continues:

- do a check of the wiring from the F/O map table light rheostat (40LE) pin 1 to the first terminal block (Ref. ASM 33-12/01).

a If the fault continues:

- repair the wiring from the F/O map table light rheostat (40LE) pin 2 to the ground terminal block (Ref. ASM 33-12/01).

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

EFF : ALL

SR0S

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#### **TASK 33-13-00-810-801**

Failure at the Pedestal and Main Panel Integral Lighting

##### **1. Possible Causes**

- CONTROLLER-LIGHTING (16LF)
- PLATE-INT LIGHTED IDENT
- wiring
- POT-INTEG LT/MAIN PNL & PED (17LF)
- C/B-LIGHTING/INST LT/MAIN INST/PNL AND/PED (4LF)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

REFERENCE	DESIGNATION
IPC 275143	
IPC 331308	
AMM 33-13-00-710-001	Operational Test of the Instrument and Panel Integral Lighting
AMM 33-13-51-000-001	Removal of the Controller-Lighting (6LF,16LF,30LF)
AMM 33-13-51-400-001	Installation of the Controller-Lighting (6LF,16LF,30LF)
ASM 33-13/01	
33-13-00-991-004	Fig. 201
33-13-00-991-001	Fig. 202

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the instrument and panel integral lighting (Ref. AMM TASK 33-13-00-710-001).

(Ref. Fig. 201/TASK 33-13-00-991-004)

**NOTE** : Do this test for the pedestal and main panel integral lighting only.

##### **4. Fault Isolation**

**A.** If, during the operational test, when you turn the INTEG LT/MAIN PNL & PED potentiometer (17LF) from OFF to BRT:

(1) One light of the related integrally lighted panels is inoperative:

- remove the defective lamp or LED in the PLATE-INT LIGHTED IDENT (Ref. IPC 331308) or (Ref. IPC 275143)
- make sure that there is a voltage at the lamp socket.

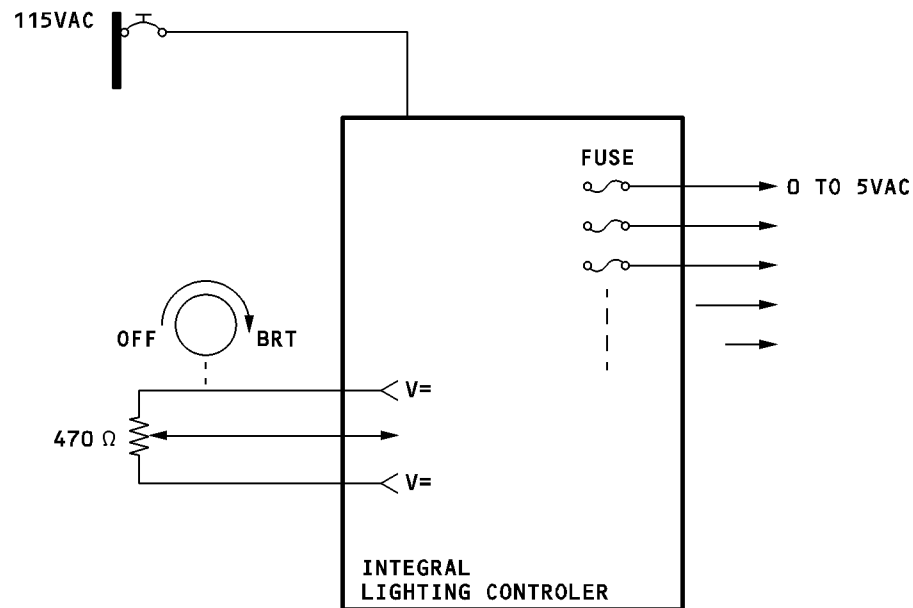
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# **A319/A320/A321** TROUBLE SHOOTING MANUAL



Instrument and Panel Integral Lighting  
 Figure 201/TASK 33-13-00-991-004

EFF : ALL

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- (a) If there is a voltage:
  - replace the defective lamp.
- (b) If there is no voltage:
  - do a check and repair the wiring (Ref. ASM 33-13/01).
- (2) If the integral lighting of several instruments and/or panels is inoperative:
  - do a check of the lighting controller fuse related to the defective lighting circuit (Ref. ASM 33-13/01).
- (a) If the fuse is correct:
  - replace the CONTROLLER-LIGHTING (16LF) (Ref. AMM TASK 33-13-51-000-001) and (Ref. AMM TASK 33-13-51-400-001). (Ref. Fig. 202/TASK 33-13-00-991-001)
- 1 If the fault continues:
  - do a check and repair the wiring related to the defective lighting circuit (Ref. ASM 33-13/01).
- (b) If the fuse is not correct:
  - replace the defective fuse.
- (3) If all the integrally lighted panels do not operate correctly:
  - do a check of the circuit breaker (4LF) status.
- (a) If the circuit breaker is closed:
  - do a check for 115VAC at pin A/A of the lighting controller (16LF) (Ref. ASM 33-13/01).
- 1 If there is 115VAC:
  - replace the CONTROLLER-LIGHTING (16LF) (Ref. AMM TASK 33-13-51-000-001) and (Ref. AMM TASK 33-13-51-400-001).
- a If the fault continues:
  - replace the POT-INTEG LT/MAIN PNL & PED (17LF) (Ref. IPC 331308).
- b If the fault continues:
  - do a check and repair the wiring between the lighting controller (16LF) and the INTEG LT/MAIN PNL & PED potentiometer (17LF).
- 2 If there is no 115VAC:
  - do a check for a ground signal at pins A/C, B of the lighting controller (16LF) (Ref. ASM 33-13/01).
- a If there is no ground signal:
  - repair the defective wiring between the lighting controller (16LF) pin A/C or A/B and the ground terminal (Ref. ASM 33-13/01).

EFF : ALL

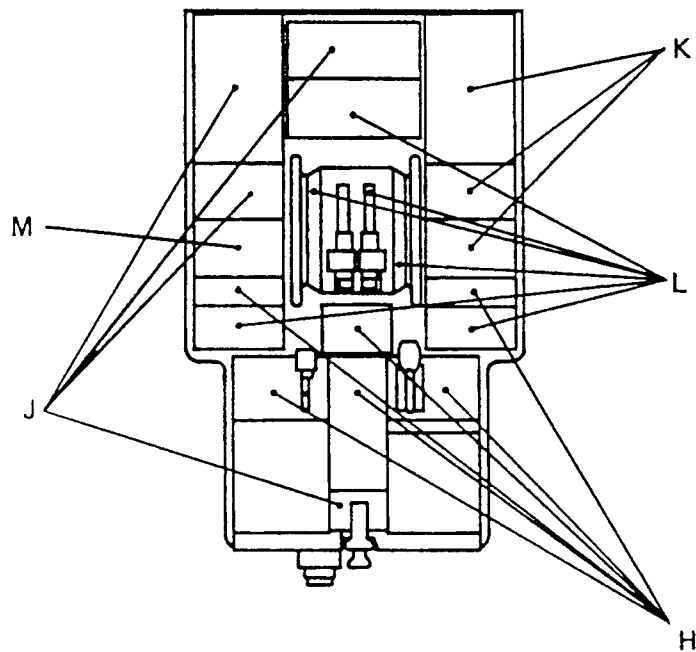
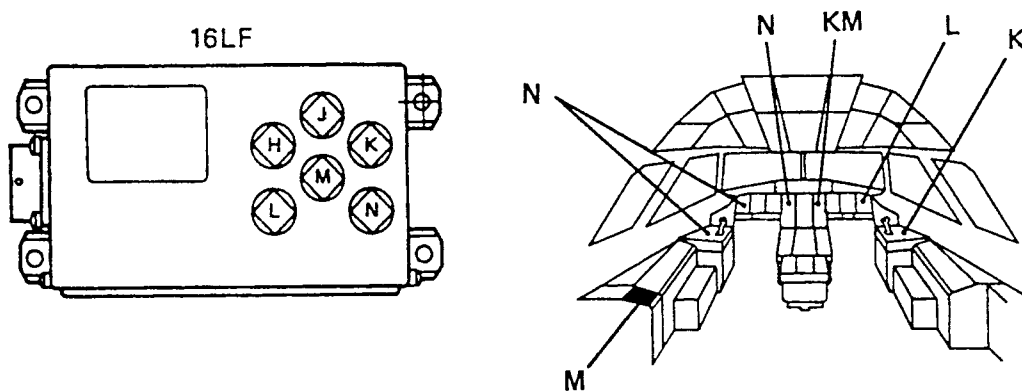
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# **A319/A320/A321** TROUBLE SHOOTING MANUAL



Integral Lighting Controller Pedestal and Main Panel 16LF  
 Figure 202/TASK 33-13-00-991-001

EFF : ALL

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- b If there is a ground signal:
  - replace the C/B-LIGHTING/INST LT/MAIN INST/PNL AND/PED (4LF)
    - . if the fault continues:
      - \* do a check and repair the wiring between the lighting controller (16LF) pin A/A and the C/B (4LF) (Ref. ASM 33-13/01).

- (b) If the circuit breaker is open:
  - close the circuit breaker.

- 1 If the circuit breaker trips:
  - replace the CONTROLLER-LIGHTING (16LF) (Ref. AMM TASK 33-13-51-000-001) and (Ref. AMM TASK 33-13-51-400-001).

- a If the fault continues:
  - do a check for a short to ground at the wiring between the lighting controller (16LF) pin A/A and the circuit breaker (4LF) (Ref. ASM 33-13/01)
    - . if there is a short to ground:
      - \* repair the related wiring.
    - . if there is no short to ground:
      - \* replace the C/B-LIGHTING/INST LT/MAIN INST/PNL AND/PED (4LF).

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

EFF : ALL

SR0S

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### **TASK 33-13-00-810-802**

Failure at the Overhead-Panel Integral Lighting

#### **1. Possible Causes**

- CONTROLLER-LIGHTING (6LF)
- PLATE-INT LIGHTED IDENT
- wiring
- POT-INT LT/OVHD INTEG LT (7LF)
- C/B-LIGHTING/INST LT/OVHD/PNL (3LF)

#### **2. Job Set-up Information**

##### **A. Referenced Information**

-----	
REFERENCE	DESIGNATION
-----	
IPC 331308	
AMM 33-13-00-710-001	Operational Test of the Instrument and Panel Integral Lighting
AMM 33-13-51-000-001	Removal of the Controller-Lighting (6LF,16LF,30LF)
AMM 33-13-51-400-001	Installation of the Controller-Lighting (6LF,16LF,30LF)
ASM 33-13/01	
ASM 33-13/02	
R 33-13-00-991-005	Fig. 203
R 33-13-00-991-002	Fig. 204

#### **3. Fault Confirmation**

##### **A. Test**

- Do the operational test of the instrument and panel integral-lighting (Ref. AMM TASK 33-13-00-710-001).
- R (Ref. Fig. 203/TASK 33-13-00-991-005)

**NOTE** : Do this test for the overhead-panel integral lighting only.

#### **4. Fault Isolation**

- A. If during the operational test when you turn the INT LT/OVHD INTEG LT potentiometer (7LF) from OFF to BRT.

- (1) One light of the related integrally lighted panel is inoperative:
- remove the defective lamp or LED of the PLATE-INT LIGHTED IDENT (Ref. IPC 331308).
  - make sure that there is a voltage at the lamp socket.

- (a) If there is a voltage:
- replace the defective lamp.

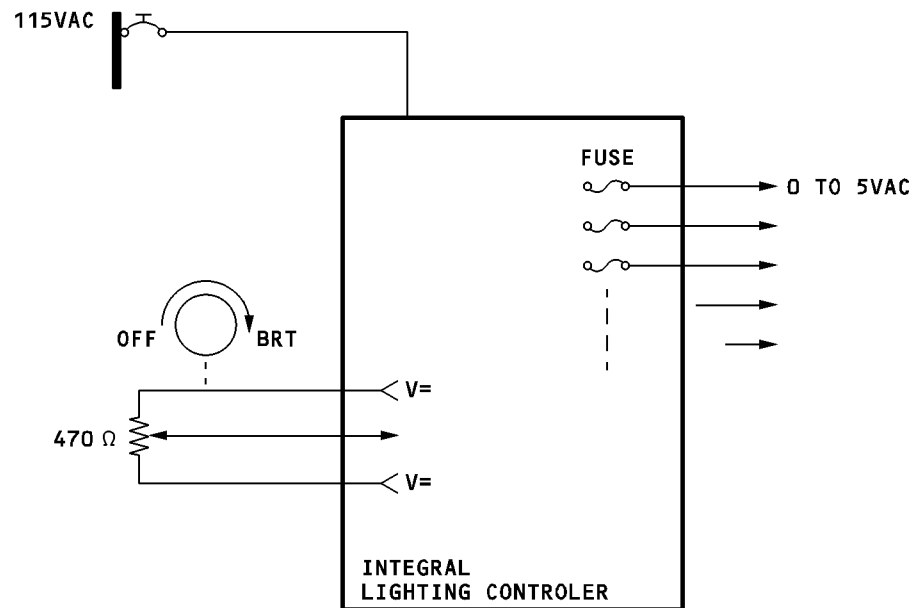
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# **A319/A320/A321** TROUBLE SHOOTING MANUAL



NL5 33 13 00 2 AEMO 00

R  
R

Instrument and Panel Integral Lighting  
Figure 203/TASK 33-13-00-991-005

EFF : ALL

SR0S

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- (b) If there is no voltage:  
- do a check and repair the wiring (Ref. ASM 33-13/02).
- (2) If the integral lighting of several instruments and/or panels is inoperative:  
- do a check of the lighting controller fuse related to the defective lighting circuit (Ref. ASM 33-13/02).
- (a) If the fuse is correct:  
- replace the CONTROLLER-LIGHTING (6LF) (Ref. AMM TASK 33-13-51-000-001) and (Ref. AMM TASK 33-13-51-400-001).  
(Ref. Fig. 204/TASK 33-13-00-991-002)
- R**
- 1 If the fault continues:  
- do a check and repair the wiring related to the defective lighting circuit (Ref. ASM 33-13/02).
- (b) If the fuse is not correct:  
- replace the defective fuse.
- (3) If all the integral lighting panels do not operate correctly:  
- do a check of the circuit breaker (3LF) status.
- (a) If the circuit breaker is closed:  
- do a check for 115VAC at pin A/A of the lighting controller (6LF) (Ref. ASM 33-13/02).
- 1 If there is 115VAC:  
- replace the CONTROLLER-LIGHTING (6LF) (Ref. AMM TASK 33-13-51-000-001) and (Ref. AMM TASK 33-13-51-400-001).
- a If the fault continues:  
- replace the POT-INT LT/OVHD INTEG LT (7LF) (Ref. IPC 331308).
- b If the fault continues:  
- do a check and repair the wiring between the lighting controller (6LF) and the INT LT/OVHD INTEG LT potentiometer (7LF).
- 2 If there is no 115VAC:  
- do a check for a ground signal at pins A/C, B of the lighting controller (6LF) (Ref. ASM 33-13/02).
- a If there is no ground signal:  
- repair the defective wiring between the lighting controller (6LF) pin A/C or A/B and the ground terminal (Ref. ASM 33-13/02).
- b If there is a ground signal:  
- replace the C/B-LIGHTING/INST LT/OVHD/PNL (3LF):  
- if the fault continues:

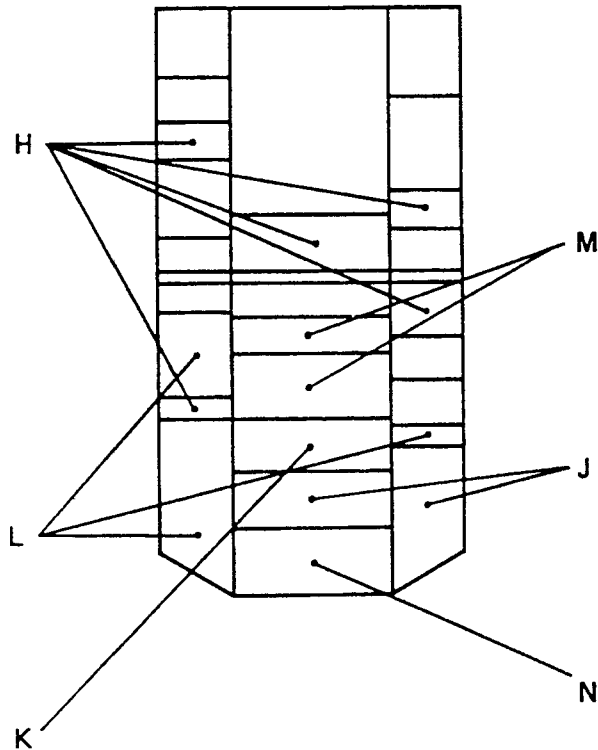
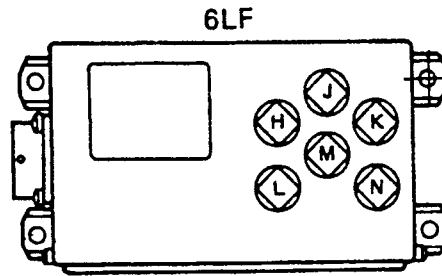
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# **A319/A320/A321** TROUBLE SHOOTING MANUAL



Integral Lighting Controller Overhead 6 LF  
 Figure 204/TASK 33-13-00-991-002

NL5 33 13 00 2 ABMO 00

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# **A319/A320/A321**

## **TROUBLE SHOOTING MANUAL**

- do a check and repair the wiring between the lighting controller (6LF) pin A/A and the C/B (3LF) (Ref. ASM 33-13/02).

(b) If the circuit breaker is open:  
- close the circuit breaker

1 If the circuit breaker trips:  
- replace the CONTROLLER-LIGHTING (6LF) (Ref. AMM TASK 33-13-51-000-001) and (Ref. AMM TASK 33-13-51-400-001).

a If the fault continues:  
- do a check for a short to ground at the wiring between the lighting controller (6LF) pin A/A and the C/B (3LF) (Ref. ASM 33-13/01)  
  . if there is a short to ground:  
    - repair the related wiring.  
  . if there is no short to ground:  
    - replace the C/B-LIGHTING/INST LT/OVHD/PNL (3LF).

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

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### **TASK 33-13-00-810-803**

Failure at the Glareshield Integral Lighting

#### **1. Possible Causes**

- CONTROLLER-LIGHTING (30LF)
- LT-MAIN INSTRUMENT PNL, CENTER (38LE)
- PLATE-INT LIGHTED IDENT
- wiring
- C/B-LIGHTING/INST LT/GLARE/SHLD (5LF)

#### **2. Job Set-up Information**

##### **A. Referenced Information**

REFERENCE	DESIGNATION
IPC 331201	
IPC 331308	
AMM 33-13-00-710-001	Operational Test of the Instrument and Panel Integral Lighting
AMM 33-13-51-000-001	Removal of the Controller-Lighting (6LF,16LF,30LF)
AMM 33-13-51-400-001	Installation of the Controller-Lighting (6LF,16LF,30LF)
ASM 33-13/03	
R 33-13-00-991-006	Fig. 205
R 33-13-00-991-003	Fig. 206

#### **3. Fault Confirmation**

##### **A. Test**

Do the operational test of the instrument and panel integral lighting (Ref. AMM TASK 33-13-00-710-001).

R (Ref. Fig. 205/TASK 33-13-00-991-006)

**NOTE** : Do this test for the glareshield integral lighting only.

#### **4. Fault Isolation**

A. If during the operational test when you move the glareshield potentiometer cursors (38LE).

(1) One light of the related integrally lighted panel is inoperative:

- remove the defective lamp or LED on the PLATE-INT LIGHTED IDENT (Ref. IPC 331308)
- make sure that there is a voltage at the lamp socket.

(a) If there is a voltage:

- replace the defective lamp.

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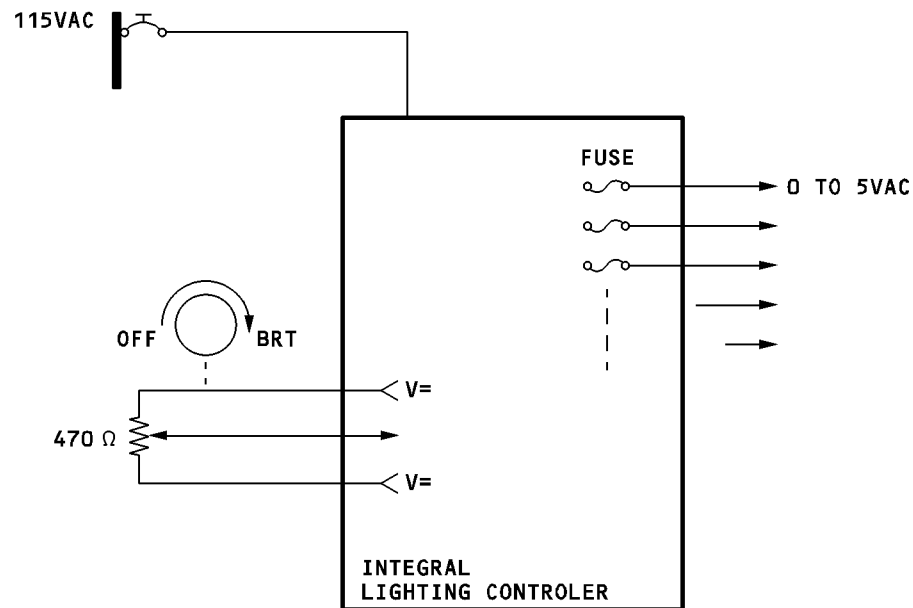
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# **A319/A320/A321** TROUBLE SHOOTING MANUAL



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Instrument and Panel Integral Lighting  
 Figure 205/TASK 33-13-00-991-006

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- (b) If there is no voltage:  
- do a check and repair the wiring (Ref. ASM 33-13/03).
- (2) If the integral lighting of several instruments and/or panels is inoperative:  
- do a check of the lighting controller fuse related to the defective lighting circuit (Ref. ASM 33-13/03).
- (a) If the fuse is correct:  
- replace the CONTROLLER-LIGHTING (30LF) (Ref. AMM TASK 33-13-51-000-001) and (Ref. AMM TASK 33-13-51-400-001).  
(Ref. Fig. 206/TASK 33-13-00-991-003)
- 1 If the fault continues:  
- do a check and repair the wiring related to the defective lighting circuit (Ref. ASM 33-13/03).
- (b) If the fuse is not correct:  
- replace the defective fuse.
- (3) If the related integral lighting panel does not operate correctly:  
- do a check of the circuit breaker (5LF) status.
- (a) If the circuit breaker is closed:  
- do a check for 115VAC at pin A/A of the lighting controller (30LF) (Ref. ASM 33-13/03).
- 1 If there is 115VAC:  
- replace the CONTROLLER-LIGHTING (30LF) (Ref. AMM TASK 33-13-51-000-001) and (Ref. AMM TASK 33-13-51-400-001).
- a If the fault continues:  
- replace the LT-MAIN INSTRUMENT PNL, CENTER (38LE) (Ref. IPC 331201).
- b If the fault continues:  
- do a check and repair the wiring between the lighting controller (30LF) and the light of the center main instrument-panel (38LE).
- 2 If there is no 115VAC:  
- do a check for a ground signal at pins A/C, B of the lighting controller (30LF) (Ref. ASM 33-13/03).
- a If there is no ground signal:  
- repair the defective wiring between the lighting controller (30LF) pin A/C or A/B and the ground terminal (Ref. ASM 33-13/03).
- b If there is a ground signal:  
- replace the C/B-LIGHTING/INST LT/GLARE/SHLD (5LF).  
- if the fault continues:

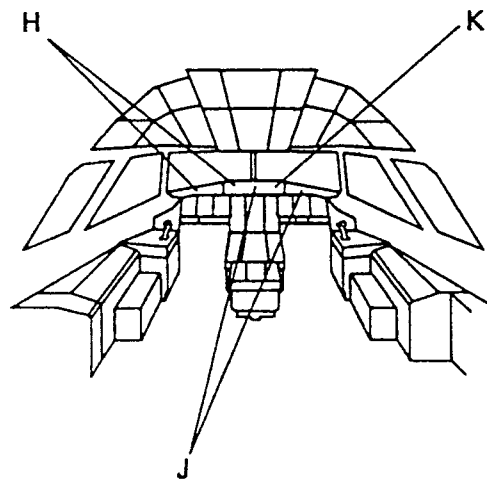
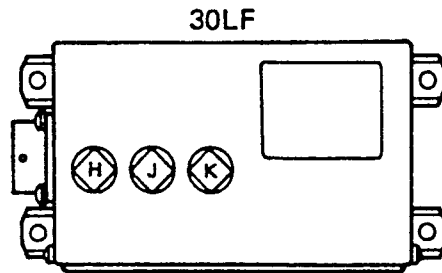
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# **A319/A320/A321** TROUBLE SHOOTING MANUAL



Integral Lighting Controller Glareshield 30Lf  
 Figure 206/TASK 33-13-00-991-003

NL5 33 13 00 2 ACMO 00

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## **TROUBLE SHOOTING MANUAL**

- do a check and repair the wiring between the lighting controller (30LF) pin A/A and the circuit breaker (5LF) (Ref. ASM 33-13/03).

(b) If the circuit breaker is open:  
- close the circuit breaker.

1 If the circuit breaker trips:  
- replace the CONTROLLER-LIGHTING (30LF) (Ref. AMM TASK 33-13-51-000-001) and (Ref. AMM TASK 33-13-51-400-001).

a If the fault continues:  
- do a check for a short to ground at the wiring between the lighting controller (30LF) pin A/A and the C/B (5LF) (Ref. ASM 33-13/03)  
  . if there is a short to ground:  
    - repair the related wiring.  
  . if there is no short to ground:  
    - replace the C/B-LIGHTING/INST LT/GLARE/SHLD (5LF).

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

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### **TASK 33-13-00-810-804**

#### **Standby Compass Lighting Failure**

##### **1. Possible Causes**

- COMPASS-STANDBY (2FN)
- SW-INT LT/STBY COMPASS (2LF)
- wiring from the circuit breaker (1LF) to the STBY COMPASS switch (2LF)
- wiring from the standby compass (2FN) to the STBY COMPASS switch (2LF)
- C/B LIGHTING/STBY/COMP/LT (1LF)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

###### **REFERENCE**

###### **DESIGNATION**

---

IPC 331308

AMM 34-22-00-710-001

Operational Test of the Standby Compass.

AMM 34-22-23-000-001

Removal of the Standby Compass (2FN)

AMM 34-22-23-400-001

Installation of the Standby Compass (2FN)

ASM 33-13/02

##### **3. Fault Confirmation**

- A. Do the operational test of the standby compass (Ref. AMM TASK 34-22-00-710-001).

##### **4. Fault Isolation**

- A. If during the operational test, when the INT LT/STBY COMPASS switch (2LF) is in the STBY COMPASS position, the lighting of the standby compass is inoperative:
- do a check of the circuit breaker (1LF) status.

(1) If the circuit breaker is closed:

- do a check for 28VDC at pin 2B of the standby compass switch (2LF) (Ref. ASM 33-13/02).

(a) If there is no 28VDC:

- replace the SW-INT LT/STBY COMPASS (2LF) (Ref. IPC 331308).

1 If the fault continues:

- do a check and repair the wiring from the circuit breaker (1LF) to the STBY COMPASS switch (2LF) pin 1B (Ref. ASM 33-13/02).

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SROS

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(b) If there is 28VDC:

- replace the COMPASS-STANDBY (2FN) (Ref. AMM TASK 34-22-23-000-001) and (Ref. AMM TASK 34-22-23-400-001).

1 If the fault continues:

- do a check and repair the wiring from the standby compass (2FN) to the STBY COMPASS switch (2LF) pin 2B (Ref. ASM 33-13/02).

(2) If the circuit breaker is open:

- close the circuit breaker (1LF).

(a) If the circuit breaker trips again:

- replace the COMPASS-STANDBY (2FN) (Ref. AMM TASK 34-22-23-000-001) and (Ref. AMM TASK 34-22-23-400-001).

(b) If the circuit breaker stays closed and the fault continues:

- replace the C/B LIGHTING/STBY/COMP/LT (1LF).

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

EFF : ALL

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#### **TASK 33-14-00-810-801**

Failure of One Annunciator Light Only

##### **1. Possible Causes**

- lamp
- annunciator-light test and interface-board
- wiring

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

	AMM	33-14-00-710-001	Operational Test of the Annunciator Light Test System in the Cockpit
R	AMM	33-14-00-710-001	Operational Test of the Annunciator Light Test System on the EXT PWR panel 108VU
R	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	33-14/XX	
	33-14-00-991-001	Fig. 201	

##### **3. Fault Confirmation**

###### **A. Test**

- R Do the operational test of the annunciator light test system (Ref. AMM TASK 33-14-00-710-001)
- R or (Ref. AMM TASK 33-14-00-710-001).
- R (Ref. Fig. 201/TASK 33-14-00-991-001)

##### **4. Fault Isolation**

- A. If one annunciator light is off during the test:
- replace the related lamp.

(1) If the fault continues:

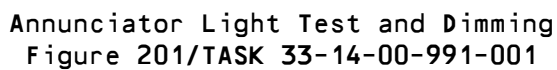
- replace the related annunciator-light test and interface-board (Ref. AMM TASK 33-14-33-000-001) and (Ref. AMM TASK 33-14-33-400-001).

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(a) If the fault continues:

- do a check and repair the related wiring (Ref. ASM 33-14/XX).

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

R

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### **TASK 33-14-00-810-802**

#### **Failure of Several Annunciator Lights**

##### **1. Possible Causes**

- XFMR-SYS 2 (36LP)
- XFMR-ESS (31LP)
- XFMR-ESS (35LP)
- XFMR-SYS 1 (37LP)
- fuse
- wiring
- annunciator-light test and interface-board
- CTL-RELAY (39LP)
- C/B-LIGHTING/ANN LT SPLY/XFMR/BUS 2 (27LP)
- CTL-RELAY (38LP, 41LP or 42LP)
- RELAY-ESS/EMERGENCY (40LP)
- C/B-LIGHTING/ANN LT SPLY/XFMR/STAT INV (28LP)
- C/B-LIGHTING/ANN LT SPLY/XFMR/BUS1 (26LP)
- C/B- LIGHTING/ANN LT SPLY/XFMR/STAT INV (28LP)
- C/B-LIGHTING/XFMR/115V.5V/ESS BUS (29LP)
- SW-INT LT/ANN LT (33LP)
- C/B LIGHTING/TST/BOARD/SPLY (30LP)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

REFERENCE	DESIGNATION
33-14-00-810-801	Failure of One Annunciator Light Only
IPC 331408	
AMM 33-14-00-710-001	Operational Test of the Annunciator Light Test System in the Cockpit
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)
AMM 33-14-51-000-001	Removal of the Essential Transformers (31LP, 35LP)
AMM 33-14-51-400-001	Installation of the Essential Transformers (31LP, 35LP)
ASM 33-14/02	
ASM 33-14/03	
ASM 33-14/04	
ASM 33-14/23	
33-14-00-991-002	Fig. 202

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### **3. Fault Confirmation**

#### **A. Test**

- (1) Do the operational test of the annunciator light test system (Ref. AMM TASK 33-14-00-710-001).  
(Ref. Fig. 202/TASK 33-14-00-991-002)
- (2) If several annunciator lights are off during the test:  
Refer to the related schematics and make sure that the failures occur independently from each other from (Ref. ASM 33-14/04) to (Ref. ASM 33-14/23).
  - (a) If they occur independently
    - do the fault isolation procedure (Ref. TASK 33-14-00-810-801) for every defective annunciator light one by one.
  - (b) If they do not occur independently
    - isolate the common component which can be damaged.
      - 1 If all defective annunciator lights are related to a same fuse of one of the four transformers (Ref. ASM 33-14/02)
        - go to Para. A.
      - 2 If all defective annunciator lights are related to a same annunciator-light test and interface-board (Ref. ASM 33-14/02)
        - go to Para. B.
      - 3 If all defective annunciator lights are related to the same transformer 36LP (Ref. ASM 33-14/02)
        - go to Para. C.
      - 4 If all defective annunciator lights are related to a same transformer 31FP or 35LP or 37LP (Ref. ASM 33-14/02)
        - go to Para. D.
      - 5 If all defective annunciator lights are related to different annunciator-light test and interface-boards, from 1LP to 11LP (Ref. ASM 33-14/02)
        - go to Para. E.
      - 6 If all annunciator lights are off during the test.
        - go to Para. F.

### **4. Fault Isolation**

- #### **A. The defective fuse is isolated**
- replace the related fuse on its transformer.
- (1) If the fault continues
    - do a check and repair the wiring between the related fuse output and the first terminal block (Ref. ASM 33-14/02).

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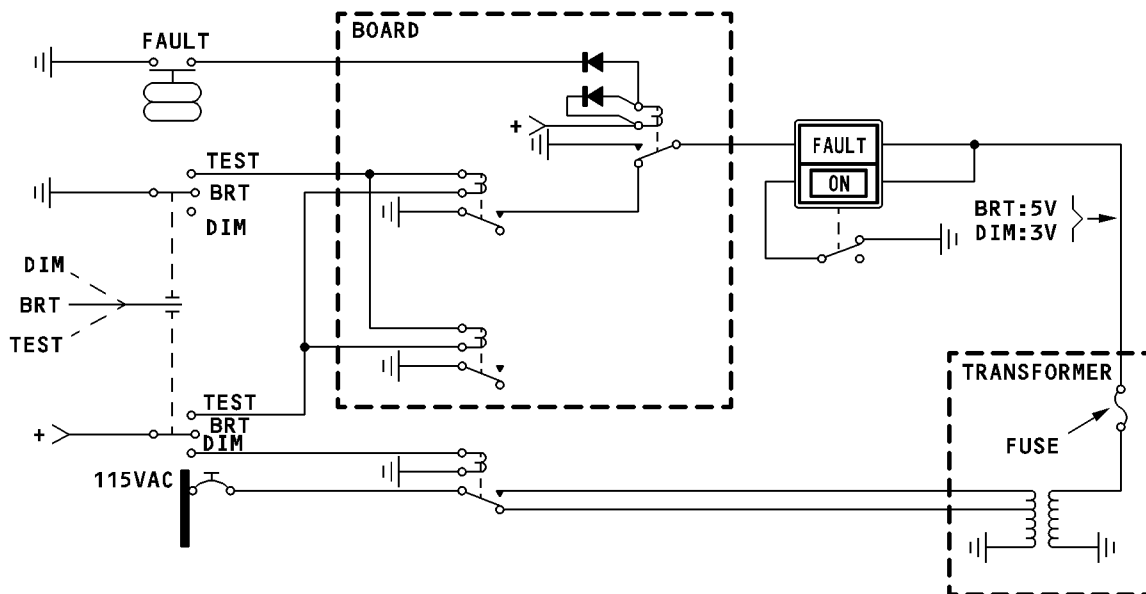
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# A319/A320/A321

## TROUBLE SHOOTING MANUAL



Annunciator Light Test and Dimming  
Figure 202/TASK 33-14-00-991-002

NL5 33 14 00 2 ABMO 00

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- B.** The defective annunciator-light test and interface-board is isolated:
- replace the related annunciator-light test and interface-board (Ref. AMM TASK 33-14-33-000-001) and (Ref. AMM TASK 33-14-33-400-001).

- (1) If the fault continues:
- do a check and repair the related wiring (Ref. ASM 33-14/02).

- C.** The defective transformer 36LP is isolated:
- do a check for continuity between pins A/47 and A/48 and between A/49 and A/50 of each related annunciator-light test and interface-board (from 18LP to 20LP) (Ref. ASM 33-14/02).

- (1) If there is no continuity at one of these boards:
- replace the related annunciator-light test and interface-board (18LP) or (19LP) or (20LP) (Ref. AMM TASK 33-14-33-000-001) and (Ref. AMM TASK 33-14-33-400-001).

- (2) If there is continuity at each board
- do a check and repair the related wiring
    - . between each annunciator light test and interface board
    - . from the pin A/47 of the annunciator light test and interface board (18LP) to the first terminal block
    - . from the pin A/49 (18LP) and the pin A/50 (20LP) of the annunciator-light test and interface-boards to the ground terminal (Ref. ASM 33-14/02).

- (3) If the fault continues
- replace the XFMR-SYS 2 (36LP) (Ref. AMM TASK 33-14-51-000-001) and (Ref. AMM TASK 33-14-51-400-001).

- (4) If the fault continues
- do a check for 115VAC at pin A/A2 of the control relay (39LP) (Ref. ASM 33-14/03).

- (a) If there is 115VAC
- replace the CTL-RELAY (39LP) (Ref. IPC 331408).

- 1 If the fault continues
- do a check of the wiring between the relay (39LP) pin A/A3 and the pin A/A of the transformer (36LP) (Ref. ASM 33-14/03).
- a If there is no continuity
- repair the above wiring.
- b If there is continuity
- repair the wiring between the related transformer pin A/C and the ground terminal (Ref. ASM 33-14/03).

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- (b) If there is no 115VAC
  - do a check of the related circuit breaker status (27LP).
- 1 If the circuit breaker is closed
  - do a check of the wiring between pin A/A2 of the control relay (39LP) and the circuit breaker (27LP) (Ref. ASM 33-14/03).
- a If there is no continuity
  - repair the above wiring.
- b If there is continuity
  - replace the C/B-LIGHTING/ANN LT SPLY/XFMR/BUS 2 (27LP).
- 2 If the circuit breaker is open
  - close the circuit breaker.

D. The defective transformer 31LP or 35LP or 37LP is isolated:

- replace the related XFMR-ESS (31LP) or XFMR-ESS (35LP) or XFMR-SYS 1 (37LP) (Ref. AMM TASK 33-14-51-000-001) and (Ref. AMM TASK 33-14-51-400-001).

- (1) If the fault continues:
  - do a check for 115VAC at pin A/A2 of the related control relay (Ref. ASM 33-14/03).

(a) If there is 115VAC

- replace the related CTL-RELAY (38LP, 41LP or 42LP) (Ref. IPC 331408).

- 1 If the fault continues:
  - do a check of the wiring between the related relay (38LP, 41LP or 42LP) pin A/A3 and the related transformer (37LP, 31LP or 35LP) pin A/A (Ref. ASM 33-14/03).
- a If there is no continuity
  - repair the above wiring.
- b If there is continuity
  - repair the wiring between the related transformer pin A/C and the ground terminal (Ref. ASM 33-14/03).
- 2 If the fault continues:
  - do a check for 115VAC at pin A/A3 of the relay (40LP) (Ref. ASM 33-14/03)
- a If there is 115VAC:
  - replace the RELAY-ESS/EMERGENCY (40LP).
  - . If the fault continues:
  - do a check of the wiring between the relay (40LP) pin A/A2 and the relay (42LP) pin A/A2.
  - .. If there is no continuity:

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- repair the above wiring.

b If there is no 115VAC:

- do a check of the circuit breaker status (28LP).
  - . If the circuit breaker is closed:
- do a check of the wiring between the relay (40LP) pin A/A3 and the circuit breaker (28LP).
  - .. If there is no continuity:
- repair the above wiring.
  - .. If there is continuity:
- replace the C/B-LIGHTING/ANN LT SPLY/XFMR/STAT INV (28LP).
  - . If the circuit breaker is open:
- close the circuit breaker.

(b) If there is no 115VAC

- do a check of the related circuit breaker status (26LP) or (28LP) or (29LP).

1 If the circuit breaker is closed

- do a check of the wiring between that pin and the related circuit breaker (26LP) or (28LP) or (29LP) (Ref. ASM 33-14/03).

a If there is no continuity

- repair the above wiring

b If there is continuity

- replace the related C/B-LIGHTING/ANN LT SPLY/XFMR/BUS1 (26LP) or C/B- LIGHTING/ANN LT SPLY/XFMR/STAT INV (28LP) or C/B-LIGHTING/XFMR/115V.5V/ESS BUS (29LP)

2 If the circuit breaker is open

- close the circuit breaker.

E. The defective annunciator light test and interface boards from 1LP to 11LP are isolated:

- do a check for continuity between pins A/47 and A/48 and between A/49 and A/50 of each related annunciator-light test and interface-board (from 1LP to 11LP)(Ref. ASM 33-14/02).

(1) If there is no continuity at one of these boards:

- replace the related annunciator-light test and interface-board (from 1LP to 11LP) (Ref. AMM TASK 33-14-33-000-001) and (Ref. AMM TASK 33-14-33-400-001).

(2) If there is continuity at each board

- do a check and repair the related wiring
  - . between each annunciator-light test and interface-board
  - . from the pin A/48 of the annunciator light test and interface board (1LP) to the first terminal block
  - . from the pins A/50 of the annunciator light test and interface boards (1LP and 11LP) to the ground terminal (Ref. ASM 33-14/02).

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F. All annunciator lights are off during the test  
- do a check of the circuit breaker (30LP) status.

(1) If the circuit breaker is closed  
- do a check for 28VDC at pin 3B of the switch 33LP (Ref. ASM 33-14/02).

(a) If there is 28VDC  
- repair the wiring from that pin to the first terminal block (Ref. ASM 33-14/02).

(b) If there is no 28VDC  
- replace the SW-INT LT/ANN LT (33LP) (Ref. IPC 331408).

1 If the fault continues  
- do a check of the wiring between the circuit breaker (30LP) and the switch (33LP).

a If there is no continuity  
- repair the above wiring (Ref. ASM 33-14/02).

b If there is continuity  
- replace the C/B LIGHTING/TST/BOARD/SPLY (30LP).

(2) If the circuit breaker is open  
- close the circuit breaker (30LP).

G. Do the test given in Para. 3.

EFF : ALL

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### **TASK 33-14-00-810-803**

#### **Loss of the Dimming Function of the Annunciator Lights**

##### **1. Possible Causes**

- XFMR-ESS (31LP)
- XFMR-ESS (35LP)
- XFMR-SYS 2 (36LP)
- XFMR-SYS 1 (37LP)
- RELAY-BRT/DIM, SYS 1 CTL (38LP)
- RELAY-BRT/DIM, SYS 2 CTL (39LP)
- RELAY-BRT/DIM, ESS CTL (41LP)
- RELAY-BRT/DIM, ESS CTL (42LP)
- wiring
- RELAY-ESS/EMERGENCY (40LP)
- SW-INT LT/ANN LT (33LP)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

REFERENCE	DESIGNATION
IPC 331408	
AMM 33-14-00-710-001	Operational Test of the Annunciator Light Test System in the Cockpit
AMM 33-14-51-000-001	Removal of the Essential Transformers (31LP, 35LP)
AMM 33-14-51-400-001	Installation of the Essential Transformers (31LP, 35LP)
ASM 33-14/02	
ASM 33-14/03	
33-14-00-991-003	Fig. 203

##### **3. Fault Confirmation**

###### **A. Test**

- (1) Do the operational test of the annunciator light test system (Ref. AMM TASK 33-14-00-710-001).  
(Ref. Fig. 203/TASK 33-14-00-991-003)

##### **4. Fault Isolation**

- ###### **A. If the dimming is not operative for all annunciator lights related to a same transformer**
- make sure that the INT LT/ANN LT switch (33LP) is in the DIM position.
  - make sure that there is 115VAC at pin A/B of the related transformer (Ref. ASM 33-14/03).

EFF : ALL

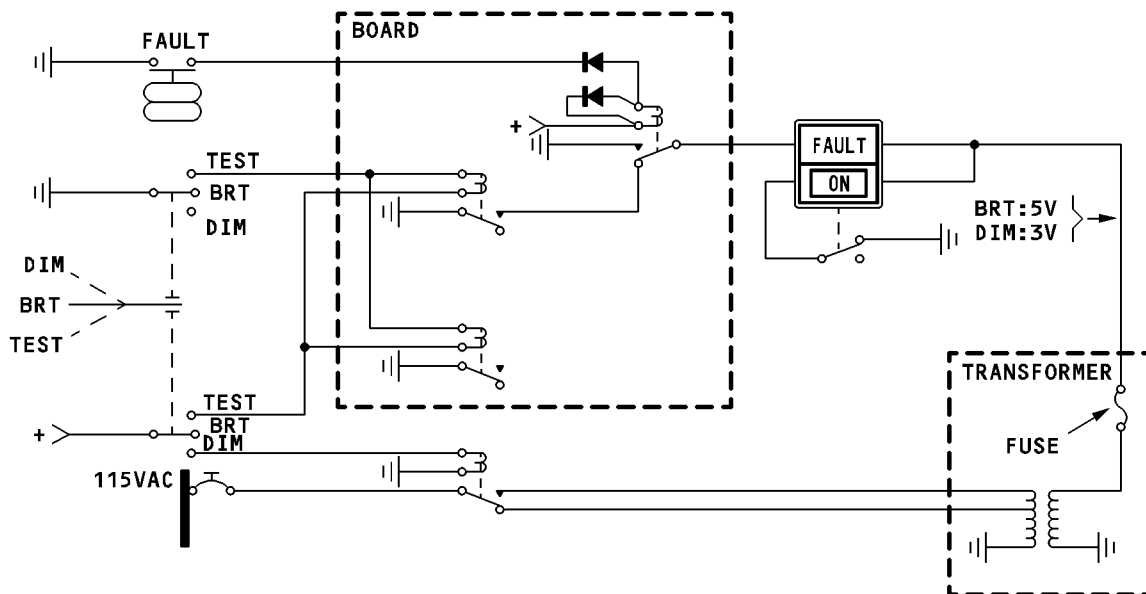
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# A319/A320/A321

## TROUBLE SHOOTING MANUAL



Annunciator Light Test and Dimming  
Figure 203/TASK 33-14-00-991-003

NL5 33 14 00 2 ACMO 00

R

EFF : ALL

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- (1) If there is 115VAC
  - replace the related XFMR-ESS (31LP) or XFMR-ESS (35LP) or XFMR-SYS2 (36LP) or XFMR-SYS 1 (37LP) (Ref. AMM TASK 33-14-51-000-001) and (Ref. AMM TASK 33-14-51-400-001).
- (2) If there is no 115VAC
  - make sure that there is 28VDC between pins A/X1 and A/X2 of the related relay (38LP) or (39LP) or (41LP) or (42LP) (Ref. ASM 33-14/03).
- (a) If there is 28VDC
  - replace the related RELAY-BRT/DIM, SYS 1 CTL (38LP) or RELAY-BRT/DIM, SYS 2 CTL (39LP) or RELAY-BRT/DIM, ESS CTL (41LP) or RELAY-BRT/DIM, ESS CTL (42LP) (Ref. IPC 331408).
- 1 If the fault continues
  - do a check and repair the wiring from the related relay, pin A/A1 to the related transformer pin A/B (Ref. ASM 33-14/03).
- 2 If the fault continues:
  - do a check for 28VDC between pins A/X1 and A/X2 of the relay (40LP).
- a If there is 28VDC:
  - replace the RELAY-ESS/EMERGENCY (40LP).
    - . If the fault continues:
  - do a check and repair the wiring between pin A/X1 and pin A/A1 of the relay (40LP).
- b If there is no 28VDC:
  - do a check and repair the defective wiring of the relay (40LP) between:
    - . pin A/X2 and the ground terminal
    - . pin A/X1 and the first terminal block.
- (b) If there is no 28VDC
  - do a check and repair the defective wiring from the relay
    - . pin A/X2 to the ground terminal
    - . pin A/X1 to the first terminal block (Ref. ASM 33-14/03).
- B. If the dimming is inoperative for all annunciator lights
  - make sure that the INT LT/ANN LT switch (33LP) is in the DIM position
  - make sure that there is 28VDC at pin 3A of the INT LT/ANN LT switch (33LP).
- (1) If there is 28VDC
  - do a check and repair the wiring from the pin 3A of the INT LT/ANN LT switch (33LP) to the first terminal block (Ref. ASM 33-14/03).

EFF : ALL

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(2) If there is no 28VDC

- replace the SW-INT LT/ANN LT (33LP) (Ref. IPC 331408).

(a) If the fault continues

- do a check and repair the wiring from pin 1A of the INT LT/ANN LT switch (33LP) to the first terminal block (Ref. ASM 33-14/02).

C. Do the test given in Para. 3.

EFF : ALL

SR0S

# **33-14-00**

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#### **TASK 33-21-00-810-801**

Cabin Lights - One Cabin Light does not come on

##### **1. Possible Causes**

- R - FLUORESCENT TUBE
- R - BALLAST UNIT
- R - WIRING
- DEU-A

##### **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 33-21-00-710-001	Operational Test of the General Illumination
AMM 33-21-11-000-001	Removal of the Ballast Unit and Lampholder 1LG1 (3LG1)
AMM 33-21-11-400-001	Installation of the Ballast Unit and Lampholder 1LG1
ASM 33-21/01	
ASM 33-21/02	
ASM 33-21/03	

##### **3. Fault Confirmation**

A. Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) (Ref. AMM TASK 23-73-00-740-005).

B. Do the operational test of the general illumination (Ref. AMM TASK 33-21-00-710-001).

EFF : ALL

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**4. Fault Isolation**

A. If the test gives a maintenance message, do the trouble shooting procedure related to the maintenance message.

B. If there is no CFDS maintenance message, but one light does not come on:  
- replace the related FLUORESCENT TUBE (Ref. AMM TASK 33-21-11-000-001) and (Ref. AMM TASK 33-21-11-400-001).

(1) If the fault continues:

R - do a check for 115 VAC at the related BALLAST UNIT connector A/C  
R (Ref. ASM 33-21/01), (Ref. ASM 33-21/02) and (Ref. ASM 33-21/03).  
R

(a) If there is approx. 115 VAC:

R - replace the related BALLAST UNIT (Ref. AMM TASK 33-21-11-000-001) and (Ref. AMM TASK 33-21-11-400-001).

(b) If there is no 115 VAC:

R - do a check and repair the WIRING if necessary between the related:  
BALLAST UNIT connector A/C and its CB,  
BALLAST UNIT connector A/A and GND,  
BALLAST UNIT connector A/B and GND (Ref. ASM 33-21/01), (Ref. ASM 33-21/02) and (Ref. ASM 33-21/03).

(2) 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).

(3) If the fault continues:

R - do a check and repair the WIRING between the related:  
BALLAST UNIT connector A/D and DEU-A connector B/1,B/4,B/9 or B/12,  
BALLAST UNIT connector A/E and DEU-A connector B/2,B/5,B/10 or B/13,  
BALLAST UNIT connector A/F and DEU-A connector B/3,B/6,B/11 or B/14  
(Ref. ASM 33-21/01), (Ref. ASM 33-21/02) and (Ref. ASM 33-21/03).

C. Do the test as given in the Para. 3.A.

**5. Close-up**

A. Put the aircraft back to its initial configuration.

EFF : ALL

SR0S

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**TASK 33-21-00-810-802**

Cabin Lights - Two thru Four Cabin Lights in Series at one Cabin Side do not come on

**1. Possible Causes**

- FLUORESCENT TUBE
- R - BALLAST UNIT
- DEU-A
- R - WIRING
- R

**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 33-21-00-710-001	Operational Test of the General Illumination
AMM 33-21-11-000-001	Removal of the Ballast Unit and Lampholder 1LG1 (3LG1)
AMM 33-21-11-400-001	Installation of the Ballast Unit and Lampholder 1LG1
ASM 33-21/01	
ASM 33-21/02	
ASM 33-21/03	

**3. Fault Confirmation**

- A. Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) (Ref. AMM TASK 23-73-00-740-005).
- B. Do the operational test of the general illumination (Ref. AMM TASK 33-21-00-710-001).

EFF : ALL

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### **4. Fault Isolation**

A. If the test gives a maintenance message, do the trouble shooting procedure related to the maintenance message.

R B. If there is no CFDS message, but two thru four FLUORESCENT TUBES in  
R series at one cabin side do not come on:  
R - change one of the related FLUORESCENT TUBE

R (1) If the FLUORESCENT TUBE comes on:  
R - replace all related FLUORESCENT TUBES  
R

R (2) If the fault continues:  
R - do a check for 115 VAC at the related BALLAST UNIT connector A/C  
R (Ref. ASM 33-21/01), (Ref. ASM 33-21/02) and (Ref. ASM 33-21/03).  
R

(a) If there is approx. 115 VAC:

R

R 1 replace the related BALLAST UNIT (Ref. AMM TASK 33-21-11-000-  
R 001) and (Ref. AMM TASK 33-21-11-400-001).

R 2 If the fault continues:  
R - replace the related DEU-A (Ref. AMM TASK 23-73-46-000-001)  
R and (Ref. AMM TASK 23-73-46-400-001).

(b) If there is no 115 VAC:

R - do a check and repair the WIRING if necessary between the  
related:  
BALLAST UNIT connector A/C and its CB,  
BALLAST UNIT connector A/A and GND,  
BALLAST UNIT connector A/B and GND (Ref. ASM 33-21/01), (Ref.  
ASM 33-21/02) and (Ref. ASM 33-21/03).

R (3) If the fault continues:  
R - do a check and repair the WIRING between the related:  
BALLAST UNIT connector A/D and DEU-A connector B/1, B/4, B/9 or  
B/12,  
BALLAST UNIT connector A/E and DEU-A connector B/2, B/5, B/10 or  
B/13,  
BALLAST UNIT connector A/F and DEU-A connector B/3, B/6, B/11 or  
B/14 (Ref. ASM 33-21/01), (Ref. ASM 33-21/02) and (Ref. ASM 33-  
21/03).

C. Do the test as given in the Para. 3.A .

### **5. Close-up**

A. Put the aircraft back to its initial configuration.

EFF : ALL

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### **TASK 33-21-00-810-803**

Cabin Lights - One Cabin Light cannot be dimmed or switched off or dims incorrectly

#### **1. Possible Causes**

- R - BALLAST UNIT
- R - WIRING
- DEU-A

#### **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 23-73-46-000-001	Removal of the Decoder/Encoder Unit A (200RH)
R AMM 23-73-46-400-001	Installation of the Decoder/Encoder Unit A (200RH)
AMM 33-21-00-710-001	Operational Test of the General Illumination
AMM 33-21-11-000-001	Removal of the Ballast Unit and Lampholder 1LG1 (3LG1)
AMM 33-21-11-400-001	Installation of the Ballast Unit and Lampholder 1LG1
ASM 33-21/01	
R ASM 33-21/02	

#### **3. Fault Confirmation**

- A. Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) (Ref. AMM TASK 23-73-00-740-005).
- B. Do the operational test of the general illumination (Ref. AMM TASK 33-21-00-710-001).

EFF : ALL

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**4. Fault Isolation**

A. If the test gives a maintenance message, do the trouble shooting procedure related to the maintenance message.

B. If there is no CFDS message, but you cannot control one light correctly:

R  
R  
R

- replace the related BALLAST UNIT (Ref. AMM TASK 33-21-11-000-001) and (Ref. AMM TASK 33-21-11-400-001).

R  
R

(1) If the fault continues:

- do a check and repair the WIRING between the related:

BALLAST UNIT connector A/D and DEU-A connector B/1,B/4,B/9 or B/12,  
BALLAST UNIT connector A/E and DEU-A connector B/2,B/5,B/10 or  
B/13,

R

BALLAST UNIT connector A/F and DEU-A connector B/3,B/6,B/11 or B/14  
(Ref. ASM 33-21/01) and (Ref. ASM 33-21/02).

R  
R  
R

(2) 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).

C. Do the test as given in the Para. 3.A .

**5. Close-up**

A. Put the aircraft back to its initial configuration.

EFF : ALL

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### **TASK 33-21-00-810-804**

Cabin Lights - Two thru Four Cabin Lights in Series at One Cabin Side (max 2 at Window and 2 at Ceiling) cannot be dimmed or switched off or dim incorrectly

#### **1. Possible Causes**

- DEU-A
- R - 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 33-21-00-710-001	Operational Test of the General Illumination
R ASM 33-21/01	
R ASM 33-21/02	

#### **3. Fault Confirmation**

A. Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) (Ref. AMM TASK 23-73-00-740-005).

B. Do the operational test of the general illumination (Ref. AMM TASK 33-21-00-710-001).

#### **4. Fault Isolation**

A. If the test gives a maintenance message, do the trouble shooting procedure related to the maintenance message.

- R B. If there is no CFDS message, but you cannot correctly control two thru
- R four FLUORESCENT TUBES in series:
- R - replace the related DEU-A (Ref. AMM TASK 23-73-46-000-001) and (Ref.
- R AMM TASK 23-73-46-400-001).

- R (1) If the fault continues:
- R - do a check and repair the WIRING between the related:
- R BALLAST UNIT connector A/D and DEU-A connector B/1,B/4,B/9 or B/12,
- R BALLAST UNIT connector A/E and DEU-A connector B/2,B/5,B/10 or
- R B/13,
- R BALLAST UNIT connector A/F and DEU-A connector B/3,B/6,B/11 or B/14
- R (Ref. ASM 33-21/01) and (Ref. ASM 33-21/02).
- R

EFF : ALL

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C. Do the test as given in the Para. 3.A .

5. Close-up

A. Put the aircraft back to its initial configuration.

R

EFF : ALL

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**TASK 33-21-00-810-805**

Lighting - All Cabin Lights cannot be dimmed or switched off or dim incorrectly

**1. Possible Causes**

- R
- DIR-CIDS, 1 (101RH)
  - ATTENDANT PANEL-FORWARD (120RH)
  - 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 23-73-12-000-002	Removal of the Forward Attendant Panel (120RH)
AMM 23-73-12-400-002	Installation of the Forward Attendant Panel (120RH)
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 33-21-00-710-001	Operational Test of the General Illumination
ASM 23-73/09	
AWM 23-73-48	

**3. Fault Confirmation**

- A. Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) (Ref. AMM TASK 23-73-00-740-005).
- B. Do the operational test of the general illumination (Ref. AMM TASK 33-21-00-710-001).

**4. Fault Isolation**

- A. If the test gives a maintenance message, do the trouble shooting procedure related to the maintenance message.
- B. If there is no CFDS message, but you cannot control all lights correctly:
- replace the DIR-CIDS, 1 (101RH) (Ref. AMM TASK 23-73-34-000-001) (Ref. AMM TASK 23-73-34-400-001).
- (1) If the fault continues:
- replace the ATTENDANT PANEL-FORWARD (120RH) (Ref. AMM TASK 23-73-12-000-002) (Ref. AMM TASK 23-73-12-400-002).
- (2) If the fault continues:
- R
- do a check of the WIRING (Ref. ASM 23-73/09) and (Ref. AWM 23-73-48).

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C. Do the test as given in the Para. 3.A .

5. Close-up

A. Put the aircraft back to its initial configuration.

R

EFF : ALL

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**TASK 33-21-00-810-806**

**Cabin Lights - All Cabin Lights Flicker**

### **1. Possible Causes**

### **2. Job Set-up Information**

#### **A. Fixtures, Tools, Test and Support Equipment**

---

#### **REFERENCE**

#### **QTY DESIGNATION**

---

No specific                      circuit breaker(s) safety clip(s)

#### **B. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

AMM	24-21-00-730-040	System Test of the IDG Frequency (P/N 740119)
AMM	24-21-51-000-040	Removal of the Integrated Drive Generator -IDG 1(2),(4000XU)
AMM	24-21-51-400-040	Installation of the Integrated Drive Generator -IDG 1(2),(4000XU)
AMM	24-41-00-861-002	Energize the Aircraft Electrical Circuits from the External Power
AMM	24-41-00-861-002	Energize the Aircraft Electrical Circuits from Engine 1(2)
AMM	24-41-00-862-002	De-energize the Aircraft Electrical Circuits Supplied from the External Power
AMM	71-00-00-710-003	Engine Automatic Start
AMM	71-00-00-710-025	Accel Check
AMM	71-00-00-710-028	Engine Shutdown

### **3. Fault Confirmation**

#### **A. Initial Maintenance Practices**

- (1) Make sure that there are no failure messages related to the generators or the Integrated Drive Generators (IDG) present.

**NOTE** : The subsequent procedures are based on the fact that there are no BITE or other failure messages related to the aircraft electrical power supplies.

- (2) Start the engine 2 (Ref. AMM TASK 71-00-00-710-003).

- (3) Make sure that the related aircraft electrical circuits are energized by the engine 2 (Ref. AMM TASK 24-41-00-861-002).

EFF :     ALL

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(4) Make sure that the aircraft external power stays available.

**B.** Do the subsequent test sequence (Ref. AMM TASK 24-21-00-730-040):

(1) Adjust the engine 2 power to become stable at 75 percent N2 (Ref. AMM TASK 71-00-00-710-025).

(2) Put sufficient electrical load on the IDG2 to cause a 40% to 55% load indication on the lower ECAM display unit (ELEC page).

(3) Keep up the above engine power and electrical load conditions for approximately 10 minutes.

(4) Monitor the IDG2 AC frequency on the lower ECAM display unit.

**NOTE :** The AC frequency has to stay between 398 Hz and 402 Hz during the last 10 seconds of this 10 minute period. If the AC frequency flickers outside these limits then it is possible that the IDG2 has an operation problem.

(5) Adjust the engine 2 power quickly to idle.

(6) Adjust the engine 2 power to become stable at 75 percent N2 (Ref. AMM TASK 71-00-00-710-025).

(7) Adjust the engine 2 power to idle.

#### **4. Fault Isolation**

**A.** If the cabin lights flicker after the above test sequence is completed:  
- disconnect and connect again the related AC buses from/to the generator 2 by the subsequent step.

**R** \*\*ON A/C 201-225, 238-299, 426-499, 503-549, 551-599, 701-749,

**B.** Open and close again after a few moments the subsequent circuit breakers:

PANEL	SERVICE	IDENT. LOCATION	
2000VU	CABIN LIGHT POWER - CEILING AFT	307LG	H08
2000VU	CABIN LIGHT POWER - CEILING AFT	304LG	H07
2000VU	CABIN LIGHT POWER - CEILING FWD	306LG	H06
2000VU	CABIN LIGHT POWER - CEILING FWD	305LG	H05
2000VU	CABIN LIGHT POWER - WINDOW AFT	302LG	H04
2000VU	CABIN LIGHT POWER - WINDOW AFT	301LG	H03
2000VU	CABIN LIGHT POWER - WINDOW FWD	303LG	H02
2000VU	CABIN LIGHT POWER - WINDOW FWD	300LG	H01
2000VU	LIGHT - CABIN ENTRY	308LG	J02

EFF : ALL

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R \*\*ON A/C 227-227, 229-237,

B. Open and close again after a few moments the subsequent circuit breakers:

PANEL	SERVICE	IDENT.	LOCATION
2000VU	CABIN LIGHT POWER - CEILING AFT	307LG	H08
2000VU	CABIN LIGHT POWER - CEILING AFT	304LG	H07
2000VU	CABIN LIGHT POWER - CEILING FWD	306LG	H06
2000VU	CABIN LIGHT POWER - CEILING FWD	305LG	H05
2000VU	CABIN LIGHT POWER - WINDOW AFT	302LG	H04
2000VU	CABIN LIGHT POWER - WINDOW AFT	301LG	H03
2000VU	CABIN LIGHT POWER - WINDOW FWD	303LG	H02
2000VU	CABIN LIGHT POWER - WINDOW FWD	300LG	H01
2000VU	LIGHT - CABIN ENTRY	308LG	J04

\*\*ON A/C ALL

C. Do again the test sequence as given in Para. 3.B.

D. If the cabin lights do not flicker,  
then a one time transient in the IDG2 AC power output not sufficient for  
a BITE message caused the start of the first flicker sequence:  
- no further trouble shooting is required.

\*\*ON A/C 201-225, 238-299, 426-499, 503-549, 551-599, 701-749,

E. If the cabin lights continue to flicker:  
- make sure that the external electrical power is connected to the  
aircraft (Ref. AMM TASK 24-41-00-861-002).

(1) Do a manual switch-over and energize the AC buses 212XP and 214XP by  
the external power supply (Ref. AMM TASK 24-41-00-861-002).

(2) Open, safety and tag this(these) circuit breaker(s):  
- 307LG at H08  
- 304LG at H07  
- 306LG at H06  
- 305LG at H05  
- 302LG at H04  
- 301LG at H03  
- 303LG at H02  
- 300LG at H01  
- 308LG at J02.

EFF : ALL

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- (3) Remove the safety clip(s) and the tag(s) and close this(these) circuit breaker(s):
- 307LG at H08
  - 304LG at H07
  - 306LG at H06
  - 305LG at H05
  - 302LG at H04
  - 301LG at H03
  - 303LG at H02
  - 300LG at H01
  - 308LG at J02.
- (4) If the cabin lights continue to flicker:
- do a manual switch-over and energize the AC buses 212XP and 214XP by the generator 2 (Ref. AMM TASK 24-41-00-861-002).
  - replace the external power supply unit, (Ref. AMM TASK 24-41-00-862-002) and (Ref. AMM TASK 24-41-00-861-002).
  - do again steps D.(1) thru D.(3) .
- (5) If the cabin lights do not flicker:
- stop the engine 2 (Ref. AMM TASK 71-00-00-710-028).
  - de-energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-862-002).
  - replace the IDG2, (Ref. AMM TASK 24-21-51-000-040) and (Ref. AMM TASK 24-21-51-400-040).

R \*\*ON A/C 227-227, 229-237,

E. If the cabin lights continue to flicker:

- make sure that the external electrical power is connected to the aircraft (Ref. AMM TASK 24-41-00-861-002).
- (1) Do a manual switch-over and energize the AC buses 212XP and 214XP by the external power supply (Ref. AMM TASK 24-41-00-861-002).
- (2) Open, safety and tag this(these) circuit breaker(s):
- 307LG at H08
  - 304LG at H07
  - 306LG at H06
  - 305LG at H05
  - 302LG at H04
  - 301LG at H03
  - 303LG at H02
  - 300LG at H01
  - 308LG at J04.
- (3) Remove the safety clip(s) and the tag(s) and close this(these) circuit breaker(s):
- 307LG at H08
  - 304LG at H07
  - 306LG at H06

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- 305LG at H05
- 302LG at H04
- 301LG at H03
- 303LG at H02
- 300LG at H01
- 308LG at J04.

(4) If the cabin lights continue to flicker:

- do a manual switch-over and energize the AC buses 212XP and 214XP by the generator 2 (Ref. AMM TASK 24-41-00-861-002).
- replace the external power supply unit, (Ref. AMM TASK 24-41-00-862-002) and (Ref. AMM TASK 24-41-00-861-002).
- do again steps D.(1) thru D.(3) .

(5) If the cabin lights do not flicker:

- stop the engine 2 (Ref. AMM TASK 71-00-00-710-028).
- de-energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-862-002).
- replace the IDG2, (Ref. AMM TASK 24-21-51-000-040) and (Ref. AMM TASK 24-21-51-400-040).

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F. Do again the fault confirmation procedure above.

### **5. Close-up**

A. Put the aircraft back to its initial configuration.

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R \*\*ON A/C 456-475,

R TASK 33-21-00-810-807

R No Data from a Ballast Unit

R 1. Possible Causes

- R - BALLAST UNIT
- R - WIRING
- R - DEU A

R 2. Job Set-up Information

R A. Referenced Information

R	-----	-----
R	REFERENCE	DESIGNATION
R	-----	-----
R	AMM 23-73-00-740-012	Ground Scanning of the Cabin Intercommunication Data System (CIDS)
R	AMM 23-73-46-000-001	Removal of the Decoder/Encoder Unit A (200RH)
R	AMM 23-73-46-400-001	Installation of the Decoder/Encoder Unit A (200RH)
R	AMM 33-21-11-000-001	Removal of the Ballast Unit and Lampholder 1LG1 (3LG1)
R	AMM 33-21-11-400-001	Installation of the Ballast Unit and Lampholder 1LG1
R	ASM 33-21/01	
R	ASM 33-21/02	
R	ASM 33-21/03	

R 3. Fault Confirmation

R A. Do the CIDS Ground Scanning (Ref. AMM TASK 23-73-00-740-012).

R 4. Fault Isolation

R A. If the Ground Scanning gives the maintenance message:

R BU<APPL.AREA>SRXX X/DEU A (200RHYY)

- R - replace the related BALLAST UNIT (Ref. AMM TASK 33-21-11-000-001) and
- R (Ref. AMM TASK 33-21-11-400-001).

R (1) If the fault continues:

- R - do a check of the WIRING between the Ballast Unit and the related
- R DEU A
- R (Ref. ASM 33-21/01), (Ref. ASM 33-21/02) or (Ref. ASM 33-21/03).

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- R (a) If the fault continues:
- R - replace the related DEU A (Ref. AMM TASK 23-73-46-000-001) and
- R (Ref. AMM TASK 23-73-46-400-001).
- R B. Do the test given in para. 3.

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R TASK 33-21-00-810-808

R Ballast Unit Fault

R 1. Possible Causes

R - BALLAST UNIT

R 2. Job Set-up Information

R A. Referenced Information

R -----  
R REFERENCE DESIGNATION  
R -----

R AMM 23-73-00-740-012 Ground Scanning of the Cabin Intercommunication Data  
R System (CIDS)

R AMM 33-21-11-000-001 Removal of the Ballast Unit and Lampholder 1LG1  
R (3LG1)

R AMM 33-21-11-400-001 Installation of the Ballast Unit and Lampholder 1LG1

R 3. Fault Confirmation

R A. Do the CIDS Ground Scanning (Ref. AMM TASK 23-73-00-740-012).

R 4. Fault Isolation

R A. If the Ground Scanning gives the maintenance message:

R

R BU<APPL.AREA>SRXX X

R

R - replace the related BALLAST UNIT (Ref. AMM TASK 33-21-11-000-001) and  
R (Ref. AMM TASK 33-21-11-400-001).

R B. Do the test given in para. 3.

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R TASK 33-21-00-810-809

R Ballast Unit - Fluorescent Tube Fault

R 1. Possible Causes

R - FLUORESCENT TUBE

R 2. Job Set-up Information

R A. Referenced Information

R -----  
R REFERENCE DESIGNATION  
R -----

R AMM 23-73-00-740-012 Ground Scanning of the Cabin Intercommunication Data  
R System (CIDS)

R AMM 33-21-11-000-001 Removal of the Ballast Unit and Lampholder 1LG1  
R (3LG1)

R AMM 33-21-11-400-001 Installation of the Ballast Unit and Lampholder 1LG1

R 3. Fault Confirmation

R A. Do the CIDS Ground Scanning (Ref. AMM TASK 23-73-00-740-012).

R 4. Fault Isolation

R A. If the Ground Scanning gives the maintenance message:

R  
R FLUO TUBE<APPL.AREA>SRXX X/BU  
R

R - replace the related FLUORESCENT TUBE (Ref. AMM TASK 33-21-11-000-001)  
R and (Ref. AMM TASK 33-21-11-400-001).

R B. Do the test given in para. 3.

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#### **TASK 33-24-00-810-801**

Lavatory Lighting - In one Lavatory the Lavatory Light does not come on

##### **1. Possible Causes**

- FLUORESCENT TUBE
- LAVATORY LIGHTING RELAY 2LQ
- wiring

##### **2. Job Set-up Information**

###### **A. Referenced Information**

REFERENCE	DESIGNATION
AMM 33-24-00-710-001	Operational Test of the Lavatory Lighting LQ
AMM 33-24-11-000-001	Removal of the Ballast Unit and Lampholder 3LQ
AMM 33-24-11-400-001	Installation of the Ballast Unit and Lampholder 3LQ
AMM 33-24-12-000-001	Removal of the Halogen Lamp with Lampholder (10LQ and 11LQ) in the Lavatories
AMM 33-24-12-400-001	Installation of the Halogen Lamp with Lampholder (10LQ and 11LQ) in the Lavatories
ASM 33-24/01	

##### **3. Fault Confirmation**

- A. Do the operational test of the Lavatory Lighting (Ref. AMM TASK 33-24-00-710-001).

##### **4. Fault Isolation**

- A. If the test confirms the fault:
- replace the related FLUORESCENT TUBE (Ref. AMM TASK 33-24-12-000-001) and (Ref. AMM TASK 33-24-12-400-001).
- (1) If the fault continues:
- do a check for 115 VAC at the related BALLAST UNIT pin C.
- (a) If there is approx. 115 VAC:
- replace the related BALLAST UNIT (Ref. AMM TASK 33-24-11-000-001) and (Ref. AMM TASK 33-24-11-400-001).
- (b) If there is no 115 VAC:
- do a check of the LAVATORY LIGHTING RELAY 2LQ and replace it if necessary.

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(2) If the fault continues:

- do a check and repair the wiring between the related:  
BALLAST UNIT pin C and LAVATORY LIGHTING RELAY 2LQ connector A/A1,  
BALLAST UNIT pin A and GND,  
BALLAST UNIT pin B and GND,  
LAVATORY LIGHTING RELAY 2LQ connector A/A2 and CB 1LQ (Ref. ASM 33-24/01).

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

### 5. Close-up

A. Put the aircraft back to its initial configuration.

EFF :     ALL

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### **TASK 33-24-00-810-802**

Lavatory Lighting - In all Lavatories the Lavatory Lights do not come on

#### **1. Possible Causes**

- ATTENDANT PANEL-FORWARD (120RH)
- LAVATORY LIGHTING-RELAY (2LQ)
- wiring

#### **2. Job Set-up Information**

##### **A. Referenced Information**

#### **REFERENCE**

#### **DESIGNATION**

	23-73-00-810-838	FAP - Fault in the Forward Attendant Panel
R	AMM 23-73-12-000-002	Removal of the Forward Attendant Panel (120RH)
R	AMM 23-73-12-400-002	Installation of the Forward Attendant Panel (120RH)
	AMM 33-24-00-710-001	Operational Test of the Lavatory Lighting LQ
	ASM 33-24/01	

#### **3. Fault Confirmation**

- A. Do the operational test of the lavatory lighting (Ref. AMM TASK 33-24-00-710-001)

#### **4. Fault Isolation**

- A. If the test confirms the fault:
- R - do a check of the LAVATORY LIGHTING-RELAY (2LQ) and replace it if necessary.
- R
- (1) If the fault continues:
- R - replace the ATTENDANT PANEL-FORWARD (120RH) (Ref. AMM TASK 23-73-12-000-002) and (Ref. AMM TASK 23-73-12-400-002).
- R
- (2) If the fault continues:
- do a check and repair the wiring if necessary between:  
LAVATORY LIGHTING RELAY 2LQ connector A/X1 and FWD ATTENDANT PANEL (120RH) connector A/14,  
LAVATORY LIGHTING RELAY 2LQ connector A/A2 and CB 1LQ,  
LAVATORY LIGHTING RELAY 2LQ connector A/X2 and GND (Ref. ASM 33-24/01).
- (3) If the fault continues:
- do the trouble shooting procedures for the FWD ATTENDANT PANEL (120RH) (Ref. TASK 23-73-00-810-838).

- B. Do the test as given in the Para. 3.A .

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**5. Close-up**

- A. Put the aircraft back to its initial configuration.

### **TASK 33-24-00-810-803**

Lavatory Lighting - In one Lavatory the Lavatory Light cannot be dimmed

#### **1. Possible Causes**

- LAV OCCPD SWITCH
- wiring

#### **2. Job Set-up Information**

##### **A. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

<b>33-26-00-810-802</b>	Lavatory Signs - The Occupied or Unoccupied Symbol in the Lavatory Lighted Sign does not come on
<b>AMM 33-21-11-000-001</b>	Removal of the Ballast Unit and Lampholder 1LG1 (3LG1)
<b>AMM 33-21-11-400-001</b>	Installation of the Ballast Unit and Lampholder 1LG1
<b>AMM 33-24-00-710-001</b>	Operational Test of the Lavatory Lighting LQ
<b>AMM 33-26-11-000-001</b>	Removal of the Lavatory Door Microswitch (WJ)
<b>AMM 33-26-11-400-001</b>	Installation of the Lavatory Door Microswitch (WJ)
<b>ASM 33-24/01</b>	
<b>ASM 33-26/01</b>	

#### **3. Fault Confirmation**

- A. Do the operational test of the lavatory lighting (Ref. AMM TASK 33-24-00-710-001).**

#### **4. Fault Isolation**

- A. If the test confirms the fault:**
- adjust the position of the related LAV OCCPD SWITCH in the door frame of the lavatory (Ref. AMM TASK 33-26-11-400-001).
- (1) If the fault continues:**
- do a check of the related LAV OCCPD SWITCH and replace it if necessary (Ref. AMM TASK 33-26-11-000-001) and (Ref. AMM TASK 33-26-11-400-001).
- (2) If the fault continues:**
- replace the related BALLAST UNIT (Ref. AMM TASK 33-21-11-000-001) and (Ref. AMM TASK 33-21-11-400-001).
- (3) If the fault continues:**
- do a check and repair the wiring if necessary between the related: BALLAST UNIT pin D and the LAV OCCPD SWITCH pin NF (Ref. ASM 33-24/01) and (Ref. ASM 33-26/01).

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(4) If the fault continues:

- do the trouble shooting procedures for the related LAV OCCPD SWITCH (Ref. TASK 33-26-00-810-802).

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

### 5. Close-up

A. Put the aircraft back to its initial configuration.

EFF :     ALL

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#### **TASK 33-25-00-810-801**

Reading Light - One Reading Light does not come on

##### **1. Possible Causes**

- LAMP
- FUSE
- READING LIGHT POWER UNIT
- PCB 2038VUA
- DEU-A
- wiring

##### **2. Job Set-up Information**

###### **A. Referenced Information**

-----	
REFERENCE	DESIGNATION
-----	
AMM 23-73-38-000-001	Removal of the Power Unit for the Passenger Reading Light
AMM 23-73-38-400-001	Installation of the Power Unit for the Passenger Reading Light
AMM 23-73-38-960-002	Replacement of the Power Unit Fuses for the Passenger Reading Light
R AMM 23-73-46-000-001	Removal of the Decoder/Encoder Unit A (200RH)
R AMM 23-73-46-400-001	Installation of the Decoder/Encoder Unit A (200RH)
R AMM 23-73-49-000-001	Removal of the Printed Circuit Board
R AMM 23-73-49-400-001	Installation of the Printed Circuit Board
AMM 23-73-64-000-001	Removal of the Reading Light
AMM 23-73-64-400-001	Installation of the Reading Light
R AMM 33-25-00-710-001	Operational Test of the Passenger Reading-Light System
R	
R AMM 33-27-00-740-001	Bite Test of the Cabin Attendant Work-Light through MCDU
R	
ASM 23-73/13	
ASM 33-25/01	

##### **3. Fault Confirmation**

- R A. Do the BITE test of the passenger reading lights with the MCDU (Ref. AMM  
R TASK 33-27-00-740-001).
- B. Do the operational test of the passenger reading-light system (Ref. AMM  
TASK 33-25-00-710-001).

EFF : ALL

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**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 operational test gives the maintenance message RDG LIGHT XX L, R  
(XX seat row) and the related lamp does not come on:  
- replace the LAMP (Ref. AMM TASK 23-73-64-000-001) and (Ref. AMM TASK  
23-73-64-400-001).
- (1) If the fault continues:  
- replace the related FUSE (Ref. AMM TASK 23-73-38-960-002).
- (a) If the fault continues:  
- replace the related READING LIGHT POWER UNIT (Ref. AMM TASK 23-  
73-38-000-001) and (Ref. AMM TASK 23-73-38-400-001).
- 1 If the fault continues:  
- replace the related PCB 2038VUA (Ref. AMM TASK 23-73-49-000-  
001) and (Ref. AMM TASK 23-73-49-400-001).
- R C. If the operational gives the maintenance message RDG LIGHT XX L, R and  
the lamp comes on:  
- replace the related DEU-A (Ref. AMM TASK 23-73-46-000-001) and (Ref.  
AMM TASK 23-73-46-400-001).
- (1) If the fault continues:  
- do a check and repair the wiring between the related:  
READING-LIGHT POWER UNIT conn. A/H and DEU-A conn. C/35 (Page 101)  
READING-LIGHT POWER UNIT conn. A/H and DEU-A conn. C/42 (Page 102)  
READING-LIGHT POWER UNIT conn. A/H and DEU-A conn. C/28 (Page 103)  
READING-LIGHT POWER UNIT conn. A/B and GND (Ref. ASM 23-73/13) and  
(Ref. ASM 33-25/01).
- R D. Do the test as given in the Para. 3.A.

**5. Close-up**

- A. Put the aircraft back to its initial configuration.

EFF : ALL

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**TASK 33-25-00-810-802**

R Reading Light - Fault on the Printed Circuit Board (PCB) of the Reading Lights

1. Possible Causes

- READING-LIGHT POWER UNIT
- PCB 2038VUA
- DEU-A
- wiring

2. Job Set-up Information

A. Referenced Information

REFERENCE		DESIGNATION
AMM	23-73-38-000-001	Removal of the Power Unit for the Passenger Reading Light
AMM	23-73-38-400-001	Installation of the Power Unit for the Passenger Reading Light
R	AMM	23-73-46-000-001 Removal of the Decoder/Encoder Unit A (200RH)
R	AMM	23-73-46-400-001 Installation of the Decoder/Encoder Unit A (200RH)
R	AMM	23-73-49-000-001 Removal of the Printed Circuit Board
R	AMM	23-73-49-400-001 Installation of the Printed Circuit Board
	AMM	23-73-64-000-001 Removal of the Reading Light
	AMM	23-73-64-400-001 Installation of the Reading Light
R	AMM	33-25-00-710-001 Operational Test of the Passenger Reading-Light System
R		
R	AMM	33-27-00-740-001 Bite Test of the Cabin Attendant Work-Light through MCDU
R		
	ASM	23-73/13
	ASM	33-25/01

3. Fault Confirmation

- R A. Do the BITE test of the passenger reading lights with the MCDU (Ref. AMM  
R TASK 33-27-00-740-001).
- B. Do the operational test of the passenger reading-light system (Ref. AMM  
TASK 33-25-00-710-001).

EFF : ALL

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**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 operational test gives the maintenance message RDG LIGHT PCB XX L,  
R (XX seats) and one or more lamps do not come on:  
- replace the lamps that do not come on (Ref. AMM TASK 23-73-64-000-001)  
and (Ref. AMM TASK 23-73-64-400-001).
- (1) If the fault continues:  
- replace the related READING-LIGHT POWER UNIT (Ref. AMM TASK 23-73-  
38-000-001) and (Ref. AMM TASK 23-73-38-400-001).
- (a) If the fault continues:  
- replace the related PCB 2038VUA (Ref. AMM TASK 23-73-49-000-  
001) and (Ref. AMM TASK 23-73-49-400-001).
- R C. If the operational test gives the maintenance message RDG LIGHT PCB XX L,  
R and all the reading lights come on:  
- replace the related DEU-A (Ref. AMM TASK 23-73-46-000-001) and (Ref.  
AMM TASK 23-73-46-400-001).
- (1) If the fault continues:  
- do a check and repair the wiring between the related:  
READING-LIGHT POWER UNIT conn. A/J and DEU-A conn. C/36 (Page 101)  
READING-LIGHT POWER UNIT conn. A/J and DEU-A conn. C/43 (Page 102)  
READING-LIGHT POWER UNIT conn. A/J and DEU-A conn. C/29 (Page 103)  
READING-LIGHT POWER UNIT conn. A/B and GND (Ref. ASM 23-73/13) and  
(Ref. ASM 33-25/01).
- R D. Do the test as given in the Para. 3.A .

**5. Close-up**

- A. Put the aircraft back to its initial configuration.

EFF : ALL

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**TASK 33-25-00-810-803**

Reading Light - Fault in the Power Supply to the Reading Lights

**1. Possible Causes**

- READING-LIGHT POWER UNIT
- wiring
- RELAY 7LW
- RELAY 8LW
- DEU-A

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

REFERENCE		DESIGNATION
AMM	23-73-38-000-001	Removal of the Power Unit for the Passenger Reading Light
AMM	23-73-38-400-001	Installation of the Power Unit for the Passenger Reading Light
R	AMM 23-73-46-000-001	Removal of the Decoder/Encoder Unit A (200RH)
R	AMM 23-73-46-400-001	Installation of the Decoder/Encoder Unit A (200RH)
R	AMM 33-25-00-710-001	Operational Test of the Passenger Reading-Light System
R	AMM 33-27-00-740-001	Bite Test of the Cabin Attendant Work-Light through MCDU
R	ASM 23-73/13	
	ASM 33-25/01	

**3. Fault Confirmation**

- R A. Do the BITE test of the passenger reading lights with the MCDU (Ref. AMM  
R TASK 33-27-00-740-001).
- B. Do the operational test of the passenger reading-light system (Ref. AMM  
TASK 33-25-00-710-001).

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.
- B. If the operational test gives the maintenance message **POWER PCB XX R** (XX seat row) and all reading lights on one right side PSIU do not come on:
- do a check for 115 VAC at the related **READING-LIGHT POWER UNIT** connector A/A (Ref. ASM 23-73/13).
- (1) If there is approx. 115 VAC:
- replace the related **READING-LIGHT POWER UNIT** (Ref. AMM TASK 23-73-38-000-001) and (Ref. AMM TASK 23-73-38-400-001).
- (2) If there is no 115 VAC:
- do a check and repair the wiring between the related:  
**READING-LIGHT POWER UNIT** conn. A/A and **RELAY 7LW** conn. A2,  
**READING-LIGHT POWER UNIT** conn. A/A and **RELAY 7LW** conn. B2,  
**READING-LIGHT POWER UNIT** conn. A/A and **RELAY 7LW** conn. C2,  
**READING-LIGHT POWER UNIT** conn. A/B and **GND** (Ref. ASM 23-73/13) and (Ref. ASM 33-25/01).
- C. If the operational test gives the maintenance message **POWER PCB XX L** (XX seat row) and all reading lights on one left side PSIU do not come on:
- do a check for 115 VAC at the related **READING-LIGHT POWER UNIT** connector A/A (Ref. ASM 23-73/13).
- (1) If there is approx. 115 VAC:
- replace the related **READING-LIGHT POWER UNIT** (Ref. AMM TASK 23-73-38-000-001) and (Ref. AMM TASK 23-73-38-400-001).
- (2) If there is no 115 VAC:
- do a check and repair the wiring between the related:  
**READING-LIGHT POWER UNIT** conn. A/A and **RELAY 8LW** conn. A2,  
**READING-LIGHT POWER UNIT** conn. A/A and **RELAY 8LW** conn. B2,  
**READING-LIGHT POWER UNIT** conn. A/A and **RELAY 8LW** conn. C2,  
**READING-LIGHT POWER UNIT** conn. A/B and **GND** (Ref. ASM 23-73/13) and (Ref. ASM 33-25/01).
- D. If the operational test gives two or more maintenance messages **POWER PCB XX R** (XX seat row) and all reading lights in two or more right side PSIUs in series do not come on:
- do a check of the **RELAY 7LW** and replace it if necessary.
- (1) If the fault continues:
- do a check and repair the wiring between the:  
**CB 1LW** and **RELAY 7LW** conn. A1,  
**CB 2LW** and **RELAY 7LW** conn. B1,  
**CB 3LW** and **RELAY 7LW** conn. C1,  
**RELAY 7LW** conn. A2 and **READING-LIGHT POWER UNIT** conn. D,  
**RELAY 7LW** conn. B2 and **READING-LIGHT POWER UNIT** conn. D,

EFF : ALL

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# **A319/A320/A321**

## **TROUBLE SHOOTING MANUAL**

RELAY 7LW conn. C2 and READING-LIGHT POWER UNIT conn. D (Ref. ASM 23-73/13) and (Ref. ASM 33-25/01).

E. If the operational test gives two or more maintenance messages POWER PCB XX L (XX seat row) and all reading lights in two or more left side PSIUs in series do not come on:

- do a check of the RELAY 8LW and replace it if necessary.

(1) If the fault continues:

- do a check and repair the wiring between the:

  - CB 4LW and RELAY 8LW conn. A1,

  - CB 5LW and RELAY 8LW conn. B1,

  - CB 6LW and RELAY 8LW conn. C1,

  - RELAY 8LW conn. A2 and READING-LIGHT POWER UNIT conn. D,

  - RELAY 8LW conn. B2 and READING-LIGHT POWER UNIT conn. D,

  - RELAY 8LW conn. C2 and READING-LIGHT POWER UNIT conn. D (Ref. ASM 23-73/13) and (Ref. ASM 33-25/01).

F. If the operational test gives the maintenance message POWER PCB XX L, R and all reading lights come on:

- replace the related DEU-A (Ref. AMM TASK 23-73-46-000-001) and (Ref. AMM TASK 23-73-46-400-001).

G. Do the test given in Para. 3.A.

### 5. Close-up

A. Put the aircraft back to its initial configuration.

R

EFF : ALL

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#### **TASK 33-26-00-810-801**

Lavatory Signs - One Lamp in the Lavatory Occupied Sign does not come on

##### **1. Possible Causes**

- SIGN-LAVATORY OCCUPIED (3WJ)
- SIGN-LAVATORY OCCUPIED (13WJ)
- LAMP

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

AMM 33-26-00-710-001	Operational Test of the Lavatory Lighted Signs WJ
AMM 33-26-23-000-001	Removal of the Lavatory Occupied Signs (WJ)
AMM 33-26-23-400-001	Installation of the Lavatory Occupied Signs (WJ)

##### **3. Fault Confirmation**

- A. Do the operational test of the lavatory lighted signs (Ref. AMM TASK 33-26-00-710-001).

##### **4. Fault Isolation**

R

- R A. If the test gives a maintenance message, do the trouble shooting  
R procedure related to the maintenance message.

- B. If the test shows that one LAMP in the FWD SIGN-LAVATORY OCCUPIED (3WJ) does not come on:  
- replace the related LAMP.

(1) If the fault continues:

- replace the SIGN-LAVATORY OCCUPIED (3WJ) (Ref. AMM TASK 33-26-23-000-001) and (Ref. AMM TASK 33-26-23-400-001).

- C. If the test shows that one LAMP in the AFT SIGN-LAVATORY OCCUPIED (13WJ) does not come on:  
- replace the related LAMP.

(1) If the fault continues:

- replace the SIGN-LAVATORY OCCUPIED (13WJ) (Ref. AMM TASK 33-26-23-000-001) and (Ref. AMM TASK 33-26-23-400-001).

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D. Do the test given in paragraph 3.A.

5. Close-up

A. Put the aircraft back to its initial configuration.

### **TASK 33-26-00-810-802**

Lavatory Signs - The Occupied or Unoccupied Symbol in the Lavatory Lighted Sign does not come on

#### **1. Possible Causes**

- SIGN-LAVATORY OCCUPIED (3WJ)
- SIGN-LAVATORY OCCUPIED (13WJ)
- LAMPS
- SWITCH-LAVATORY OCCUPIED (2WJ)
- WIRING
- CB (1WJ)
- SWITCH-LAVATORY OCCUPIED (7WJ)
- SWITCH-LAVATORY OCCUPIED (9WJ)
- RELAY-LAVATORY OCCUPIED (5WJ)
- RELAY-LAVATORY OCCUPIED (8WJ)

#### **2. Job Set-up Information**

##### **A. Referenced Information**

##### **REFERENCE**

##### **DESIGNATION**

AMM 33-26-00-710-001	Operational Test of the Lavatory Lighted Signs WJ
AMM 33-26-11-000-001	Removal of the Lavatory Door Microswitch (WJ)
AMM 33-26-11-400-001	Installation of the Lavatory Door Microswitch (WJ)
AMM 33-26-23-000-001	Removal of the Lavatory Occupied Signs (WJ)
AMM 33-26-23-400-001	Installation of the Lavatory Occupied Signs (WJ)
ASM 33-26/01	
ASM 33-26/01	

#### **3. Fault Confirmation**

- A. Do the operational test of the Lavatory Lighted Signs (Ref. AMM TASK 33-26-00-710-001).

#### **4. Fault Isolation**

- A. If the test shows that no LAMPS in the red occupied pictorial symbol of the FWD SIGN-LAVATORY OCCUPIED (3WJ) come on:
- make sure that the FWD lavatory door is closed and locked,
  - do a check for 28 VDC at the LAMPS (Ref. ASM 33-26/01).

(1) If there is 28 VDC:

- replace the SIGN-LAVATORY OCCUPIED (3WJ) (Ref. AMM TASK 33-26-23-000-001) and (Ref. AMM TASK 33-26-23-400-001).

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- (2) If there is no 28 VDC:
- do a check of the SWITCH-LAVATORY OCCUPIED (2WJ) and replace it if necessary (Ref. AMM TASK 33-26-11-000-001) and (Ref. AMM TASK 33-26-11-400-001)
- (3) If the fault continues:
- do a check and repair the WIRING between:  
CB (1WJ) and SWITCH-LAVATORY OCCUPIED (2WJ) pin C,  
SWITCH-LAVATORY OCCUPIED (2WJ) pin NO and SIGN-LAVATORY OCCUPIED (3WJ) pin 3+,  
SIGN-LAVATORY OCCUPIED (3WJ) pin 2- and GND  
(Ref. ASM 33-26/01)
- B. If the test shows that no LAMPS in the green unoccupied pictorial symbol of the FWD SIGN-LAVATORY OCCUPIED (3WJ) come on:
- make sure that the FWD lavatory door is not locked,
  - do a check for 28 VDC at the LAMPS (Ref. ASM 33-26/01).
- (1) If there is 28 VDC:
- replace the SIGN-LAVATORY OCCUPIED (3WJ) (Ref. AMM TASK 33-26-23-000-001) and (Ref. AMM TASK 33-26-23-400-001).
- (2) If there is no 28 VDC:
- do a check of the SWITCH-LAVATORY OCCUPIED (2WJ) and replace it if necessary (Ref. AMM TASK 33-26-11-000-001) and (Ref. AMM TASK 33-26-11-400-001).
- (3) If the fault continues:
- do a check and repair the WIRING between:  
CB (1WJ) and SWITCH-LAVATORY OCCUPIED (2WJ) pin C,  
SWITCH-LAVATORY OCCUPIED (2WJ) pin NF and SIGN-LAVATORY OCCUPIED (3WJ) pin 1+,  
SIGN-LAVATORY OCCUPIED (3WJ) pin 2- and GND (Ref. ASM 33-26/01).
- C. If the test shows that no LAMPS in the red occupied pictorial symbol of the AFT SIGN-LAVATORY OCCUPIED (13WJ) come on:
- make sure that the AFT lavatory doors are closed and locked,
  - do a check for 28 VDC at the LAMPS (Ref. ASM 33-26/01).
- (1) If there is 28 VDC:
- replace the SIGN-LAVATORY OCCUPIED (13WJ) (Ref. AMM TASK 33-26-23-000-001) and (Ref. AMM TASK 33-26-23-400-001).
- (2) If there is no 28VDC:
- do a check of the SWITCH-LAVATORY OCCUPIED (7WJ) and replace it if necessary (Ref. AMM TASK 33-26-11-000-001) and (Ref. AMM TASK 33-26-11-400-001).
- (3) If the fault continues:
- do a check of the SWITCH-LAVATORY OCCUPIED (9WJ) and replace it if necessary (Ref. AMM TASK 33-26-11-000-001) and (Ref. AMM TASK 33-26-11-400-001).

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- (4) If the fault continues:
  - do a check of the RELAY-LAVATORY OCCUPIED (5WJ) and replace it if necessary.
- (5) If the fault continues:
  - do a check of the RELAY-LAVATORY OCCUPIED (8WJ) and replace it if necessary.
- (6) If the fault continues:
  - do a check and repair the WIRING between:
    - CB (1WJ) and SWITCH-LAVATORY OCCUPIED (9WJ) pin C,
    - SWITCH-LAVATORY OCCUPIED (9WJ) pin NO and RELAY-LAVATORY OCCUPIED (5WJ) pin X,
    - RELAY-LAVATORY OCCUPIED (5WJ) pin Z and GND,
    - CB (1WJ) and SWITCH-LAVATORY OCCUPIED (7WJ) pin C,
    - SWITCH-LAVATORY OCCUPIED (7WJ) pin NO and RELAY-LAVATORY OCCUPIED (5WJ) pin A/A,
    - RELAY-LAVATORY OCCUPIED (5WJ) pin A/2 and RELAY-LAVATORY OCCUPIED (8WJ) pin A/X1,
    - RELAY-LAVATORY OCCUPIED (8WJ) pin A/X2 and GND,
    - CB (1WJ) and RELAY-LAVATORY OCCUPIED (8WJ) pin A/A2,
    - RELAY-LAVATORY OCCUPIED (8WJ) pin A/A1 and SIGN-LAVATORY OCCUPIED (13WJ) pin 3+ (Ref. ASM 33-26/01).
- D. If the test shows that no LAMPS in the green unoccupied pictorial symbol of the AFT SIGN-LAVATORY OCCUPIED (13WJ) come on:
  - make sure that the AFT lavatory doors are not locked,
  - do a check for 28 VDC at the LAMPS (Ref. ASM 33-26/01).
- (1) If there is 28 VDC:
  - replace the SIGN-LAVATORY OCCUPIED (13WJ) (Ref. AMM TASK 33-26-23-000-001) and (Ref. AMM TASK 33-26-23-400-001).
- (2) If there is no 28VDC:
  - do a check of the SWITCH-LAVATORY OCCUPIED (7WJ) and replace it if necessary (Ref. AMM TASK 33-26-11-000-001) and (Ref. AMM TASK 33-26-11-400-001).
- (3) If the fault continues:
  - do a check of the SWITCH-LAVATORY OCCUPIED (9WJ) and replace it if necessary (Ref. AMM TASK 33-26-11-000-001) and (Ref. AMM TASK 33-26-11-400-001).
- (4) If the fault continues:
  - do a check of the RELAY-LAVATORY OCCUPIED (5WJ) and replace it if necessary.
- (5) If the fault continues:
  - do a check of the RELAY-LAVATORY OCCUPIED (8WJ) and replace it if necessary.

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(6) If the fault continues:

- do a check and repair the WIRING between:

CB (1WJ) and RELAY-LAVATORY OCCUPIED (8WJ) pin A/A2,

RELAY-LAVATORY OCCUPIED (8WJ) pin A/A3 and SIGN-LAVATORY OCCUPIED (13WJ) pin 1+,

SIGN-LAVATORY OCCUPIED (13WJ) pin 2- and GND (Ref. ASM 33-26/01).

E. Do the test as given in the Para. 3. A.

### 5. Close-up

A. Put the aircraft back to its initial configuration.

EFF : ALL

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### **TASK 33-26-00-810-803**

Lavatory Signs - The Toilet Occupied Symbol in the Cockpit (48VU) does not come on

#### **1. Possible Causes**

- LIGHT-OCCUPIED (6WJ)
- LAMP
- RELAY-OCCUPIED (18LP)
- WIRING
- CB (1WJ)
- SWITCH-LAVATORY OCCUPIED (2WJ)
- RELAY-OCCUPIED (18LP),

#### **2. Job Set-up Information**

##### **A. Referenced Information**

#### **REFERENCE**

#### **DESIGNATION**

AMM 33-26-00-710-001 Operational Test of the Lavatory Lighted Signs WJ  
ASM 33-26/01

#### **3. Fault Confirmation**

- A. Do the operational test of the Lavatory Lighted Signs (Ref. AMM TASK 33-26-00-710-001).

#### **4. Fault Isolation**

- A. If the test shows that the LIGHT-OCCUPIED (6WJ) does not come on:

**NOTE** : Be sure that the FWD lavatory door is closed and engaged.

- do a check for 28 VDC at the lamps (Ref. ASM 33-26/01).

(1) If there is 28 VDC:

- replace the LAMP

(2) If there is no 28 VDC:

- replace the RELAY-OCCUPIED (18LP)

(a) If the fault continues:

- do a check and repair the WIRING between:

CB (1WJ) and SWITCH-LAVATORY OCCUPIED (2WJ) pin C,  
SWITCH-LAVATORY OCCUPIED (2WJ) pin NO and RELAY-OCCUPIED (18LP)  
pin 21  
RELAY-OCCUPIED (18LP), pin 45 and ground,

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# **A319/A320/A321**

## **TROUBLE SHOOTING MANUAL**

RELAY-OCCUPIED (18LP), pin 10 and LIGHT-OCCUPIED (6WJ) pin 7,  
(Ref. ASM 33-26/01)

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

### 5. Close-up

A. Put the aircraft back to its initial configuration.

EFF :     ALL

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# **33-26-00**

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#### **TASK 33-27-00-810-801**

#### **Cabin Attendant Work Light Fault**

##### **1. Possible Causes**

- WORK LIGHT
- lamp
- PUSHBUTTON SWITCH
- wiring
- PWR UNIT
- FAP (120RH)
- PWR SPLY RELAY (2LZ)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

-----		
REFERENCE		DESIGNATION
-----		-----
R	AMM 23-73-00-740-005	BITE-test of the Cabin Intercommunication Data System (CIDS) through the CFDS
R		
R	AMM 23-73-15-000-001	Removal of the Light Module (122RH)
R	AMM 23-73-15-400-001	Installation of the Light Module (122RH)
	AMM 33-27-00-710-001	Operational Test of the Cabin Attendant Work-Light
	AMM 33-27-12-000-001	Removal of the Cabin Attendant Work-Lights
	AMM 33-27-12-400-001	Installation of the Cabin Attendant Work-Lights
	AMM 33-27-38-000-001	Removal of the Power Unit for the Cabin Attendant Work-Light
	AMM 33-27-38-400-001	Installation of the Power Unit for the Cabin Attendant Work-Light
	ASM 33-27/01	

##### **3. Fault Confirmation**

- A. Do the operational test of the cabin-attendant work lights (Ref. AMM TASK 33-27-00-710-001).
- R B. Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) (Ref. AMM TASK 23-73-00-740-005).
- R

EFF : ALL

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### **4. Fault Isolation**

- A. If the operational test gives the maintenance message **WORK LIGHT FWD 1,2,L,R**  
or **WORK LIGHT MID 1,2,L,R** or **WORK LIGHT AFT 1,2,L,R**:
- replace the related **WORK LIGHT** (Ref. AMM TASK 33-27-12-000-001) and (Ref. AMM TASK 33-27-12-400-001).
- (1) If the fault continues:
- replace the related **PWR UNIT** (Ref. AMM TASK 33-27-38-000-001) and (Ref. AMM TASK 33-27-38-400-001).
- B. If the operational test gives the maintenance message **WORK LIGHT PCB FWD 1,2,L,R**  
or **WORK LIGHT PCB MID 1,2,L,R** or **WORK LIGHT PCB AFT 1,2,L,R**:
- replace the related **WORK LIGHT** (Ref. AMM TASK 33-27-12-000-001) and (Ref. AMM TASK 33-27-12-400-001).
- (1) If the fault continues:
- replace the related **PWR UNIT** (Ref. AMM TASK 33-27-38-000-001) and (Ref. AMM TASK 33-27-38-400-001).
- C. If the operational test gives the maintenance message **POWER PCB FWD 1,2,L,R**  
or **POWER PCB 1,2,L,R** or **POWER PCB AFT 1,2,L,R**:
- replace the related **PWR UNIT** (Ref. AMM TASK 33-27-38-000-001) and (Ref. AMM TASK 33-27-38-400-001).
- D. If the test gives a different maintenance message, do the trouble shooting procedure related to the maintenance message.
- E. If the operational test gives no maintenance message, but one of the work lights does not come on:
- replace the related lamp (Ref. AMM TASK 33-27-12-000-001) and (Ref. AMM TASK 33-27-12-400-001).
- (1) If the fault continues:
- do a check of the related **PUSHBUTTON SWITCH** and replace it if necessary.
- (2) If the fault continues:
- replace the related **PWR UNIT** (Ref. AMM TASK 33-27-38-000-001) and (Ref. AMM TASK 33-27-38-400-001).
- (3) If the fault continues:
- do a check and repair the wiring between:  
**PWR UNIT (3LZ) conn. A/D and L FWD ATTND SEAT (2063VU1) pin 1,**  
**PWR UNIT (3LZ) conn. A/G and L FWD ATTND SEAT (2063VU1) pin 3,**  
**GND and L FWD ATTND SEAT (2063VU1) pin 2,**

EFF : ALL

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## **TROUBLE SHOOTING MANUAL**

PWR UNIT (13LZ) conn. A/F and R AFT ATTND SEAT (2062VU2) pin 1,  
GND and R AFT ATTND SEAT (2062VU2) pin 2,  
PWR UNIT (12LZ) conn. A/F and L AFT ATTND SEAT (2062VU1) pin 1,  
GND and L AFT ATTND SEAT (2062VU1) pin 2 (Ref. ASM 33-27/01).

- F. If the operational test gives no maintenance message, but the work light does not come on when you push the pushbutton switch:
- replace the related lamp (Ref. AMM TASK 33-27-12-000-001) and (Ref. AMM TASK 33-27-12-400-001).

(1) If the fault continues:

- do a check of the related PUSHBUTTON SWITCH and replace it if necessary (Ref. ASM 33-27/01).

(2) If the fault continues:

- replace the related PWR UNIT (Ref. AMM TASK 33-27-38-000-001) and (Ref. AMM TASK 33-27-38-400-001).

(3) If the fault continues:

- do a check and repair the wiring between:  
PWR UNIT (3LZ) conn. A/D and L FWD ATTND SEAT (2063VU1) pin 1,  
PWR UNIT (3LZ) conn. A/G and L FWD ATTND SEAT (2063VU1) pin 3,  
GND and L FWD ATTND SEAT (2063VU1) pin 2,  
PWR UNIT (13LZ) conn. A/F and R AFT ATTND SEAT (2062VU2) pin 1,  
GND and R AFT ATTND SEAT (2062VU2) pin 2,  
PWR UNIT (12LZ) conn. A/F and L AFT ATTND SEAT (2062VU1) pin 1,  
GND and L AFT ATTND SEAT (2062VU1) pin 2 (Ref. ASM 33-27/01).

- G. If the test gives no maintenance message, but no work lights come on:
- do a check of the FAP (120RH) and replace it if necessary (Ref. AMM TASK 23-73-15-000-001) and (Ref. AMM TASK 23-73-15-400-001).

(1) If the fault continues:

- do a check of the PWR SPLY RELAY (2LZ) and replace it if necessary.

(2) If the fault continues:

- do a check and repair the wiring between:  
PWR UNIT (12LZ) conn. A/A and RELAY (2LZ) conn. A/B1,  
PWR UNIT (13LZ) conn. A/A and RELAY (2LZ) conn. A/B1,  
PWR UNIT (3LZ) conn. A/A and RELAY (2LZ) conn. A/B1,  
FAP (120RH) conn. A/13 and RELAY (2LZ) conn. A/X1,  
CB (1LZ) and RELAY (2LZ) conn. A/B2,  
GND and RELAY (2LZ) conn. A/X2 (Ref. ASM 33-27/01).

H. Do the test as given in the Para. 3.A.

### **5. Close-up**

A. Put the aircraft back to its initial configuration.

EFF : ALL

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#### **TASK 33-31-00-810-801**

Service Area Lights - One or Two Service Area Lights in Section 19 do not come on

##### **1. Possible Causes**

- SERVICE AREA LIGHT
- wiring
- ON-OFF SWITCH 3LJ
- lamps
- SERVICE AREA LIGHTS 4LJ (5LJ)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

AMM 33-31-00-710-001	Operational Test of the Service Area Lighting
AMM 33-31-11-000-001	Removal of the Service Area Light 6LJ
AMM 33-31-11-400-001	Installation of the Service Area Light 6LJ
ASM 33-31/01	

##### **3. Fault Confirmation**

- A. Do the operational test of the Service Area Lighting (Ref. AMM TASK 33-31-00-710-001)

##### **4. Fault Isolation**

- A. If the operational test confirms the fault in one light:
- replace the lamp.
- (1) If the fault continues:
- do a check for 28 VDC at the related SERVICE AREA LIGHT pin 1 (Ref. ASM 33-31/01).
- (a) If there is approx. 28 VDC:
- replace the related SERVICE AREA LIGHT (Ref. AMM TASK 33-31-11-000-001) and (Ref. AMM TASK 33-31-11-400-001).
- (b) If there is no 28 VDC:
- do a check and repair the wiring if necessary between the:  
related SERVICE AREA LIGHT pin 1 and ON-OFF SWITCH 3LJ pin 1,  
related SERVICE AREA LIGHT pin 2 and GND (Ref. ASM 33-31/01).

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- (2) If the fault continues:  
- do a check of the ON-OFF SWITCH 3LJ and replace it if necessary.

- (3) If the fault continues:  
- do a check and repair the wiring between:  
ON-OFF SWITCH 3LJ pin 2 and CB 1LJ (Ref. ASM 33-31/01).

- B. If the test confirms the fault in the two lights:  
- replace the two lamps.

- (1) If the fault continues:  
- do a check for 28 VDC at the two SERVICE AREA LIGHTS pin 1 (Ref. ASM 33-31/01).

- (a) If there is approx. 28 VDC:  
- replace the two SERVICE AREA LIGHTS 4LJ (5LJ) (Ref. AMM TASK 33-31-11-000-001) and (Ref. AMM TASK 33-31-11-400-001).

- (b) If there is no 28 VDC:  
- do a check of the ON-OFF SWITCH 3LJ and replace it if necessary.

- (2) If the fault continues:  
- do a check and repair the wiring between:  
ON-OFF SWITCH 3LJ pin 2 and CB 1LJ,  
ON-OFF SWITCH 3LJ pin 1 and SERVICE AREA LIGHT 5LJ pin 1,  
ON-OFF SWITCH 3LJ pin 1 and SERVICE AREA LIGHT 4LJ pin 1,  
SERVICE AREA LIGHT 5LJ pin 2 and GND,  
SERVICE AREA LIGHT 4LJ pin 2 and GND (Ref. ASM 33-31/01).

C. Do the test as given in the Para. 3.A .

### 5. Close-up

- A. Put the aircraft back to its initial configuration.

EFF : ALL

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**TASK 33-31-00-810-802**

Socket - No 28 VDC at the Maintenance Socket in Section 19

**1. Possible Causes**

- SOCKET
- wiring

**2. Job Set-up Information**

A. Referenced Information

-----  
**REFERENCE**

**DESIGNATION**  
-----

ASM 33-31/01

**3. Fault Confirmation**

A. Measure the voltage at the maintenance socket with a voltmeter.

**4. Fault Isolation**

A. If there is no 28 VDC:  
- replace the related SOCKET

- (1) If the fault continues:
- do a check and repair the wiring between:  
SOCKET 8LJ pin + and CB 1LJ,  
SOCKET 8LJ pin N and GND,  
SOCKET 10LJ pin + and CB 1LJ,  
SOCKET 10LJ pin N and GND (Ref. ASM 33-31/01).

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

**5. Close-up**

A. Put the aircraft back to its initial configuration.

EFF : ALL

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**TASK 33-31-00-810-803**

Service Area Lights - The Service Area Light in the APU Compartment does not come on

**1. Possible Causes**

- lamp
- SERVICE AREA LIGHT 6LJ
- ON-OFF SWITCH 11LJ
- wiring

**2. Job Set-up Information****A. Referenced Information****REFERENCE****DESIGNATION**

AMM 33-31-00-710-001	Operational Test of the Service Area Lighting
AMM 33-31-11-000-001	Removal of the Service Area Light 6LJ
AMM 33-31-11-400-001	Installation of the Service Area Light 6LJ
ASM 33-31/01	

**3. Fault Confirmation**

- A. Do the operational test of the Service Area Lighting (Ref. AMM TASK 33-31-00-710-001).

**4. Fault Isolation**

- A. If the operational test shows that the SERVICE AREA LIGHT 6LJ, in the APU compartment, does not come on:
- replace the lamp.

(1) If the fault continues:

- do a check for 28 VDC at the SERVICE AREA LIGHT 6LJ (Ref. ASM 33-31/01).

(a) If there is approx. 28 VDC:

- replace the SERVICE AREA LIGHT 6LJ (Ref. AMM TASK 33-31-11-000-001) and (Ref. AMM TASK 33-31-11-400-001).

(b) If there is no 28 VDC::

- do a check of the ON-OFF SWITCH 11LJ and replace it if necessary.

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(2) If the fault continues:

- do a check and repair the wiring between:

ON-OFF SWITCH 11LJ pin 2 and CB 2LJ,

ON-OFF SWITCH 11LJ pin 1 and SERVICE AREA LIGHT 6LJ pin 1,

SERVICE AREA LIGHT 6LJ pin 2 and GND (Ref. ASM 33-31/01).

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

### 5. Close-up

A. Put the aircraft back to its initial configuration.

EFF : ALL

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#### **TASK 33-32-00-810-801**

Socket - No 28 VDC at the Maintenance Socket of the Air Conditioning Compt.

##### **1. Possible Causes**

- MAINTENANCE SOCKET (2LK)
- wiring

##### **2. Job Set-up Information**

A. Referenced Information

---

#### **REFERENCE**

#### **DESIGNATION**

---

AMM 33-32-00-720-001

Functional Test of the Maintenance Socket in the Air Conditioning Duct and Accessory Compartment (LK)

ASM 33-32/01

##### **3. Fault Confirmation**

A. Do the functional test of the maintenance socket (Ref. AMM TASK 33-32-00-720-001).

##### **4. Fault Isolation**

A. If the functional test shows there is no 28 VDC at the maintenance socket:  
- replace the MAINTENANCE SOCKET (2LK).

(1) If the fault continues:

- do a check and repair the wiring between:  
CB 1LK and SOCKET 2LK pin +  
GND and SOCKET 2LK pin N (Ref. ASM 33-32/01).

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

##### **5. Close-up**

A. Put the aircraft back to its initial configuration.

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#### **TASK 33-34-00-810-801**

Cargo Comp. Lighting - One Light in the FWD or AFT Cargo Compartment does not come on

#### **1. Possible Causes**

- fluorescent tube
- BALLAST UNIT
- FWD CARGO COMPT SW 6LU
- wiring
- AFT CARGO COMPT SW 8LU
- AFT CARGO COMPT SW 18LU

#### **2. Job Set-up Information**

##### **A. Referenced Information**

#### **REFERENCE**

#### **DESIGNATION**

AMM 33-34-00-710-001	Operational Test of the FWD and AFT Cargo Compartment Lighting
AMM 33-34-11-000-001	Removal of the Ballast Unit and Lampholder
AMM 33-34-11-400-001	Installation of the Ballast Unit and Lampholder
ASM 33-34/01	

#### **3. Fault Confirmation**

- A. Do the operational test of the FWD and AFT Cargo-Compartment Lighting (Ref. AMM TASK 33-34-00-710-001).

#### **4. Fault Isolation**

- A. If the operational test shows that a light in the FWD Cargo Compartment does not come on:
- replace the related fluorescent tube.

(1) If the fault continues:

- do a check for 115 VAC at the related BALLAST UNIT connector A/C (Ref. ASM 33-34/01).

(a) If there is approx. 115 VAC:

- replace the related BALLAST UNIT (Ref. AMM TASK 33-34-11-000-001) and (Ref. AMM TASK 33-34-11-400-001).

(b) If there is no 115 VAC:

- do a check of the FWD CARGO COMPT SW 6LU and replace it if necessary.

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- (2) If the fault continues:
  - do a check and repair the wiring between the related BALLAST UNIT connector A/C and CB 1LU (Ref. ASM 33-34/01).
- B. If the operational test shows that a light in the AFT Cargo Compartment does not come on:
  - replace the related fluorescent tube.
- (1) If the fault continues:
  - do a check for 115 VAC at the related BALLAST UNIT connector A/C (Ref. ASM 33-34/01).
- (a) If there is approx. 115 VAC:
  - replace the related BALLAST UNIT (Ref. AMM TASK 33-34-11-000-001) and (Ref. AMM TASK 33-34-11-400-001).
- (b) If there is no 115 VAC:
  - do a check of the AFT CARGO COMPT SW 8LU and replace it if necessary.
- (2) If the fault continues:
  - do a check and repair the wiring between the related BALLAST UNIT connector A/C and CB 2LU (Ref. ASM 33-34/01).
- C. If the operational test shows that a light in the AFT Cargo Compartment does not come on:
  - replace the related fluorescent tube.
- (1) If the fault continues:
  - do a check for 115 VDC at the related BALLAST UNIT connector A/C (Ref. ASM 33-34/01).
- (a) If there is approx. 115 VDC:
  - replace the related BALLAST UNIT (Ref. AMM TASK 33-34-11-000-001) and (Ref. AMM TASK 33-34-11-400-001).
- (b) If there is no 115 VDC:
  - do a check of the AFT CARGO COMPT SW 8LU and replace it if necessary.
- (c) If the fault continues:
  - do a check of the AFT CARGO COMPT SW 18LU and replace it if necessary.
- (2) If the fault continues:
  - do a check and repair the wiring between the related BALLAST UNIT connector A/C and CB 2LU (Ref. ASM 33-34/01).
- D. Do the test as given in the Para. 3.A .

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**5. Close-up**

- A. Put the aircraft back to its initial configuration.

EFF :     ALL

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**TASK 33-34-00-810-802**

Cargo Comp. Lighting - No Lights in the FWD or AFT Cargo Compartment come on

**1. Possible Causes**

- BALLAST UNIT
- FWD CARGO COMPT SW 6LU
- wiring
- fluorescent tubes
- AFT CARGO COMPT SW 8LU
- AFT CARGO COMPT SW 18LU

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

REFERENCE	DESIGNATION
AMM 33-34-00-710-001	Operational Test of the FWD and AFT Cargo Compartment Lighting
AMM 33-34-11-000-001	Removal of the Ballast Unit and Lampholder
AMM 33-34-11-400-001	Installation of the Ballast Unit and Lampholder
ASM 33-34/01	

**3. Fault Confirmation**

- A. Do the operational test of the FWD and AFT Cargo-Compartment Lighting (Ref. AMM TASK 33-34-00-710-001).

**4. Fault Isolation**

- A. If the operational test shows that no lights in the FWD Cargo Compartment come on:
- replace a fluorescent tube.
- (1) If the fluorescent tube comes on:
- replace all the fluorescent tubes.
- (2) If the fault continues:
- do a check for 115 VDC at the related BALLAST UNIT connector A/C (Ref. ASM 33-34/01).
- (a) If there is approx. 115 VAC:
- replace the related BALLAST UNIT (Ref. AMM TASK 33-34-11-000-001) and (Ref. AMM TASK 33-34-11-400-001).
- (b) If there is no 115 VAC:
- do a check of the FWD CARGO COMPT SW 6LU and replace it if necessary.

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- (3) If the fault continues:
  - do a check and repair the wiring between the related BALLAST UNIT connector A/C and CB 1LU (Ref. ASM 33-34/01).
- B. If the operational test shows that no lights in the AFT Cargo Compartment come on:
  - replace a fluorescent tube.
- (1) If the fluorescent tube comes on:
  - replace all the fluorescent tubes.
- (2) If the fault continues:
  - do a check for 115 VDC at the related BALLAST UNIT connector A/C (Ref. ASM 33-34/01).
- (a) If there is approx. 115 VAC:
  - replace the related BALLAST UNIT (Ref. AMM TASK 33-34-11-000-001) and (Ref. AMM TASK 33-34-11-400-001).
- (b) If there is no 115 VAC:
  - do a check of the AFT CARGO COMPT SW 8LU and replace it if necessary.
- (3) If the fault continues:
  - do a check and repair the wiring between the related BALLAST UNIT connector A/C and CB 2LU (Ref. ASM 33-34/01).
- C. If the operational test shows that no lights in the AFT Cargo Compartment come on:
  - replace a fluorescent tube.
- (1) If the fluorescent tube comes on:
  - replace all the fluorescent tubes.
- (2) If the fault continues:
  - do a check for 115 VDC at the related BALLAST UNIT connector A/C (Ref. ASM 33-34/01).
- (a) If there is approx. 115 VDC:
  - replace the related BALLAST UNIT (Ref. AMM TASK 33-34-11-000-001) and (Ref. AMM TASK 33-34-11-400-001).
- (b) If there is no 115 VDC:
  - do a check of the AFT CARGO COMPT SW 8LU and replace it if necessary.
- (c) If the fault continues:
  - do a check of the AFT CARGO COMPT SW 18LU and replace it if necessary.

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(3) If the fault continues:

- do a check and repair the wiring between the related BALLAST UNIT connector A/C and CB 2LU (Ref. ASM 33-34/01).

D. Do the test as given in the Para. 3.A .

### 5. Close-up

A. Put the aircraft back to its initial configuration.

EFF :     ALL

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### **TASK 33-34-00-810-803**

Cargo Comp. Lighting - Light in the FWD or AFT Loading Area does not come on

#### **1. Possible Causes**

- lamp
- R - forward loading area light 11LU
- R - forward loading area switch 7LU
- R
- wiring
- R - aft loading area light 12LU
- R - aft loading area switch 9LU
- R

#### **2. Job Set-up Information**

##### **A. Referenced Information**

REFERENCE	DESIGNATION
AMM 33-34-00-710-001	Operational Test of the FWD and AFT Cargo Compartment Lighting
ASM 33-34/01	

#### **3. Fault Confirmation**

- A. Do the operational test of the FWD and AFT Cargo-Compartment Lighting (Ref. AMM TASK 33-34-00-710-001).

#### **4. Fault Isolation**

- R A. If the operational test shows that the forward Loading Area Light does  
R not come on:  
- replace the lamp.
- (1) If the fault continues:  
- do a check for 28 VDC at the lamp (Ref. ASM 33-34/01).
- (a) If there is approx. 28 VDC:  
R - replace the forward loading area light 11LU.
- (b) If there is no 28 VDC:  
R - do a check of the forward loading area switch 7LU and replace  
R it, if necessary.
- (2) If the fault continues:  
R - do a check and repair the wiring between the forward loading area  
R light 11LU and CB 3LU (Ref. ASM 33-34/01).

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R B. If the operational test shows that the aft Loading Area Light does not  
R come on:  
R - replace the lamp.

(1) If the fault continues:  
- do a check for 28 VDC at the lamp (Ref. ASM 33-34/01).

R (a) If there is approx. 28 VDC:  
- replace the aft loading area light 12LU.

R (b) If there is no 28 VDC:  
R - do a check of the aft loading area switch 9LU and replace it,  
if necessary.

R (2) If the fault continues:  
R - do a check of the wiring between the aft loading area light 12LU  
and CB 3LU (Ref. ASM 33-34/01).

C. Do the test as given in the Para. 3.A .

### 5. Close-up

A. Put the aircraft back to its initial configuration.

EFF : ALL

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#### **TASK 33-35-00-810-801**

Failure of One Lamp in an Avionics-Compartment Dome Light

##### **1. Possible Causes**

- LT-DOME, AVIONICS COMPT LAT R (8LS)
- LT-DOME, AVIONICS COMPT LAT L (22LS)
- LT-DOME, AVIONICS COMPT FWD OR AFT (6LS or 7LS or 9LS or 10LS)
- wiring
- RELAY-PWR SPLY, AVIONICS COMPT FWD R LT CTL (25LS)
- RELAY-PWR SPLY, AVIONICS COMPT AFT L LT CTL (24LS)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

-----	
REFERENCE	DESIGNATION
-----	
IPC 333508	
R AMM 33-35-00-720-001	Functional Test of the Avionics-Compartment Lighting
R AMM 33-35-11-000-002	Removal of the Avionics-Compartment Dome Lights (6LS, 7LS, 8LS, 9LS, 10LS, 22LS)
R AMM 33-35-11-400-002	Installation of the Avionics-Compartment Dome Lights (6LS, 7LS, 8LS, 9LS, 10LS, 22LS)
R ASM 33-35/01	

##### **3. Fault Confirmation**

###### **A. Test**

Do the functional test of the equipment compartment lighting (Ref. AMM TASK 33-35-00-720-001).

##### **4. Fault Isolation**

A. If, during the functional test, when you push the avionics-compartment light pushbutton-switch 23LS:

- (1) One lamp of the forward or aft avionics-compartment dome-light does not operate correctly:
- remove the defective lamp in the LT-DOME, AVIONICS COMPT FWD OR AFT (6LS or 7LS or 9LS or 10LS) (Ref. AMM TASK 33-35-11-000-002)
  - make sure that there is a voltage at the lamp socket.
- (a) If there is a voltage:
- replace the defective lamp (Ref. AMM TASK 33-35-11-400-002).

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- (b) If there is no voltage:  
- do a check and repair the wiring of the related light (Ref. ASM 33-35/01).

- R  
R  
(2) The lateral right dome-light of the avionics-compartment does not operate correctly:  
- remove the LT-DOME, AVIONICS COMPT LAT R (8LS) (Ref. AMM TASK 33-35-11-000-002)  
- make sure that there is a voltage at the lamp socket.

- R  
R  
(a) If there is a voltage:  
- replace the defective dome-light lamp (8LS) (Ref. AMM TASK 33-35-11-400-002).

- (b) If there is no voltage:  
- replace the RELAY-PWR SPLY, AVIONICS COMPT FWD R LT CTL (25LS) (Ref. IPC 333508).

- 1 If the fault continues:  
- do a check for continuity between the pins A2 and B2 of the power supply relay (25LS).

- a If there is no continuity:  
- repair the wiring between the pin A2 of the power supply relay (25LS) and the first terminal block (Ref. ASM 33-35/01).

- b If there is continuity:  
- repair the wiring between the power supply relay (25LS) and the lateral right dome light (8LS) (Ref. ASM 33-35/01).

- R  
R  
(3) The lamp of the lateral left avionics-compartment dome-light does not operate correctly:  
- remove the LT-DOME, AVIONICS COMPT LAT L (22LS) (Ref. AMM TASK 33-35-11-000-002)  
- make sure that there is a voltage at the lamp socket.

- R  
R  
(a) If there is a voltage:  
- replace the defective dome-light lamp (22LS) (Ref. AMM TASK 33-35-11-400-002).

- (b) If there is no voltage:  
- replace the RELAY-PWR SPLY, AVIONICS COMPT AFT L LT CTL (24LS) (Ref. IPC 333508).

- 1 If the fault continues:  
- do a check for continuity between the pins A2 and B2 of the power supply relay (24LS).

EFF : ALL

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- a If there is no continuity:
  - repair the wiring between the pin A2 of the power supply relay (24LS) and the first terminal block (Ref. ASM 33-35/01).
- b If there is continuity:
  - repair the wiring between the power supply relay (24LS) and the lateral left dome light (22LS) (Ref. ASM 33-35/01).

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

EFF :     ALL

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### **TASK 33-35-00-810-802**

#### **Failure of the Avionics Compartment Dome Lights**

##### **1. Possible Causes**

- P/BSW-AVIONICS COMPT LT (23LS)
- wiring
- C/B - LIGHTING/AVNCS COMPT/DOME (1LS)
- C/B-LIGHTING/AVNCS COMPT/DOME (1LS)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

###### **REFERENCE**

###### **DESIGNATION**

---

IPC 333508  
R AMM 33-35-00-720-001      Functional Test of the Avionics-Compartment Lighting  
ASM 33-35/01

##### **3. Fault Confirmation**

###### **A. Test**

Do the functional test of the equipment compartment lighting (Ref. AMM TASK 33-35-00-720-001).

##### **4. Fault Isolation**

A. If, during the functional test, when you push the avionics-compartment light pushbutton-switch (23LS), the integral lighting system is inoperative:

- do a check of the circuit breaker (1LS) status:

(1) If the circuit breaker is closed:

- do a check for 28VDC at pins A/B3, C3 of the pushbutton switch (23LS) (Ref. ASM 33-35/01).

(a) If there is 28VDC:

- replace the P/BSW-AVIONICS COMPT LT (23LS) (Ref. IPC 333508).

1 If the fault continues:

- do a check and repair the wiring between the pins A/A2, B2 of the power supply relays (24LS) and (25LS) and the circuit breaker (1LS).

(b) If there is no 28VDC:

- do a check for 28VDC at pins A/A2, B2 of the power supply relays (24LS) and (25LS).

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- 1 If there is 28VDC:
    - do a check and repair the wiring between the pins A/B3, C3 and the circuit breaker (1LS).
  - 2 If there is no 28VDC:
    - replace the C/B - LIGHTING/AVNCS COMPT/DOME (1LS)
- (2) If the circuit breaker is open:
  - close the circuit breaker (1LS).
- (a) If the circuit breaker trips:
  - replace the P/BSW-AVIONICS COMPT LT (23LS) (Ref. IPC 333508).
- 1 If the fault continues:
    - do a check for a short to ground at the wiring between the circuit breaker (1LS) and the avionics-compartment dome lights (Ref. ASM 33-35/01).
  - a If there is a short to ground:
    - repair the related wiring.
  - b If there is no short to ground:
    - replace the C/B-LIGHTING/AVNCS COMPT/DOME (1LS).
- B. Do the test given in Para. 3.**

### **TASK 33-35-00-810-803**

Failure of the Aft-Left Lateral Dome Light in the Avionics Compartment

#### **1. Possible Causes**

- P/BSW-AVIONICS COMPT LT (23LS)
- RELAY-PWR SPLY, AVIONICS COMPT AFT L LT CTL (24LS)
- wiring

#### **2. Job Set-up Information**

##### **A. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

IPC 333508  
R AMM 33-35-00-720-001 Functional Test of the Avionics-Compartment Lighting  
ASM 33-35/01

#### **3. Fault Confirmation**

##### **A. Test**

Do the functional test of the equipment compartment lighting (Ref. AMM TASK 33-35-00-720-001).

#### **4. Fault Isolation**

- A. If during the functional test when you push the AVIONICS COMPT LT pushbutton-switch (23LS) the aft-left lateral dome-light in the avionics compartment does not operate correctly:
- remove the P/BSW-AVIONICS COMPT LT (23LS) (Ref. IPC 333508).

(1) If the fault continues:

- remove the RELAY-PWR SPLY, AVIONICS COMPT AFT L LT CTL (24LS) (Ref. IPC 333508).

(a) If the fault continues:

- do a check and repair the wiring between the pushbutton switch (23LS) pin A/C2 and the pin A/X1 of the power supply relay (24LS) (Ref. ASM 33-35/01).

B. Do the test given in Para. 3.

EFF : ALL

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### **TASK 33-35-00-810-804**

Failure of the Forward-Right Lateral Dome-Light in the Avionics Compartment

#### **1. Possible Causes**

- P/BSW-AVIONICS COMPT LT (23LS)
- RELAY-PWR SPLY, AVIONICS COMPT FWD R LT CTL (25LS)
- wiring

#### **2. Job Set-up Information**

##### **A. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

IPC	333508	
R AMM	33-35-00-720-001	Functional Test of the Avionics-Compartment Lighting
ASM	33-35/01	

#### **3. Fault Confirmation**

##### **A. Test**

Do the functional test of the equipment compartment lighting (Ref. AMM TASK 33-35-00-720-001).

#### **4. Fault Isolation**

- A. If during the functional test when you push the AVIONICS COMPT LT pushbutton-switch (23LS), the forward-right lateral dome-light in the avionics compartment does not operate correctly:**
- remove the P/BSW-AVIONICS COMPT LT (23LS) (Ref. IPC 333508).

**(1) If the fault continues:**

- remove the RELAY-PWR SPLY, AVIONICS COMPT FWD R LT CTL (25LS) (Ref. IPC 333508).

**(a) If the fault continues:**

- do a check and repair the wiring between the pushbutton switch (23LS) pin A/C2 and the pin A/X1 of the power supply relay (25LS) (Ref. ASM 33-35/01).

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

EFF : ALL

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### **TASK 33-35-00-810-805**

#### **Failure of the Forward Avionics-Compartment Dome-Light**

##### **1. Possible Causes**

- RELAY-PWR SPLY, AVIONICS COMPT FWD R LT CTL (25LS)
- wiring

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

###### **REFERENCE**

###### **DESIGNATION**

---

IPC 333508  
R AMM 33-35-00-720-001      Functional Test of the Avionics-Compartment Lighting  
ASM 33-35/01

##### **3. Fault Confirmation**

###### **A. Test**

Do the functional test of the equipment compartment lighting (Ref. AMM TASK 33-35-00-720-001).

##### **4. Fault Isolation**

A. If during the functional test when you push the AVIONICS COMPT LT pushbutton-switch, the forward dome light in the avionics compartment does not operate correctly:

- remove the RELAY-PWR SPLY, AVIONICS COMPT FWD R LT CTL (25LS) (Ref. IPC 333508).

(1) If the fault continues:

- do a check for a voltage at pin A/B2 of the power supply relay (25LS).

(a) If there is a voltage:

- do a check and repair the wiring from the power supply relay (25LS) pin A/B3 to the first terminal block (Ref. ASM 33-35/01).

(b) If there is no voltage:

- do a check and repair the wiring from the power supply relay (25LS) pin A/B2 to the first terminal block (Ref. ASM 33-35/01).

B. Do the test given in Para. 3.

EFF :      ALL

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**TASK 33-35-00-810-806****Failure of the Avionics Compartment Aft Dome Light****1. Possible Causes**

- RELAY-PWR SPLY, AVIONICS COMPT AFT L LT CTL (24LS)
- wiring

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

---

**REFERENCE****DESIGNATION**

---

IPC 333508  
R AMM 33-35-00-720-001 Functional Test of the Avionics-Compartment Lighting  
ASM 33-35/01

**3. Fault Confirmation****A. Test**

Do the functional test of the equipment compartment lighting (Ref. AMM TASK 33-35-00-720-001).

**4. Fault Isolation**

- A. If during the functional test when you push the avionics-compartment light pushbutton-switch, the aft dome light in the avionics compartment does not operate correctly:
- remove the RELAY-PWR SPLY, AVIONICS COMPT AFT L LT CTL (24LS) (Ref. IPC 333508).

(1) If the fault continues:

- do a check for a voltage at pin A/B2 of the power supply relay (24LS).

(a) If there is a voltage:

- do a check and repair the wiring from the power supply relay (24LS) pin A/B3 to the first terminal block (Ref. ASM 33-35/01).

(b) If there is no voltage:

- do a check and repair the wiring from the power supply relay (24LS) pin A/B2 to the first terminal block (Ref. ASM 33-35/01).

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

EFF : ALL

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#### **TASK 33-37-00-810-801**

Wheel Well Lights - One or Two Wheel Well Lights do not come on

##### **1. Possible Causes**

- lamp
- wiring
- WHEEL WELL LIGHT (7LL)
- WHEEL WELL LIGHT (8LL)
- SWITCH (12LL)
- lamps

##### **2. Job Set-up Information**

###### **A. Referenced Information**

REFERENCE	DESIGNATION
AMM 33-37-00-710-001	Operational Test of the Wheel Well Lighting
AMM 33-37-11-000-001	Removal of the MLG Dome Light (HELLA)
AMM 33-37-11-000-002	Removal of the Lamp(s) of the MLG Dome Light (AIRSIGNA)
AMM 33-37-11-000-003	Removal of the MLG Dome Light (AIRSIGNA)
AMM 33-37-11-400-001	Installation of the MLG Dome Light (HELLA)
AMM 33-37-11-400-002	Installation of the Lamp(s) of the MLG Dome Light (AIRSIGNA)
AMM 33-37-11-400-003	Installation of the MLG Dome Light (AIRSIGNA)
ASM 33-37/01	

##### **3. Fault Confirmation**

- A. Do the operational test of the wheel well lighting (Ref. AMM TASK 33-37-00-710-001).

EFF : ALL

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### **4. Fault Isolation**

R **\*\*ON A/C 201-225, 227-227, 229-299, 426-452, 476-499, 503-549, 551-599,**  
R **701-749,**

A. If the operational test confirms the fault in one light:  
- replace the lamp.

(1) If the fault continues:

- do a check for 28VDC at the related WHEEL WELL LIGHT pin 1 (Ref. ASM 33-37/01).

(a) If there is approx. 28VDC:

- replace the related WHEEL WELL LIGHT (Ref. AMM TASK 33-37-11-000-001) and (Ref. AMM TASK 33-37-11-400-001).

(b) If there is no 28VDC:

- do a check and repair the wiring between:  
SWITCH (12LL) pin 1 and the related WHEEL WELL LIGHT pin 1  
(Ref. ASM 33-37/01).

(2) If the fault continues:

- do a check and repair the wiring between:  
GND and the related WHEEL WELL LIGHT pin 2 (Ref. ASM 33-37/01).

B. If the operational test confirms the fault in two lights:  
- replace the two lamps.

(1) If the fault continues:

- do a check for 28VDC at the two WHEEL WELL LIGHTS, pins 1 (Ref. ASM 33-37/01).

(a) If there is approx. 28VDC:

- replace the WHEEL WELL LIGHT (7LL) and the WHEEL WELL LIGHT (8LL) (Ref. AMM TASK 33-37-11-000-001) and (Ref. AMM TASK 33-37-11-400-001).

(b) If there is no 28VDC:

- do a check of the SWITCH (12LL) and replace it if necessary.

(2) If the fault continues:

- do a check and repair the wiring between:  
SWITCH (12LL) pin 2 and C/B (2LL),  
SWITCH (12LL) pin 1 and WHEEL WELL LIGHT (7LL) pin 1,  
SWITCH (12LL) pin 1 and WHEEL WELL LIGHT (8LL) pin 1,  
WHEEL WELL LIGHT (8LL) pin 2 and GND,  
WHEEL WELL LIGHT (7LL) pin 2 and GND (Ref. ASM 33-37/01).

EFF : ALL

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R **\*\*ON A/C 453-475,**

R A. If the operational test confirms the fault in one light:  
R - replace the lamps (Ref. AMM TASK 33-37-11-000-002) and (Ref. AMM TASK  
R 33-37-11-400-002).

R (1) If the fault continues:  
R - do a check for 28VDC at the related WHEEL WELL LIGHT pin A/A (Ref.  
R ASM 33-37/01).

R (a) If there is approx. 28VDC:  
R - replace the related WHEEL WELL LIGHT (Ref. AMM TASK 33-37-11-  
R 000-003) and (Ref. AMM TASK 33-37-11-400-003).

R (b) If there is no 28VDC:  
R - do a check and repair the wiring between:  
R SWITCH (12LL) pin 1 and the related WHEEL WELL LIGHT pin A/A  
R (Ref. ASM 33-37/01).

R (2) If the fault continues:  
R - do a check and repair the wiring between:  
R GND and the related WHEEL WELL LIGHT pin A/B (Ref. ASM 33-37/01).

R B. If the operational test confirms the fault in two lights:  
R - replace all lamps (Ref. AMM TASK 33-37-11-000-002) and (Ref. AMM TASK  
R 33-37-11-400-002).

R (1) If the fault continues:  
R - do a check for 28VDC at the two WHEEL WELL LIGHTS, pins A/A (Ref.  
R ASM 33-37/01).

R (a) If there is approx. 28VDC:  
R - replace the WHEEL WELL LIGHT (7LL) and the WHEEL WELL LIGHT  
R (8LL) (Ref. AMM TASK 33-37-11-000-003) and (Ref. AMM TASK 33-  
R 37-11-400-003).

R (b) If there is no 28VDC:  
R - do a check of the SWITCH (12LL) and replace it if necessary.

R (2) If the fault continues:  
R - do a check and repair the wiring between:  
R SWITCH (12LL) pin 2 and C/B (2LL),  
R SWITCH (12LL) pin 1 and WHEEL WELL LIGHT (7LL) pin A/A,  
R SWITCH (12LL) pin 1 and WHEEL WELL LIGHT (8LL) pin A/A,  
R GND and WHEEL WELL LIGHT (8LL) pin A/B,  
R GND and WHEEL WELL LIGHT (7LL) pin A/B (Ref. ASM 33-37/01).

R **\*\*ON A/C ALL**

C. Do the test as given in the Para. 3. A.

EFF : ALL

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**5. Close-up**

- A. Put the aircraft back to its initial configuration.

R

EFF : ALL

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### **TASK 33-37-00-810-802**

**Sockets - No 28 VDC at the Sockets in Nosewheel Well and Hydraulic Comptartment**

#### **1. Possible Causes**

- **MAINTENANCE SOCKET (3LL)**
- **MAINTENANCE SOCKET (4LL)**
- **wiring**

#### **2. Job Set-up Information**

**A. Referenced Information**

-----  
**REFERENCE**

**DESIGNATION**  
-----

**ASM 33-37/01**

#### **3. Fault Confirmation**

**A. Use a voltmeter to confirm that there is no voltage at the maintenance socket.**

#### **4. Fault Isolation**

**A. If the test confirms the fault:**  
- **replace the related MAINTENANCE SOCKET (3LL) or MAINTENANCE SOCKET (4LL).**

- (1) If the fault continues:**
- **do a check and repair the wiring between:**  
**MAINTENANCE SOCKET (3LL) pin + and CB (1LL),**  
**MAINTENANCE SOCKET (3LL) pin N and GND,**  
**MAINTENANCE SOCKET (4LL) pin + and CB (1LL),**  
**MAINTENANCE SOCKET (4LL) pin N and GND (Ref. ASM 33-37/01).**

**B. Do the test as given in the Para. 3. A.**

#### **5. Close-up**

**A. Put the aircraft back to its initial configuration.**

**EFF : ALL**

**SR0S**

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**TASK 33-37-00-810-803**

Hydraulic Compt. Lights - One or Two Hydraulic Compartment Lights do not come on

**1. Possible Causes**

- lamp
- wiring
- HYD COMPT LIGHT (9LL)
- HYD COMPT LIGHT (10LL)
- SWITCH (12LL)
- lamps

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

---

**REFERENCE****DESIGNATION**

---

AMM 33-37-00-710-001	Operational Test of the Wheel Well Lighting
AMM 33-37-11-000-001	Removal of the MLG Dome Light (HELLA)
AMM 33-37-11-000-002	Removal of the Lamp(s) of the MLG Dome Light (AIRSIGNA)
AMM 33-37-11-000-003	Removal of the MLG Dome Light (AIRSIGNA)
AMM 33-37-11-400-001	Installation of the MLG Dome Light (HELLA)
AMM 33-37-11-400-002	Installation of the Lamp(s) of the MLG Dome Light (AIRSIGNA)
AMM 33-37-11-400-003	Installation of the MLG Dome Light (AIRSIGNA)
ASM 33-37/01	

**3. Fault Confirmation**

- R \*\*ON A/C 202-202, 205-205, 227-227, 229-233, 245-253, 276-277, 279-282,  
R 284-285, 426-499, 503-549, 551-599,  
Post SB 33-1044 For A/C 451-452,

- A. Do the operational test of the hydraulic compartment lighting (Ref. AMM TASK 33-37-00-710-001).

EFF : ALL

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**\*\*ON A/C ALL**

### **4. Fault Isolation**

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

**A. If the operational test confirms the fault in one light:**  
- replace the lamp.

**(1) If the fault continues:**

- do a check for 28VDC at the related HYD COMPT LIGHT pin 1 (Ref. ASM 33-37/01).

**(a) If there is approx. 28VDC:**

- replace the related HYD COMPT LIGHT (Ref. AMM TASK 33-37-11-000-001) and (Ref. AMM TASK 33-37-11-400-001).

**(b) If there is no 28VDC:**

- do a check and repair the wiring between:  
SWITCH (12LL) pin 4 and the related HYD COMPT LIGHT pin 1 (Ref. ASM 33-37/01).

**(2) If the fault continues:**

- do a check and repair the wiring between:  
GND and the related HYD COMPT LIGHT pin 2 (Ref. ASM 33-37/01).

**B. If the operational test confirms the fault in two lights:**  
- replace the two lamps.

**(1) If the fault continues:**

- do a check for 28VDC at the two HYD COMPT LIGHTS, pins 1 (Ref. ASM 33-37/01).

**(a) If there is approx. 28VDC:**

- replace the HYD COMPT LIGHT (9LL) and the HYD COMPT LIGHT (10LL) (Ref. AMM TASK 33-37-11-000-001) and (Ref. AMM TASK 33-37-11-400-001).

**(b) If there is no 28VDC:**

- do a check of the SWITCH (12LL) and replace it if necessary.

**(2) If the fault continues:**

- do a check and repair the wiring between:  
SWITCH (12LL) pin 5 and C/B (2LL),  
SWITCH (12LL) pin 4 and HYD COMPT LIGHT (9LL) pin 1,  
SWITCH (12LL) pin 4 and HYD COMPT LIGHT (10LL) pin 1,  
HYD COMPT LIGHT (10LL) pin 2 and GND,  
HYD COMPT LIGHT (9LL) pin 2 and GND (Ref. ASM 33-37/01).

**EFF : ALL**

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R **\*\*ON A/C 202-202, 205-205, 227-227, 229-233, 245-253, 276-277, 279-282,**  
R **284-285, 426-499, 503-549, 551-599,**  
R **Post SB 33-1044 For A/C 202-202,205-205,227-227,229-233,245-253,276-277,**  
R **279-282,284-285,426-452,476-499,503-549,551-599,**  
R **Post SB 92-1032 For A/C 202-202,205-205,227-227,229-233,245-253,276-277,**  
R **279-282,284-285,426-450,476-499,503-549,551-599,**

A. If the operational test confirms the fault in one light:

- replace the lamps (Ref. AMM TASK 33-37-11-000-002) and (Ref. AMM TASK 33-37-11-400-002).

(1) If the fault continues:

- do a check for 28VDC at the related HYD COMPT LIGHT pin A/A (Ref. ASM 33-37/01).

(a) If there is approx. 28VDC:

- replace the related HYD COMPT LIGHT (Ref. AMM TASK 33-37-11-000-003) and (Ref. AMM TASK 33-37-11-400-003).

(b) If there is no 28VDC:

- do a check and repair the wiring between:  
SWITCH (12LL) pin 4 and the related HYD COMPT LIGHT pin A/A  
(Ref. ASM 33-37/01).

(2) If the fault continues:

- do a check and repair the wiring between:  
GND and the related HYD COMPT LIGHT pin A/B (Ref. ASM 33-37/01).

B. If the operational test confirms the fault in two lights:

- replace all lamps (Ref. AMM TASK 33-37-11-000-002) and (Ref. AMM TASK 33-37-11-400-002).

(1) If the fault continues:

- do a check for 28VDC at the two HYD COMPT LIGHTS, pins A/A (Ref. ASM 33-37/01).

(a) If there is approx. 28VDC:

- replace the HYD COMPT LIGHT (9LL) and the HYD COMPT LIGHT (10LL) (Ref. AMM TASK 33-37-11-000-003) and (Ref. AMM TASK 33-37-11-400-003).

(b) If there is no 28VDC:

- do a check of the SWITCH (12LL) and replace it if necessary.

(2) If the fault continues:

- do a check and repair the wiring between:  
SWITCH (12LL) pin 5 and C/B (2LL),  
SWITCH (12LL) pin 4 and HYD COMPT LIGHT (9LL) pin A/A,  
SWITCH (12LL) pin 4 and HYD COMPT LIGHT (10LL) pin A/A,  
GND and HYD COMPT LIGHT (10LL) pin A/B,  
GND and HYD COMPT LIGHT (9LL) pin A/B (Ref. ASM 33-37/01).

R EFF : 202-202, 205-205, 227-227, 229-233,  
245-253, 276-277, 279-282, 284-285, 426-499,  
503-549, 551-599,  
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R \*\*ON A/C 202-202, 205-205, 227-227, 229-233, 245-253, 276-277, 279-282,  
R 284-285, 426-499, 503-549, 551-599,  
Post SB 33-1044 For A/C 451-452,

C. Do the test as given in the Para. 3. A.

**\*\*ON A/C ALL**

### 5. Close-up

R \*\*ON A/C 202-202, 205-205, 227-227, 229-233, 245-253, 276-277, 279-282,  
R 284-285, 426-499, 503-549, 551-599,  
Post SB 33-1044 For A/C 451-452,

A. Put the aircraft back to its initial configuration.

EFF : ALL

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#### **TASK 33-41-00-810-801**

#### **Navigation Lights - Fault in the Navigation Lights**

##### **1. Possible Causes**

- LT-NAVIGATION, TAIL (15LA)
- XFMR-TAIL NAVIGATION LIGHT (13LA)
- LT-NAVIGATION, L WING TIP (9LA)
- LT-NAVIGATION, R WING TIP (10LA)
- lamp
- wiring
- RELAY (6LA)
- RELAY (7LA)
- SWITCH (3LA)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

REFERENCE	DESIGNATION
AMM 33-41-00-710-001	Operational Test of the Navigation Lights
AMM 33-41-11-000-001	Removal of the Wingtip Navigation Light 9LA(10LA).
AMM 33-41-11-400-001	Installation of the Wingtip Navigation Light 9LA(10LA).
AMM 33-41-15-000-001	Removal of the Tail Navigation Light 15LA
AMM 33-41-15-400-001	Installation of the Tail Navigation Light 15LA
AMM 33-41-16-000-001	Removal of the Tail Navigation-Light Transformer 13LA
AMM 33-41-16-400-001	Installation of the Tail Navigation-Light Transformer 13LA
ASM 33-41/01	

##### **3. Fault Confirmation**

- A. Do the operational test of the navigation lights (Ref. AMM TASK 33-41-00-710-001).

EFF : ALL

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**4. Fault Isolation**

**A. With the toggle switch NAV & LOGO 3LA in position 1.**

- (1) If the LT-NAVIGATION, TAIL (15LA) does not come on, but one or more navigation lights come on:**  
- replace the related lamp.
- (a) If the fault continues:**  
- do a check of the LT-NAVIGATION, TAIL (15LA) and replace it if necessary (Ref. AMM TASK 33-41-15-000-001) and (Ref. AMM TASK 33-41-15-400-001).
- (b) If the fault continues:**  
- do a check of the XFMR-TAIL NAVIGATION LIGHT (13LA) and replace it if necessary (Ref. AMM TASK 33-41-16-000-001) and (Ref. AMM TASK 33-41-16-400-001).
- (c) If the fault continues:**  
- do a check and repair the wiring between:  
LT-NAVIGATION, TAIL (15LA) connector A/1 and XFMR-TAIL NAVIGATION LIGHT (13LA) connector A/1,  
XFMR-TAIL NAVIGATION LIGHT (13LA) connector A/1 and RELAY (6LA) connector A/1,  
LT-NAVIGATION, TAIL (15LA) connector A/2 and XFMR-TAIL NAVIGATION LIGHT (13LA) connector A/2,  
XFMR-TAIL NAVIGATION LIGHT (13LA) connector A/2 and GND (Ref. ASM 33-41/01).
- (2) If the LT-NAVIGATION, L WING TIP (9LA) does not come on, but one or more navigation lights come on:**  
- replace the related lamp.
- (a) If the fault continues:**  
- do a check of the LT-NAVIGATION, L WING TIP (9LA) and replace it if necessary (Ref. AMM TASK 33-41-11-000-001) and (Ref. AMM TASK 33-41-11-400-001).
- (b) If the fault continues:**  
- do a check and repair the wiring between:  
LT-NAVIGATION, L WING TIP (9LA) connector A/A and RELAY (6LA) connector A/1  
LT-NAVIGATION, L WING TIP (9LA) connector A/B and GND (Ref. ASM 33-41/01).

EFF : ALL

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- (3) If the LT-NAVIGATION, R WING TIP (10LA) does not come on, but one or more navigation lights come on:  
- replace the related lamp.

- (a) If the fault continues:  
- do a check of the LT-NAVIGATION, R WING TIP (10LA) and replace it if necessary (Ref. AMM TASK 33-41-11-000-001) and (Ref. AMM TASK 33-41-11-400-001).

- (b) If the fault continues:  
- do a check and repair the wiring between:  
LT-NAVIGATION, R WING TIP (10LA) connector A/A and RELAY (6LA) connector B/1,  
LT-NAVIGATION, R WING TIP (10LA) connector A/B and GND (Ref. ASM 33-41/01).

- (4) If no navigation lights come on:  
- do a check of the RELAY 6LA and replace it if necessary.

- (a) If the fault continues:  
- do a check of the SWITCH 3LA and replace it if necessary.

- (b) If the fault continues:  
- do a check and repair the wiring between:  
RELAY (6LA) connector A/2 and CB 1LA,  
RELAY (6LA) connector B/2 and CB 1LA,  
RELAY (6LA) connector X/1 and CB 1LA,  
RELAY (6LA) connector X/2 and GND (Ref. ASM 33-41/01).

**B. With the toggle switch NAV & LOGO 3LA in position 2.**

- (1) If the LT-NAVIGATION, TAIL (15LA) does not come on, but one or more navigation lights come on:  
- replace the related lamp.

- (a) If the fault continues:  
- do a check of the LT-NAVIGATION, TAIL (15LA) and replace it if necessary (Ref. AMM TASK 33-41-15-000-001) and (Ref. AMM TASK 33-41-15-400-001).

- (b) If the fault continues:  
- do a check of the XFMR-TAIL NAVIGATION LIGHT (13LA) and replace it if necessary (Ref. AMM TASK 33-41-16-000-001) and (Ref. AMM TASK 33-41-16-400-001).

- (c) If the fault continues:  
- do a check and repair the wiring between:  
LT-NAVIGATION, TAIL (15LA) connector A/4 and XFMR-TAIL NAVIGATION LIGHT (13LA) connector A/4,  
XFMR-TAIL NAVIGATION LIGHT (13LA) connector A/4 and RELAY (7LA) connector B/1,

EFF : ALL

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LT-NAVIGATION, TAIL (15LA) connector A/5 and XFMR-TAIL  
NAVIGATION LIGHT (13LA) connector A/5,  
XFMR-TAIL NAVIGATION LIGHT (13LA) connector A/5 and GND (Ref.  
ASM 33-41/01).

- (2) If the LT-NAVIGATION, L WING TIP (9LA) does not come on, but one or more navigation lights come on:
- replace the related lamp.
- (a) If the fault continues:
- do a check of the LT-NAVIGATION, L WING TIP (9LA) and replace it if necessary (Ref. AMM TASK 33-41-11-000-001) and (Ref. AMM TASK 33-41-11-400-001).
- (b) If the fault continues:
- do a check and repair the wiring between:  
LT-NAVIGATION, L WING TIP (9LA) connector A/D and RELAY (7LA) connector B/1  
LT-NAVIGATION, L WING TIP (9LA) connector A/E and GND (Ref. ASM 33-41/01).
- (3) If the LT-NAVIGATION, R WING TIP (10LA) does not come on, but one or more navigation lights come on:
- replace the related lamp.
- (a) If the fault continues:
- do a check of the LT-NAVIGATION, R WING TIP (10LA) and replace it if necessary (Ref. AMM TASK 33-41-11-000-001) and (Ref. AMM TASK 33-41-11-400-001).
- (b) If the fault continues:
- do a check and repair the wiring between:  
LT-NAVIGATION, R WING TIP (10LA) connector A/D and RELAY (7LA) connector A/1,  
LT-NAVIGATION, R WING TIP (10LA) connector A/E and GND (Ref. ASM 33-41/01).
- (4) If no navigation lights come on:
- do a check of the RELAY (7LA) and replace it if necessary.
- (a) If the fault continues:
- do a check of the SWITCH (3LA) and replace it if necessary.
- (b) If the fault continues:
- do a check and repair the wiring between:  
RELAY (7LA) connector A/2 and CB 2LA,  
RELAY (7LA) connector B/2 and CB 2LA,  
RELAY (7LA) connector X/1 and CB 2LA,  
RELAY (7LA) connector X/2 and GND (Ref. ASM 33-41/01).

C. Do the test as given in the Para.3.A.

EFF : ALL

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**5. Close-up**

- A. Put the aircraft back to its initial configuration.

EFF :     ALL

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#### **TASK 33-42-00-810-801**

Landing Lights - Landing Light 7LB (8LB) does not extend

##### **1. Possible Causes**

- LANDING LIGHT 7LB (8LB)
- wiring
- SWITCH-LAND/ON/OFF/RETRACT 5LB

##### **2. Job Set-up Information**

###### **A. Referenced Information**

###### **REFERENCE**

###### **DESIGNATION**

AMM 33-42-00-710-001	Operational Test of the Landing Lights
AMM 33-42-11-000-001	Removal of the Landing Light 7LB (8LB)
AMM 33-42-11-400-003	Installation of the Landing Light 7LB (8LB)
ASM 33-42/01	

##### **3. Fault Confirmation**

- A. Do the operational test of the landing lights (Ref. AMM TASK 33-42-00-710-001).

##### **4. Fault Isolation**

- A. If the test shows that the LANDING LIGHT 7LB (8LB) does not extend:
- do a check for 115 VAC at the LANDING LIGHT 7LB (8LB) connector A/A (Ref. ASM 33-42/01).
- (1) If there is 115 VAC:
- replace the LANDING LIGHT 7LB (8LB) (Ref. AMM TASK 33-42-11-000-001) and (Ref. AMM TASK 33-42-11-400-003).
- (2) If there is no 115 VAC:
- do a check and repair the wiring if necessary between:  
SWITCH-LAND/ON/OFF/RETRACT 5LB pin 8 and the related LANDING LIGHT conn. A/B,  
SWITCH-LAND/ON/OFF/RETRACT 5LB pin 2 or 4 and the related LANDING LIGHT conn. A/C,  
GND and the related LANDING LIGHT conn. A/K,  
SWITCH-LAND/ON/OFF/RETRACT 5LB pin 1 and CB 3LB (4LB),  
SWITCH-LAND/ON/OFF/RETRACT 5LB pin 5 and CB 3LB (4LB) (Ref. ASM 33-42/01).

EFF : ALL

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(3) If the fault continues:

- replace the SWITCH-LAND/ON/OFF/RETRACT 5LB (Panel 25VU).

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

5. Close-up

A. Put the aircraft back to its initial configuration.

EFF :     ALL

SR0S

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**TASK 33-42-00-810-802**

Landing Lights - Landing Light 7LB (8LB) extends but Light does not come on

**1. Possible Causes**

- lamp
- wiring

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

---

**REFERENCE****DESIGNATION**

---

AMM 33-42-00-710-001	Operational Test of the Landing Lights
AMM 33-42-11-000-002	Removal of the Landing Light Lamp
AMM 33-42-11-400-004	Installation of the Landing Light Lamp
ASM 33-42/01	

**3. Fault Confirmation**

- A. Do the operational test of the landing lights (Ref. AMM TASK 33-42-00-710-001).

**4. Fault Isolation**

- A. If the test shows that the LANDING LIGHT 7LB (8LB) extends but the light does not come on:
- do a check for 115 VAC at the LANDING LIGHT 7LB (8LB) connector A/L (Ref. ASM 33-42/01).

(1) If there is 115 VAC:

- replace the lamp (Ref. AMM TASK 33-42-11-000-002) and (Ref. AMM TASK 33-42-11-400-004).

(2) If there is no 115 VAC:

- do a check and repair the wiring between:  
CB 1LB (2LB) and the related LANDING LIGHT conn. A/L,  
GND and the related LANDING LIGHT conn. A/K (Ref. ASM 33-42/01).

- B. Do the test as given in the Para. 3. A.

**5. Close-up**

- A. Put the aircraft back to its initial configuration.

EFF : ALL

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**TASK 33-42-00-810-803**

Landing Lights - Landing Light 7LB (8LB) does not retract

**1. Possible Causes**

- LANDING LIGHT 7LB (8LB)
- wiring
- SWITCH-LAND/ON/OFF/RETRACT 5LB

**2. Job Set-up Information****A. Referenced Information****REFERENCE****DESIGNATION**

AMM 33-42-00-710-001	Operational Test of the Landing Lights
AMM 33-42-11-000-001	Removal of the Landing Light 7LB (8LB)
AMM 33-42-11-400-003	Installation of the Landing Light 7LB (8LB)
ASM 33-42/01	

**3. Fault Confirmation**

- A. Do the operational test of the landing lights (Ref. AMM TASK 33-42-00-710-001).

**4. Fault Isolation**

- A. If the test shows that the LANDING LIGHT 7LB (8LB) does not retract:
- do a check for 115 VAC at the LANDING LIGHT 7LB (8LB) connector A/B (Ref. ASM 33-42/01).
- (1) If there is 115 VAC:
- replace the LANDING LIGHT 7LB (8LB) (Ref. AMM TASK 33-42-11-000-001) and (Ref. AMM TASK 33-42-11-400-003).
- (2) If there is no 115 VAC:
- do a check and repair the wiring between:  
SWITCH-LAND/ON/OFF/RETRACT 5LB pin 6 and the related LANDING LIGHT conn. A/B,  
GND and the related LANDING LIGHT conn. A/K,  
SWITCH-LAND/ON/OFF/RETRACT 5LB pin 5 and the CB 3LB (4LB) (Ref. ASM 33-42/01).
- (3) If the fault continues:
- replace the SWITCH-LAND/ON/OFF/RETRACT 5LB (Panel 25VU).

- B. Do the test as given in the Para. 3. A.

EFF : ALL

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**5. Close-up**

- A. Put the aircraft back to its initial configuration.

EFF :     ALL

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TASK 33-42-00-810-804

Landing Lights - Landing Light 7LB (8LB) retracts but Light does not go off

**1. Possible Causes**

- LANDING LIGHT 7LB (8LB)

**2. Job Set-up Information**

- A. Referenced Information

---

**REFERENCE****DESIGNATION**

---

AMM 33-42-00-710-001	Operational Test of the Landing Lights
AMM 33-42-11-000-001	Removal of the Landing Light 7LB (8LB)
AMM 33-42-11-400-003	Installation of the Landing Light 7LB (8LB)
ASM 33-42/01	

**3. Fault Confirmation**

- A. Do the operational test of the landing lights (Ref. AMM TASK 33-42-00-710-001).

**4. Fault Isolation**

- A. If the test shows that the LANDING LIGHT 7LB (8LB) retracts but the light does not go off:
  - do a check for 115 VAC at the LANDING LIGHT 7LB (8LB) connector A/L and A/K (Ref. ASM 33-42/01).

- (1) If there is 115 VAC:
    - replace the LANDING LIGHT 7LB (8LB) (Ref. AMM TASK 33-42-11-000-001) and (Ref. AMM TASK 33-42-11-400-003).

- B. Do the test as given in the Para. 3. A.

**5. Close-up**

- A. Put the aircraft back to its initial configuration.

EFF : ALL

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#### **TASK 33-43-00-810-801**

Failure of the Right Runway Turn off Light

##### **1. Possible Causes**

- LT-RUNWAY TURNOFF, R (3LC2)
- wiring
- RELAY-PWR SPLY, RWY TURN OFF LT (6LC)
- C/B-LIGHTING/EXT LT/RWY TURN OFF/R (1LC2)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

IPC 334308

AMM 33-43-00-710-001

Operational Test of the Runway Turn off Lights

AMM 33-43-11-000-001

Removal of the LIGHT-RUNWAY TURN OFF

AMM 33-43-11-400-001

Installation of the LIGHT-RUNWAY TURN OFF

ASM 33-43/01

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the runway turn off lights (Ref. AMM TASK 33-43-00-710-001).

##### **4. Fault Isolation**

- A. If during the operational test when you set the EXT LT/RWY TURN OFF switch (2LC) to ON, the right turn off light does not operate correctly:
- do a check of the circuit breaker (1LC2) status.

(1) If the circuit breaker is closed:

- do a continuity check between the circuit breaker (1LC2) and the right runway turn off light (3LC2) pin A/A.

(a) If there is continuity:

- do a check for 115VAC between the pin A/A and A/B of the right runway turn off light (3LC2).

1 If there is 115VAC:

- replace the LT-RUNWAY TURNOFF, R (3LC2) (Ref. AMM TASK 33-43-11-000-001) and (Ref. AMM TASK 33-43-11-400-001),

EFF : ALL

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- 2 If there is no 115VAC:
  - do a check and repair the wiring from the right runway turn off light (3LC2) pin A/B to the ground terminal (Ref. ASM 33-43/01).
- (b) If there is no continuity:
  - replace the RELAY-PWR SPLY, RWY TURN OFF LT (6LC) (Ref. IPC 334308).
- 1 If the fault continues:
  - do a check for 115VAC at the power supply relay (6LC) pin A/A2.
- a If there is 115VAC:
  - repair the wiring between the power supply relay (6LC) pin A/A1 and the pin A/A of the right runway turn off light (3LC2) (Ref. ASM 33-43/01).
- b If there is no 115VAC:
  - replace the C/B-LIGHTING/EXT LT/RWY TURN OFF/R (1LC2)
    - . If the fault continues:
      - repair the wiring between the power supply relay (6LC) pin A/A2 and the circuit breaker (1LC2) (Ref. ASM 33-43/01).
- (2) If the circuit breaker is open:
  - close the circuit breaker.
- (a) If the circuit breaker trips:
  - replace the LT-RUNWAY TURNOFF, R (3LC2) (Ref. AMM TASK 33-43-11-000-001) and (Ref. AMM TASK 33-43-11-400-001).
- 1 If the fault continues:
  - do a check for a short to ground at the wiring between the right runway turn off light (3LC2) pin A/A and the circuit breaker (1LC2) (Ref. ASM 33-43/01).
- a If there is a short to ground:
  - repair the related wiring.
- b If there is no short to ground:
  - replace the circuit breaker (1LC2).

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

EFF : ALL

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### **TASK 33-43-00-810-802**

#### **Failure of the Left Runway Turn off Light**

##### **1. Possible Causes**

- LT-RUNWAY TURNOFF, L (3LC1)
- wiring
- RELAY-PWR SPLY, RWY TURN OFF LT (6LC)
- C/B-LIGHTING/EXT LT/RWY TURN OFF/L (1LC1)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

IPC 334308

AMM 33-43-00-710-001

Operational Test of the Runway Turn off Lights

AMM 33-43-11-000-001

Removal of the LIGHT-RUNWAY TURN OFF

AMM 33-43-11-400-001

Installation of the LIGHT-RUNWAY TURN OFF

ASM 33-43/01

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the runway turn off lights (Ref. AMM TASK 33-43-00-710-001).

##### **4. Fault Isolation**

- A. If during the operational test when you set the EXT LT/RWY TURN OFF switch (2LC) to ON, the left turn off light does not operate correctly:
- do a check of the circuit breaker (1LC1) status.

(1) If the circuit breaker is closed:

- do a check of continuity between the circuit breaker (1LC1) and the left runway turn off light (3LC1) pin A/A.

(a) If there is continuity:

- do a check for 115VAC between the pin A/A and A/B of the left runway turn off light (3LC1).

1 If there is 115VAC:

- replace the LT-RUNWAY TURNOFF, L (3LC1) (Ref. AMM TASK 33-43-11-000-001) and (Ref. AMM TASK 33-43-11-400-001).

EFF : ALL

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- 2 If there is no 115VAC:
  - do a check and repair the wiring from the left runway turn of light (3LC1) pin A/B to the ground terminal (Ref. ASM 33-43/01).
- (b) If there is no continuity:
  - replace the RELAY-PWR SPLY, RWY TURN OFF LT (6LC) (Ref. IPC 334308).
- 1 If the fault continues:
  - do a check for 115VAC at the power supply relay (6LC) pin A/B2.
- a If there is 115VAC:
  - repair the wiring between the power supply relay (6LC) pin A/B1 and the pin A/A of the left runway turn off light (3LC1) (Ref. ASM 33-43/01).
- b If there is no 115VAC:
  - replace the C/B-LIGHTING/EXT LT/RWY TURN OFF/L (1LC1)
    - . If the fault continues:
      - repair the wiring between the power supply relay (6LC) pin A/B2 and the circuit breaker (1LC1) (Ref. ASM 33-43/01).
- (2) If the circuit breaker is open:
  - close the circuit breaker.
- (a) If the circuit breaker trips:
  - replace the LT-RUNWAY TURNOFF, L (3LC1) (Ref. AMM TASK 33-43-11-000-001) and (Ref. AMM TASK 33-43-11-400-001).
- 1 If the fault continues:
  - do a check for a short to ground at the wiring between the left runway turn off light (3LC1) pin A/A and the circuit breaker (1LC1) (Ref. ASM 33-43/01).
- a If there is a short to ground:
  - repair the related wiring.
- b If there is no short to ground:
  - replace the circuit breaker (1LC1).

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

EFF : ALL

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### **TASK 33-43-00-810-803**

#### **Failure of Both Runway Turn off Lights**

##### **1. Possible Causes**

- RELAY-PWR SPLY, RWY TURN OFF LT (6LC)
- wiring
- SW-EXT LT/RWY TURN OFF (2LC)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

###### **REFERENCE**

###### **DESIGNATION**

---

IPC 334308

AMM 33-43-00-710-001

Operational Test of the Runway Turn off Lights

ASM 33-43/01

ASM 33-46/01

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the runway turn off lights (Ref. AMM TASK 33-43-00-710-001).

##### **4. Fault Isolation**

- A. If, during the operational test, when you set the EXT LT/RWY TURN OFF switch (2LC) to ON, the two turn off lights do not operate correctly:
- do a check for 28VDC at the EXT LT/RWY TURN OFF switch (2LC) pin 2A.

(1) If there is 28VDC:

- replace the RELAY-PWR SPLY, RWY TURN OFF LT (6LC) (Ref. IPC 334308).

(a) If the fault continues:

- do a check and repair the wiring between the EXT LT/RWY TURN OFF switch (2LC) pin 2A and the pin A/X1 of the power supply relay (6LC) (Ref. ASM 33-43/01).

(2) If there is no 28VDC:

- replace the SW-EXT LT/RWY TURN OFF (2LC) (Ref. IPC 334308).

(a) If the fault continues:

- do a check and repair the wiring from the EXT LT/RWY TURN OFF switch (2LC) pin 1A and the first terminal block (Ref. ASM 33-43/01) and (Ref. ASM 33-46/01).

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B. Do the test given in Para. 3.

EFF : ALL

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#### **TASK 33-46-00-810-801**

#### **Failure of the Taxi Light**

##### **1. Possible Causes**

- LT-TAXI (8LR)
- SW-EXT LT/NOSE (4LR)
- wiring
- RELAY-PWR SPLY, TAXI LT (6LR)
- C/B-LIGHTING/EXT LT/TAXI AND TAKE OFF/TAXI (1LR)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

REFERENCE	DESIGNATION
IPC 334608	
AMM 33-46-00-710-001	Operational Test of the Taxi and Take Off Light
AMM 33-46-12-000-001	Removal of the LIGHT-TAXI (8LR)
AMM 33-46-12-400-001	Installation of the LIGHT-TAXI (8LR)
ASM 33-46/01	

---

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the taxi and take off light (Ref. AMM TASK 33-46-00-710-001).

NOTE : Do this test for the taxi light only.

EFF : ALL

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### **4. Fault Isolation**

**A. If during the operational test when you set the EXT LT/NOSE switch to TAXI, the taxi light does not operate correctly:**

- do a check of the circuit breaker (1LR) status.

**(1) If the circuit breaker is closed:**

- do a check for 115VAC at the taxi power supply relay (6LR) pins A/2 and A/X.

**(a) If there is no 115VAC at pin A/X:**

- replace the SW-EXT LT/NOSE (4LR) (Ref. IPC 334608).

**1 If the fault continues:**

- do a check of the wiring between the EXT LT/NOSE switch (4LR) pin 2A and the pin A/X of the taxi light power supply relay (6LR) (Ref. ASM 33-46/01).

**a If there is no continuity:**

- repair the above wiring.

**b If there is continuity:**

- repair the wiring from the EXT LT/NOSE switch (4LR) pin 1A to the first terminal block (Ref. ASM 33-46/01).

**(b) If there is no 115VAC at pin A/2:**

- replace the RELAY-PWR SPLY, TAXI LT (6LR) (Ref. IPC 334608).

**1 Do a check of the wiring between the take off light power supply relay (5LR) pin A/1 and the circuit breaker (1LR) (Ref. ASM 33-46/01).**

**a If there is no continuity:**

- repair the above wiring.

**b If there is continuity:**

- replace the C/B-LIGHTING/EXT LT/TAXI AND TAKE OFF/TAXI (1LR).

**(c) If there is 115VAC at the two pins:**

- replace the LT-TAXI (8LR) (Ref. AMM TASK 33-46-12-000-001) and (Ref. AMM TASK 33-46-12-400-001).

**1 If the fault continues:**

- do a check for a ground signal at pin A/B of the taxi light (8LR).

**a If there is no ground signal:**

- repair the wiring between the taxi light (8LR) pin A/B and the ground terminal (Ref. ASM 33-46/01).

EFF : ALL

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- b If there is a ground signal:
      - do a check of the wiring between the taxi light (8LR) pin A/A and the pin A/2 of the taxi light power supply relay (6LR):
        - . if there is no continuity:
          - repair the above wiring
        - . if there is continuity:
          - repair the wiring from the taxi light power supply relay (6LR) pin A/Z to the first terminal block (Ref. ASM 33-46/01).
  - (2) If the circuit breaker is open:
    - close the circuit breaker.
  - (a) If the circuit breaker trips:
    - replace the LT-TAXI (8LR) (Ref. AMM TASK 33-46-12-000-001) and (Ref. AMM TASK 33-46-12-400-001).
  - 1 If the fault continues:
    - do a check for a short to ground at the wiring between the circuit breaker (1LR) and the taxi light (8LR) pin A/A (Ref. ASM 33-46/01).
  - a If there is a short to ground:
      - repair the related wiring.
    - b If there is no short to ground:
      - replace the circuit breaker (1LR).
- B. Do the test given in Para. 3.**

EFF :     ALL

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### **TASK 33-46-00-810-802**

#### **Failure of the Take off Light**

##### **1. Possible Causes**

- LT-TAKE OFF (7LR)
- SW-EXT LT/NOSE (4LR)
- wiring
- RELAY- PWR SPLY, TO LT (5LR)
- C/B-LIGHTING/EXT LT/TAXI AND TAKE OFF/TO (3LR)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

REFERENCE	DESIGNATION
IPC 334608	
AMM 33-46-00-710-001	Operational Test of the Taxi and Take Off Light
AMM 33-46-11-000-001	Removal of the LIGHT-TAKE OFF (7LR)
AMM 33-46-11-400-001	Installation of the LIGHT-TAKE OFF (7LR)
ASM 33-46/01	

---

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the taxi and take off light (Ref. AMM TASK 33-46-00-710-001).

**NOTE** : Do this test for the take off light only.

##### **4. Fault Isolation**

A. If during the operational test when you set the EXT LT/NOSE switch to TO, the take off light does not operate correctly:

- do a check of the circuit breaker (3LR) status.

(1) If the circuit breaker is closed:

- do a check for 115VAC at the take off power supply relay (5LR) pins A/2 and A/X.

(a) If there is no 115VAC at pin A/X:

- replace the SW-EXT LT/NOSE (4LR) (Ref. IPC 334608).

1 If the fault continues:

- do a check of the wiring between the EXT LT/NOSE switch (4LR) pin 3B and the pin A/X of the take off power supply relay (5LR) (Ref. ASM 33-46/01).

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- a If there is no continuity:
    - repair the above wiring.
  - b If there is continuity:
    - repair the wiring from the EXT LT/NOSE switch (4LR) pin 1B to the first terminal block (Ref. ASM 33-46/01).
- (b) If there is no 115VAC at pin A/2:
  - replace the RELAY- PWR SPLY, TO LT (5LR) (Ref. IPC 334608).
- 1 Do a check of the wiring between the take off power supply relay (5LR) pin A/1 and the circuit breaker 3LR (Ref. ASM 33-46/01).
  - a If there is no continuity:
    - repair the above wiring.
  - b If there is continuity:
    - replace the C/B-LIGHTING/EXT LT/TAXI AND TAKE OFF/TO (3LR)
- (c) If there is 115VAC at the two pins:
  - replace the LT-TAKE OFF (7LR) (Ref. AMM TASK 33-46-11-000-001) and (Ref. AMM TASK 33-46-11-400-001).
- 1 If the fault continues:
  - do a check for a ground signal at pin A/E of the take off light (7LR).
    - a If there is no ground signal:
      - repair the wiring between the take off light (7LR) pin A/E and the ground terminal (Ref. ASM 33-46/01).
    - b If there is a ground signal:
      - do a check of the wiring between the take off light (7LR) pin A/D and the pin A/2 of the take off light power supply relay (5LR).
        - . If there is no continuity:
          - repair the above wiring.
        - . If there is continuity:
          - repair the wiring from the take off light power supply relay (5LR) pin A/Z to the first terminal block (Ref. ASM 33-46/01).
- (2) If the circuit breaker is open:
  - close the circuit breaker.
- (a) If the circuit breaker trips:
  - replace the LT-TAKE OFF (7LR) (Ref. AMM TASK 33-46-11-000-001) and (Ref. AMM TASK 33-46-11-400-001).

EFF : ALL

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- 1 If the fault continues:
  - do a check for a short to ground at the wiring between the circuit breaker (3LR) and the take off light (7LR) pin A/D (Ref. ASM 33-46/01).
- a If there is a short to ground:
  - repair the related wiring.
- b If there is no short to ground:
  - replace the circuit breaker 3LR.

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

EFF :     ALL

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### **TASK 33-46-00-810-803**

#### **Failure of the Taxi and Take off Lights**

##### **1. Possible Causes**

- LGCIU-2 (5GA2)
- SW-EXT LT/NOSE (4LR)
- C/B - LIGHTING/EXT LT/TAXI AND TAKE OFF/CTL (2LR)
- wiring

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

###### **REFERENCE**

###### **DESIGNATION**

---

IPC 334608

AMM 32-31-71-000-001

Removal of the LGCIU

AMM 32-31-71-400-001

Installation of the LGCIU

AMM 33-43-00-710-001

Operational Test of the Runway Turn off Lights

AMM 33-46-00-710-001

Operational Test of the Taxi and Take Off Light

ASM 33-43/01

ASM 33-46/01

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the taxi and take off lights (Ref. AMM TASK 33-46-00-710-001).

Then do the operational test of the runway turn off lights (Ref. AMM TASK 33-43-00-710-001).

##### **4. Fault Isolation**

A. If during the operational tests, only the taxi and take off lights do not operate correctly:

- replace the SW-EXT LT/NOSE (4LR) (Ref. IPC 334608).

B. If, during the operational tests, the integral lighting of the taxi, take off and runway turn off lights do not operate correctly:

- do a check of the circuit breaker (2LR) status.

(1) If the circuit breaker is closed:

- do a check for a ground signal at the LGCIU2 pin AB/11K.

(a) If there is no ground signal:

- replace the LGCIU-2 (5GA2) (Ref. AMM TASK 32-31-71-000-001) and (Ref. AMM TASK 32-31-71-400-001).

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- (b) If there is a ground signal:  
- do a check for 28VDC at the pin 3 of the circuit breaker (2LR).

1 If there is no 28VDC:

- replace the C/B - LIGHTING/EXT LT/TAXI AND TAKE OFF/CTL (2LR).

2 If there is 28VDC:

- do a check of the wiring from the LGCIU2 pin AB/11K to the first terminal block (Ref. ASM 33-46/01).

a If there is no continuity:

- repair the above wiring.

b If there is continuity:

- repair the wiring from the circuit breaker (2LR) to the first terminal block (Ref. ASM 33-46/01).

(2) If the circuit breaker is open:

- close the circuit breaker.

(a) If the circuit breaker trips:

- do a check for a short to ground at the wiring between the circuit breaker (2LR) and the LGCIU2 (5GA2) pin AB/11K through the related switches (2LC) and (4LR) and the related power supply relays (6LC), (5LR) and (6LR) (Ref. ASM 33-46/01) and (Ref. ASM 33-43/01).

1 If there is a short to ground:

- repair the related wiring.

2 If there is no short to ground:

- replace the circuit breaker (2LR).

C. Do the tests given in Para. 3.

EFF : ALL

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#### **TASK 33-47-00-810-801**

Logo Lights - One Logo Light does not come on

##### **1. Possible Causes**

- LOGO LIGHT 3LY
- BEAM LAMP
- wiring
- RELAY 5LY
- CB 2LY
- LOGO LIGHT 4LY
- CB 1LY

##### **2. Job Set-up Information**

###### **A. Referenced Information**

-----	
REFERENCE	DESIGNATION
-----	
AMM 33-47-00-710-002	Operational Test of the Logo Lights
R AMM 33-47-11-000-002	Removal of the Logo Light 3LY (4LY)
R AMM 33-47-11-400-002	Installation of the Logo Light 3LY (4LY)
R AMM 33-47-11-600-001	Replacement of the Lamp of the Logo Light 3LY (4LY)
ASM 33-47/01	

##### **3. Fault Confirmation**

- A. Do the operational test of the logo lights (Ref. AMM TASK 33-47-00-710-002).

##### **4. Fault Isolation**

- A. If the test shows that the LOGO LIGHT 3LY does not come on:
- make sure that the NAV LOGO switch is set to the ON position,
- R - do a check for 115VAC at the LOGO LIGHT 3LY connector A/A (Ref. ASM 33-47/01).
- R (1) If there is approx. 115VAC:
- replace the BEAM LAMP (Ref. AMM TASK 33-47-11-600-001).
- (a) If the fault continues:
- replace LOGO LIGHT 3LY (Ref. AMM TASK 33-47-11-000-002) and
- R (Ref. AMM TASK 33-47-11-400-002).
- R
- 1 If the fault continues:
- do a check of the wiring between:  
LOGO LIGHT 3LY connector A/B and GND

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(Ref. ASM 33-47/01).

- R (2) If there is no 115VAC:  
- do a check of the wiring between:  
LOGO LIGHT 3LY connector A/A and CB 2LY  
(Ref. ASM 33-47/01).
- (a) If the fault continues:  
- do a check and replace if necessary:  
RELAY 5LY  
CB 2LY  
(Ref. ASM 33-47/01).
- B. If the test shows that the LOGO LIGHT 4LY does not come on:  
- make sure that the NAV LOGO switch is set to the ON position,  
R - do a check for 115VAC at the LOGO LIGHT 4LY connector A/A (Ref. ASM 33-47/01).
- R (1) If there is approx. 115VAC:  
- replace the BEAM LAMP (Ref. AMM TASK 33-47-11-600-001).
- (a) If the fault continues:  
R - replace LOGO LIGHT 4LY (Ref. AMM TASK 33-47-11-000-002) and  
R (Ref. AMM TASK 33-47-11-400-002).
- 1 If the fault continues:  
- do a check of the wiring between:  
LOGO LIGHT 4LY connector A/B and GND  
(Ref. ASM 33-47/01).
- R (2) If there is no 115VAC:  
- do a check of the wiring between:  
LOGO LIGHT 4LY connector A/A and CB 1LY  
(Ref. ASM 33-47/01).
- (a) If the fault continues:  
- do a check and replace if necessary:  
RELAY 5LY  
CB 1LY  
(Ref. ASM 33-47/01).
- C. Do the test as given in the Para. 3. A.
5. Close-up
- A. Put the aircraft back to its initial configuration.

EFF : ALL

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### **TASK 33-47-00-810-802**

Logo Lights - Both Logo Lights do not come on

#### **1. Possible Causes**

- wiring
- R - CB 2LR
- R - RELAY 5LY
- R - SWITCH NAV LOGO 3LA
- R - CB 1LA
- R - RELAY 6LA
- R - CB 2LA
- R - RELAY 7LA

#### **2. Job Set-up Information**

##### **A. Referenced Information**

REFERENCE	DESIGNATION
R 33-47-00-810-801	Logo Lights - One Logo Light does not come on
R AMM 27-51-00-740-002	Bite Test of the Slat and Flap Control Computers (Flap System)
R AMM 32-31-00-720-002	Functional Test of the Normal Extension and Retraction of the Landing Gear
R AMM 33-41-00-710-001	Operational Test of the Navigation Lights
R AMM 33-47-00-710-002	Operational Test of the Logo Lights
R ASM 33-41/01	
R ASM 33-47/01	

#### **3. Fault Confirmation**

##### **R A. Test**

- R (1) Do the Operational Test of the Logo Lights (Ref. AMM TASK 33-47-00-710-002).
- R
- R (2) Do the Operational Test of the Navigation Lights (Ref. AMM TASK 33-41-00-710-001).
- R

#### **4. Fault Isolation**

- R A. If the test shows that LOGO LIGHT 3LY or LOGO LIGHT 4LY does not come on:
- R - do the trouble shooting procedure for One Logo Light does not come on
- R (Ref. TASK 33-47-00-810-801).
- R

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- R B. If the test shows that the LOGO LIGHT 3LY and LOGO LIGHT 4LY in SWITCH  
R NAV LOGO 3LA position 1 and 2 do not come on:  
R - make sure that the SWITCH NAV LOGO 3LA is in position 1 or 2.  
R - do a check for approx. 28 VDC at RELAY 5LY connector A/X1 (Ref. ASM 33-  
R 47/01).
- R (1) If there is no 28 VDC:  
R - do a check of the wiring between:  
R RELAY 5LY connector A/X1 and CB 2LR  
R (Ref. ASM 33-47/01).
- R (a) If the fault continues:  
R - do a check and replace if necessary:  
R CB 2LR  
R (Ref. ASM 33-41/01).
- R (2) If there is approx. 28 VDC:  
R - do a check for a DC GND signal at RELAY 5LY connector A/X2 (Ref.  
R ASM 33-47/01).
- R (a) If there is a GND signal:  
R - do a check and replace if necessary:  
R RELAY 5LY  
R (Ref. ASM 33-47/01).
- R (b) If there is no GND signal:  
R - do a check of the wiring between:  
R RELAY 5LY connector A/X2 and SFCC1 21VC connector AE/8D,  
R RELAY 5LY connector A/X2 and SFCC2 22VC connector AE/8D,  
R RELAY 5LY connector A/X2 and LGCIU 5GA2 connector AB/4C  
R (Ref. ASM 33-47/01).
- R 1 If the fault continues:  
R - do the Bite Test of the Slat and Flap Control Computers  
R (Ref. AMM TASK 27-51-00-740-002).  
R - do the Functional Test of the Normal Extension and  
R Retraction of the Landing Gear (Ref. AMM TASK 32-31-00-720-  
R 002).
- R C. If the test shows that both LOGO LIGHTS 3LY and LOGO LIGHT 4LY in SWITCH  
R NAV LOGO 3LA position 1 do not come on:  
R - make sure that the SWITCH NAV LOGO 3LA is in position 1.  
R - do a check for approx. 28 VDC at RELAY 6LA connector A/X1 (Ref. ASM 33-  
R 41/01).
- R (1) If there is no 28 VDC:  
R - do a check of the wiring between:  
R RELAY 6LA connector A/X1 and CB 1LA  
R (Ref. ASM 33-47/01).

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- R (a) If the fault continues:  
R - do a check and replace if necessary:  
R SWITCH NAV LOGO 3LA,  
R CB 1LA  
R (Ref. ASM 33-41/01).
- R (2) If there is approx. 28 VDC:  
R - do a check of the wiring between:  
R RELAY 6LA connector A/X2 and GND,  
R RELAY 6LA connector A/D1 and RELAY 5 LY connector A/X1,  
R RELAY 6LA connector A/D2 and CB 2LR  
R (Ref. ASM 33-41/01) and (Ref. ASM 33-47/01).
- R (a) If the fault continues:  
R - do a check and replace if necessary:  
R RELAY 6LA,  
R CB 2LR  
R (Ref. ASM 33-41/01) and (Ref. ASM 33-47/01).
- R D. If the test shows that LOGO LIGHT 3LY and LOGO LIGHT 4LY in SWITCH NAV  
R LOGO 3LA position 2 do not come on:  
R - make sure that the SWITCH NAV LOGO 3LA is in position 2.  
R - do a check for approx. 28 VDC at RELAY 7LA connector A/X1 (Ref. ASM 33-  
R 41/01).
- R (1) If there is no 28 VDC:  
R - do a check of the wiring between:  
R RELAY 7LA connector A/X1 and CB 2LA  
R (Ref. ASM 33-41/01).
- R (a) If the fault continues:  
R - do a check and replace if necessary:  
R SWITCH NAV LOGO 3LA,  
R CB 2LA  
R (Ref. ASM 33-41/01).
- R (2) If there is approx. 28 VDC:  
R - do a check of the wiring between:  
R RELAY 7LA connector A/X2 and GND,  
R RELAY 7LA connector A/D1 and RELAY 5LY connector A/X1,  
R RELAY 7LA connector A/D2 and CB 2LR  
R (Ref. ASM 33-41/01) and (Ref. ASM 33-47/01).
- R (a) If the fault continues:  
R - do a check and replace if necessary:  
R RELAY 7LA,  
R CB 2LR  
R (Ref. ASM 33-41/01) and (Ref. ASM 33-47/01).
- R E. Do the test as given in the Para. 3. A.

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**5. Close-up**

A. Put the aircraft back to its initial configuration.

R

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### **TASK 33-47-00-810-803**

Logo Lights - One Logo Light does not go off

#### **1. Possible Causes**

- LOGO LIGHT PWR SPLY RELAY 5LY

#### **2. Job Set-up Information**

- A. Referenced Information

---

#### **REFERENCE**

#### **DESIGNATION**

---

AMM 33-47-00-710-002 Operational Test of the Logo Lights

R

#### **3. Fault Confirmation**

- A. Do the operational test of the logo lights (Ref. AMM TASK 33-47-00-710-002).

#### **4. Fault Isolation**

- A. If the test shows that the LOGO LIGHT 3LY does not go off:
  - make sure that the NAV LOGO switch is set to the OFF position,

R

- (1) If the fault continues:

R

R

- replace the LOGO LIGHT PWR SPLY RELAY 5LY.

R

- B. Do the test as given in the Para. 3. A.

R

#### **5. Close-up**

- A. Put the aircraft back to its initial configuration.

EFF : ALL

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### **TASK 33-47-00-810-804**

Logo Lights - Both Logo Lights do not go off

#### **1. Possible Causes**

- R - RELAY 5LY
- R - RELAY 6LA
- R - RELAY 7LA
- R

#### **2. Job Set-up Information**

##### **A. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

- AMM 33-47-00-710-002 Operational Test of the Logo Lights
- R ASM 33-41/01
- ASM 33-47/01

#### **3. Fault Confirmation**

- A. Do the operational test of the Logo Lights (Ref. AMM TASK 33-47-00-710-002).

#### **4. Fault Isolation**

- R A. If the test shows that the two LOGO LIGHTS 3LY (4LY) do not go off:
- R - make sure that the NAV LOGO switch 3LA is set to the OFF position.
- R (1) If the fault continues:
- R - Open CB 2LR.
- R (a) If the fault continues:
- R - replace RELAY 5LY
- R (Ref. ASM 33-47/01).
- R (b) If both LOGO LIGHTS 3LY and 4LY go off:
- R - check and replace if necessary RELAY 6LA and RELAY 7LA
- R (Ref. ASM 33-41/01).

- B. Do the test as given in the Para. 3. A.

#### **5. Close-up**

- A. Put the aircraft back to its initial configuration.

EFF : ALL

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#### **TASK 33-48-00-810-801**

Strobe Lights - None of the Anti-Collision Strobe Lights flash

##### **1. Possible Causes**

- wiring
- PWR SPLY-RELAY 12LV
- LT-STROBE SW 11LV
- LGD SIGNAL-RELAY 13LV

##### **2. Job Set-up Information**

###### **A. Referenced Information**

REFERENCE	DESIGNATION
AMM 33-48-00-710-002	Operational Test of the Anti-Collision/Strobe Lighting
ASM 33-48/01	
TSM 33-48-00-810-802	Strobe Lights - One of the Anti-Collision Strobe Lights does not flash

##### **3. Fault Confirmation**

- A. Do the operational test of the Anti-Collision / Strobe Lighting and confirm that none of the strobe lights flash (Ref. AMM TASK 33-48-00-710-002).

##### **4. Fault Isolation**

A. If the test confirms the fault:

- R - do a check for 115 VAC at the related PWR SPLY UNIT connector A/1, A/2  
R and A/3 (Ref. ASM 33-48/01).

- R (1) If there is approx. 115 VAC:  
- do the trouble shooting procedures for One of the Anti-Collision Strobe Lights does not flash (Ref. TSM TASK 33-48-00-810-802).

- R (2) If there is no 115 VAC:  
R - do a check for 115 VAC at the PWR SPLY-RELAY 12LV connector A/A1,  
R A/B1 and A/C1 (Ref. ASM 33-48/01).

- R (a) If there is approx. 115 VAC:  
- do a check and repair the wiring between:  
PWR SPLY-RELAY 12LV conn. A/A1 and related PWR SPLY UNIT conn. A/1,

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PWR SPLY-RELAY 12LV conn. A/B1 and related PWR SPLY UNIT conn. A/2,  
PWR SPLY-RELAY 12LV conn. A/C1 and related PWR SPLY UNIT conn. A/3,  
PWR SPLY-RELAY 12LV conn. A/X1 and LT-STROBE SW 11LV conn. A2,  
PWR SPLY-RELAY 12LV conn. A/X2 and LT-STROBE SW 11LV conn. 1A  
(Ref. ASM 33-48/01).

R (b) If there is no 115 VAC:  
R - do a check for 115 VAC at the PWR SPLY-RELAY 12LV connectors  
R A/A2, A/B2 and A/C2 (Ref. ASM 33-48/01).

R 1 If there is no 115 VAC:  
- do a check and repair the wiring between:  
CB 10LV conn. A2 and PWR SPLY-RELAY 12LV conn. A/A2,  
CB 10LV conn. B2 and PWR SPLY-RELAY 12LV conn. A/B2,  
CB 10LV conn. C2 and PWR SPLY-RELAY 12LV conn. A/C2,  
CB 10LV conn. C2 and LT-STROBE SW 11LV conn. 1B (Ref. ASM 33-48/01).

R 2 If there is approx. 115 VAC:  
- do a check of the PWR SPLY-RELAY 12LV and replace it if necessary.  
  
3 If the fault continues:  
- do a check of the LT-STROBE SW 11LV and replace it if necessary.  
  
4 If the fault continues:  
- do a check of the LGD SIGNAL-RELAY 13LV and replace it if necessary.

(3) If the fault continues:  
- do a check and repair the wiring between:  
LDG SIGNAL-RELAY 13LV conn. A/A and LT-STROBE SW 11LV conn. 2B,  
LDG SIGNAL-RELAY 13LV conn. A/1 and GND,  
LDG SIGNAL-RELAY 13LV conn. A/Z and GND,  
LDG SIGNAL-RELAY 13LV conn. A/X and LGCIU 2 AA/14A (Ref. ASM 33-48/01).

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

### **5. Close-up**

A. Put the aircraft back to its initial configuration.

EFF : ALL

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### **TASK 33-48-00-810-802**

Strobe Lights - One of the Anti-Collision Strobe Lights does not flash

#### **1. Possible Causes**

- PWR SPLY UNIT-L WING TIP STROBE LIGHT 631 (15LV)
- PWR SPLY UNIT-WING TIP STROBE LIGHT 632 (14LV)
- PWR SPLY UNIT-TAIL CONE STROBE LIGHT (18LV)
- LIGHT-STROBE, L WING TIP 17LV
- PWR SPLY-RELAY 12LV
- wiring
- LIGHT-STROBE, R WING TIP 16LV

#### **2. Job Set-up Information**

##### **A. Referenced Information**

#### **REFERENCE**

#### **DESIGNATION**

AMM 33-48-00-710-002	Operational Test of the Anti-Collision/Strobe Lighting
AMM 33-48-13-000-001	Removal of the Tail Cone Strobe-Light (19LV)
AMM 33-48-13-400-001	Installation of the Tail Cone Strobe-Light (19LV)
AMM 33-48-14-000-001	Removal of the Strobe Light
AMM 33-48-14-400-001	Installation of the Strobe Light
AMM 33-48-38-000-001	Removal of the Power Supply Unit
AMM 33-48-38-400-001	Installation of the Power Supply Unit
ASM 33-48/01	

#### **3. Fault Confirmation**

- A. Do the operational test of the Anti-Collision/Strobe Lighting and confirm that one of the strobe lights does not flash (Ref. AMM TASK 33-48-00-710-002).

#### **4. Fault Isolation**

- R A. If the test confirms the fault in the LH WING TIP STROBE:
- replace the LIGHT-STROBE, L WING TIP 17LV (Ref. AMM TASK 33-48-14-000-001) and (Ref. AMM TASK 33-48-14-400-001).
- (1) If the fault continues:
- replace the PWR SPLY UNIT-L WING TIP STROBE LIGHT 631 (15LV) (Ref. AMM TASK 33-48-38-000-001) and (Ref. AMM TASK 33-48-38-400-001).
- (2) If the fault continues:
- do a check of the PWR SPLY-RELAY 12LV and replace it if necessary.

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(3) If the fault continues:

- do a check and repair the wiring between:

CB 10LV conn. A2 and PWR SPLY-RELAY 12LV conn. A/A2,  
CB 10LV conn. B2 and PWR SPLY-RELAY 12LV conn. A/B2,  
CB 10LV conn. C2 and PWR SPLY-RELAY 12LV conn. A/C2,

PWR SPLY-RELAY 12LV conn. A/A1 and PWR SPLY UNIT 15LV conn. A/1,  
PWR SPLY-RELAY 12LV conn. A/B1 and PWR SPLY UNIT 15LV conn. A/2,  
PWR SPLY-RELAY 12LV conn. A/C1 and PWR SPLY UNIT 15LV conn. A/3,  
GND and PWR SPLY UNIT 15LV conn. A/12,  
GND and PWR SPLY UNIT 15LV conn. A/14,

PWR SPLY-UNIT 15LV conn. B/1 and STROBE LIGHT 17LV conn. A/1,  
PWR SPLY-UNIT 15LV conn. B/2 and STROBE-LIGHT 17LV conn. A/2,  
PWR SPLY-UNIT 15LV conn. B/3 and STROBE-LIGHT 17LV conn. A/3,  
PWR SPLY-UNIT 15LV conn. B/4 and STROBE-LIGHT 17LV conn. A/4,  
PWR SPLY-UNIT 15LV conn. B/5 and STROBE-LIGHT 17LV conn. A/5 (Ref.  
ASM 33-48/01).

R  
R  
R

R B. If the test confirms the fault in the RH WING TIP STROBE:

- replace the LIGHT-STROBE, R WING TIP 16LV (Ref. AMM TASK 33-48-14-000-001) and (Ref. AMM TASK 33-48-14-400-001).

(1) If the fault continues:

- replace the PWR SPLY UNIT-WING TIP STROBE LIGHT 632 (14LV) (Ref. AMM TASK 33-48-38-000-001) and (Ref. AMM TASK 33-48-38-400-001).

(2) If the fault continues:

- do a check of the PWR SPLY-RELAY 12LV and replace it if necessary.

(3) If the fault continues:

- do a check and repair the wiring between:

CB 10LV conn. A2 and PWR SPLY-RELAY 12LV conn. A/A2,  
CB 10LV conn. B2 and PWR SPLY-RELAY 12LV conn. A/B2,  
CB 10LV conn. C2 and PWR SPLY-RELAY 12LV conn. A/C2,

PWR SPLY-RELAY 12LV conn. A/A1 and PWR SPLY UNIT 14LV conn. A/1,  
PWR SPLY-RELAY 12LV conn. A/B1 and PWR SPLY UNIT 14LV conn. A/2,  
PWR SPLY-RELAY 12LV conn. A/C1 and PWR SPLY UNIT 14LV conn. A/3,  
GND and PWR SPLY UNIT 14LV conn. A/12,  
GND and PWR SPLY UNIT 14LV conn. A/14,

PWR SPLY UNIT 14LV conn. B/1 and STROBE-LIGHT 16LV conn. A/1,  
PWR SPLY UNIT 14LV conn. B/2 and STROBE-LIGHT 16LV conn. A/2,  
PWR SPLY UNIT 14LV conn. B/3 and STROBE-LIGHT 16LV conn. A/3,  
PWR SPLY UNIT 14LV conn. B/4 and STROBE-LIGHT 16LV conn. A/4,  
PWR SPLY UNIT 14LV conn. B/5 and STROBE-LIGHT 16LV conn. A/5 (Ref.  
ASM 33-48/01).

R  
R  
R

EFF : ALL

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C. If the test confirms the fault in the TAIL CONE STROBE:

- replace the LIGHT-STROBE, TAIL CONE 19LV (Ref. AMM TASK 33-48-13-000-001) and (Ref. AMM TASK 33-48-13-400-001).

(1) If the fault continues:

- replace the PWR SPLY UNIT-TAIL CONE STROBE LIGHT (18LV) (Ref. AMM TASK 33-48-38-000-001) and (Ref. AMM TASK 33-48-38-400-001).

(2) If the fault continues:

- do a check of the PWR SPLY-RELAY 12LV and replace it if necessary.

(3) If the fault continues:

- do a check and repair the wiring between:

CB 10LV conn. A2 and PWR SPLY-RELAY 12LV conn. A/A2,

CB 10LV conn. B2 and PWR SPLY-RELAY 12LV conn. A/B2,

CB 10LV conn. C2 and PWR SPLY-RELAY 12LV conn. A/C2,

PWR SPLY-RELAY 12LV conn. A/A1 and PWR SPLY UNIT 18LV conn. A/1,

PWR SPLY-RELAY 12LV conn. A/B1 and PWR SPLY UNIT 18LV conn. A/2,

PWR SPLY-RELAY 12LV conn. A/C1 and PWR SPLY UNIT 18LV conn. A/3,

GND and PWR SPLY UNIT 18LV conn. A/12,

GND and PWR SPLY UNIT 18LV conn. A/14,

PWR SPLY UNIT 18LV conn. B/1 and STROBE-LIGHT 19LV conn. A/1,

PWR SPLY UNIT 18LV conn. B/2 and STROBE-LIGHT 19LV conn. A/2,

PWR SPLY UNIT 18LV conn. B/3 and STROBE-LIGHT 19LV conn. A/3 (Ref.

ASM 33-48/01).

D. Do the test as given in the Para. 3.A .

### 5. Close-up

A. Put the aircraft back to its initial configuration.

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TASK 33-48-00-810-803

Beacon Lights - The Upper Anti-Collision Beacon Light does not flash

**1. Possible Causes**

- LIGHT-BEACON, UPPER (7LV)
- PWR SPLY UNIT-UPPER BEACON (3LV)
- PWR SPLY-RELAY (8LV)
- EX LT BEACON-SWITCH (2LV)
- wiring

**2. Job Set-up Information****A. Referenced Information****REFERENCE****DESIGNATION**

AMM 33-48-00-710-001	Operational Test of the Anti-Collision/Strobe Lighting
AMM 33-48-11-000-001	Removal of the Upper Beacon/Strobe Light 7LV from the Outside of the Fuselage
AMM 33-48-11-400-001	Installation of the Upper Beacon/Strobe Light 7LV from the Outside of the Fuselage
AMM 33-48-36-000-001	Removal of the Power Supply Unit 3LV
AMM 33-48-36-400-001	Installation of the Power Supply Unit 3LV
ASM 33-48/01	

**3. Fault Confirmation**

- A. Do the operational test of the Anti-Collision/Strobe Lighting and confirm that the upper anti-collision beacon light does not flash (Ref. AMM TASK 33-48-00-710-001).

**4. Fault Isolation**

- A. If the test confirms the fault:
- replace the LIGHT-BEACON, UPPER (7LV) (Ref. AMM TASK 33-48-11-000-001) and (Ref. AMM TASK 33-48-11-400-001).
- (1) If the fault continues:
- do a check for 200 VAC at the PWR SPLY UNIT 3LV connectors A/1, A/2 and A/3 (Ref. ASM 33-48/01).
- (a) If there is approx. 200 VAC:
- replace the PWR SPLY UNIT-UPPER BEACON (3LV) (Ref. AMM TASK 33-48-36-000-001) and (Ref. AMM TASK 33-48-36-400-001).

EFF : ALL

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- (b) If there is no 200 VAC:  
- do a check of the PWR SPLY-RELAY (8LV) and replace it if necessary.

- (2) If the fault continues:  
- do a check of the EX LT BEACON-SWITCH (2LV) and replace it if necessary.

- (3) If the fault continues:  
- do a check and repair the wiring between:  
CB 1LV conn. A2 to PWR SPLY-RELAY 8LV conn. A/A2,  
CB 1LV conn. B2 to PWR SPLY-RELAY 8LV conn. A/B2,  
CB 1LV conn. C2 to PWR SPLY-RELAY 8LV conn. A/C2,  
CB 1LV conn. C2 to EXT LT BEACON-SWITCH 2LV conn. 1A,  
  
PWR SPLY-RELAY 8LV conn. A/A1 to PWR SPLY UNIT 3LV conn. A/1,  
PWR SPLY-RELAY 8LV conn. A/B1 to PWR SPLY UNIT 3LV conn. A/2,  
PWR SPLY-RELAY 8LV conn. A/C1 to PWR SPLY UNIT 3LV conn. A/3,  
PWR SPLY-RELAY 8LV conn. A/X1 to EXT LT BEACON-SWITCH 2LV conn. 2A,  
PWR SPLY-RELAY 8LV conn. A/X2 to GND,  
  
PWR SPLY UNIT 3LV conn. B/A to LIGHT-BEACON UPPER 7LV conn. A/A,  
PWR SPLY UNIT 3LV conn. B/B to LIGHT-BEACON UPPER 7LV conn. A/B,  
PWR SPLY UNIT 3LV conn. B/C to LIGHT-BEACON UPPER 7LV conn. A/C,  
PWR SPLY UNIT 3LV conn. A/12 to GND,  
PWR SPLY UNIT 3LV conn. A/14 to GND (Ref. ASM 33-48/01).

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

### 5. Close-up

A. Put the aircraft back to its initial configuration.

EFF : ALL

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TASK 33-48-00-810-804

Beacon Lights - The Lower Anti-Collision Beacon Light does not flash

**1. Possible Causes**

- LIGHT-BEACON, LOWER (6LV)
- PWR SPLY UNIT-LOWER BEACON (4LV)
- PWR SPLY-RELAY (9LV)
- EXT LT BEACON-SWITCH (2LV)
- wiring

**2. Job Set-up Information****A. Referenced Information****REFERENCE****DESIGNATION**

AMM 33-48-00-710-001	Operational Test of the Anti-Collision/Strobe Lighting
AMM 33-48-12-000-001	Removal of the Lower Beacon/Strobe Light 6LV from the Fuselage Outside
AMM 33-48-12-400-001	Installation of the Lower Beacon/Strobe Light 6LV from the Fuselage Outside
AMM 33-48-37-000-001	Removal of the Power Supply Unit 4LV
AMM 33-48-37-400-001	Installation of the Power Supply Unit 4LV
ASM 33-48/01	

**3. Fault Confirmation**

- A. Do the operational test of the Anti-Collision/Strobe Lighting and confirm that the lower anti-collision beacon light does not flash (Ref. AMM TASK 33-48-00-710-001).

**4. Fault Isolation**

- A. If the test confirms the fault:
- replace the LIGHT-BEACON, LOWER (6LV) (Ref. AMM TASK 33-48-12-000-001) and (Ref. AMM TASK 33-48-12-400-001).
- (1) If the fault continues:
- do a check for 200 VAC at the PWR SPLY UNIT (4LV) connectors A/1, A/2 and A/3 (Ref. ASM 33-48/01)
- (a) If there is approx. 200 VAC:
- replace the PWR SPLY UNIT-LOWER BEACON (4LV) (Ref. AMM TASK 33-48-37-000-001) and (Ref. AMM TASK 33-48-37-400-001).

EFF : ALL

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- (b) If there is no 200 VAC:  
- do a check of the PWR SPLY-RELAY (9LV) and replace it if necessary.

- (2) If the fault continues:  
- do a check of the EXT LT BEACON-SWITCH (2LV) and replace it if necessary.

- (3) If the fault continues:  
- do a check and repair the wiring between:  
CB 5LV conn. A2 to PWR SPLY-RELAY 9LV conn. A/A2,  
CB 5LV conn. B2 to PWR SPLY-RELAY 9LV conn. A/B2,  
CB 5LV conn. C2 to PWR SPLY-RELAY 9LV conn. A/C2,  
CB 5LV conn. A2 to EXT LT BEACON-SWITCH 2LV conn. 1B,  
  
PWR SPLY-RELAY 9LV conn. A/A1 to PWR SPLY UNIT 4LV conn. A/1,  
PWR SPLY-RELAY 9LV conn. A/B1 to PWR SPLY UNIT 4LV conn. A/2,  
PWR SPLY-RELAY 9LV conn. A/C1 to PWR SPLY UNIT 4LV conn. A/3,  
PWR SPLY-RELAY 9LV conn. A/X1 to EXT LT BEACON-SWITCH 2LV conn. 2B,  
PWR SPLY-RELAY 9LV conn. A/X2 to GND,  
  
PWR SPLY UNIT 4LV conn. B/A to LIGHT-BEACON LOWER 6LV conn. A/A,  
PWR SPLY UNIT 4LV conn. B/B to LIGHT-BEACON LOWER 6LV conn. A/B,  
PWR SPLY UNIT 4LV conn. B/C to LIGHT-BEACON LOWER 6LV conn. A/C,  
PWR SPLY UNIT 4LV conn. A/12 to GND,  
PWR SPLY UNIT 4LV conn. A/14 to GND (Ref. ASM 33-48/01).

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

### 5. Close-up

A. Put the aircraft back to its initial configuration.

EFF : ALL

SR05

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### **TASK 33-48-00-810-805**

Strobe lights - The Anti-Collision Strobe Lights will not switch off

#### **1. Possible Causes**

- LT-STROBE SW 11LV
- PWR SPLY-RELAY 12LV
- wiring
- LGD SIGNAL-RELAY 13LV
- LGCIU-2 5GA2

#### **2. Job Set-up Information**

##### **A. Referenced Information**

REFERENCE		DESIGNATION
R	32-31-00-810-802	LGCIU Fault
AMM	33-48-00-710-002	Operational Test of the Anti-Collision/Strobe Lighting
ASM	32-31/04	
ASM	32-31/06	
ASM	32-62/02	
ASM	33-48/01	

#### **3. Fault Confirmation**

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

PANEL	DESIGNATION	IDENT. LOCATION	
	121VU HYDRAULIC/LGCIU/SYS2	2GA	Q35
	121VU HYDRAULIC/LGCIU/SYS1/GRND SPLY	52GA	Q34
	122VU LIGHTING/EXT LT/BEACON/UPPER	1LV	U06
	122VU LIGHTING/EXT LT/BEACON/LOWER	5LV	U03
	122VU LIGHTING/WING/STROBE	10LV	V05

##### **B. Do the operational test of the Anti-Collision / Strobe Lighting (Ref. AMM TASK 33-48-00-710-002).**

#### **4. Fault Isolation**

##### **A. If the test confirms the fault when during the test the switch LT-STROBE SW 11LV is in the OFF position:**

- make sure that on the overhead panel 25VU the switch LT-STROBE SW 11LV is in the OFF position for the next step.
- do a check for approximately 115 VAC at the switch LT- STROBE SW 11LV, connector 2A (Ref. ASM 33-48/01).

EFF : ALL

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- R (1) If there is approximately 115 VAC:  
R - open, safety and tag this(these) circuit breaker(s):  
R CB 10LV.  
R - replace the switch LT-STROBE SW 11LV on panel 25VU.  
R - remove the safety clip(s) and the tag(s) and close this(these)  
R circuit breaker(s):  
R CB 10LV.
- R (2) If there is no 115 VAC:  
R - open, safety and tag this(these) circuit breaker(s):  
R CB 10LV.  
R - replace the PWR SPLY-RELAY 12LV on panel 103VU.  
R - remove the safety clip(s) and the tag(s) and close this(these)  
R circuit breaker(s):  
R CB 10LV.
- R B. If the test confirms the fault only when the switch LT-STROBE SW 11LV is  
R in the AUTO position:  
R - make sure that on the overhead panel 25VU the switch LT-STROBE SW 11LV  
R is in the AUTO position for the next step.
- R (1) If the fault continues:  
R - open, safety and tag this(these) circuit breaker(s):  
R CB 2GA  
R CB 10LV.  
R - do a check and repair as necessary the wiring between:  
R the LDG SIGNAL-RELAY 13LV connector Z and ground (Ref. ASM 33-  
R 48/01).  
R - remove the safety clip(s) and the tag(s) and close this(these)  
R circuit breaker(s):  
R CB 2GA  
R CB 10LV.
- R (2) If the fault continues:  
R - do a check for approximately 28 VDC at the LDG SIGNAL-RELAY 13LV,  
R connector X (Ref. ASM 33-48/01).
- R (a) If there is approximately 28 VDC:  
R - open, safety and tag this(these) circuit breaker(s):  
R CB 2GA  
R CB 10LV.  
R - replace the LGD SIGNAL-RELAY 13LV on panel 103VU.  
R - remove the safety clip(s) and the tag(s) and close this(these)  
R circuit breaker(s):  
R CB 2GA  
R CB 10LV.
- R (b) If there is no 28 VDC:  
R - do the trouble shooting procedure for a fault in the LGCIU-2  
R 5GA2 or the related circuits (Ref. TASK 32-31-00-810-802) (Ref.  
R ASM 32-62/02) (Ref. ASM 32-31/04) (Ref. ASM 32-31/06).

EFF : ALL

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

5. Close-up

A. Put the aircraft back to its initial configuration.

EFF : ALL

SR0S

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#### **TASK 33-49-00-810-801**

Failure of the Right Wing and Engine Scan Lighting

##### **1. Possible Causes**

- LT-WING & ENG SCAN, R (4LX)
- wiring
- SW EXT LT/WING (2LX)
- C/B-LIGHTING/EXT LT/WING/AND ENG SCAN/R (1LX)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

IPC 334908

AMM 33-49-00-710-001

Operational Test of the Wing and Engine Scan Lighting

AMM 33-49-11-000-001

Removal of the LIGHT-WING & ENGINE SCAN (3LX,4LX)

AMM 33-49-11-400-001

Installation of the LIGHT-WING & ENGINE SCAN  
(3LX,4LX)

ASM 33-49/01

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the wing and engine scan lighting (Ref. AMM TASK 33-49-00-710-001).

##### **4. Fault Isolation**

A. If, during the operational test, when you set the EXT LT/WING switch (2LX) to ON, the right wing and engine scan light (4LX) does not operate correctly:

- do a check of the circuit breaker (1LX) status.

(1) If the circuit breaker is closed:

- do a check for 115VAC at the switch (2LX) pin 2A.

(a) If there is 115VAC:

- replace the LT-WING & ENG SCAN, R (4LX) (Ref. AMM TASK 33-49-11-000-001) and (Ref. AMM TASK 33-49-11-400-001).

1 If the fault continues:

- do a check for a ground signal at the right wing and engine scan light (4LX).

EFF : ALL

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# **A319/A320/A321**

## **TROUBLE SHOOTING MANUAL**

- a If there is no ground signal:
    - repair the wiring from the right wing and engine scan light (4LX) to the ground terminal (Ref. ASM 33-49/01).
  - b If there is a ground signal:
    - do a check and repair the wiring from the switch (2LX) pin 2A to the pin A/A of the right wing and engine scan light (4LX) (Ref. ASM 33-49/01).
- (b) If there is no 115VAC:
- replace the SW EXT LT/WING (2LX) (Ref. IPC 334908).
- 1 If the fault continues:
- do a check for 115VAC at pin 3 of the circuit breaker (1LX).
- a If there is no 115VAC:
- replace the C/B-LIGHTING/EXT LT/WING/AND ENG SCAN/R (1LX).
- b If there is 115VAC:
- repair the wiring from the circuit breaker (1LX) to the pin 1A of the switch (2LX).

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

EFF : ALL

SR0S

# **33-49-00**

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### **TASK 33-49-00-810-802**

#### **Failure of the Left Wing and Engine Scan Lighting**

##### **1. Possible Causes**

- LT-WING & ENG SCAN, L (3LX)
- wiring
- SW-EXT LT/WING (2LX)
- C/B-LIGHTING/EXT LT/WING/AND ENG SCAN/L (5LX)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

IPC 334908

AMM 33-49-00-710-001

Operational Test of the Wing and Engine Scan Lighting

AMM 33-49-11-000-001

Removal of the LIGHT-WING & ENGINE SCAN (3LX,4LX)

AMM 33-49-11-400-001

Installation of the LIGHT-WING & ENGINE SCAN  
(3LX,4LX)

ASM 33-49/01

##### **3. Fault Confirmation**

###### **A. Test**

Do the operational test of the wing and engine scan lighting (Ref. AMM TASK 33-49-00-710-001).

##### **4. Fault Isolation**

- A. If, during the operational test, when you set the EXT LT/WING switch (2LX) to ON, the left wing and engine scan light (3LX) does not operate correctly:
- do a check of the circuit breaker (5LX) status.

(1) If the circuit breaker is closed:

- do a check for 115VAC at the switch (2LX) pin 2B.

(a) If there is 115VAC:

- replace the LT-WING & ENG SCAN, L (3LX) (Ref. AMM TASK 33-49-11-000-001) and (Ref. AMM TASK 33-49-11-400-001).

1 If the fault continues:

- do a check for a ground signal at the left wing and engine scan light (3LX).

EFF : ALL

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## **TROUBLE SHOOTING MANUAL**

- a If there is no ground signal:
    - repair the wiring from the left wing and engine scan light (3LX) to the ground terminal (Ref. ASM 33-49/01).
  - b If there is a ground signal:
    - do a check and repair the wiring from the switch (2LX) pin 2B to the pin A/A of the left wing and engine scan light (3LX) (Ref. ASM 33-49/01).
- (b) If there is no 115VAC:
- replace the SW-EXT LT/WING (2LX) (Ref. IPC 334908).
- 1 If the fault continues:
- do a check for 115VAC at pin 3 of the circuit breaker (5LX).
- a If there is no 115VAC:
- replace the C/B-LIGHTING/EXT LT/WING/AND ENG SCAN/L (5LX)
- b If there is 115VAC:
- repair the wiring from the circuit breaker (5LX) to the pin 1B of the switch (2LX).

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

EFF :     ALL

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**TASK 33-49-00-810-803****Failure of the Integral Wing and Engine Scan Lighting****1. Possible Causes**

- SW-EXT LT/WING (2LX)

**2. Job Set-up Information**

- A. Referenced Information

---

**REFERENCE****DESIGNATION**

---

**IPC 334908****AMM 33-49-00-710-001**      Operational Test of the Wing and Engine Scan Lighting**3. Fault Confirmation**

- A. Test

Do the operational test of the wing and engine scan lighting (Ref. AMM TASK 33-49-00-710-001).

**4. Fault Isolation**

- A. If during the operational test, when you set the EXT LT/WING switch (2LX) to ON, the two wing and engine scan lights do not operate correctly:
  - replace the SW-EXT LT/WING (2LX) (Ref. IPC 334908).

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

**EFF :      ALL****SR0S****33-49-00****Page 205  
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#### **TASK 33-51-00-810-801**

**EPSU - Emergency Power-Supply Unit Fault**

##### **1. Possible Causes**

- POWER SUPPLY UNIT-EMERGENCY (10WL)
- signs and lights
- wiring
- POWER SUPPLY UNIT-EMERGENCY (11WL)
- POWER SUPPLY UNIT-EMERGENCY (12WL)
- POWER SUPPLY UNIT-EMERGENCY (13WL)
- POWER SUPPLY UNIT-EMERGENCY (14WL)
- POWER SUPPLY UNIT-EMERGENCY (15WL)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

-----		
REFERENCE		DESIGNATION
-----		-----
R	AMM 33-51-00-710-001	Operational Test of Emergency Lights
	AMM 33-51-38-000-001	Removal of the Emergency Power-Supply Unit (EPSU)
	AMM 33-51-38-400-001	Installation of the Emergency Power-Supply Unit (EPSU)
	ASM 33-51/01	
	ASM 33-51/02	
	ASM 33-51/02	
	ASM 33-51/02	
	ASM 33-51/02	
	ASM 33-51/02	
	ASM 33-51/04	
	ASM 33-51/04	
	ASM 33-51/04	

##### **3. Fault Confirmation**

- A. Do the operational test of the emergency lighting system (Ref. AMM TASK 33-51-00-710-001).**

EFF : ALL

SR0S

# **33-51-00**

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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, 229-275, 426-475, 551-599, 701-749,

B. If the operational test gives the maintenance message:

**(1) EPSU UNIT FWD L:**

- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(a) If the fault continues:**

- check all connected signs and lights for a short-circuit and replace if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04),
- if you find one or more defective signs and lights, replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(b) If the fault continues:**

- do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):
  - from EPSU (10WL) pin E to the connector(s) of the related signs and lights,
  - from EPSU (10WL) pin F to the connector(s) of the related signs and lights,
  - from EPSU (10WL) pin G to the connector(s) of the related signs and lights,
  - from EPSU (10WL) pin N to the connector(s) of the related signs and lights,
  - from EPSU (10WL) pin R to the connector(s) of the related signs and lights,
  - from EPSU (10WL) pin T to the connector(s) of the related signs and lights,
  - from EPSU (10WL) pin -B to the connector(s) of the related signs and lights,
  - from EPSU (10WL) pin -J to the connector(s) of the related signs and lights,
- if you find a short to ground in the wiring, replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(c) If the fault continues:**

- do a check and repair the wiring if necessary (Ref. ASM 33-51/01):
  - from EPSU (10WL) pin -P to DEU-B (300RH1) pin B/17,
  - from EPSU (10WL) pin X to DEU-B (300RH1) pin B/16,
  - from EPSU (10WL) pin L to GND,
  - from EPSU (10WL) pin M to GND,

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from EPSU (10WL) pin U to GND,  
from EPSU (10WL) pin -R to GND,  
from EPSU (10WL) pin -M to GND.

**(2) EPSU UNIT EMER L:**

- replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(a) If the fault continues:**

- check all connected signs and lights for a short-circuit and replace if necessary (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04),
- if you find one or more defective signs and lights, replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(b) If the fault continues:**

- do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04):  
from EPSU (11WL) pin E to the connector(s) of the related signs and lights,  
from EPSU (11WL) pin F to the connector(s) of the related signs and lights,  
from EPSU (11WL) pin G to the connector(s) of the related signs and lights,  
from EPSU (11WL) pin N to the connector(s) of the related signs and lights,  
from EPSU (11WL) pin R to the connector(s) of the related signs and lights,  
from EPSU (11WL) pin T to the connector(s) of the related signs and lights,  
from EPSU (11WL) pin -B to the connector(s) of the related signs and lights,  
from EPSU (11WL) pin -J to the connector(s) of the related signs and lights,
- if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(c) If the fault continues:**

- do a check and repair the wiring if necessary (Ref. ASM 33-51/02):  
from EPSU (11WL) pin -P to DEU-B (300RH4) pin B/17,  
from EPSU (11WL) pin X to DEU-B (300RH4) pin B/16,  
from EPSU (11WL) pin L to GND,  
from EPSU (11WL) pin M to GND,  
from EPSU (11WL) pin U to GND,  
from EPSU (11WL) pin -R to GND,  
from EPSU (11WL) pin -M to GND.

R EFF : 201-225, 227-227, 229-275, 426-475,  
551-599, 701-749,

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### **(3) EPSU UNIT EMER R:**

- replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- check all connected signs and lights for a short-circuit and replace if necessary (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04),
  - if you find one or more defective signs and lights, replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If the fault continues:
- do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04):
    - from EPSU (12WL) pin E to the connector(s) of the related signs and lights,
    - from EPSU (12WL) pin F to the connector(s) of the related signs and lights,
    - from EPSU (12WL) pin G to the connector(s) of the related signs and lights,
    - from EPSU (12WL) pin N to the connector(s) of the related signs and lights,
    - from EPSU (12WL) pin R to the connector(s) of the related signs and lights,
    - from EPSU (12WL) pin T to the connector(s) of the related signs and lights,
    - from EPSU (12WL) pin -B to the connector(s) of the related signs and lights,
    - from EPSU (12WL) pin -J to the connector(s) of the related signs and lights,
  - if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (c) If the fault continues:
- do a check and repair the wiring if necessary (Ref. ASM 33-51/02):
    - from EPSU (12WL) pin -P to DEU-B (300RH4) pin B/20,
    - from EPSU (12WL) pin X to DEU-B (300RH4) pin B/19,
    - from EPSU (12WL) pin L to GND,
    - from EPSU (12WL) pin M to GND,
    - from EPSU (12WL) pin U to GND,
    - from EPSU (12WL) pin -R to GND,
    - from EPSU (12WL) pin -M to GND.

### **(4) EPSU UNIT AFT L:**

- replace the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- check all connected signs and lights for a short-circuit and replace if necessary (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04),
  - if you find one or more defective signs and lights, replace the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If the fault continues:
- do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04):
    - from EPSU (13WL) pin E to the connector(s) of the related signs and lights,
    - from EPSU (13WL) pin F to the connector(s) of the related signs and lights,
    - from EPSU (13WL) pin G to the connector(s) of the related signs and lights,
    - from EPSU (13WL) pin N to the connector(s) of the related signs and lights,
    - from EPSU (13WL) pin R to the connector(s) of the related signs and lights,
    - from EPSU (13WL) pin T to the connector(s) of the related signs and lights,
    - from EPSU (13WL) pin -B to the connector(s) of the related signs and lights,
    - from EPSU (13WL) pin -J to the connector(s) of the related signs and lights,
  - if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (c) If the fault continues:
- do a check and repair the wiring if necessary (Ref. ASM 33-51/02):
    - from EPSU (13WL) pin -P to DEU-B (300RH5) pin B/17,
    - from EPSU (13WL) pin X to DEU-B (300RH5) pin B/16,
    - from EPSU (13WL) pin L to GND,
    - from EPSU (13WL) pin M to GND,
    - from EPSU (13WL) pin U to GND,
    - from EPSU (13WL) pin -R to GND,
    - from EPSU (13WL) pin -M to GND.

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

B. If the operational test gives the maintenance message:

(1) EPSU UNIT FWD L:

- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(a) If the fault continues:

- check all connected signs and lights for a short-circuit and replace if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04),
- if you find one or more defective signs and lights, replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(b) If the fault continues:

- do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):
  - from EPSU (10WL) pin E to the connector(s) of the related signs and lights,
  - from EPSU (10WL) pin F to the connector(s) of the related signs and lights,
  - from EPSU (10WL) pin G to the connector(s) of the related signs and lights,
  - from EPSU (10WL) pin N to the connector(s) of the related signs and lights,
  - from EPSU (10WL) pin R to the connector(s) of the related signs and lights,
  - from EPSU (10WL) pin T to the connector(s) of the related signs and lights,
  - from EPSU (10WL) pin -B to the connector(s) of the related signs and lights,
  - from EPSU (10WL) pin -J to the connector(s) of the related signs and lights,
- if you find a short to ground in the wiring, replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(c) If the fault continues:

- do a check and repair the wiring if necessary (Ref. ASM 33-51/01):
  - from EPSU (10WL) pin -P to DEU-B (300RH1) pin B/17,
  - from EPSU (10WL) pin X to DEU-B (300RH1) pin B/16,
  - from EPSU (10WL) pin L to GND,
  - from EPSU (10WL) pin M to GND,
  - from EPSU (10WL) pin U to GND,
  - from EPSU (10WL) pin -R to GND,
  - from EPSU (10WL) pin -M to GND.

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### **(2) EPSU UNIT EXIT L:**

- replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
  - check all connected signs and lights for a short-circuit and replace if necessary (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04),
  - if you find one or more defective signs and lights, replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If the fault continues:
  - do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04):
    - from EPSU (11WL) pin E to the connector(s) of the related signs and lights,
    - from EPSU (11WL) pin F to the connector(s) of the related signs and lights,
    - from EPSU (11WL) pin G to the connector(s) of the related signs and lights,
    - from EPSU (11WL) pin N to the connector(s) of the related signs and lights,
    - from EPSU (11WL) pin R to the connector(s) of the related signs and lights,
    - from EPSU (11WL) pin T to the connector(s) of the related signs and lights,
    - from EPSU (11WL) pin -B to the connector(s) of the related signs and lights,
    - from EPSU (11WL) pin -J to the connector(s) of the related signs and lights,
  - if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (c) If the fault continues:
  - do a check and repair the wiring if necessary (Ref. ASM 33-51/02):
    - from EPSU (11WL) pin -P to DEU-B (300RH4) pin B/17,
    - from EPSU (11WL) pin X to DEU-B (300RH4) pin B/16,
    - from EPSU (11WL) pin L to GND,
    - from EPSU (11WL) pin M to GND,
    - from EPSU (11WL) pin U to GND,
    - from EPSU (11WL) pin -R to GND,
    - from EPSU (11WL) pin -M to GND.

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### **(3) EPSU UNIT EXIT R:**

- replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
  
- (a) If the fault continues:
  - check all connected signs and lights for a short-circuit and replace if necessary (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04),
  - if you find one or more defective signs and lights, replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
  
- (b) If the fault continues:
  - do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04):
    - from EPSU (12WL) pin E to the connector(s) of the related signs and lights,
    - from EPSU (12WL) pin F to the connector(s) of the related signs and lights,
    - from EPSU (12WL) pin G to the connector(s) of the related signs and lights,
    - from EPSU (12WL) pin N to the connector(s) of the related signs and lights,
    - from EPSU (12WL) pin R to the connector(s) of the related signs and lights,
    - from EPSU (12WL) pin T to the connector(s) of the related signs and lights,
    - from EPSU (12WL) pin -B to the connector(s) of the related signs and lights,
    - from EPSU (12WL) pin -J to the connector(s) of the related signs and lights,
  - if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
  
- (c) If the fault continues:
  - do a check and repair the wiring if necessary (Ref. ASM 33-51/02):
    - from EPSU (12WL) pin -P to DEU-B (300RH4) pin B/20,
    - from EPSU (12WL) pin X to DEU-B (300RH4) pin B/19,
    - from EPSU (12WL) pin L to GND,
    - from EPSU (12WL) pin M to GND,
    - from EPSU (12WL) pin U to GND,
    - from EPSU (12WL) pin -R to GND,
    - from EPSU (12WL) pin -M to GND.

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### **(4) EPSU UNIT AFT L:**

- replace the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
  - check all connected signs and lights for a short-circuit and replace if necessary (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04),
  - if you find one or more defective signs and lights, replace the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If the fault continues:
  - do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04):
    - from EPSU (13WL) pin E to the connector(s) of the related signs and lights,
    - from EPSU (13WL) pin F to the connector(s) of the related signs and lights,
    - from EPSU (13WL) pin G to the connector(s) of the related signs and lights,
    - from EPSU (13WL) pin N to the connector(s) of the related signs and lights,
    - from EPSU (13WL) pin R to the connector(s) of the related signs and lights,
    - from EPSU (13WL) pin T to the connector(s) of the related signs and lights,
    - from EPSU (13WL) pin -B to the connector(s) of the related signs and lights,
    - from EPSU (13WL) pin -J to the connector(s) of the related signs and lights,
  - if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (c) If the fault continues:
  - do a check and repair the wiring if necessary (Ref. ASM 33-51/02):
    - from EPSU (13WL) pin -P to DEU-B (300RH5) pin B/17,
    - from EPSU (13WL) pin X to DEU-B (300RH5) pin B/16,
    - from EPSU (13WL) pin L to GND,
    - from EPSU (13WL) pin M to GND,
    - from EPSU (13WL) pin U to GND,
    - from EPSU (13WL) pin -R to GND,
    - from EPSU (13WL) pin -M to GND.

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**(5) EPSU UNIT MID R:**

- replace the **POWER SUPPLY UNIT-EMERGENCY (14WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
  
- (a) If the fault continues:
  - check all connected signs and lights for a short-circuit and replace if necessary (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04),
  - if you find one or more defective signs and lights, replace the **POWER SUPPLY UNIT-EMERGENCY (14WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
  
- (b) If the fault continues:
  - do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04):
    - from EPSU (14WL) pin E to the connector(s) of the related signs and lights,
    - from EPSU (14WL) pin F to the connector(s) of the related signs and lights,
    - from EPSU (14WL) pin G to the connector(s) of the related signs and lights,
    - from EPSU (14WL) pin N to the connector(s) of the related signs and lights,
    - from EPSU (14WL) pin R to the connector(s) of the related signs and lights,
    - from EPSU (14WL) pin T to the connector(s) of the related signs and lights,
    - from EPSU (14WL) pin -B to the connector(s) of the related signs and lights,
    - from EPSU (14WL) pin -J to the connector(s) of the related signs and lights,
  - if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (14WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
  
- (c) If the fault continues:
  - do a check and repair the wiring if necessary (Ref. ASM 33-51/02):
    - from EPSU (14WL) pin -P to DEU-B (300RH7) pin B/20,
    - from EPSU (14WL) pin X to DEU-B (300RH7) pin B/19,
    - from EPSU (14WL) pin L to GND,
    - from EPSU (14WL) pin M to GND,
    - from EPSU (14WL) pin U to GND,
    - from EPSU (14WL) pin -R to GND,
    - from EPSU (14WL) pin -M to GND.

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**(6) EPSU UNIT MID L:**

- replace the **POWER SUPPLY UNIT-EMERGENCY (15WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
  
- (a) If the fault continues:
  - check all connected signs and lights for a short-circuit and replace if necessary (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04),
  - if you find one or more defective signs and lights, replace the **POWER SUPPLY UNIT-EMERGENCY (15WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
  
- (b) If the fault continues:
  - do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04):
    - from EPSU (15WL) pin E to the connector(s) of the related signs and lights,
    - from EPSU (15WL) pin F to the connector(s) of the related signs and lights,
    - from EPSU (15WL) pin G to the connector(s) of the related signs and lights,
    - from EPSU (15WL) pin N to the connector(s) of the related signs and lights,
    - from EPSU (15WL) pin R to the connector(s) of the related signs and lights,
    - from EPSU (15WL) pin T to the connector(s) of the related signs and lights,
    - from EPSU (15WL) pin -B to the connector(s) of the related signs and lights,
    - from EPSU (15WL) pin -J to the connector(s) of the related signs and lights,
  - if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (15WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
  
- (c) If the fault continues:
  - do a check and repair the wiring if necessary (Ref. ASM 33-51/02):
    - from EPSU (15WL) pin -P to DEU-B (300RH7) pin B/17,
    - from EPSU (15WL) pin X to DEU-B (300RH7) pin B/16,
    - from EPSU (15WL) pin L to GND,
    - from EPSU (15WL) pin M to GND,
    - from EPSU (15WL) pin U to GND,
    - from EPSU (15WL) pin -R to GND,
    - from EPSU (15WL) pin -M to GND.

**R    \*\*ON A/C ALL**

**C. Do the test as given in the Para. 3.A.**

**R    EFF :    ALL**

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**5. Close-up**

A. Put the aircraft back to its initial configuration.

R EFF : ALL

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**TASK 33-51-00-810-802****EPSU - Battery Fault****1. Possible Causes**

- BATTERY
- POWER SUPPLY UNIT-EMERGENCY (10WL)
- POWER SUPPLY UNIT-EMERGENCY (11WL)
- POWER SUPPLY UNIT-EMERGENCY (12WL)
- POWER SUPPLY UNIT-EMERGENCY (13WL)
- POWER SUPPLY UNIT-EMERGENCY (15WL)
- POWER SUPPLY UNIT-EMERGENCY (14WL)

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

REFERENCE	DESIGNATION
AMM 33-51-00-710-001	Operational Test of Emergency Lights
AMM 33-51-00-710-006	Operational Test of Emergency Lights not with CIDS
AMM 33-51-38-000-001	Removal of the Emergency Power-Supply Unit (EPSU)
AMM 33-51-38-000-002	Removal of the Battery of the Emergency Power-Supply Unit
AMM 33-51-38-400-001	Installation of the Emergency Power-Supply Unit (EPSU)
AMM 33-51-38-400-002	Installation of the Battery of the Emergency Power-Supply Unit

**3. Fault Confirmation**

- A. Do the operational test of the emergency lighting system (Ref. AMM TASK 33-51-00-710-001).

**4. Fault Isolation**

R \*\*ON A/C 201-208, 227-227, 229-244, 426-428,

- A. If the operational test gives the maintenance message:

(1) EPSU BATTERY FWD L:

- do the operational test of the battery of the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-00-710-006).

(a) If the red BATTERY FAULT LED comes on:

- replace the BATTERY (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
- do the operational test of the battery again.

EFF : ALL

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- 1 If the fault continues:
  - replace the **POWER SUPPLY UNIT-EMERGENCY (10WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (2) **EPSU BATTERY EMER L:**
  - do the operational test of the battery of the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-00-710-006).
  - (a) If the red **BATTERY FAULT LED** comes on:
    - replace the **BATTERY** (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
    - do the operational test of the battery again.
  - 1 If the fault continues:
    - replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (3) **EPSU BATTERY EMER R:**
  - do the operational test of the battery of the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-00-710-006).
  - (a) If the red **BATTERY FAULT LED** comes on:
    - replace the **BATTERY** (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
    - do the operational test of the battery again.
  - 1 If the fault continues:
    - replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (4) **EPSU BATTERY AFT L:**
  - do the operational test of the battery of the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-00-710-006).
  - (a) If the red **BATTERY FAULT LED** comes on:
    - replace the **BATTERY** (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
    - do the operational test of the battery again.
  - 1 If the fault continues:
    - replace the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R \*\*ON A/C 209-225, 245-275, 429-475, 551-599, 701-749,

A. If the operational test gives the maintenance message:

**(1) EPSU BATTERY FWD L:**

- do the operational test of the battery of the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-00-710-006).

**(a) If the red BATT FAULT LED comes on:**

- replace the BATTERY (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
- do the operational test of the battery again.

**1 If the fault continues:**

- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(2) EPSU BATTERY EMER L:**

- do the operational test of the battery of the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-00-710-006).

**(a) If the red BATT FAULT LED comes on:**

- replace the BATTERY (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
- do the operational test of the battery again.

**1 If the fault continues:**

- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(3) EPSU BATTERY EMER R:**

- do the operational test of the battery of the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-00-710-006).

**(a) If the red BATT FAULT LED comes on:**

- replace the BATTERY (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
- do the operational test of the battery again.

**1 If the fault continues:**

- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(4) EPSU BATTERY AFT L:**

- do the operational test of the battery of the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-00-710-006).

**(a) If the red BATT FAULT LED comes on:**

- replace the BATTERY (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
- do the operational test of the battery again.

R EFF : 209-225, 245-275, 429-475, 551-599,  
701-749,

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- 1 If the fault continues:
  - replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**\*\*ON A/C 276-284, 476-478,**

**A. If the operational test gives the maintenance message:**

**(1) EPSU BATTERY FWD L:**

- do the operational test of the battery of the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-00-710-006).

**(a) If the red BATTERY FAULT LED comes on:**

- replace the BATTERY (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
- do the operational test of the battery again.

1 If the fault continues:

- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(2) EPSU BATTERY MID L:**

- do the operational test of the battery of the POWER SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK 33-51-00-710-006).

**(a) If the red BATTERY FAULT LED comes on:**

- replace the BATTERY (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002).
- do the operational test of the battery again.

1 If the fault continues:

- replace the POWER SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(3) EPSU BATTERY MID R :**

- do the operational test of the battery of the POWER SUPPLY UNIT-EMERGENCY (14WL) (Ref. AMM TASK 33-51-00-710-006).

**(a) If the red BATTERY FAULT LED comes on:**

- replace the BATTERY (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
- do the operational test of the battery again.

1 If the fault continues:

- replace the POWER SUPPLY UNIT-EMERGENCY (14WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R EFF : 209-225, 245-284, 429-478, 551-599,  
701-749,

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### **(4) EPSU BATTERY EXIT L:**

- do the operational test of the battery of the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-00-710-006).

#### **(a) If the red BATTERY FAULT LED comes on:**

- replace the **BATTERY** (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
- do the operational test of the battery again.

#### **1 If the fault continues:**

- replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

### **(5) EPSU BATTERY EXIT R:**

- do the operational test of the battery of the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-00-710-006).

#### **(a) If the red BATTERY FAULT LED comes on:**

- replace the **BATTERY** (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
- do the operational test of the battery again.

#### **1 If the fault continues:**

- replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

### **(6) EPSU BATTERY AFT L:**

- do the operational test of the battery of the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-00-710-006).

#### **(a) If the red BATTERY FAULT LED comes on:**

- replace the **BATTERY** (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
- do the operational test of the battery again.

#### **1 If the fault continues:**

- replace the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**\*\*ON A/C 285-299, 479-499, 503-549,**

**A. If the operational test gives the maintenance message:**

### **(1) EPSU BATTERY FWD L:**

- do the operational test of the battery of **POWER SUPPLY UNIT-EMERGENCY (10WL)** (Ref. AMM TASK 33-51-00-710-006).

#### **(a) If the red BATT FAULT LED comes on:**

- replace the **BATTERY** (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
- do the operational test of the battery again.

**R EFF : 276-299, 476-499, 503-549,**

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- 1 If the fault continues:
  - replace the **POWER SUPPLY UNIT-EMERGENCY (10WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (2) **EPSU BATTERY MID L :**
  - do the operational test of the battery of the **POWER SUPPLY UNIT-EMERGENCY (15WL)** (Ref. AMM TASK 33-51-00-710-006).
  - (a) If the red **BATT FAULT LED** comes on:
    - replace the **BATTERY** (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002).
    - do the operational test of the battery again.
  - 1 If the fault continues:
    - replace the **POWER SUPPLY UNIT-EMERGENCY (15WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (3) **EPSU BATTERY MID R :**
  - do the operational test of the battery of the **POWER SUPPLY UNIT-EMERGENCY (14WL)** (Ref. AMM TASK 33-51-00-710-006).
  - (a) If the red **BATT FAULT LED** comes on:
    - replace the **BATTERY** (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
    - do the operational test of the battery again.
  - 1 If the fault continues:
    - replace the **POWER SUPPLY UNIT-EMERGENCY (14WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (4) **EPSU BATTERY EXIT L :**
  - do the operational test of the battery of the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-00-710-006).
  - (a) If the red **BATT FAULT LED** comes on:
    - replace the **BATTERY** (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
    - do the operational test of the battery again.
  - 1 If the fault continues:
    - replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (5) **EPSU BATTERY EXIT R :**
  - do the operational test of the battery of the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-00-710-006).
  - (a) If the red **BATT FAULT LED** comes on:
    - replace the **BATTERY** (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
    - do the operational test of the battery again.

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- 1 If the fault continues:
  - replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(6) EPSU BATTERY AFT L:**

- do the operational test of the battery of the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-00-710-006).

**(a) If the red BATT FAULT LED comes on:**

- replace the **BATTERY** (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002),
- do the operational test of the battery again.

- 1 If the fault continues:
  - replace the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**\*\*ON A/C ALL**

**B. Do the test as given in the Para. 3.A.**

**5. Close-up**

**A. Put the aircraft back to its initial configuration.**

**EFF : ALL**

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TASK 33-51-00-810-803

EPSU - Battery Capacity Fault

**1. Possible Causes**

- BATTERY

**2. Job Set-up Information**

- A. Referenced Information

-----	
REFERENCE	DESIGNATION
-----	
R AMM 33-51-00-710-003	Check Battery Capacity
AMM 33-51-38-000-002	Removal of the Battery of the Emergency Power-Supply Unit
AMM 33-51-38-400-002	Installation of the Battery of the Emergency Power-Supply Unit

**3. Fault Confirmation**

- A. Do the operational test 'Check Battery Capacity by TEST EMER LIGHT BAT Membrane Switch' (Ref. AMM TASK 33-51-00-710-003).

**4. Fault Isolation**

- A. If after the operational test the green LED 'BAT OK' does not come on:
  - replace the related BATTERY (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002).

**NOTE** : Make sure that you install a fully charged battery.

- B. Do the operational test as given in the Para. 3.A.

**5. Close-up**

- A. Put the aircraft back to its initial configuration.

EFF : ALL

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**TASK 33-51-00-810-804****EPSU - 115 VAC Fault Message****1. Possible Causes**

- POWER SUPPLY UNIT-EMERGENCY (10WL)
- wiring
- POWER SUPPLY UNIT-EMERGENCY (11WL)
- POWER SUPPLY UNIT-EMERGENCY (12WL)
- POWER SUPPLY UNIT-EMERGENCY (13WL)
- POWER SUPPLY UNIT-EMERGENCY (15WL)
- POWER SUPPLY UNIT-EMERGENCY (14WL)

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

---

**REFERENCE****DESIGNATION**

---

AMM 33-51-00-710-001	Operational Test of Emergency Lights
AMM 33-51-38-000-001	Removal of the Emergency Power-Supply Unit (EPSU)
AMM 33-51-38-400-001	Installation of the Emergency Power-Supply Unit (EPSU)
ASM 33-51/01	

**3. Fault Confirmation****A. Test**

- (1) Do the operational test of the emergency lighting system (Ref. AMM TASK 33-51-00-710-001).

**4. Fault Isolation**

R \*\*ON A/C 201-225, 227-227, 229-275, 426-475, 551-599, 701-749,

**A. If the operational test gives the maintenance message:****(1) EPSU 115 VAC FWD L:**

- do a check for 115 VAC at the POWER SUPPLY UNIT-EMERGENCY (10WL) pin K.

**(a) If there is 115 VAC:**

- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

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- (b) If there is no 115 VAC:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (10WL) pin K and CB 3WL,  
POWER SUPPLY UNIT-EMERGENCY (10WL) pin M and GND (Ref. ASM 33-51/01).
- (2) EPSU 115 VAC EMER L:
  - do a check for 115 VAC at POWER SUPPLY UNIT-EMERGENCY (11WL) pin K.
- (a) If there is 115 VAC:
  - replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If there is no 115 VAC:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (11WL) pin K and CB 3WL,  
POWER SUPPLY UNIT-EMERGENCY (11WL) pin M and GND (Ref. ASM 33-51/01).
- (3) EPSU 115 VAC EMER R:
  - do a check for 115 VAC at  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin K.
- (a) If there is 115 VAC:
  - replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If there is no 115 VAC:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin K and CB 3WL,  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin M and GND (Ref. ASM 33-51/01).
- (4) EPSU 115 VAC AFT L:
  - do a check for 115 VAC at POWER SUPPLY UNIT-EMERGENCY (13WL) pin K.
- (a) If there is 115 VAC:
  - replace the  
POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If there is no 115 VAC:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (13WL) pin K and CB 3WL,  
POWER SUPPLY UNIT-EMERGENCY (13WL) pin M and GND (Ref. ASM 33-51/01).

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

A. If the operational test gives the maintenance message:

**(1) EPSU 115 VAC FWD L:**

- do a check for 115 VAC at POWER SUPPLY UNIT-EMERGENCY (10WL) pin K.

**(a) If there is 115 VAC:**

- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(b) If there is no 115 VAC:**

- do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (10WL) pin K and CB 3WL,  
POWER SUPPLY UNIT-EMERGENCY (10WL) pin M and GND (Ref. ASM 33-51/01).

**(2) EPSU 115 VAC MID L:**

- do a check for 115 VAC at POWER SUPPLY UNIT-EMERGENCY (15WL) pin K.

**(a) If there is 115 VAC:**

- replace the POWER SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(b) If there is no 115 VAC:**

- do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (15WL) pin K and CB 3WL,  
POWER SUPPLY UNIT-EMERGENCY (15WL) pin M and GND (Ref. ASM 33-51/01).

**(3) EPSU 115 VAC MID R:**

- do a check for 115 VAC at  
POWER SUPPLY UNIT-EMERGENCY (14WL) pin K.

**(a) If there is 115 VAC:**

- replace the POWER SUPPLY UNIT-EMERGENCY (14WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(b) If there is no 115 VAC:**

- do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (14WL) pin K and CB 3WL,  
POWER SUPPLY UNIT-EMERGENCY (14WL) pin M and GND (Ref. ASM 33-51/01).

**(4) EPSU 115 VAC EXIT L:**

- do a check for 115 VAC at POWER SUPPLY UNIT-EMERGENCY (11WL) pin K.

**(a) If there is 115 VAC:**

- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R EFF : 276-299, 476-499, 503-549,

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- (b) If there is no 115 VAC:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (11WL) pin K and CB 3WL,  
POWER SUPPLY UNIT-EMERGENCY (11WL) pin M and GND (Ref. ASM 33-51/01).
- (5) EPSU 115 VAC EXIT R:
  - do a check for 115 VAC at POWER SUPPLY UNIT-EMERGENCY (12WL) pin K.
- (a) If there is 115 VAC:
  - replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If there is no 115 VAC:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin K and CB 3WL,  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin M and GND (Ref. ASM 33-51/01).
- (6) EPSU 115 VAC AFT L:
  - do a check for 115 VAC at POWER SUPPLY UNIT-EMERGENCY (13WL) pin K.
- (a) If there is 115 VAC:
  - replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If there is no 115 VAC:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (13WL) pin K and CB 3WL,  
POWER SUPPLY UNIT-EMERGENCY (13WL) pin M and GND (Ref. ASM 33-51/01).

R \*\*ON A/C ALL

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

### 5. Close-up

A. Put the aircraft back to its initial configuration.

R EFF : ALL

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### **TASK 33-51-00-810-805**

#### **EPSU - 28 VDC Fault Message**

##### **1. Possible Causes**

- POWER SUPPLY UNIT-EMERGENCY (10WL)
- wiring
- POWER SUPPLY UNIT-EMERGENCY (11WL)
- POWER SUPPLY UNIT-EMERGENCY (12WL)
- POWER SUPPLY UNIT-EMERGENCY (13WL)
- POWER SUPPLY UNIT-EMERGENCY (15WL)
- POWER SUPPLY UNIT-EMERGENCY (14WL)

##### **2. Job Set-up Information**

###### **A. Referenced Information**

---

REFERENCE	DESIGNATION
AMM 33-51-00-710-001	Operational Test of Emergency Lights
AMM 33-51-38-000-001	Removal of the Emergency Power-Supply Unit (EPSU)
AMM 33-51-38-400-001	Installation of the Emergency Power-Supply Unit (EPSU)
ASM 33-51/01	
ASM 33-51/02	

---

##### **3. Fault Confirmation**

###### **A. Test**

- (1) Do the operational test of the emergency lighting system (Ref. AMM TASK 33-51-00-710-001).

##### **4. Fault Isolation**

R \*\*ON A/C 201-225, 227-227, 229-275, 426-475, 551-599, 701-749,

###### **A. If the operational test gives the maintenance message:**

- (1) EPSU 28 VDC FWD L:

- do a check for 28 VDC at the POWER SUPPLY UNIT-EMERGENCY (10WL).

- (a) If there is 28 VDC:

- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

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- (b) If there is no 28 VDC:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (10WL) pin V and CB 2WL,  
POWER SUPPLY UNIT-EMERGENCY (10WL) pin U and GND (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).
- (2) EPSU 28 VDC EMER L:
  - do a check for 28 VDC at the POWER SUPPLY UNIT-EMERGENCY (11WL).
- (a) If there is 28 VDC:
  - replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If there is no 28 VDC:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (11WL) pin V and CB 1WL,  
POWER SUPPLY UNIT-EMERGENCY (11WL) pin U and GND (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).
- (3) EPSU 28 VDC EMER R:
  - do a check for 28 VDC at POWER SUPPLY UNIT-EMERGENCY (12WL).
- (a) If there is 28 VDC:
  - replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If there is no 28 VDC:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin V and CB 2WL,  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin U and GND (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).
- (4) EPSU 28 VDC AFT L:
  - do a check for 28 VDC at POWER SUPPLY UNIT-EMERGENCY (13WL).
- (a) If there is 28 VDC:
  - replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If there is no 28 VDC:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (13WL) pin V and CB 1WL,  
POWER SUPPLY UNIT-EMERGENCY (13WL) pin U and GND (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).

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

A. If the operational test gives the maintenance message:

**(1) EPSU 28 VDC FWD L:**

- do a check for 28 VDC at POWER SUPPLY UNIT-EMERGENCY (10WL).

**(a) If there is 28 VDC:**

- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(b) If there is no 28 VDC:**

- do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (10WL) pin V and CB 2WL,  
POWER SUPPLY UNIT-EMERGENCY (10WL) pin U and GND (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).

**(2) EPSU 28 VDC MID L:**

- do a check for 28 VDC at POWER SUPPLY UNIT-EMERGENCY (15WL).

**(a) If there is 28 VDC:**

- replace the POWER SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(b) If there is no 28 VDC:**

- do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (15WL) pin V and CB 2WL,  
POWER SUPPLY UNIT-EMERGENCY (15WL) pin U and GND (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).

**(3) EPSU 28 VDC MID R:**

- do a check for 28 VDC at POWER SUPPLY UNIT-EMERGENCY (14WL).

**(a) If there is 28 VDC:**

- replace the POWER SUPPLY UNIT-EMERGENCY (14WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(b) If there is no 28 VDC:**

- do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (14WL) pin V and CB 1WL,  
POWER SUPPLY UNIT-EMERGENCY (14WL) pin U and GND (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).

**(4) EPSU 28 VDC EXIT L:**

- do a check for 28 VDC at POWER SUPPLY UNIT-EMERGENCY (11WL).

**(a) If there is 28 VDC:**

- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

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- (b) If there is no 28 VDC:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (11WL) pin V and CB 2WL,  
POWER SUPPLY UNIT-EMERGENCY (11WL) pin U and GND (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).
- (5) EPSU 28 VDC EXIT R:
  - do a check for 28 VDC at POWER SUPPLY UNIT-EMERGENCY (12WL).
- (a) If there is 28 VDC:
  - replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If there is no 28 VDC:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin V and CB 1WL,  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin U and GND (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).
- (6) EPSU 28 VDC AFT L:
  - do a check for 28 VDC at POWER SUPPLY UNIT-EMERGENCY (13WL).
- (a) If there is 28 VDC:
  - replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If there is no 28 VDC:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (13WL) pin V and CB 2WL,  
POWER SUPPLY UNIT-EMERGENCY (13WL) pin U and GND (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).

R \*\*ON A/C ALL

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

### 5. Close-up

A. Put the aircraft back to its initial configuration.

R EFF : ALL

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**TASK 33-51-00-810-806**

**EPSU - Communication Fault Message**

### **1. Possible Causes**

- DEU-B (300RH1)
- DEU-B (300RH4)
- DEU-B (300RH5)
- POWER SUPPLY UNIT-EMERGENCY (10WL)
- wiring
- POWER SUPPLY UNIT-EMERGENCY (11WL)
- POWER SUPPLY UNIT-EMERGENCY (12WL)
- POWER SUPPLY UNIT-EMERGENCY (13WL)
- POWER SUPPLY UNIT-EMERGENCY (15WL)
- DEU-B (300RH7)
- POWER SUPPLY UNIT-EMERGENCY (14WL)

### **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	23-73-47-000-001	Removal of the Decoder/Encoder Unit B (300RH)
AMM	23-73-47-400-001	Installation of the Decoder/Encoder Unit B (300RH)
R AMM	33-51-00-710-001	Operational Test of Emergency Lights
AMM	33-51-00-710-006	Operational Test of Emergency Lights not with CIDS
AMM	33-51-38-000-001	Removal of the Emergency Power-Supply Unit (EPSU)
AMM	33-51-38-400-001	Installation of the Emergency Power-Supply Unit (EPSU)
ASM	33-51/01	
ASM	33-51/02	
ASM	33-51/02	

### **3. Fault Confirmation**

#### **A. Test**

- (1) Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) (Ref. AMM TASK 23-73-00-740-005).
- (2) Do the operational test of the emergency lighting system (Ref. AMM TASK 33-51-00-710-001).

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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, 229-244, 426-428,

B. If the operational test gives the maintenance message:

(1) **EPSU COMM FWD L:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

(a) If no LEDs come on or a red **FAULT LED** comes on:

- replace the **POWER SUPPLY UNIT-EMERGENCY (10WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(b) If all the green **OK LEDs** come on:

- do a check and repair the wiring between:  
**POWER SUPPLY UNIT-EMERGENCY (10WL)** pin X and **DEU-B (300RH1)** connector B/16,  
**POWER SUPPLY UNIT-EMERGENCY (10WL)** pin <P and **DEU-B (300RH1)** connector B/17 (Ref. ASM 33-51/01).

(c) 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).

(2) **EPSU COMM EMER L:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

(a) If no LEDs come on or a red **FAULT LED** comes on:

- replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(b) If all the green **OK LEDs** come on:

- do a check and repair the wiring between:  
**POWER SUPPLY UNIT-EMERGENCY (11WL)** pin X and **DEU-B (300RH4)** connector B/16,  
**POWER SUPPLY UNIT-EMERGENCY (11WL)** pin <P and **DEU-B (300RH4)** connector B/17 (Ref. ASM 33-51/02).

(c) If the fault continues:

- replace the **DEU-B (300RH4)** (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).

EFF : ALL

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### **(3) EPSU COMM EMER R:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

#### **(a) If no LEDs come on or a red FAULT LED comes on:**

- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

#### **(b) If all the green OK LEDs come on:**

- do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin X and DEU-B (300RH4) connector B/19,  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin <P and DEU-B (300RH4) connector B/20 (Ref. ASM 33-51/02).

#### **(c) If the fault continues:**

- replace the DEU-B (300RH4) (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).

### **(4) EPSU COMM AFT L:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

#### **(a) If no LEDs come on or a red FAULT LED comes on:**

- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

#### **(b) If all the green OK LEDs come on:**

- do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (13WL) pin X and DEU-B (300RH5) connector B/16,  
POWER SUPPLY UNIT-EMERGENCY (13WL) pin <P and DEU-B (300RH5) connector B/17 (Ref. ASM 33-51/02).

#### **(c) 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).

**\*\*ON A/C 209-225, 245-275, 429-475, 551-599, 701-749,**

**B. If the operational test gives the maintenance message:**

### **(1) EPSU COMM FWD L:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

#### **(a) If no LEDs come on or a red FAULT LED comes on:**

- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R EFF : 201-225, 227-227, 229-275, 426-475,  
551-599, 701-749,

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- (b) If the green SYSTEM OK LED comes on:
    - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (10WL) pin X and DEU-B (300RH1)  
connector B/16,  
POWER SUPPLY UNIT-EMERGENCY (10WL) pin <P and DEU-B (300RH1)  
connector B/17 (Ref. ASM 33-51/01).
  - (c) 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).
- (2) EPSU COMM EMER L:
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).
- (a) If no LEDs come on or a red FAULT LED comes on:
    - replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
  - (b) If the green SYSTEM OK LED comes on:
    - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (11WL) pin X and DEU-B (300RH4)  
connector B/16,  
POWER SUPPLY UNIT-EMERGENCY (11WL) pin <P and DEU-B (300RH4)  
connector B/17 (Ref. ASM 33-51/02).
  - (c) If the fault continues:
    - replace the DEU-B (300RH4) (Ref. AMM TASK 23-73-47-000-001) and  
(Ref. AMM TASK 23-73-47-400-001).
- (3) EPSU COMM EMER R:
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).
- (a) If no LEDs come on or a red FAULT LED comes on:
    - replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
  - (b) If the green SYSTEM OK LED comes on:
    - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin X and DEU-B (300RH4)  
connector B/19,  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin <P and DEU-B (300RH4)  
connector B/20 (Ref. ASM 33-51/02).
  - (c) If the fault continues:
    - replace the DEU-B (300RH4) (Ref. AMM TASK 23-73-47-000-001) and  
(Ref. AMM TASK 23-73-47-400-001).

### **(4) EPSU COMM AFT L:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

#### **(a) If no LEDs come on or a red FAULT LED comes on:**

- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

#### **(b) If the green SYSTEM OK LED comes on:**

- do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (13WL) pin X and DEU-B (300RH5) connector B/16,  
POWER SUPPLY UNIT-EMERGENCY (13WL) pin <P and DEU-B (300RH5) connector B/17 (Ref. ASM 33-51/02).

#### **(c) 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).

**\*\*ON A/C 276-284, 476-478,**

### **B. If the operational test gives the maintenance message:**

#### **(1) EPSU COMM FWD L:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

#### **(a) If no LEDs come on or a red FAULT LED comes on:**

- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

#### **(b) If all the green OK LEDs come on:**

- do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (10WL) pin X and DEU-B (300RH1) connector B/16,  
POWER SUPPLY UNIT-EMERGENCY (10WL) pin <P and DEU-B (300RH1) connector B/17 (Ref. ASM 33-51/01).

#### **(c) 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).

#### **(2) EPSU COMM MID L:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

#### **(a) If no LEDs come on or a red FAULT LED comes on:**

- replace the POWER SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R EFF : 209-225, 245-284, 429-478, 551-599,  
701-749,

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- (b) If all the green OK LEDs come on:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (15WL) pin X and DEU-B (300RH7) connector B/16,  
POWER SUPPLY UNIT-EMERGENCY (15WL) pin <P and DEU-B (300RH7) connector B/17 (Ref. ASM 33-51/02).
- (c) If the fault continues:
  - replace the DEU-B (300RH7) (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).
- (3) EPSU COMM MID R:
  - do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).
- (a) If no LEDs come on or a red FAULT LED comes on:
  - replace the POWER SUPPLY UNIT-EMERGENCY (14WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If all the green OK LEDs come on:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (14WL) pin X and DEU-B (300RH7) connector B/19,  
POWER SUPPLY UNIT-EMERGENCY (14WL) pin <P and DEU-B (300RH7) connector B/20 (Ref. ASM 33-51/02).
- (c) If the fault continues:
  - replace the DEU-B (300RH7) (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).
- (4) EPSU COMM EXIT L:
  - do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).
- (a) If no LEDs come on or a red FAULT LED comes on:
  - replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If all the green OK LEDs come on:
  - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (11WL) pin X and DEU-B (300RH4) connector B/16,  
POWER SUPPLY UNIT-EMERGENCY (11WL) pin <P and DEU-B (300RH4) connector B/17 (Ref. ASM 33-51/02).
- (c) If the fault continues:
  - replace the DEU-B (300RH4) (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).

R EFF : 276-284, 476-478,

SR0S

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**(5) EPSU COMM EXIT R:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

**(a) If no LEDs come on or a red FAULT LED comes on:**

- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(b) If all the green OK LEDs come on:**

- do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin X and DEU-B (300RH4) connector B/19,  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin <P and DEU-B (300RH4) connector B/20 (Ref. ASM 33-51/02).

**(c) If the fault continues:**

- replace the DEU-B (300RH4) (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).

**(6) EPSU COMM AFT L:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

**(a) If no LEDs come on or a red FAULT LED comes on:**

- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(b) If all the green OK LEDs come on:**

- do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (13WL) pin X and DEU-B (300RH5) connector B/16,  
POWER SUPPLY UNIT-EMERGENCY (13WL) pin <P and DEU-B (300RH5) connector B/17 (Ref. ASM 33-51/02).

**(c) 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).

**R \*\*ON A/C 285-299, 479-499, 503-549,**

**B. If the operational test gives the maintenance message:**

**(1) EPSU COMM FWD L:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

**(a) If no LEDs come on or a red FAULT LED comes on:**

- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**R EFF : 276-299, 476-499, 503-549,**

**SR0S**

# **33-51-00**

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- (b) If the green SYSTEM OK LED comes on:
    - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (10WL) pin X and DEU-B (300RH1) connector B/16,  
POWER SUPPLY UNIT-EMERGENCY (10WL) pin <P and DEU-B (300RH1) connector B/17 (Ref. ASM 33-51/01).
  - (c) 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).
- (2) EPSU COMM MID L:
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).
- (a) If no LEDs come on or a red FAULT LED comes on:
    - replace the POWER SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
  - (b) If the green SYSTEM OK LED comes on:
    - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (15WL) pin X and DEU-B (300RH7) connector B/16,  
POWER SUPPLY UNIT-EMERGENCY (15WL) pin <P and DEU-B (300RH7) connector B/17 (Ref. ASM 33-51/02).
  - (c) If the fault continues:
    - replace the DEU-B (300RH7) (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).
- (3) EPSU COMM MID R:
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).
- (a) If no LEDs come on or a red FAULT LED comes on:
    - replace the POWER SUPPLY UNIT-EMERGENCY (14WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
  - (b) If the green SYSTEM OK LED comes on:
    - do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (14WL) pin X and DEU-B (300RH7) connector B/19,  
POWER SUPPLY UNIT-EMERGENCY (14WL) pin <P and DEU-B (300RH7) connector B/20 (Ref. ASM 33-51/02).
  - (c) If the fault continues:
    - replace the DEU-B (300RH7) (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).

R EFF : 285-299, 479-499, 503-549,

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### **(4) EPSU COMM EXIT L:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

#### **(a) If no LEDs come on or a red FAULT LED comes on:**

- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

#### **(b) If the green SYSTEM OK LED comes on:**

- do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (11WL) pin X and DEU-B (300RH4) connector B/16,  
POWER SUPPLY UNIT-EMERGENCY (11WL) pin <P and DEU-B (300RH4) connector B/17 (Ref. ASM 33-51/02).

#### **(c) If the fault continues:**

- replace the DEU-B (300RH4) (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).

### **(5) EPSU COMM EXIT R:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

#### **(a) If no LEDs come on or a red FAULT LED comes on:**

- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

#### **(b) If the green SYSTEM OK LED comes on:**

- do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin X and DEU-B (300RH4) connector B/19,  
POWER SUPPLY UNIT-EMERGENCY (12WL) pin <P and DEU-B (300RH4) connector B/20 (Ref. ASM 33-51/02).

#### **(c) If the fault continues:**

- replace the DEU-B (300RH4) (Ref. AMM TASK 23-73-47-000-001) and (Ref. AMM TASK 23-73-47-400-001).

### **(6) EPSU COMM AFT L:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

#### **(a) If no LEDs come on or a red FAULT LED comes on:**

- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

#### **(b) If the green SYSTEM OK LED comes on:**

- do a check and repair the wiring between:  
POWER SUPPLY UNIT-EMERGENCY (13WL) pin X and DEU-B (300RH5) connector B/16,  
POWER SUPPLY UNIT-EMERGENCY (13WL) pin <P and DEU-B (300RH5) connector B/17 (Ref. ASM 33-51/02).

R EFF : 285-299, 479-499, 503-549,

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(c) 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).

R **\*\*ON A/C ALL**

C. Do the test as given in Para. 3.A.

### 5. Close-up

A. Put the aircraft back to its initial configuration.

R EFF : ALL

SR0S

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TASK 33-51-00-810-807

EPSU - Internal Load Fault Message

**1. Possible Causes**

- lamp(s)
- LIGHT-EMERGENCY, CABIN
- wiring
- SEAT/WALL-MOUNTED EMERGENCY LIGHT
- SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT
- EXIT MARKER
- POWER SUPPLY UNIT-EMERGENCY (10WL)
- SIGN-EXIT LOCATION
- SIGN-EXIT MARKING
- R - lights, signs and markers
- SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHT
- POWER SUPPLY UNIT-EMERGENCY (11WL)
- ESCAPE HATCH-HANDLE LIGHT
- POWER SUPPLY UNIT-EMERGENCY (12WL)
- POWER SUPPLY UNIT-EMERGENCY (15WL)
- POWER SUPPLY UNIT-EMERGENCY (14WL)
- POWER SUPPLY UNIT-EMERGENCY (13WL)

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

REFERENCE	DESIGNATION
AMM 33-51-00-710-001	Operational Test of Emergency Lights
AMM 33-51-00-710-009	Check all Cabin Lights and Signs for correct illumination
AMM 33-51-11-000-001	Removal of the Cabin Emergency Lights
AMM 33-51-11-400-001	Installation of the Cabin Emergency Light
AMM 33-51-13-000-001	Removal of the Cabin Wall-Mounted Emergency-Exit-Markers
AMM 33-51-13-400-001	Installation of the Cabin Wall-Mounted Emergency-Exit-Markers
AMM 33-51-16-000-001	Removal of the Emergency Exit Sign
AMM 33-51-16-400-001	Installation of the Emergency Exit Sign
AMM 33-51-17-000-001	Removal of the Emergency Exit Location-Sign
AMM 33-51-17-400-001	Installation of the Emergency Exit Location-Sign
AMM 33-51-18-000-001	Removal of the Seat/Wall-Mounted Emergency-Exit Location-Light
AMM 33-51-18-400-001	Installation of the Seat/Wall-Mounted Emergency-Exit Location-Light
AMM 33-51-19-000-001	Removal of the Seat/Wall-Mounted Emergency Light
AMM 33-51-19-000-003	Removal of the Seat/Wall-Mounted Emergency Light
AMM 33-51-19-400-001	Installation of the Seat/Wall-Mounted Emergency Light

EFF : ALL

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REFERENCE	DESIGNATION
AMM 33-51-19-400-003	Installation of the Seat/Wall-Mounted Emergency Light
AMM 33-51-38-000-001	Removal of the Emergency Power-Supply Unit (EPSU)
AMM 33-51-38-400-001	Installation of the Emergency Power-Supply Unit (EPSU)
ASM 33-51/01	
ASM 33-51/01	
ASM 33-51/02	
ASM 33-51/02	
ASM 33-51/02	
ASM 33-51/04	
ASM 33-51/04	
ASM 33-51/04	
TSM 33-51-00-810-808	EPSU - External Load Fault

### 3. Fault Confirmation

- A. Do the operational test of the emergency lighting through the CIDS (Ref. AMM TASK 33-51-00-710-001).

### 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, 229-250, 252-253, 276-299, 426-455, 476-499,  
R 503-549, 551-599, 701-749,

- B. If the test gives the maintenance message EPSU INT LOAD FWD L, do the operational test of the emergency cabin lights and signs (Ref. AMM TASK 33-51-00-710-009).

NOTE : The time to do this test must not be more than 1 minute. This is to prevent the discharge of the emergency lighting batteries.

- (1) If one or more lamps of the LIGHTS-EMERGENCY, CABIN related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:  
- replace the lamp(s).

- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related LIGHT-EMERGENCY, CABIN (Ref. ASM 33-51/01).

- 1 If there are approx. 6 VDC:  
- replace the related LIGHT-EMERGENCY, CABIN (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).

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- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:
    - POWER SUPPLY UNIT-EMERGENCY (10WL) connector A/E or G and the related LIGHT-EMERGENCY, CABIN
    - related LIGHT-EMERGENCY, CABIN and GND (Ref. ASM 33-51/01).
- (2) If one or more lamps of the SEAT/WALL-MOUNTED EMERGENCY LIGHTS or the SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SEAT/WALL-MOUNTED EMERGENCY LIGHT or SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT (Ref. ASM 33-51/04).
- 1 If there are approx. 6 VDC:
- replace the related SEAT/WALL-MOUNTED EMERGENCY LIGHT (Ref. AMM TASK 33-51-19-000-001) and (Ref. AMM TASK 33-51-19-400-001) or SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT (Ref. AMM TASK 33-51-18-000-001) and (Ref. AMM TASK 33-51-18-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:
    - POWER SUPPLY UNIT-EMERGENCY (10WL) connector A/E or G and the related SEAT/WALL-MOUNTED EMERGENCY LIGHT or SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT
    - related SEAT/WALL-MOUNTED EMERGENCY LIGHT or SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT and GND (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04).
- (3) If one or more lamps of the EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related EXIT MARKER (Ref. ASM 33-51/04).
- 1 If there are approx. 6 VDC:
- replace the related EXIT MARKER (Ref. AMM TASK 33-51-13-000-001) and (Ref. AMM TASK 33-51-13-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:
    - POWER SUPPLY UNIT-EMERGENCY (10WL) connector A/E or G and the related EXIT MARKER
    - related EXIT MARKER and GND (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04).

- (4) If all the LIGHTS-EMERGENCY, CABIN, the SEAT/WALL-MOUNTED EMERGENCY LIGHTS, the SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHTS and the EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (5) If one or more lamps of the SIGNS-EXIT LOCATION or the SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING (Ref. ASM 33-51/01).
- 1 If there are approx. 6 VDC:
- replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref. AMM TASK 33-51-16-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:
    - POWER SUPPLY UNIT-EMERGENCY (10WL) connector A/N or R and the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING
    - related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND (Ref. ASM 33-51/01).
- (6) If all the SIGNS-EXIT LOCATION and the SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- do a check and repair the wiring between the:
    - POWER SUPPLY UNIT-EMERGENCY (10WL) connector A/<F and the Relay (8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/01).
- (7) If all the lights, the signs and the markers related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- check all connected lights, signs and markers for a short-circuit and replace if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04),
  - if you find one or more defective lights, signs and markers, replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- (b) If the fault continues:
- do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
from EPSU (10WL) pin E to the connector(s) of the related signs and lights,  
from EPSU (10WL) pin G to the connector(s) of the related signs and lights,  
from EPSU (10WL) pin N to the connector(s) of the related signs and lights,  
from EPSU (10WL) pin R to the connector(s) of the related signs and lights,
  - if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (10WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (c) If the fault continues:
- do the trouble shooting procedure EPSU - External Load Fault (Ref. TSM TASK 33-51-00-810-808).

**\*\*ON A/C 251-251,**

- B.** If the test gives the maintenance message **EPSU INT LOAD FWD L**, do the operational test of the emergency cabin lights and signs (Ref. AMM TASK 33-51-00-710-009).

**NOTE :** The time to do this test must not be more than 1 minute. This is to prevent the discharge of the emergency lighting batteries.

- (1) If one or more lamps of the **LIGHTS-EMERGENCY, CABIN** related to the **POWER SUPPLY UNIT-EMERGENCY (10WL)** do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related **LIGHT-EMERGENCY, CABIN** (Ref. ASM 33-51/01).
- 1 If there are approx. 6 VDC:
- replace the related **LIGHT-EMERGENCY, CABIN** (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:
    - **POWER SUPPLY UNIT-EMERGENCY (10WL)** connector A/E or G and the related **LIGHT-EMERGENCY, CABIN**
    - related **LIGHT-EMERGENCY, CABIN** and **GND** (Ref. ASM 33-51/01).
- (2) If all the **LIGHTS-EMERGENCY, CABIN** related to the **POWER SUPPLY UNIT-EMERGENCY (10WL)** do not come on:
- replace the **POWER SUPPLY UNIT-EMERGENCY (10WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

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- (3) If one or more lamps of the SIGNS-EXIT LOCATION or the SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:  
- replace the lamp(s).

- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING (Ref. ASM 33-51/01).

- 1 If there are approx. 6 VDC:  
- replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref. AMM TASK 33-51-16-400-001).

- 2 If there are no 6 VDC:  
- do a check and repair the wiring between the:  
- POWER SUPPLY UNIT-EMERGENCY (10WL) connector A/N or R and the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING  
- related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND (Ref. ASM 33-51/01).

- (4) If all the SIGNS-EXIT LOCATION and the SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- (a) If the fault continues:  
- do a check and repair the wiring between the:  
- POWER SUPPLY UNIT-EMERGENCY (10WL) connector A/<F and the Relay (8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/01).

- (5) If all the lights and signs related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (a) If the fault continues:  
R - check all connected lights, signs and markers for a  
R short-circuit and replace if necessary (Ref. ASM 33-51/01) and  
R (Ref. ASM 33-51/04),  
R - if you find one or more defective lights, signs and markers,  
R replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK  
R 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (b) If the fault continues:  
R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (10WL) pin E to the connector(s) of the related signs  
R and lights,

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R from EPSU (10WL) pin G to the connector(s) of the related signs  
R and lights,  
R from EPSU (10WL) pin N to the connector(s) of the related signs  
R and lights,  
R from EPSU (10WL) pin R to the connector(s) of the related signs  
R and lights,  
R - if you find a short to ground in the wiring, replace the **POWER**  
R **SUPPLY UNIT-EMERGENCY (10WL)** (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).

R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - External Load Fault  
R (Ref. TSM TASK 33-51-00-810-808).

**\*\*ON A/C 254-275,**

R **B. If the test gives the maintenance message EPSU INT LOAD FWD L, do the**  
**operational test of the emergency cabin lights and signs (Ref. AMM TASK**  
**33-51-00-710-009).**

**NOTE** : The time to do this test must not be more than 1 minute. This is  
to prevent the discharge of the emergency lighting batteries.

(1) If one or more lamps of the **LIGHTS-EMERGENCY, CABIN** related to the  
**POWER SUPPLY UNIT-EMERGENCY (10WL)** do not come on:  
- replace the lamp(s).

(a) If the fault continues:  
- do a check for approx. 6 VDC at the related **LIGHT-EMERGENCY,**  
**CABIN** (Ref. ASM 33-51/01).

1 If there are approx. 6 VDC:  
- replace the related **LIGHT-EMERGENCY, CABIN** (Ref. AMM TASK  
33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).

2 If there are no 6 VDC:  
- do a check and repair the wiring between the:  
**POWER SUPPLY UNIT-EMERGENCY (10WL)** connector A/E or G and  
the related **LIGHT-EMERGENCY, CABIN,**  
related **LIGHT-EMERGENCY, CABIN** and **GND** (Ref. ASM 33-51/01).

(2) If one or more lamps of the **EXIT MARKERS** related to the **POWER SUPPLY**  
**UNIT-EMERGENCY (10WL)** do not come on:  
- replace the lamp(s).

(a) If the fault continues:  
- do a check for approx. 6 VDC at the related **EXIT MARKER** (Ref.  
ASM 33-51/04).

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- 1 If there are approx. 6 VDC:
    - replace the related EXIT MARKER (Ref. AMM TASK 33-51-13-000-001) and (Ref. AMM TASK 33-51-13-400-001).
  - 2 If there are no 6 VDC:
    - do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (10WL) connector A/E or G and the related EXIT MARKER,  
related EXIT MARKER and GND (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04).
- (3) If all LIGHTS-EMERGENCY, CABIN and EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (4) If one or more lamps of the SIGNS-EXIT LOCATION or SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING (Ref. ASM 33-51/01).
- 1 If there are approx. 6 VDC:
    - replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or  
SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref. AMM TASK 33-51-16-400-001).
  - 2 If there are no 6 VDC:
    - do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (10WL) connector A/N or R and the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING,  
related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND (Ref. ASM 33-51/01).
- (5) If all SIGNS-EXIT LOCATION and SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (10WL) connector A/<F and the Relay (8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/01).
- (6) If all lights, signs and markers related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

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- R (a) If the fault continues:  
R - check all connected lights, signs and markers for a  
R short-circuit and replace if necessary (Ref. ASM 33-51/01) and  
R (Ref. ASM 33-51/04),  
R - if you find one or more defective lights, signs and markers,  
R replace the **POWER SUPPLY UNIT-EMERGENCY (10WL)** (Ref. AMM TASK  
R 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- R (b) If the fault continues:  
R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (10WL) pin E to the connector(s) of the related signs  
R and lights,  
R from EPSU (10WL) pin G to the connector(s) of the related signs  
R and lights,  
R from EPSU (10WL) pin N to the connector(s) of the related signs  
R and lights,  
R from EPSU (10WL) pin R to the connector(s) of the related signs  
R and lights,  
R - if you find a short to ground in the wiring, replace the **POWER**  
R **SUPPLY UNIT-EMERGENCY (10WL)** (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).
- R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - External Load Fault  
R (Ref. TSM TASK 33-51-00-810-808).

**\*\*ON A/C 456-475,**

- R B. If the test gives the maintenance message **EPSU INT LOAD FWD L**, do the  
operational test of the emergency cabin lights and signs (Ref. AMM TASK  
33-51-00-710-009).

**NOTE** : The time to do this test must not be more than 1 minute. This is  
to prevent the discharge of the emergency lighting batteries.

- (1) If one or more lamps of the **LIGHTS-EMERGENCY, CABIN** related to the  
**POWER SUPPLY UNIT-EMERGENCY (10WL)** do not come on:  
- replace the lamp(s).

- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related **LIGHT-EMERGENCY,**  
**CABIN** (Ref. ASM 33-51/01).

- 1 If there are approx. 6 VDC:  
- replace the related **LIGHT-EMERGENCY, CABIN** (Ref. AMM TASK  
33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).

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- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (10WL) connector A/E or G and  
the related LIGHT-EMERGENCY, CABIN,  
related LIGHT-EMERGENCY, CABIN and GND (Ref. ASM 33-51/01).
- (2) If all LIGHTS-EMERGENCY, CABIN related to the POWER SUPPLY  
UNIT-EMERGENCY (10WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-  
51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (3) If one or more lamps of the SEAT/WALL-MOUNTED EMERGENCY LIGHTS or  
SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHTS or EXIT MARKERS  
related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SEAT/WALL-MOUNTED  
EMERGENCY LIGHT or SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION  
LIGHTS or EXIT MARKER (Ref. ASM 33-51/04).
- 1 If there are approx. 6 VDC:
- replace the related SEAT/WALL-MOUNTED EMERGENCY LIGHT (Ref.  
AMM TASK 33-51-19-000-003) and (Ref. AMM TASK 33-51-19-400-  
003) or SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHT  
(Ref. AMM TASK 33-51-18-000-001) and (Ref. AMM TASK 33-51-  
18-400-001) or EXIT MARKER (Ref. AMM TASK 33-51-13-000-001)  
and (Ref. AMM TASK 33-51-13-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (10WL) connector A/<B or <J and  
the related SEAT/WALL-MOUNTED EMERGENCY LIGHT or  
SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHT or EXIT  
MARKER,  
related SEAT/WALL-MOUNTED EMERGENCY LIGHT or  
SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHT or EXIT  
MARKER and GND (Ref. ASM 33-51/04).
- (4) If all SEAT/WALL-MOUNTED EMERGENCY LIGHTS and SEAT/WALL-MOUNTED  
EMERGENCY-EXIT-LOCATION LIGHTS and EXIT MARKERS related to the POWER  
SUPPLY UNIT-EMERGENCY (10WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-  
51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (5) If one or more lamps of the SIGNS-EXIT LOCATION or SIGNS-EXIT MARKING  
related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION  
or SIGN-EXIT MARKING (Ref. ASM 33-51/01).

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- 1 If there are approx. 6 VDC:
    - replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref. AMM TASK 33-51-16-400-001).
  - 2 If there are no 6 VDC:
    - do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (10WL) connector A/N or R and the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING, related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND (Ref. ASM 33-51/01).
- (6) If all SIGNS-EXIT LOCATION and SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (10WL) connector A/<F and the Relay (8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/01).
- (7) If all lights, signs and markers related to the POWER SUPPLY UNIT-EMERGENCY (10WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- R (a) If the fault continues:
- R - check all connected lights, signs and markers for a
- R short-circuit and replace if necessary (Ref. ASM 33-51/01) and
- R (Ref. ASM 33-51/04),
- R - if you find one or more defective lights, signs and markers,
- R replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK
- R 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- R (b) If the fault continues:
- R - do a check for a short to ground and repair the wiring if
- R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):
- R from EPSU (10WL) pin E to the connector(s) of the related signs
- R and lights,
- R from EPSU (10WL) pin G to the connector(s) of the related signs
- R and lights,
- R from EPSU (10WL) pin N to the connector(s) of the related signs
- R and lights,
- R from EPSU (10WL) pin R to the connector(s) of the related signs
- R and lights,
- R - if you find a short to ground in the wiring, replace the POWER
- R SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001)
- R and (Ref. AMM TASK 33-51-38-400-001).

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- (c) If the fault continues:
- do the trouble shooting procedure EPSU - External Load Fault (Ref. TSM TASK 33-51-00-810-808).

R **\*\*ON A/C 201-225, 227-227, 229-250, 252-253, 426-455, 551-599, 701-749,**

- C. If the test gives the maintenance message EPSU INT LOAD EMER L, do the operational test of the emergency cabin lights and signs (Ref. AMM TASK 33-51-00-710-009).

**NOTE** : The time to do this test must not be more than 1 minute. This is to prevent the discharge of the emergency lighting batteries.

- (1) If one or more lamps of the LIGHTS-EMERGENCY, CABIN related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:
- replace the lamp(s).

- (a) If the fault continues:
- do a check for approx. 6 VDC at the related LIGHT-EMERGENCY, CABIN (Ref. ASM 33-51/02).

- 1 If there are approx. 6 VDC:
- replace the related LIGHT-EMERGENCY, CABIN (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).

- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (11WL) connector A/E or G and  
the related LIGHT-EMERGENCY, CABIN,  
related LIGHT-EMERGENCY, CABIN and GND (Ref. ASM 33-51/02).

- (2) If one or more lamps of the SEAT/WALL-MOUNTED EMERGENCY LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:
- replace the lamp(s).

- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SEAT/WALL-MOUNTED EMERGENCY LIGHT (Ref. ASM 33-51/04).

- 1 If there are approx. 6 VDC:
- replace the related SEAT/WALL-MOUNTED EMERGENCY LIGHT (Ref. AMM TASK 33-51-19-000-001) and (Ref. AMM TASK 33-51-19-400-001).

- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (11WL) connector A/E or G and  
the related SEAT/WALL-MOUNTED EMERGENCY LIGHT,  
related SEAT/WALL-MOUNTED EMERGENCY LIGHT and GND (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04).

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426-475, 551-599, 701-749,

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- (3) If all LIGHTS-EMERGENCY, CABIN and SEAT/WALL-MOUNTED EMERGENCY LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (4) If one or more lamps of the SIGNS-EXIT LOCATION or SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:
- replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref. AMM TASK 33-51-16-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (11WL) connector A/N or R and the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING, related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND (Ref. ASM 33-51/02).
- (5) If one or more lamps of the ESCAPE HATCH-HANDLE LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related ESCAPE HATCH-HANDLE LIGHT (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:
- replace the related ESCAPE HATCH-HANDLE LIGHT (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (11WL) connector A/N or R and the related ESCAPE HATCH-HANDLE LIGHT, related ESCAPE HATCH-HANDLE LIGHT and GND (Ref. ASM 33-51/02).
- (6) If all SIGNS-EXIT LOCATION, SIGNS-EXIT MARKING and ESCAPE HATCH-HANDLE LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

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- (a) If the fault continues:
- do a check and repair the wiring between the:  
**POWER SUPPLY UNIT-EMERGENCY (11WL)** connector A/<F and the Relay  
(8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).

- (7) If all lights and signs related to the **POWER SUPPLY UNIT-EMERGENCY (11WL)** do not come on:
- replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- (a) If the fault continues:
- check all connected lights, signs and markers for a short-circuit and replace if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04),
  - if you find one or more defective lights, signs and markers, replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- (b) If the fault continues:
- do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
from EPSU (11WL) pin E to the connector(s) of the related signs and lights,  
from EPSU (11WL) pin G to the connector(s) of the related signs and lights,  
from EPSU (11WL) pin N to the connector(s) of the related signs and lights,  
from EPSU (11WL) pin R to the connector(s) of the related signs and lights,
  - if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- (c) If the fault continues:
- do the trouble shooting procedure **EPSU - External Load Fault** (Ref. TSM TASK 33-51-00-810-808).

**\*\*ON A/C 251-251, 254-275,**

- C. If the test gives the maintenance message **EPSU INT LOAD EMER L**, do the operational test of the emergency cabin lights and signs (Ref. AMM TASK 33-51-00-710-009).

**NOTE** : The time to do this test must not be more than 1 minute. This is to prevent the discharge of the emergency lighting batteries.

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- (1) If one or more lamps of the LIGHTS-EMERGENCY, CABIN related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:  
- replace the lamp(s).
- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related LIGHT-EMERGENCY, CABIN (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:  
- replace the related LIGHT-EMERGENCY, CABIN (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).
- 2 If there are no 6 VDC:  
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (11WL) connector A/E or G and  
the related LIGHT-EMERGENCY, CABIN,  
related LIGHT-EMERGENCY, CABIN and GND (Ref. ASM 33-51/02).
- (2) If all LIGHTS-EMERGENCY, CABIN related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (3) If one or more lamps of the SIGNS-EXIT LOCATION or SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:  
- replace the lamp(s).
- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:  
- replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or  
SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref. AMM TASK 33-51-16-400-001).
- 2 If there are no 6 VDC:  
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (11WL) connector A/N or R and  
the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING,  
related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND  
(Ref. ASM 33-51/02).
- (4) If one or more lamps of the ESCAPE HATCH-HANDLE LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:  
- replace the lamp(s).
- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related ESCAPE HATCH-HANDLE LIGHT (Ref. ASM 33-51/02).

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- 1 If there are approx. 6 VDC:
    - replace the related ESCAPE HATCH-HANDLE LIGHT (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).
  - 2 If there are no 6 VDC:
    - do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (11WL) connector A/N or R and  
the related ESCAPE HATCH-HANDLE LIGHT,  
related ESCAPE HATCH-HANDLE LIGHT and GND (Ref. ASM 33-51/02).
- (5) If all SIGNS-EXIT LOCATION, SIGNS-EXIT MARKING and ESCAPE HATCH-HANDLE LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (11WL) connector A/<F and the Relay (8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).
- (6) If all lights and signs related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (a) If the fault continues:
- R - check all connected lights, signs and markers for a
- R short-circuit and replace if necessary (Ref. ASM 33-51/01) and
- R (Ref. ASM 33-51/04),
- R - if you find one or more defective lights, signs and markers,
- R replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK
- R 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- R (b) If the fault continues:
- R - do a check for a short to ground and repair the wiring if
- R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):
- R from EPSU (11WL) pin E to the connector(s) of the related signs
- R and lights,
- R from EPSU (11WL) pin G to the connector(s) of the related signs
- R and lights,
- R from EPSU (11WL) pin N to the connector(s) of the related signs
- R and lights,
- R from EPSU (11WL) pin R to the connector(s) of the related signs
- R and lights,
- R - if you find a short to ground in the wiring, replace the POWER
- R SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001)
- R and (Ref. AMM TASK 33-51-38-400-001).

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- R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - External Load Fault  
R (Ref. TSM TASK 33-51-00-810-808).

**\*\*ON A/C 456-475,**

- R C. If the test gives the maintenance message EPSU INT LOAD EMER L, do the operational test of the emergency cabin lights and signs (Ref. AMM TASK 33-51-00-710-009).

**NOTE** : The time to do this test must not be more than 1 minute. This is to prevent the discharge of the emergency lighting batteries.

- (1) If one or more lamps of the LIGHTS-EMERGENCY, CABIN related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:  
- replace the lamp(s).
- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related LIGHT-EMERGENCY, CABIN (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:  
- replace the related LIGHT-EMERGENCY, CABIN (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).
- 2 If there are no 6 VDC:  
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (11WL) connector A/E or G and the related LIGHT-EMERGENCY, CABIN,  
related LIGHT-EMERGENCY, CABIN and GND (Ref. ASM 33-51/02).
- (2) If all LIGHTS-EMERGENCY, CABIN related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (3) If one or more lamps of the SEAT/WALL-MOUNTED EMERGENCY LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:  
- replace the lamp(s).
- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related SEAT/WALL-MOUNTED EMERGENCY LIGHT (Ref. ASM 33-51/04), (Ref. ASM 33-51/04) and (Ref. ASM 33-51/04).
- 1 If there are approx. 6 VDC:  
- replace the related SEAT/WALL-MOUNTED EMERGENCY LIGHT (Ref. AMM TASK 33-51-19-000-003) and (Ref. AMM TASK 33-51-19-400-003).

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- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (11WL) connector A/<B or <J and  
the related SEAT/WALL-MOUNTED EMERGENCY LIGHT,  
related SEAT/WALL-MOUNTED EMERGENCY LIGHT and GND (Ref. ASM  
33-51/04), (Ref. ASM 33-51/04) and (Ref. ASM 33-51/04).
- (4) If all SEAT/WALL-MOUNTED EMERGENCY LIGHTS related to the POWER SUPPLY  
UNIT-EMERGENCY (11WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-  
51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (5) If one or more lamps of the SIGNS-EXIT LOCATION or SIGNS-EXIT MARKING  
or ESCAPE HATCH-HANDLE LIGHTS related to the POWER SUPPLY  
UNIT-EMERGENCY (11WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION  
or SIGN-EXIT MARKING or ESCAPE HATCH-HANDLE LIGHT (Ref. ASM 33-  
51/02).
- 1 If there are approx. 6 VDC:
- replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-  
17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or  
SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref.  
AMM TASK 33-51-16-400-001) or ESCAPE HATCH-HANDLE LIGHT  
(Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-  
11-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (11WL) connector A/N or R and  
the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING or  
ESCAPE HATCH-HANDLE LIGHT,  
related SIGN-EXIT LOCATION or SIGN-EXIT MARKING or ESCAPE  
HATCH-HANDLE LIGHT and GND (Ref. ASM 33-51/02).
- (6) If all SIGNS-EXIT LOCATION and SIGNS-EXIT MARKING and ESCAPE  
HATCH-HANDLE LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (11WL)  
do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-  
51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (11WL) connector A/<F and the Relay  
(8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-  
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(7) If all lights and signs related to the **POWER SUPPLY UNIT-EMERGENCY (11WL)** do not come on:

- replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(a) If the fault continues:

- check all connected lights, signs and markers for a short-circuit and replace if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04),
- if you find one or more defective lights, signs and markers, replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(b) If the fault continues:

- do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
from EPSU (11WL) pin E to the connector(s) of the related signs and lights,  
from EPSU (11WL) pin G to the connector(s) of the related signs and lights,  
from EPSU (11WL) pin N to the connector(s) of the related signs and lights,  
from EPSU (11WL) pin R to the connector(s) of the related signs and lights,
- if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(c) If the fault continues:

- do the trouble shooting procedure EPSU - External Load Fault (Ref. TSM TASK 33-51-00-810-808).

R \*\*ON A/C 201-225, 227-227, 229-250, 252-253, 426-455, 551-599, 701-749,

D. If the test gives the maintenance message **EPSU INT LOAD EMER R**, do the operational test of the emergency cabin lights and signs (Ref. AMM TASK 33-51-00-710-009).

**NOTE** : The time to do this test must not be more than 1 minute. This is to prevent the discharge of the emergency lighting batteries.

(1) If one or more lamps of the **LIGHTS-EMERGENCY, CABIN** related to the **POWER SUPPLY UNIT-EMERGENCY (12WL)** do not come on:

- replace the lamp(s).

(a) If the fault continues:

- do a check for approx. 6 VDC at the related **LIGHT-EMERGENCY, CABIN** (Ref. ASM 33-51/02).

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- 1 If there are approx. 6 VDC:
    - replace the related LIGHT-EMERGENCY, CABIN (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).
  - 2 If there are no 6 VDC:
    - do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/E or G and  
the related LIGHT-EMERGENCY, CABIN,  
related LIGHT-EMERGENCY, CABIN and GND (Ref. ASM 33-51/02).
- (2) If one or more lamps of the SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
  - replace the lamp(s).
- (a) If the fault continues:
  - do a check for approx. 6 VDC at the related SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT (Ref. ASM 33-51/04).
- 1 If there are approx. 6 VDC:
    - replace the related SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT (Ref. AMM TASK 33-51-18-000-001) and (Ref. AMM TASK 33-51-18-400-001).
  - 2 If there are no 6 VDC:
    - do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/E or G and  
the related SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT,  
related SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT and  
GND (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04).
- (3) If one or more lamps of the EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
  - replace the lamp(s).
- (a) If the fault continues:
  - do a check for approx. 6 VDC at the related EXIT MARKER (Ref. ASM 33-51/04).
- 1 If there are approx. 6 VDC:
    - replace the related EXIT MARKER (Ref. AMM TASK 33-51-13-000-001) and (Ref. AMM TASK 33-51-13-400-001).
  - 2 If there are no 6 VDC:
    - do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/E or G and  
the related EXIT MARKER,  
related EXIT MARKER and GND (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04).

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- (4) If all LIGHTS-EMERGENCY, CABIN, SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHTS and EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (5) If one or more lamps of the SIGNS-EXIT LOCATION or SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:
- replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref. AMM TASK 33-51-16-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/N or R and the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING, related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND (Ref. ASM 33-51/02).
- (6) If one or more lamps of the ESCAPE HATCH-HANDLE LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related ESCAPE HATCH-HANDLE LIGHT (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:
- replace the related ESCAPE HATCH-HANDLE LIGHT (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/N or R and the related ESCAPE HATCH-HANDLE LIGHT, related ESCAPE HATCH-HANDLE LIGHT and GND (Ref. ASM 33-51/02).
- (7) If all SIGNS-EXIT LOCATION, SIGNS-EXIT MARKING and ESCAPE HATCH-HANDLE LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

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- (a) If the fault continues:
  - do a check and repair the wiring between the:  
**POWER SUPPLY UNIT-EMERGENCY (12WL)** connector A/<F and the Relay (8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).
- (8) If all lights, signs and markers related to the **POWER SUPPLY UNIT-EMERGENCY (12WL)** do not come on:
  - replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
  - check all connected lights, signs and markers for a short-circuit and replace if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04),
  - if you find one or more defective lights, signs and markers, replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If the fault continues:
  - do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
from EPSU (12WL) pin E to the connector(s) of the related signs and lights,  
from EPSU (12WL) pin G to the connector(s) of the related signs and lights,  
from EPSU (12WL) pin N to the connector(s) of the related signs and lights,  
from EPSU (12WL) pin R to the connector(s) of the related signs and lights,
  - if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (c) If the fault continues:
  - do the trouble shooting procedure EPSU - External Load Fault (Ref. TSM TASK 33-51-00-810-808).

**\*\*ON A/C 251-251,**

- D. If the test gives the maintenance message **EPSU INT LOAD EMER R**, do the operational test of the emergency cabin lights and signs (Ref. AMM TASK 33-51-00-710-009).

**NOTE** : The time to do this test must not be more than 1 minute. This is to prevent the discharge of the emergency lighting batteries.

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- (1) If one or more lamps of the LIGHTS-EMERGENCY, CABIN related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:  
- replace the lamp(s).
- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related LIGHT-EMERGENCY, CABIN (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:  
- replace the related LIGHT-EMERGENCY, CABIN (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).
- 2 If there are no 6 VDC:  
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/E or G and  
the related LIGHT-EMERGENCY, CABIN,  
related LIGHT-EMERGENCY, CABIN and GND (Ref. ASM 33-51/02).
- (2) If all LIGHTS-EMERGENCY, CABIN related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (3) If one or more lamps of the SIGNS-EXIT LOCATION or SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:  
- replace the lamp(s).
- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:  
- replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or  
SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref. AMM TASK 33-51-16-400-001).
- 2 If there are no 6 VDC:  
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/N or R and  
the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING,  
related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND  
(Ref. ASM 33-51/02).
- (4) If one or more lamps of the ESCAPE HATCH-HANDLE LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:  
- replace the lamp(s).
- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related ESCAPE HATCH-HANDLE LIGHT (Ref. ASM 33-51/02).

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- 1 If there are approx. 6 VDC:
    - replace the related ESCAPE HATCH-HANDLE LIGHT (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).
  - 2 If there are no 6 VDC:
    - do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/N or R and  
the related ESCAPE HATCH-HANDLE LIGHT,  
related ESCAPE HATCH-HANDLE LIGHT and GND (Ref. ASM 33-51/02).
- (5) If all SIGNS-EXIT LOCATION, SIGNS-EXIT MARKING and ESCAPE HATCH-HANDLE LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/<F and the Relay (8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).
- (6) If all lights and signs related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (a) If the fault continues:
- R - check all connected lights, signs and markers for a
- R short-circuit and replace if necessary (Ref. ASM 33-51/01) and
- R (Ref. ASM 33-51/04),
- R - if you find one or more defective lights, signs and markers,
- R replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK
- R 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- R (b) If the fault continues:
- R - do a check for a short to ground and repair the wiring if
- R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):
- R from EPSU (12WL) pin E to the connector(s) of the related signs
- R and lights,
- R from EPSU (12WL) pin G to the connector(s) of the related signs
- R and lights,
- R from EPSU (12WL) pin N to the connector(s) of the related signs
- R and lights,
- R from EPSU (12WL) pin R to the connector(s) of the related signs
- R and lights,
- R - if you find a short to ground in the wiring, replace the POWER
- R SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001)
- R and (Ref. AMM TASK 33-51-38-400-001).

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- R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - External Load Fault  
R (Ref. TSM TASK 33-51-00-810-808).

**\*\*ON A/C 254-275,**

- R D. If the test gives the maintenance message EPSU INT LOAD EMER R, do the operational test of the emergency cabin lights and signs (Ref. AMM TASK 33-51-00-710-009).

**NOTE** : The time to do this test must not be more than 1 minute. This is to prevent the discharge of the emergency lighting batteries.

- (1) If one or more lamps of the LIGHTS-EMERGENCY, CABIN related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:  
- replace the lamp(s).

- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related LIGHT-EMERGENCY, CABIN (Ref. ASM 33-51/02).

- 1 If there are approx. 6 VDC:  
- replace the related LIGHT-EMERGENCY, CABIN (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).

- 2 If there are no 6 VDC:  
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/E or G and  
the related LIGHT-EMERGENCY, CABIN,  
related LIGHT-EMERGENCY, CABIN and GND (Ref. ASM 33-51/02).

- (2) If one or more lamps of the EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:  
- replace the lamp(s).

- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related EXIT MARKER (Ref. ASM 33-51/04).

- 1 If there are approx. 6 VDC:  
- replace the related EXIT MARKER (Ref. AMM TASK 33-51-13-000-001) and (Ref. AMM TASK 33-51-13-400-001).

- 2 If there are no 6 VDC:  
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/E or G and  
the related EXIT MARKER,  
related EXIT MARKER and GND (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04).

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- (3) If all LIGHTS-EMERGENCY, CABIN and EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (4) If one or more lamps of the SIGNS-EXIT LOCATION or SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:
- replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref. AMM TASK 33-51-16-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/N or R and the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING, related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND (Ref. ASM 33-51/02).
- (5) If one or more lamps of the ESCAPE HATCH-HANDLE LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related ESCAPE HATCH-HANDLE LIGHT (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:
- replace the related ESCAPE HATCH-HANDLE LIGHT (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/N or R and the related ESCAPE HATCH-HANDLE LIGHT, related ESCAPE HATCH-HANDLE LIGHT and GND (Ref. ASM 33-51/02).
- (6) If all SIGNS-EXIT LOCATION, SIGNS-EXIT MARKING and ESCAPE HATCH-HANDLE LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

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- (a) If the fault continues:
- do a check and repair the wiring between the:  
**POWER SUPPLY UNIT-EMERGENCY (12WL)** connector A/<F and the Relay  
(8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).

- (7) If all lights, signs and markers related to the **POWER SUPPLY UNIT-EMERGENCY (12WL)** do not come on:
- replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (a) If the fault continues:
- R - check all connected lights, signs and markers for a
- R short-circuit and replace if necessary (Ref. ASM 33-51/01) and
- R (Ref. ASM 33-51/04),
- R - if you find one or more defective lights, signs and markers,
- R replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK
- R 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (b) If the fault continues:
- R - do a check for a short to ground and repair the wiring if
- R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):
- R from EPSU (12WL) pin E to the connector(s) of the related signs
- R and lights,
- R from EPSU (12WL) pin G to the connector(s) of the related signs
- R and lights,
- R from EPSU (12WL) pin N to the connector(s) of the related signs
- R and lights,
- R from EPSU (12WL) pin R to the connector(s) of the related signs
- R and lights,
- R - if you find a short to ground in the wiring, replace the **POWER**
- R **SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001)
- R and (Ref. AMM TASK 33-51-38-400-001).

- R (c) If the fault continues:
- R - do the trouble shooting procedure EPSU - External Load Fault
- R (Ref. TSM TASK 33-51-00-810-808).

**\*\*ON A/C 456-475,**

- R D. If the test gives the maintenance message **EPSU INT LOAD EMER R**, do the
- operational test of the emergency cabin lights and signs (Ref. AMM TASK
- 33-51-00-710-009**).

**NOTE** : The time to do this test must not be more than 1 minute. This is  
to prevent the discharge of the emergency lighting batteries.

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- (1) If one or more lamps of the LIGHTS-EMERGENCY, CABIN related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:  
- replace the lamp(s).
- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related LIGHT-EMERGENCY, CABIN (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:  
- replace the related LIGHT-EMERGENCY, CABIN (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).
- 2 If there are no 6 VDC:  
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/E or G and  
the related LIGHT-EMERGENCY, CABIN,  
related LIGHT-EMERGENCY, CABIN and GND (Ref. ASM 33-51/02).
- (2) If all LIGHTS-EMERGENCY, CABIN related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (3) If one or more lamps of the SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHTS or EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:  
- replace the lamp(s).
- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHT or EXIT MARKER (Ref. ASM 33-51/04).
- 1 If there are approx. 6 VDC:  
- replace the related SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHT (Ref. AMM TASK 33-51-18-000-001) and (Ref. AMM TASK 33-51-18-400-001) or EXIT MARKER (Ref. AMM TASK 33-51-13-000-001) and (Ref. AMM TASK 33-51-13-400-001).
- 2 If there are no 6 VDC:  
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/<B or <J and  
the related SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHT or EXIT MARKER,  
related SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHT or EXIT MARKER and GND (Ref. ASM 33-51/04).

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- (4) If all SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHTS and EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (5) If one or more lamps of the SIGNS-EXIT LOCATION or SIGNS-EXIT MARKING or ESCAPE HATCH-HANDLE LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING or ESCAPE HATCH-HANDLE LIGHT (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:
- replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref. AMM TASK 33-51-16-400-001) or ESCAPE HATCH-HANDLE LIGHT (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/N or R and the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING or ESCAPE HATCH-HANDLE LIGHT, related SIGN-EXIT LOCATION or SIGN-EXIT MARKING or ESCAPE HATCH-HANDLE LIGHT and GND (Ref. ASM 33-51/02).
- (6) If all SIGNS-EXIT LOCATION and SIGNS-EXIT MARKING and ESCAPE HATCH-HANDLE LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/<F and the Relay (8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).
- (7) If all lights, signs and markers related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

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- R (a) If the fault continues:  
R - check all connected lights, signs and markers for a  
R short-circuit and replace if necessary (Ref. ASM 33-51/01) and  
R (Ref. ASM 33-51/04),  
R - if you find one or more defective lights, signs and markers,  
R replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK  
R 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- R (b) If the fault continues:  
R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (12WL) pin E to the connector(s) of the related signs  
R and lights,  
R from EPSU (12WL) pin G to the connector(s) of the related signs  
R and lights,  
R from EPSU (12WL) pin N to the connector(s) of the related signs  
R and lights,  
R from EPSU (12WL) pin R to the connector(s) of the related signs  
R and lights,  
R - if you find a short to ground in the wiring, replace the **POWER**  
R **SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).
- R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - External Load Fault  
R (Ref. TSM TASK 33-51-00-810-808).

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

- R E. If the test gives the maintenance message **EPSU INT LOAD MID L**, do the  
operational test of the emergency cabin lights and signs (Ref. AMM TASK  
33-51-00-710-009).

**NOTE** : The time to do this test must not be more than 1 minute. This is  
to prevent the discharge of the emergency lighting batteries.

- (1) If one or more lamps of the **LIGHTS-EMERGENCY, CABIN** related to the  
**POWER SUPPLY UNIT-EMERGENCY (15WL)** do not come on:  
- replace the lamp(s).

- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related **LIGHT-EMERGENCY,**  
**CABIN** (Ref. ASM 33-51/02).

- 1 If there are approx. 6 VDC:  
- replace the related **LIGHT-EMERGENCY, CABIN** (Ref. AMM TASK  
33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).

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- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (15WL) connector A/E or G and  
the related LIGHT-EMERGENCY, CABIN,  
related LIGHT-EMERGENCY, CABIN and GND (Ref. ASM 33-51/02).
- (2) If one or more lamps of the SEAT/WALL-MOUNTED EMERGENCY LIGHTS  
related to the POWER SUPPLY UNIT-EMERGENCY (15WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- replace the related SEAT/WALL-MOUNTED EMERGENCY LIGHT (Ref. AMM  
TASK 33-51-19-000-001) and (Ref. AMM TASK 33-51-19-400-001).
- (3) If all lamps in one SEAT/WALL-MOUNTED EMERGENCY LIGHT related to the  
POWER SUPPLY UNIT-EMERGENCY (15WL) do not come on:
- replace the related SEAT/WALL-MOUNTED EMERGENCY LIGHT (Ref. AMM  
TASK 33-51-19-000-001) and (Ref. AMM TASK 33-51-19-400-001).
- (a) If the fault continues:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (15WL) connector A/E or G and the  
related SEAT/WALL-MOUNTED EMERGENCY LIGHT,  
related SEAT/WALL-MOUNTED EMERGENCY LIGHT and GND (Ref. ASM 33-  
51/02) (Ref. ASM 33-51/04) (Ref. ASM 33-51/04).
- (4) If all LIGHTS-EMERGENCY, CABIN and SEAT/WALL-MOUNTED EMERGENCY LIGHTS  
related to the POWER SUPPLY UNIT-EMERGENCY (15WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK 33-  
51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (5) If one or more lamps of the SIGNS-EXIT LOCATION or SIGNS-EXIT MARKING  
related to the POWER SUPPLY UNIT-EMERGENCY (15WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION  
or SIGN-EXIT MARKING (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:
- replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-  
17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or  
SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref.  
AMM TASK 33-51-16-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (15WL) connector A/N or R and  
the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING,  
related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND  
(Ref. ASM 33-51/02).

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- (6) If all SIGNS-EXIT LOCATION and SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (15WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- (a) If the fault continues:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (15WL) connector A/<F and the Relay (8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).

- (7) If all lights and signs related to the POWER SUPPLY UNIT-EMERGENCY (15WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (a) If the fault continues:
- R - check all connected lights, signs and markers for a
- R short-circuit and replace if necessary (Ref. ASM 33-51/01) and
- R (Ref. ASM 33-51/04),
- R - if you find one or more defective lights, signs and markers,
- R replace the POWER SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK
- R 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (b) If the fault continues:
- R - do a check for a short to ground and repair the wiring if
- R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):
- R from EPSU (15WL) pin E to the connector(s) of the related signs
- R and lights,
- R from EPSU (15WL) pin G to the connector(s) of the related signs
- R and lights,
- R from EPSU (15WL) pin N to the connector(s) of the related signs
- R and lights,
- R from EPSU (15WL) pin R to the connector(s) of the related signs
- R and lights,
- R - if you find a short to ground in the wiring, replace the POWER
- R SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK 33-51-38-000-001)
- R and (Ref. AMM TASK 33-51-38-400-001).

- R (c) If the fault continues:
- R - do the trouble shooting procedure EPSU - External Load Fault
- R (Ref. TSM TASK 33-51-00-810-808).

- R F. If the test gives the maintenance message EPSU INT LOAD MID R, do the
- R operational test of the emergency cabin lights and signs (Ref. AMM TASK
- R 33-51-00-710-009).

**NOTE** : The time to do this test must not be more than 1 minute. This is to prevent the discharge of the emergency lighting batteries.

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- (1) If one or more lamps of the LIGHTS-EMERGENCY, CABIN related to the POWER SUPPLY UNIT-EMERGENCY (14WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related LIGHT-EMERGENCY, CABIN (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:
- replace the related LIGHT-EMERGENCY, CABIN (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (14WL) connector A/E or G and  
the related LIGHT-EMERGENCY, CABIN,  
related LIGHT-EMERGENCY, CABIN and GND (Ref. ASM 33-51/02).
- (2) If one or more lamps of the SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (14WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- replace the related SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT (Ref. AMM TASK 33-51-18-000-001) and (Ref. AMM TASK 33-51-18-400-001).
- (3) If all lamps in one SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT related to the POWER SUPPLY UNIT-EMERGENCY (14WL) do not come on:
- replace the related SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT (Ref. AMM TASK 33-51-18-000-001) and (Ref. AMM TASK 33-51-18-400-001).
- (a) If the fault continues:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (14WL) connector A/E or G and the  
related SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT,  
related SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT and GND  
(Ref. ASM 33-51/02) (Ref. ASM 33-51/04) (Ref. ASM 33-51/04).
- (4) If one or more lamps of the EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (14WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related EXIT MARKER (Ref. ASM 33-51/04) (Ref. ASM 33-51/04).
- 1 If there are approx. 6 VDC:
- replace the related EXIT MARKER (Ref. AMM TASK 33-51-13-000-001) and (Ref. AMM TASK 33-51-13-400-001).

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- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (14WL) connector A/E or G and  
the related EXIT MARKER,  
related EXIT MARKER and GND (Ref. ASM 33-51/02) (Ref. ASM  
33-51/04) (Ref. ASM 33-51/04).
- (5) If all LIGHTS-EMERGENCY, CABIN, SEAT/WALL-MOUNTED EMERGENCY EXIT  
LOCATION LIGHTS and EXIT MARKERS related to the POWER SUPPLY  
UNIT-EMERGENCY (14WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (14WL) (Ref. AMM TASK 33-  
51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (6) If one or more lamps of the SIGNS-EXIT LOCATION or SIGNS-EXIT MARKING  
related to the POWER SUPPLY UNIT-EMERGENCY (14WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION  
or SIGN-EXIT MARKING (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:
- replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-  
17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or  
SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref.  
AMM TASK 33-51-16-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (14WL) connector A/N or R and  
the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING,  
related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND  
(Ref. ASM 33-51/02).
- (7) If all SIGNS-EXIT LOCATION and SIGNS-EXIT MARKING related to the  
POWER SUPPLY UNIT-EMERGENCY (14WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (14WL) (Ref. AMM TASK 33-  
51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (14WL) connector A/<F and the Relay  
(8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-  
51/02).
- (8) If all lights, signs and markers related to the POWER SUPPLY  
UNIT-EMERGENCY (14WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (14WL) (Ref. AMM TASK 33-  
51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

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- R (a) If the fault continues:  
R - check all connected lights, signs and markers for a  
R short-circuit and replace if necessary (Ref. ASM 33-51/01) and  
R (Ref. ASM 33-51/04),  
R - if you find one or more defective lights, signs and markers,  
R replace the POWER SUPPLY UNIT-EMERGENCY (14WL) (Ref. AMM TASK  
R 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- R (b) If the fault continues:  
R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (14WL) pin E to the connector(s) of the related signs  
R and lights,  
R from EPSU (14WL) pin G to the connector(s) of the related signs  
R and lights,  
R from EPSU (14WL) pin N to the connector(s) of the related signs  
R and lights,  
R from EPSU (14WL) pin R to the connector(s) of the related signs  
R and lights,  
R - if you find a short to ground in the wiring, replace the POWER  
R SUPPLY UNIT-EMERGENCY (14WL) (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).
- R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - External Load Fault  
R (Ref. TSM TASK 33-51-00-810-808).

- R G. If the test gives the maintenance message EPSU INT LOAD EXIT L, do the  
R operational test of the emergency cabin lights and signs (Ref. AMM TASK  
R 33-51-00-710-009).

**NOTE** : The time to do this test must not be more than 1 minute. This is  
to prevent the discharge of the emergency lighting batteries.

- (1) If one or more lamps of the LIGHTS-EMERGENCY, CABIN related to the  
POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:  
- replace the lamp(s).

- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related LIGHT-EMERGENCY,  
CABIN (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:  
- replace the related LIGHT-EMERGENCY, CABIN (Ref. AMM TASK  
33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).
- 2 If there are no 6 VDC:  
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (11WL) connector A/E or G and  
the related LIGHT-EMERGENCY, CABIN,  
related LIGHT-EMERGENCY, CABIN and GND (Ref. ASM 33-51/02).

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- (2) If one or more lamps of the SEAT/WALL-MOUNTED EMERGENCY LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:  
- replace the lamp(s).
- (a) If the fault continues:  
- replace the related SEAT/WALL-MOUNTED EMERGENCY LIGHT (Ref. AMM TASK 33-51-19-000-001) and (Ref. AMM TASK 33-51-19-400-001).
- (3) If all lamps in one SEAT/WALL-MOUNTED EMERGENCY LIGHT related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:  
- replace the related SEAT/WALL-MOUNTED EMERGENCY LIGHT (Ref. AMM TASK 33-51-19-000-001) and (Ref. AMM TASK 33-51-19-400-001).
- (a) If the fault continues:  
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (11WL) connector A/E or G and the related SEAT/WALL-MOUNTED EMERGENCY LIGHT,  
related SEAT/WALL-MOUNTED EMERGENCY LIGHT and GND (Ref. ASM 33-51/02) (Ref. ASM 33-51/04) (Ref. ASM 33-51/04).
- (4) If all LIGHTS-EMERGENCY, CABIN and SEAT/WALL-MOUNTED EMERGENCY LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (5) If one or more lamps of the SIGNS-EXIT LOCATION or SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:  
- replace the lamp(s).
- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:  
- replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref. AMM TASK 33-51-16-400-001).
- 2 If there are no 6 VDC:  
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (11WL) connector A/N or R and the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING,  
related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND (Ref. ASM 33-51/02).
- (6) If all SIGNS-EXIT LOCATION and SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (11WL) do not come on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

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- (a) If the fault continues:
- do a check and repair the wiring between the:  
**POWER SUPPLY UNIT-EMERGENCY (11WL)** connector A/<F and the Relay  
(8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).

- (7) If all lights and signs related to the **POWER SUPPLY UNIT-EMERGENCY (11WL)** do not come on:
- replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (a) If the fault continues:
- R - check all connected lights, signs and markers for a
- R short-circuit and replace if necessary (Ref. ASM 33-51/01) and
- R (Ref. ASM 33-51/04),
- R - if you find one or more defective lights, signs and markers,
- R replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK
- R 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (b) If the fault continues:
- R - do a check for a short to ground and repair the wiring if
- R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):
- R from EPSU (11WL) pin E to the connector(s) of the related signs
- R and lights,
- R from EPSU (11WL) pin G to the connector(s) of the related signs
- R and lights,
- R from EPSU (11WL) pin N to the connector(s) of the related signs
- R and lights,
- R from EPSU (11WL) pin R to the connector(s) of the related signs
- R and lights,
- R - if you find a short to ground in the wiring, replace the **POWER**
- R **SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001)
- R and (Ref. AMM TASK 33-51-38-400-001).

- R (c) If the fault continues:
- R - do the trouble shooting procedure EPSU - External Load Fault
- R (Ref. TSM TASK 33-51-00-810-808).

- R H. If the test gives the maintenance message **EPSU INT LOAD EXIT R**, do the
- R operational test of the emergency cabin lights and signs (Ref. AMM TASK
- R 33-51-00-710-009).

**NOTE** : The time to do this test must not be more than 1 minute. This is  
to prevent the discharge of the emergency lighting batteries.

- (1) If one or more lamps of the **LIGHTS-EMERGENCY, CABIN** related to the  
**POWER SUPPLY UNIT-EMERGENCY (12WL)** do not come on:
- replace the lamp(s).

- (a) If the fault continues:
- do a check for approx. 6 VDC at the related **LIGHT-EMERGENCY, CABIN** (Ref. ASM 33-51/02).

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- 1 If there are approx. 6 VDC:
    - replace the related LIGHT-EMERGENCY, CABIN (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).
  - 2 If there are no 6 VDC:
    - do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/E or G and  
the related LIGHT-EMERGENCY, CABIN,  
related LIGHT-EMERGENCY, CABIN and GND (Ref. ASM 33-51/02).
- (2) If one or more lamps of the SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHTS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:  
- replace the lamp(s).
- (a) If the fault continues:  
- replace the related SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT (Ref. AMM TASK 33-51-18-000-001) and (Ref. AMM TASK 33-51-18-400-001).
- (3) If all lamps in one SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:  
- replace the related SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT (Ref. AMM TASK 33-51-18-000-001) and (Ref. AMM TASK 33-51-18-400-001).
- (a) If the fault continues:  
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/E or G and the  
related SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT,  
related SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT and GND  
(Ref. ASM 33-51/02) (Ref. ASM 33-51/04) (Ref. ASM 33-51/04).
- (4) If one or more lamps of the EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:  
- replace the lamp(s).
- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related EXIT MARKER (Ref. ASM 33-51/04) (Ref. ASM 33-51/04).
- 1 If there are approx. 6 VDC:
    - replace the related EXIT MARKER (Ref. AMM TASK 33-51-13-000-001) and (Ref. AMM TASK 33-51-13-400-001).
  - 2 If there are no 6 VDC:
    - do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/E or G and  
the related EXIT MARKER,  
related EXIT MARKER and GND (Ref. ASM 33-51/02) (Ref. ASM 33-51/04) (Ref. ASM 33-51/04).

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- (5) If all LIGHTS-EMERGENCY, CABIN, SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHTS and EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (6) If one or more lamps of the SIGNS-EXIT LOCATION or SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:
- replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref. AMM TASK 33-51-16-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/N or R and the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING, related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND (Ref. ASM 33-51/02).
- (7) If all SIGNS-EXIT LOCATION and SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (12WL) connector A/<F and the Relay (8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).
- (8) If all lights, signs and markers related to the POWER SUPPLY UNIT-EMERGENCY (12WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- check all connected lights, signs and markers for a short-circuit and replace if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04),
  - if you find one or more defective lights, signs and markers, replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

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(b) If the fault continues:

- do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
from EPSU (12WL) pin E to the connector(s) of the related signs and lights,  
from EPSU (12WL) pin G to the connector(s) of the related signs and lights,  
from EPSU (12WL) pin N to the connector(s) of the related signs and lights,  
from EPSU (12WL) pin R to the connector(s) of the related signs and lights,
- if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(c) If the fault continues:

- do the trouble shooting procedure EPSU - External Load Fault (Ref. TSM TASK 33-51-00-810-808).

R **\*\*ON A/C 201-225, 227-227, 229-250, 252-253, 276-299, 426-455, 476-499,**  
R **503-549, 551-599, 701-749,**

J. If the test gives the maintenance message **EPSU INT LOAD AFT L**, do the operational test of the emergency cabin lights and signs (Ref. AMM TASK 33-51-00-710-009).

**NOTE** : The time to do this test must not be more than 1 minute. This is to prevent the discharge of the emergency lighting batteries.

(1) If one or more lamps of the **LIGHTS-EMERGENCY, CABIN** related to the **POWER SUPPLY UNIT-EMERGENCY (13WL)** do not come on:  
- replace the lamp(s).

(a) If the fault continues:

- do a check for approx. 6 VDC at the related **LIGHT-EMERGENCY, CABIN** (Ref. ASM 33-51/02).

1 If there are approx. 6 VDC:

- replace the related **LIGHT-EMERGENCY, CABIN** (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).

2 If there are no 6 VDC:

- do a check and repair the wiring between the:  
**POWER SUPPLY UNIT-EMERGENCY (13WL)** connector A/E or G and the related **LIGHT-EMERGENCY, CABIN,**  
related **LIGHT-EMERGENCY, CABIN** and **GND** (Ref. ASM 33-51/02).

(2) If one or more lamps of the **SEAT/WALL-MOUNTED EMERGENCY LIGHTS** or **SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHTS** related to the **POWER SUPPLY UNIT-EMERGENCY (13WL)** do not come on:  
- replace the lamp(s).

R **EFF :** 201-225, 227-227, 229-250, 252-253,  
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(a) If the fault continues:

- do a check for approx. 6 VDC at the related SEAT/WALL-MOUNTED EMERGENCY LIGHT or SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT (Ref. ASM 33-51/04).

1 If there are approx. 6 VDC:

- replace the related SEAT/WALL-MOUNTED EMERGENCY LIGHT (Ref. AMM TASK 33-51-19-000-001) and (Ref. AMM TASK 33-51-19-400-001) or SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT (Ref. AMM TASK 33-51-18-000-001) and (Ref. AMM TASK 33-51-18-400-001).

2 If there are no 6 VDC:

- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (13WL) connector A/E or G and the related SEAT/WALL-MOUNTED EMERGENCY LIGHT or SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT, related SEAT/WALL-MOUNTED EMERGENCY LIGHT or SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHT and GND (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04).

(3) If one or more lamps of the EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:

- replace the lamp(s).

(a) If the fault continues:

- do a check for approx. 6 VDC at the related EXIT MARKER (Ref. ASM 33-51/04).

1 If there are approx. 6 VDC:

- replace the related EXIT MARKER (Ref. AMM TASK 33-51-13-000-001) and (Ref. AMM TASK 33-51-13-400-001).

2 If there are no 6 VDC:

- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (13WL) connector A/E or G and the related EXIT MARKER, related EXIT MARKER and GND (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04).

(4) If all LIGHTS-EMERGENCY, CABIN, SEAT/WALL-MOUNTED EMERGENCY LIGHTS, SEAT/WALL-MOUNTED EMERGENCY EXIT LOCATION LIGHTS and EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:

- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).



- (5) If one or more lamps of the SIGNS-EXIT LOCATION or SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:
- replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref. AMM TASK 33-51-16-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (13WL) connector A/N or R and the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING, related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND (Ref. ASM 33-51/02).
- (6) If all SIGNS-EXIT LOCATION and SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (13WL) connector A/<F and the Relay (8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).
- (7) If all lights, signs and markers related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- check all connected lights, signs and markers for a short-circuit and replace if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04),
  - if you find one or more defective lights, signs and markers, replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (b) If the fault continues:
- do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
from EPSU (13WL) pin E to the connector(s) of the related signs and lights,  
from EPSU (13WL) pin G to the connector(s) of the related signs and lights,

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- from EPSU (13WL) pin N to the connector(s) of the related signs and lights,
- from EPSU (13WL) pin R to the connector(s) of the related signs and lights,
- if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- (c) If the fault continues:
  - do the trouble shooting procedure EPSU - External Load Fault (Ref. TSM TASK 33-51-00-810-808).

**\*\*ON A/C 251-251,**

- J. If the test gives the maintenance message EPSU INT LOAD AFT L, do the operational test of the emergency cabin lights and signs (Ref. AMM TASK 33-51-00-710-009).

**NOTE** : The time to do this test must not be more than 1 minute. This is to prevent the discharge of the emergency lighting batteries.

- (1) If one or more lamps of the **LIGHTS-EMERGENCY, CABIN** related to the **POWER SUPPLY UNIT-EMERGENCY (13WL)** do not come on:
  - replace the lamp(s).
- (a) If the fault continues:
  - do a check for approx. 6 VDC at the related **LIGHT-EMERGENCY, CABIN** (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:
    - replace the related **LIGHT-EMERGENCY, CABIN** (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).
  - 2 If there are no 6 VDC:
    - do a check and repair the wiring between the:  
**POWER SUPPLY UNIT-EMERGENCY (13WL)** connector A/E or G and the related **LIGHT-EMERGENCY, CABIN,**  
related **LIGHT-EMERGENCY, CABIN** and **GND** (Ref. ASM 33-51/02).
- (2) If all **LIGHTS-EMERGENCY, CABIN** related to the **POWER SUPPLY UNIT-EMERGENCY (13WL)** do not come on:
  - replace the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (3) If one or more lamps of the **SIGNS-EXIT LOCATION** or **SIGNS-EXIT MARKING** related to the **POWER SUPPLY UNIT-EMERGENCY (13WL)** do not come on:
  - replace the lamp(s).
- (a) If the fault continues:
  - do a check for approx. 6 VDC at the related **SIGN-EXIT LOCATION** or **SIGN-EXIT MARKING** (Ref. ASM 33-51/02).

R EFF : 201-225, 227-227, 229-253, 276-299,  
426-455, 476-499, 503-549, 551-599, 701-749,  
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- 1 If there are approx. 6 VDC:
  - replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref. AMM TASK 33-51-16-400-001).
- 2 If there are no 6 VDC:
  - do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (13WL) connector A/N or R and the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING, related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND (Ref. ASM 33-51/02).

- (4) If all SIGNS-EXIT LOCATION and SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:
  - replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
  - do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (13WL) connector A/<F and the Relay (8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).
- (5) If all lights and signs related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:
  - replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (a) If the fault continues:
- R - check all connected lights, signs and markers for a
- R short-circuit and replace if necessary (Ref. ASM 33-51/01) and
- R (Ref. ASM 33-51/04),
- R - if you find one or more defective lights, signs and markers,
- R replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK
- R 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- R (b) If the fault continues:
- R - do a check for a short to ground and repair the wiring if
- R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):
- R from EPSU (13WL) pin E to the connector(s) of the related signs
- R and lights,
- R from EPSU (13WL) pin G to the connector(s) of the related signs
- R and lights,
- R from EPSU (13WL) pin N to the connector(s) of the related signs
- R and lights,
- R from EPSU (13WL) pin R to the connector(s) of the related signs
- R and lights,
- R - if you find a short to ground in the wiring, replace the POWER
- R SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001)
- R and (Ref. AMM TASK 33-51-38-400-001).

R EFF : 251-251,

SR0S

# **33-51-00**

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- R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - External Load Fault  
R (Ref. TSM TASK 33-51-00-810-808).

**\*\*ON A/C 254-275,**

- R J. If the test gives the maintenance message EPSU INT LOAD AFT L, do the operational test of the emergency cabin lights and signs (Ref. AMM TASK 33-51-00-710-009).

**NOTE :** The time to do this test must not be more than 1 minute. This is to prevent the discharge of the emergency lighting batteries.

- (1) If one or more lamps of the LIGHTS-EMERGENCY, CABIN related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:  
- replace the lamp(s).

- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related LIGHT-EMERGENCY, CABIN (Ref. ASM 33-51/02).

- 1 If there are approx. 6 VDC:  
- replace the related LIGHT-EMERGENCY, CABIN (Ref. AMM TASK 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).

- 2 If there are no 6 VDC:  
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (13WL) connector A/E or G and  
the related LIGHT-EMERGENCY, CABIN,  
related LIGHT-EMERGENCY, CABIN and GND (Ref. ASM 33-51/02).

- (2) If one or more lamps of the EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:  
- replace the lamp(s).

- (a) If the fault continues:  
- do a check for approx. 6 VDC at the related EXIT MARKER (Ref. ASM 33-51/04).

- 1 If there are approx. 6 VDC:  
- replace the related EXIT MARKER (Ref. AMM TASK 33-51-13-000-001) and (Ref. AMM TASK 33-51-13-400-001).

- 2 If there are no 6 VDC:  
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (13WL) connector A/E or G and  
the related EXIT MARKER,  
related EXIT MARKER and GND (Ref. ASM 33-51/02) and (Ref. ASM 33-51/04).

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- (3) If all LIGHTS-EMERGENCY, CABIN and EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (4) If one or more lamps of the SIGNS-EXIT LOCATION or SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:
- replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref. AMM TASK 33-51-16-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (13WL) connector A/N or R and the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING, related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND (Ref. ASM 33-51/02).
- (5) If all SIGNS-EXIT LOCATION and SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (13WL) connector A/<F and the Relay (8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).
- (6) If all lights, signs and markers related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- check all connected lights, signs and markers for a short-circuit and replace if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04),
  - if you find one or more defective lights, signs and markers, replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

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R EFF : 254-275,

SR0S

# **33-51-00**

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- R (b) If the fault continues:
- R - do a check for a short to ground and repair the wiring if
- R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):
- R from EPSU (13WL) pin E to the connector(s) of the related signs
- R and lights,
- R from EPSU (13WL) pin G to the connector(s) of the related signs
- R and lights,
- R from EPSU (13WL) pin N to the connector(s) of the related signs
- R and lights,
- R from EPSU (13WL) pin R to the connector(s) of the related signs
- R and lights,
- R - if you find a short to ground in the wiring, replace the **POWER**
- R **SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-38-000-001)
- R and (Ref. AMM TASK 33-51-38-400-001).
- R (c) If the fault continues:
- R - do the trouble shooting procedure EPSU - External Load Fault
- R (Ref. TSM TASK 33-51-00-810-808).

**\*\*ON A/C 456-475,**

- R J. If the test gives the maintenance message EPSU INT LOAD AFT L, do the
- R operational test of the emergency cabin lights and signs (Ref. AMM TASK
- R 33-51-00-710-009).

**NOTE** : The time to do this test must not be more than 1 minute. This is

to prevent the discharge of the emergency lighting batteries.

- (1) If one or more lamps of the **LIGHTS-EMERGENCY, CABIN** related to the
- POWER SUPPLY UNIT-EMERGENCY (13WL)** do not come on:
- replace the lamp(s).

- (a) If the fault continues:
- do a check for approx. 6 VDC at the related **LIGHT-EMERGENCY,**
- CABIN** (Ref. ASM 33-51/02).

- 1 If there are approx. 6 VDC:
- replace the related **LIGHT-EMERGENCY, CABIN** (Ref. AMM TASK
- 33-51-11-000-001) and (Ref. AMM TASK 33-51-11-400-001).

- 2 If there are no 6 VDC:
- do a check and repair the wiring between the:
- POWER SUPPLY UNIT-EMERGENCY (13WL)** connector A/E or G and
- the related **LIGHT-EMERGENCY, CABIN,**
- related **LIGHT-EMERGENCY, CABIN** and **GND** (Ref. ASM 33-51/02).

- (2) If all **LIGHTS-EMERGENCY, CABIN** related to the **POWER SUPPLY**
- UNIT-EMERGENCY (13WL)** do not come on:
- replace the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-
- 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R **EFF :** 254-275, 456-475,

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- (3) If one or more lamps of the SEAT/WALL-MOUNTED EMERGENCY LIGHTS or SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHTS or EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SEAT/WALL-MOUNTED EMERGENCY LIGHT or SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHTS or EXIT MARKER (Ref. ASM 33-51/04).
- 1 If there are approx. 6 VDC:
- replace the related SEAT/WALL-MOUNTED EMERGENCY LIGHT (Ref. AMM TASK 33-51-19-000-003) and (Ref. AMM TASK 33-51-19-400-003) or SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHT (Ref. AMM TASK 33-51-18-000-001) and (Ref. AMM TASK 33-51-18-400-001) or EXIT MARKER (Ref. AMM TASK 33-51-13-000-001) and (Ref. AMM TASK 33-51-13-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (13WL) connector A/<B or <J and the related SEAT/WALL-MOUNTED EMERGENCY LIGHT or SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHT or EXIT MARKER, related SEAT/WALL-MOUNTED EMERGENCY LIGHT or SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHT or EXIT MARKER and GND (Ref. ASM 33-51/04).
- (4) If all SEAT/WALL-MOUNTED EMERGENCY LIGHTS and SEAT/WALL-MOUNTED EMERGENCY-EXIT-LOCATION LIGHTS and EXIT MARKERS related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (5) If one or more lamps of the SIGNS-EXIT LOCATION or SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:
- replace the lamp(s).
- (a) If the fault continues:
- do a check for approx. 6 VDC at the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING (Ref. ASM 33-51/02).
- 1 If there are approx. 6 VDC:
- replace the related SIGN-EXIT LOCATION (Ref. AMM TASK 33-51-17-000-001) and (Ref. AMM TASK 33-51-17-400-001) or SIGN-EXIT MARKING (Ref. AMM TASK 33-51-16-000-001) and (Ref. AMM TASK 33-51-16-400-001).
- 2 If there are no 6 VDC:
- do a check and repair the wiring between the: POWER SUPPLY UNIT-EMERGENCY (13WL) connector A/N or R and the related SIGN-EXIT LOCATION or SIGN-EXIT MARKING,

R EFF : 456-475,

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# **A319/A320/A321**

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related SIGN-EXIT LOCATION or SIGN-EXIT MARKING and GND  
(Ref. ASM 33-51/02).

- (6) If all SIGNS-EXIT LOCATION and SIGNS-EXIT MARKING related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- (a) If the fault continues:
- do a check and repair the wiring between the:  
POWER SUPPLY UNIT-EMERGENCY (13WL) connector A/<F and the Relay (8WL) connector A/2 (Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).

- (7) If all lights, signs and markers related to the POWER SUPPLY UNIT-EMERGENCY (13WL) do not come on:
- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (a) If the fault continues:
- R - check all connected lights, signs and markers for a
- R short-circuit and replace if necessary (Ref. ASM 33-51/01) and
- R (Ref. ASM 33-51/04),
- R - if you find one or more defective lights, signs and markers,
- R replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK
- R 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (b) If the fault continues:
- R - do a check for a short to ground and repair the wiring if
- R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):
- R from EPSU (13WL) pin E to the connector(s) of the related signs
- R and lights,
- R from EPSU (13WL) pin G to the connector(s) of the related signs
- R and lights,
- R from EPSU (13WL) pin N to the connector(s) of the related signs
- R and lights,
- R from EPSU (13WL) pin R to the connector(s) of the related signs
- R and lights,
- R - if you find a short to ground in the wiring, replace the POWER
- R SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001)
- R and (Ref. AMM TASK 33-51-38-400-001).

- R (c) If the fault continues:
- R - do the trouble shooting procedure EPSU - External Load Fault
- R (Ref. TSM TASK 33-51-00-810-808).

**\*\*ON A/C ALL**

K. Do the test given in para. 3.

R EFF : ALL

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**5. Close-up**

A. Put the aircraft back to its initial configuration.

R EFF : ALL

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TASK 33-51-00-810-808

EPSU - External Load Fault

### 1. Possible Causes

- ESCAPE SLIDE FWD L (7500MM)
- ESCAPE SLIDE FWD R (7501MM)
- PROX SW-HANDLE, R FWD ESC SLIDE (4WN2)
- PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2)
- PROX SW-HANDLE, L FWD ESC SLIDE (4WN1)
- PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1)
- LIGHT-FWD EMER, OVERWING (61WL)
- LIGHT-AFT EMER, OVERWING (63WL)
- ESCAPE SLIDE OFFWING L (7504MM)
- PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1)
- PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1)
- LIGHT-FWD EMER, OVERWING (60WL)
- LIGHT-AFT EMER, OVERWING (62WL)
- ESCAPE SLIDE OFFWING R (7505MM)
- PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2)
- PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2)
- PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1)
- PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1)
- PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2)
- PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2)
- POWER SUPPLY UNIT-EMERGENCY (15WL)
- ESCAPE SLIDE FOR DOOR 2LH (7770MM)
- POWER SUPPLY UNIT-EMERGENCY (14WL)
- ESCAPE SLIDE FOR DOOR 2RH (7771MM)
- ESCAPE SLIDE FOR DOOR 3LH (7772MM)
- ESCAPE SLIDE FOR DOOR 3RH (7773MM)
- ESCAPE SLIDE AFT L (7502MM)
- ESCAPE SLIDE AFT R (7503MM)
- PROX SW-HANDLE, R AFT ESC SLIDE (7WN2)
- PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2)
- PROX SW-HANDLE, L AFT ESC SLIDE (7WN1)
- PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1)
- POWER SUPPLY UNIT-EMERGENCY (10WL)
- wiring
- R - PROXIMITY SWITCH 4WN1
- R - PROXIMITY SWITCH 13WV1
- R - PROXIMITY SWITCH 4WN2
- R - PROXIMITY SWITCH 13WV2
- POWER SUPPLY UNIT-EMERGENCY (11WL)
- lamp(s)
- R - PROXIMITY SWITCH 6WN1
- R - PROXIMITY SWITCH 21WV1
- POWER SUPPLY UNIT-EMERGENCY (12WL)
- R - PROXIMITY SWITCH 6WN2
- R - PROXIMITY SWITCH 21WV2
- R - PROXIMITY SWITCH 5WN1

R EFF : ALL

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- R - PROXIMITY SWITCH 19WV1
- R - PROXIMITY SWITCH 5WN2
- R - PROXIMITY SWITCH 19WV2
- R - POWER SUPPLY UNIT-EMERGENCY (15WL)
- R - POWER SUPPLY UNIT-EMERGENCY (14WL)
- R - POWER SUPPLY UNIT-EMERGENCY (13WL)
- R - PROXIMITY SWITCH 7WN1
- R - PROXIMITY SWITCH 17WV1
- R - PROXIMITY SWITCH 7WN2
- R - PROXIMITY SWITCH 17WV2

## 2. Job Set-up Information

### A. Referenced Information

REFERENCE	DESIGNATION
AMM 25-62-42-000-001	Offwing Escape-Slide - Removal
AMM 25-62-42-400-001	Offwing Escape-Slide - Installation
AMM 25-62-44-000-002	Removal of the Escape-Slide Pack-Assembly
AMM 25-62-44-000-012	Removal of the Escape-Slide Raft Pack-Assembly
AMM 25-62-44-400-006	Installation of the Escape-Slide Pack-Assembly
AMM 25-62-44-400-007	Installation of the Escape-Slide Raft Pack-Assembly
AMM 25-62-47-000-001	Escape-Slide Enclosure - Removal
AMM 25-62-47-400-001	Escape-Slide Enclosure - Installation
AMM 33-51-00-710-001	Operational Test of Emergency Lights
AMM 33-51-00-710-006	Operational Test of Emergency Lights not with CIDS
AMM 33-51-00-720-001	Check Door Switch Power supplied by Emer. Light System and check Door Switch Operation to activate the Exterior Lights
AMM 33-51-15-000-001	Removal of the Emergency Overwing Lights 60WL (61WL, 62WL, 63WL)
AMM 33-51-15-400-001	Installation of the Emergency Overwing Lights 60WL (61WL, 62WL, 63WL)
AMM 33-51-38-000-001	Removal of the Emergency Power-Supply Unit (EPSU)
AMM 33-51-38-400-001	Installation of the Emergency Power-Supply Unit (EPSU)
AMM 52-71-11-000-001	Removal of the Proximity Switches of the Passenger/Crew Doors (11WV1,11WV2,13WV1,13WV2,15WV1,15WV2,17WV1,17WV2)
AMM 52-71-11-400-001	Installation of the Proximity Switches of the Passenger/Crew Door (11WV1,11WV2,13WV1,13WV2,15WV1,15WV2,17WV1,17WV2)
AMM 52-71-13-000-001	Removal of the Proximity Switches (19WV1,19WV2,21WV1,21WV2)
AMM 52-71-13-000-002	Removal of the Proximity Switches 19WV1, 19WV2, 21WV1 and 21WV2
AMM 52-71-13-400-001	Installation of the Proximity Switches (19WV1,19WV2,21WV1,21WV2)

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REFERENCE		DESIGNATION
AMM	52-71-13-400-002	Installation of the Proximity Switches 19WV1, 19WV2, 21WV1 and 21WV2
AMM	52-73-11-000-001	Removal of the Proximity Switches (4WN1, 4WN2) of the FWD Passenger/Crew Doors
AMM	52-73-11-000-002	Removal of the Proximity Switches (7WN1, 7WN2) of the Aft Passenger/Crew Doors
AMM	52-73-11-000-003	Removal of the Proximity Switches (5WN1, 5WN2) of the FWD Emergency Exits
AMM	52-73-11-000-003	Removal of the Proximity Switches (5WN1, 5WN2) of the FWD Emergency Exits
AMM	52-73-11-000-004	Removal of the Proximity Switches (6WN1, 6WN2) of the Aft Emergency Exits
AMM	52-73-11-000-004	Removal of the Proximity Switches (6WN1, 6WN2) of the Aft Emergency Exits
AMM	52-73-11-000-004	Removal of the Proximity Switches (6WN1, 6WN2) of the Emergency Exits
AMM	52-73-11-400-001	Installation of the Proximity Switches (4WN1, 4WN2) of the FWD Passenger/Crew Doors
AMM	52-73-11-400-002	Installation of the Proximity Switches (7WN1, 7WN2) of the Aft Passenger/Crew Doors
AMM	52-73-11-400-003	Installation of the Proximity Switches (5WN1, 5WN2) of the FWD Emergency Exits
AMM	52-73-11-400-003	Installation of the Proximity Switches (5WN1, 5WN2) of the FWD Emergency Exits
AMM	52-73-11-400-004	Installation of the Proximity Switches (6WN1, 6WN2) of the Aft Emergency Exits
AMM	52-73-11-400-004	Installation of the Proximity Switches (6WN1, 6WN2) of the Aft Emergency Exits
AMM	52-73-11-400-004	Installation of the Proximity Switches (6WN1, 6WN2) of the Emergency Exits
ASM	33-51/01	
ASM	33-51/02	
ASM	33-51/02	
ASM	33-51/02	
R ASM	33-51/04	
R TSM	33-51-00-810-807	EPSU - Internal Load Fault Message
AWM	33-51-04	
AWM	33-51-04	
AWM	33-51-04	
AWM	33-51-04	

### 3. Fault Confirmation

- A. Do the operational test of the emergency lighting system (Ref. AMM TASK 33-51-00-710-001).

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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 201-204, 206-208, 227-227, 229-244, 276-284, 426-428, 476-478,

B. If the operational test gives the maintenance message:

**EPSU EXT LOAD FWD L:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

(1) If the green LED 'OK EXTERNAL LOADS' comes on:

- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(2) If the red LED 'FAULT EXTERNAL LOADS' comes on and a correct adapter cable between the escape slide and the aircraft electrical connector is available:

**NOTE** : A fault in one of the two forward escape slides can cause the LED to come on.

**NOTE** : For tests, use one of the items of equipment that follow:

- A connector with four lamps (6V, 0.2 amps) in parallel
- A connector with a 7.5 ohm, 5 watt resistor
- A serviceable escape slide.

(a) Do the subsequent procedures:

- remove the ESCAPE SLIDE FWD L (7500MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-002).
- connect a serviceable escape slide with the adapter cable to the aircraft.

(b) If the fault no longer exists:

- remove the old ESCAPE SLIDE FWD L (7500MM) fully (Ref. AMM TASK 25-62-44-000-002).
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).

(c) If the fault continues:

- connect the ESCAPE SLIDE FWD L (7500MM) electrically only.
- remove the ESCAPE SLIDE FWD R (7501MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-002).
- connect a serviceable escape slide with the adapter cable to the aircraft.

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- (d) If the fault no longer exists:
- remove the old ESCAPE SLIDE FWD R (7501MM) fully (Ref. AMM TASK 25-62-44-000-002).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-006).
- (e) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 2870VC pin A and EPSU (10WL) pin F,  
escape slide connector 2870VC pin B and GND,  
PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) pin E and EPSU (10WL) pin S,  
PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) pin F and GND,  
PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) pin E and EPSU (10WL) pin <K,  
PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) pin F and GND  
(Ref. ASM 33-51/01) and (Ref. AWM 33-51-04).
- (f) If the fault no longer exists:
- install the old ESCAPE SLIDE FWD R (7501MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-006).
- (g) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 2871VC pin A and EPSU (10WL) pin T,  
escape slide connector 2871VC pin B and GND,  
PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) pin E and EPSU (10WL) pin C,  
PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) pin F and GND,  
PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) pin E and EPSU (10WL) pin D,  
PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) pin F and GND  
(Ref. ASM 33-51/01) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE FWD R (7501MM) (Ref. AMM TASK 25-62-44-400-006).
- (h) If the fault continues:
- replace the PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) (Ref. AMM TASK 52-73-11-000-001) and (Ref. AMM TASK 52-73-11-400-001).
- (i) If the fault continues:
- replace the PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

- (j) If the fault continues:
- replace the PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) (Ref. AMM TASK 52-73-11-000-001) and (Ref. AMM TASK 52-73-11-400-001).

- (k) If the fault continues:
- replace the PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

- (3) If the red LED 'FAULT EXTERNAL LOADS' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:

**NOTE** : A fault in one of the two forward escape slides can cause the LED to come on.

**NOTE** : For tests, use one of the items of equipment that follow:

- A connector with four lamps (6V, 0.2 amps) in parallel
- A connector with a 7.5 ohm, 5 watt resistor
- A serviceable escape slide.

- (a) Do the subsequent procedures:
- remove the ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-000-002).
  - connect a serviceable escape slide electrically only.
- (b) If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
- (c) If the fault continues:
- connect the removed ESCAPE SLIDE FWD L (7500MM) electrically only.
  - remove the ESCAPE SLIDE FWD R (7501MM) (Ref. AMM TASK 25-62-44-000-002).
  - connect a serviceable escape slide electrically only.
- (d) If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-006).
- (e) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2870VC pin A and EPSU (10WL) pin F,
    - escape slide connector 2870VC pin B and GND,
    - PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) pin E and EPSU (10WL) pin S,
    - PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) pin F and GND,
    - PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) pin E and EPSU (10WL) pin <K,

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PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) pin F and GND  
(Ref. ASM 33-51/01) and (Ref. AWM 33-51-04).

- (f) If the fault no longer exists:
- install the removed ESCAPE SLIDE FWD R (7501MM) again (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-006).
- (g) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 2871VC pin A and EPSU (10WL) pin T,  
escape slide connector 2871VC pin B and GND,  
PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) pin E and EPSU (10WL) pin C,  
PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) pin F and GND,  
PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) pin E and EPSU (10WL) pin D,  
PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) pin F and GND  
(Ref. ASM 33-51/01) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the removed ESCAPE SLIDE FWD R (7501MM) again (Ref. AMM TASK 25-62-44-400-006).
- (h) If the fault continues:
- replace the PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) (Ref. AMM TASK 52-73-11-000-001) and (Ref. AMM TASK 52-73-11-400-001).
- (i) If the fault continues:
- replace the PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (j) If the fault continues:
- replace the PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) (Ref. AMM TASK 52-73-11-000-001) and (Ref. AMM TASK 52-73-11-400-001).
- (k) If the fault continues:
- replace the PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR LIGHTS FAULT' flash:
- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- check all connected exterior lights and proximity switches for a short-circuit and replace if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04),

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- if you find one or more defective exterior lights or proximity switches, replace the **POWER SUPPLY UNIT-EMERGENCY (10WL)** (Ref. AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).
- (b) If the fault continues:
  - do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):
    - from EPSU (10WL) pin F to the connector(s) of the related signs and lights,
    - from EPSU (10WL) pin T to the connector(s) of the related signs and lights,
    - from EPSU (10WL) pin C to the connector of the **PROXIMITY SWITCH 4WN1**,
    - from EPSU (10WL) pin D to the connector of the **PROXIMITY SWITCH 13WV1**,
    - from EPSU (10WL) pin S to the connector of the **PROXIMITY SWITCH 4WN2**,
    - from EPSU (10WL) pin <K to the connector of the **PROXIMITY SWITCH 13WV2**,
    - from EPSU (10WL) pin <Q to the connector(s) of the proximity switches,
  - if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (10WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (c) If the fault continues:
  - do the trouble shooting procedure **EPSU - Internal Load Fault Message** (Ref. TSM TASK 33-51-00-810-807).

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

**B. If the operational test gives the maintenance message:**

**EPSU EXT LOAD FWD L:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

**(1) If the green LED 'OK EXTERNAL LOADS' comes on:**

- replace the **POWER SUPPLY UNIT-EMERGENCY (10WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(2) If the red LED 'FAULT EXTERNAL LOADS' comes on and a correct adapter cable between the escape slide and the aircraft electrical connector is available:**

**NOTE :** A fault in one of the two forward escape slides can cause the LED to come on.

**NOTE :** For tests, use one of the items of equipment that follow:

- A connector with four lamps (6V, 0.2 amps) in parallel
- A connector with a 7.5 ohm, 5 watt resistor
- A serviceable escape slide.

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- (a) Do the subsequent procedures:
- remove the ESCAPE SLIDE FWD L (7500MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-012).
  - connect a serviceable escape slide with the adapter cable to the aircraft.
- (b) If the fault no longer exists:
- remove the old ESCAPE SLIDE FWD L (7500MM) fully (Ref. AMM TASK 25-62-44-000-012).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-007).
- (c) If the fault continues:
- connect the ESCAPE SLIDE FWD L (7500MM) electrically only.
  - remove the ESCAPE SLIDE FWD R (7501MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-012).
  - connect a serviceable escape slide with the adapter cable to the aircraft.
- (d) If the fault no longer exists:
- remove the old ESCAPE SLIDE FWD R (7501MM) fully (Ref. AMM TASK 25-62-44-000-012).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-007).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-007).
- (e) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2870VC pin A and EPSU (10WL) pin F,
    - escape slide connector 2870VC pin B and GND,
    - PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) pin E and EPSU (10WL) pin S,
    - PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) pin F and GND,
    - PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) pin E and EPSU (10WL) pin <K,
    - PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) pin F and GND(Ref. ASM 33-51/01) and (Ref. AWM 33-51-04).
- (f) If the fault no longer exists:
- install the old ESCAPE SLIDE FWD R (7501MM) (Ref. AMM TASK 25-62-44-400-007).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-007).
- (g) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2871VC pin A and EPSU (10WL) pin T,
    - escape slide connector 2871VC pin B and GND,

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PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) pin E and EPSU (10WL) pin C,

PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) pin F and GND,

PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) pin E and EPSU (10WL) pin D,

PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) pin F and GND (Ref. ASM 33-51/01) and (Ref. AWM 33-51-04).

- install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-007).
- install the old ESCAPE SLIDE FWD R (7501MM) (Ref. AMM TASK 25-62-44-400-007).

(h) If the fault continues:

- replace the PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) (Ref. AMM TASK 52-73-11-000-001) and (Ref. AMM TASK 52-73-11-400-001).

(i) If the fault continues:

- replace the PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

(j) If the fault continues:

- replace the PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) (Ref. AMM TASK 52-73-11-000-001) and (Ref. AMM TASK 52-73-11-400-001).

(k) If the fault continues:

- replace the PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

(3) If the red LED 'FAULT EXTERNAL LOADS' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:

**NOTE** : A fault in one of the two forward escape slides can cause the LED to come on.

**NOTE** : For tests, use one of the items of equipment that follow:

- A connector with four lamps (6V, 0.2 amps) in parallel
- A connector with a 7.5 ohm, 5 watt resistor
- A serviceable escape slide.

(a) Do the subsequent procedures:

- remove the ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-000-012).
- connect a serviceable escape slide electrically only.

(b) If the fault no longer exists:

- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-007).

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- (c) If the fault continues:
- connect the removed ESCAPE SLIDE FWD L (7500MM) electrically only.
  - remove the ESCAPE SLIDE FWD R (7501MM) (Ref. AMM TASK 25-62-44-000-012).
  - connect a serviceable escape slide electrically only.
- (d) If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-007).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-007).
- (e) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2870VC pin A and EPSU (10WL) pin F,
    - escape slide connector 2870VC pin B and GND,
    - PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) pin E and EPSU (10WL) pin S,
    - PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) pin F and GND,
    - PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) pin E and EPSU (10WL) pin <K,
    - PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) pin F and GND (Ref. ASM 33-51/01) and (Ref. AWM 33-51-04).
- (f) If the fault no longer exists:
- install the removed ESCAPE SLIDE FWD R (7501MM) again (Ref. AMM TASK 25-62-44-400-007).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-007).
- (g) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2871VC pin A and EPSU (10WL) pin T,
    - escape slide connector 2871VC pin B and GND,
    - PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) pin E and EPSU (10WL) pin C,
    - PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) pin F and GND,
    - PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) pin E and EPSU (10WL) pin D,
    - PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) pin F and GND (Ref. ASM 33-51/01) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-007).
  - install the removed ESCAPE SLIDE FWD R (7501MM) again (Ref. AMM TASK 25-62-44-400-007).
- (h) If the fault continues:
- replace the PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) (Ref. AMM TASK 52-73-11-000-001) and (Ref. AMM TASK 52-73-11-400-001).

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- (i) If the fault continues:
  - replace the PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (j) If the fault continues:
  - replace the PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) (Ref. AMM TASK 52-73-11-000-001) and (Ref. AMM TASK 52-73-11-400-001).
- (k) If the fault continues:
  - replace the PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

R (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:  
R - replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R (a) If the fault continues:  
R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

R (b) If the fault continues:  
R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (10WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (10WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (10WL) pin C to the connector of the PROXIMITY SWITCH  
R 4WN1,  
R from EPSU (10WL) pin D to the connector of the PROXIMITY SWITCH  
R 13WV1,  
R from EPSU (10WL) pin S to the connector of the PROXIMITY SWITCH  
R 4WN2,  
R from EPSU (10WL) pin <K to the connector of the PROXIMITY  
R SWITCH 13WV2,  
R from EPSU (10WL) pin <Q to the connector(s) of the proximity  
R switches,  
R - if you find a short to ground in the wiring, replace the POWER  
R SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).

R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - Internal Load Fault  
R Message (Ref. TSM TASK 33-51-00-810-807).

R EFF : 205-205,

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R **\*\*ON A/C 209-225, 247-275, 285-299, 429-475, 479-499, 503-549, 551-599,**  
R **701-749,**

R **B. If the operational test gives the maintenance message  
EPSU EXT LOAD FWD L:  
- do the operational test of the emergency lights not with CIDS (Ref. AMM  
TASK 33-51-00-710-006).**

- (1) If the green LED 'SYSTEM OK' comes on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (2) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and a correct adapter cable between the escape slide and the aircraft electrical connector is available:

**NOTE** : A fault in one of the two forward escape slides can cause the LED to come on.

**NOTE** : For tests, use one of the items of equipment that follow:  
- A connector with four lamps (6V, 0.2 amps) in parallel  
- A connector with a 7.5 ohm, 5 watt resistor  
- A serviceable escape slide.

- (a) Do the subsequent procedures:  
- remove the ESCAPE SLIDE FWD L (7500MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-002).  
- connect a serviceable escape slide with the adapter cable to the aircraft.
- (b) If the fault no longer exists:  
- remove the old ESCAPE SLIDE FWD L (7500MM) fully (Ref. AMM TASK 25-62-44-000-002).  
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
- (c) If the fault continues:  
- connect the ESCAPE SLIDE FWD L (7500MM) electrically only.  
- remove the ESCAPE SLIDE FWD R (7501MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-002).  
- connect a serviceable escape slide with the adapter cable to the aircraft.
- (d) If the fault no longer exists:  
- remove the old ESCAPE SLIDE FWD R (7501MM) fully (Ref. AMM TASK 25-62-44-000-002).  
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).  
- install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-006).

R **EFF : 209-225, 247-275, 285-299, 429-475,  
479-499, 503-549, 551-599, 701-749,**

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- (e) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 2870VC pin A and EPSU (10WL) pin F,  
escape slide connector 2870VC pin B and GND,  
PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) pin E and EPSU (10WL) pin S,  
PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) pin F and GND,  
PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) pin E and EPSU (10WL) pin <K,  
PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) pin F and GND  
(Ref. ASM 33-51/01) and (Ref. AWM 33-51-04).
- (f) If the fault no longer exists:
- install the old ESCAPE SLIDE FWD R (7501MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-006).
- (g) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 2871VC pin A and EPSU (10WL) pin T,  
escape slide connector 2871VC pin B and GND,  
PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) pin E and EPSU (10WL) pin C,  
PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) pin F and GND,  
PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) pin E and EPSU (10WL) pin D,  
PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) pin F and GND  
(Ref. ASM 33-51/01) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE FWD R (7501MM) (Ref. AMM TASK 25-62-44-400-006).
- (h) If the fault continues:
- replace the PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) (Ref. AMM TASK 52-73-11-000-001) and (Ref. AMM TASK 52-73-11-400-001).
- (i) If the fault continues:
- replace the PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (j) If the fault continues:
- replace the PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) (Ref. AMM TASK 52-73-11-000-001) and (Ref. AMM TASK 52-73-11-400-001).
- (k) If the fault continues:
- replace the PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

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- (3) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:

**NOTE** : A fault in one of the two forward escape slides can cause the LED to come on.

**NOTE** : For tests, use one of the items of equipment that follow:

- A connector with four lamps (6V, 0.2 amps) in parallel
- A connector with a 7.5 ohm, 5 watt resistor
- A serviceable escape slide.

The subsequent procedure describes the connection of a serviceable escape slide.

(a) Do the subsequent procedures:

- remove the ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-000-002).
- connect a serviceable escape slide electrically only.

(b) If the fault no longer exists:

- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).

(c) If the fault continues:

- connect the removed ESCAPE SLIDE FWD L (7500MM) electrically only.
- remove the ESCAPE SLIDE FWD R (7501MM) (Ref. AMM TASK 25-62-44-000-002).
- connect a serviceable escape slide electrically only.

(d) If the fault no longer exists:

- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
- install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-006).

(e) If the fault continues:

- do a check and repair the wiring between:
  - escape slide connector 2870VC pin A and EPSU (10WL) pin F,
  - escape slide connector 2870VC pin B and GND,
  - PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) pin E and EPSU (10WL) pin S,
  - PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) pin F and GND,
  - PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) pin E and EPSU (10WL) pin <K,
  - PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) pin F and GND (Ref. ASM 33-51/01) and (Ref. AWM 33-51-04).

R EFF : 209-225, 247-275, 285-299, 429-475,  
479-499, 503-549, 551-599, 701-749,

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- (f) If the fault no longer exists:
- install the removed ESCAPE SLIDE FWD R (7501MM) again (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-006).
- (g) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 2871VC pin A and EPSU (10WL) pin T,  
escape slide connector 2871VC pin B and GND,  
PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) pin E and EPSU (10WL) pin C,  
PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) pin F and GND,  
PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) pin E and EPSU (10WL) pin D,  
PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) pin F and GND (Ref. ASM 33-51/01) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the removed ESCAPE SLIDE FWD R (7501MM) again (Ref. AMM TASK 25-62-44-400-006).
- (h) If the fault continues:
- replace the PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) (Ref. AMM TASK 52-73-11-000-001) and (Ref. AMM TASK 52-73-11-400-001).
- (i) If the fault continues:
- replace the PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (j) If the fault continues:
- replace the PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) (Ref. AMM TASK 52-73-11-000-001) and (Ref. AMM TASK 52-73-11-400-001).
- (k) If the fault continues:
- replace the PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

- R (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:  
R - replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (a) If the fault continues:  
R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

R EFF : 209-225, 247-275, 285-299, 429-475,  
479-499, 503-549, 551-599, 701-749,

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- R (b) If the fault continues:
- R - do a check for a short to ground and repair the wiring if
- R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):
- R from EPSU (10WL) pin F to the connector(s) of the related signs
- R and lights,
- R from EPSU (10WL) pin T to the connector(s) of the related signs
- R and lights,
- R from EPSU (10WL) pin C to the connector of the PROXIMITY SWITCH
- R 4WN1,
- R from EPSU (10WL) pin D to the connector of the PROXIMITY SWITCH
- R 13WV1,
- R from EPSU (10WL) pin S to the connector of the PROXIMITY SWITCH
- R 4WN2,
- R from EPSU (10WL) pin <K to the connector of the PROXIMITY
- R SWITCH 13WV2,
- R from EPSU (10WL) pin <Q to the connector(s) of the proximity
- R switches,
- R - if you find a short to ground in the wiring, replace the POWER
- R SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001)
- R and (Ref. AMM TASK 33-51-38-400-001).
- R (c) If the fault continues:
- R - do the trouble shooting procedure EPSU - Internal Load Fault
- R Message (Ref. TSM TASK 33-51-00-810-807).

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

- R B. If the operational test gives the maintenance message
- R EPSU EXT LOAD FWD L:
- R - do the operational test of the emergency lights not with CIDS (Ref. AMM
- R TASK 33-51-00-710-006).
- R (1) If the green LED 'SYSTEM OK' comes on:
- R - replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-
- R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- R (2) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and a correct adapter
- R cable between the escape slide and the aircraft electrical connector
- R is available:
- R NOTE : A fault in one of the two forward escape slides can cause the
- R LED to come on.
- R NOTE : For tests, use one of the items of equipment that follow:
- R - A connector with four lamps (6V, 0.2 amps) in parallel
- R - A connector with a 7.5 ohm, 5 watt resistor
- R - A serviceable escape slide.

R EFF : 209-225, 245-245, 247-275, 285-299,  
429-475, 479-499, 503-549, 551-599, 701-749,  
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- (a) Do the subsequent procedures:
- remove the ESCAPE SLIDE FWD L (7500MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-012).
  - connect a serviceable escape slide with the adapter cable to the aircraft.
- (b) If the fault no longer exists:
- remove the old ESCAPE SLIDE FWD L (7500MM) fully (Ref. AMM TASK 25-62-44-000-012).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-007).
- (c) If the fault continues:
- connect the ESCAPE SLIDE FWD L (7500MM) electrically only.
  - remove the ESCAPE SLIDE FWD R (7501MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-012).
  - connect a serviceable escape slide with the adapter cable to the aircraft.
- (d) If the fault no longer exists:
- remove the old ESCAPE SLIDE FWD R (7501MM) fully (Ref. AMM TASK 25-62-44-000-012).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-007).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-007).
- (e) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2870VC pin A and EPSU (10WL) pin F,
    - escape slide connector 2870VC pin B and GND,
    - PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) pin E and EPSU (10WL) pin S,
    - PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) pin F and GND,
    - PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) pin E and EPSU (10WL) pin <K,
    - PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) pin F and GND(Ref. ASM 33-51/01) and (Ref. AWM 33-51-04).
- (f) If the fault no longer exists:
- install the old ESCAPE SLIDE FWD R (7501MM) (Ref. AMM TASK 25-62-44-400-007).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-007).
- (g) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2871VC pin A and EPSU (10WL) pin T,
    - escape slide connector 2871VC pin B and GND,

R EFF : 245-245,

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PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) pin E and EPSU (10WL) pin C,

PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) pin F and GND,

PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) pin E and EPSU (10WL) pin D,

PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) pin F and GND (Ref. ASM 33-51/01) and (Ref. AWM 33-51-04).

- install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-007).
- install the old ESCAPE SLIDE FWD R (7501MM) (Ref. AMM TASK 25-62-44-400-007).

(h) If the fault continues:

- replace the PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) (Ref. AMM TASK 52-73-11-000-001) and (Ref. AMM TASK 52-73-11-400-001).

(i) If the fault continues:

- replace the PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

(j) If the fault continues:

- replace the PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) (Ref. AMM TASK 52-73-11-000-001) and (Ref. AMM TASK 52-73-11-400-001).

(k) If the fault continues:

- replace the PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

(3) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:

**NOTE** : A fault in one of the two forward escape slides can cause the LED to come on.

**NOTE** : For tests, use one of the items of equipment that follow:

- A connector with four lamps (6V, 0.2 amps) in parallel
- A connector with a 7.5 ohm, 5 watt resistor
- A serviceable escape slide.

The subsequent procedure describes the connection of a serviceable escape slide.

(a) Do the subsequent procedures:

- remove the ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-000-012).
- connect a serviceable escape slide electrically only.

(b) If the fault no longer exists:

- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-007).

R EFF : 245-245,

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- (c) If the fault continues:
- connect the removed ESCAPE SLIDE FWD L (7500MM) electrically only.
  - remove the ESCAPE SLIDE FWD R (7501MM) (Ref. AMM TASK 25-62-44-000-012).
  - connect a serviceable escape slide electrically only.
- (d) If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-007).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-007).
- (e) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2870VC pin A and EPSU (10WL) pin F,
    - escape slide connector 2870VC pin B and GND,
    - PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) pin E and EPSU (10WL) pin S,
    - PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) pin F and GND,
    - PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) pin E and EPSU (10WL) pin <K,
    - PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) pin F and GND (Ref. ASM 33-51/01) and (Ref. AWM 33-51-04).
- (f) If the fault no longer exists:
- install the removed ESCAPE SLIDE FWD R (7501MM) again (Ref. AMM TASK 25-62-44-400-007).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-007).
- (g) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2871VC pin A and EPSU (10WL) pin T,
    - escape slide connector 2871VC pin B and GND,
    - PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) pin E and EPSU (10WL) pin C,
    - PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) pin F and GND,
    - PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) pin E and EPSU (10WL) pin D,
    - PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) pin F and GND (Ref. ASM 33-51/01) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE FWD L (7500MM) (Ref. AMM TASK 25-62-44-400-007).
  - install the removed ESCAPE SLIDE FWD R (7501MM) again (Ref. AMM TASK 25-62-44-400-007).
- (h) If the fault continues:
- replace the PROX SW-HANDLE, L FWD ESC SLIDE (4WN1) (Ref. AMM TASK 52-73-11-000-001) and (Ref. AMM TASK 52-73-11-400-001).

R EFF : 245-245,

SR0S

# **33-51-00**

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- (i) If the fault continues:
  - replace the PROX SW-HANDLE, L FWD PAX/CREW DOOR (13WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (j) If the fault continues:
  - replace the PROX SW-HANDLE, R FWD ESC SLIDE (4WN2) (Ref. AMM TASK 52-73-11-000-001) and (Ref. AMM TASK 52-73-11-400-001).
- (k) If the fault continues:
  - replace the PROX SW-HANDLE, R FWD PAX/CREW DOOR (13WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

R (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:  
R - replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R (a) If the fault continues:  
R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (10WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

R (b) If the fault continues:  
R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (10WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (10WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (10WL) pin C to the connector of the PROXIMITY SWITCH  
R 4WN1,  
R from EPSU (10WL) pin D to the connector of the PROXIMITY SWITCH  
R 13WV1,  
R from EPSU (10WL) pin S to the connector of the PROXIMITY SWITCH  
R 4WN2,  
R from EPSU (10WL) pin <K to the connector of the PROXIMITY  
R SWITCH 13WV2,  
R from EPSU (10WL) pin <Q to the connector(s) of the proximity  
R switches,  
R - if you find a short to ground in the wiring, replace the POWER  
R SUPPLY UNIT-EMERGENCY (10WL) (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).

R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - Internal Load Fault  
R Message (Ref. TSM TASK 33-51-00-810-807).

R EFF : 245-245,

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**\*\*ON A/C 201-208,**

- R C.** If the operational test gives the maintenance message  
**EPSU EXT LOAD EMER L:**
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).
- (1) If the green LED 'OK EXTERNAL LOADS' comes on:
- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (2) If the red LED 'FAULT EXTERNAL LOADS' comes on, do the test of the left escape-hatch switches of the emergency-exit escape-slide lighting (Ref. AMM TASK 33-51-00-720-001).
- (a) If one or more lamps of the LIGHT-FWD EMER, OVERWING (61WL) and the LIGHT-AFT EMER, OVERWING (63WL) do not come on:
- replace the lamp(s) (Ref. AMM TASK 33-51-15-000-001) and (Ref. AMM TASK 33-51-15-400-001).
- 1 If the fault continues:
- replace the related LIGHT-FWD EMER, OVERWING (61WL) and/or LIGHT-AFT EMER, OVERWING (63WL) (Ref. AMM TASK 33-51-15-000-001) and (Ref. AMM TASK 33-51-15-400-001).
- (b) If all lamps of the LIGHT-FWD EMER, OVERWING (61WL) and the LIGHT-AFT EMER, OVERWING (63WL) come on and a correct adapter cable between the escape slide and the aircraft electrical connector is available:
- remove the ESCAPE SLIDE OFFWING L (7504MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-42-000-001).
  - connect a serviceable escape slide with the adapter cable to the aircraft.
  - do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).
- 1 If the fault no longer exists:
- remove the old ESCAPE SLIDE OFFWING L (7504MM) fully (Ref. AMM TASK 25-62-42-000-001).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-42-400-001).
- 2 If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 7531VC pin A and EPSU (11WL) pin T,
    - escape slide connector 7531VC pin B and GND,
    - LIGHT-FWD EMER, OVERWING (61WL) connector A/B and EPSU (11WL) pin T,
    - LIGHT-FWD EMER, OVERWING (61WL) connector A/A and GND,
    - LIGHT-FWD EMER, OVERWING (61WL) connector A/C and GND,

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LIGHT-AFT EMER, OVERWING (63WL) connector A/B and EPSU (11WL) pin F,

LIGHT-AFT EMER, OVERWING (63WL) connector A/A and GND,

LIGHT-AFT EMER, OVERWING (63WL) connector A/C and GND,

PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin E and EPSU (11WL) pin S,

PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin F and GND,

PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin E and EPSU (11WL) pin <K,

PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

- install the old ESCAPE SLIDE OFFWING L (7504MM) (Ref. AMM TASK 25-62-42-400-001).

3 If the fault continues:

- replace the PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).

4 If the fault continues:

- replace the PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).

(c) If all lamps of the LIGHT-FWD EMER, OVERWING (61WL) and the LIGHT-AFT EMER, OVERWING (63WL) come on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:

- remove the ESCAPE SLIDE OFFWING L (7504MM) (Ref. AMM TASK 25-62-42-000-001).
- connect a serviceable escape slide electrically only.
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

1 If the fault no longer exists:

- install a serviceable escape slide (Ref. AMM TASK 25-62-42-400-001).

2 If the fault continues:

- do a check and repair the wiring between:
  - escape slide connector 7531VC pin A and EPSU (11WL) pin T,
  - escape slide connector 7531VC pin B and GND,
  - LIGHT-FWD EMER, OVERWING (61WL) connector A/B and EPSU (11WL) pin T,
  - LIGHT-FWD EMER, OVERWING (61WL) connector A/A and GND,
  - LIGHT-FWD EMER, OVERWING (61WL) connector A/C and GND,
  - LIGHT-AFT EMER, OVERWING (63WL) connector A/B and EPSU (11WL) pin F,
  - LIGHT-AFT EMER, OVERWING (63WL) connector A/A and GND,
  - LIGHT-AFT EMER, OVERWING (63WL) connector A/C and GND,

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PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin E and EPSU (11WL) pin S,

PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin F and GND,

PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin E and EPSU (11WL) pin <K,

PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin F and GND (Ref. ASM 33-51/02) and (Ref. AMM 33-51-04).

- install the removed ESCAPE SLIDE OFFWING L (7504MM) again (Ref. AMM TASK 25-62-42-400-001).

### **3 If the fault continues:**

- replace the PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).

### **4 If the fault continues:**

- replace the PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).

R (3) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:

- R - replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R (a) If the fault continues:

- R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

R (b) If the fault continues:

- R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (11WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (11WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (11WL) pin S to the connector of the PROXIMITY SWITCH  
R 6WN1,  
R from EPSU (11WL) pin <K to the connector of the PROXIMITY  
R SWITCH 21WV1,  
R from EPSU (11WL) pin <Q to the connector(s) of the proximity  
R switches,  
R - if you find a short to ground in the wiring, replace the POWER  
R SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).

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- R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - Internal Load Fault  
R Message (Ref. TSM TASK 33-51-00-810-807).
- R D. If the operational test gives the maintenance message  
EPSU EXT LOAD EMER R:  
- do the operational test of the emergency lights not with CIDS (Ref. AMM  
TASK 33-51-00-710-006).
- (1) If the green LED 'OK EXTERNAL LOADS' comes on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-  
51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (2) If the red LED 'FAULT EXTERNAL LOADS' comes on, do the test of the  
right escape-hatch switches of the emergency-exit escape-slide  
lighting (Ref. AMM TASK 33-51-00-720-001).
- (a) If one or more lamps of the LIGHT-FWD EMER, OVERWING (60WL) and  
the LIGHT-AFT EMER, OVERWING (62WL) do not come on:  
- replace the lamp(s) (Ref. AMM TASK 33-51-15-000-001) and (Ref.  
AMM TASK 33-51-15-400-001).
- 1 If the fault continues:  
- replace the related LIGHT-FWD EMER, OVERWING (60WL) and/or  
LIGHT-AFT EMER, OVERWING (62WL) (Ref. AMM TASK 33-51-15-000-  
001) and (Ref. AMM TASK 33-51-15-400-001).
- (b) If all lamps of the LIGHT-FWD EMER, OVERWING (60WL) and the  
LIGHT-AFT EMER, OVERWING (62WL) come on and a correct adapter  
cable between the escape slide and the aircraft electrical  
connector is available:  
- remove the ESCAPE SLIDE OFFWING R (7505MM) as necessary to get  
access to the electrical connector (Ref. AMM TASK 25-62-42-000-  
001).  
- connect a serviceable escape slide with the adapter cable to  
the aircraft.  
- do the operational test of the emergency lights not with CIDS  
(Ref. AMM TASK 33-51-00-710-006).
- 1 If the fault no longer exists:  
- remove the old ESCAPE SLIDE OFFWING R (7505MM) fully (Ref.  
AMM TASK 25-62-42-000-001).  
- install a serviceable escape slide (Ref. AMM TASK 25-62-42-  
400-001).
- 2 If the fault continues:  
- do a check and repair the wiring between:  
escape slide connector 7532VC pin A and EPSU (12WL) pin T,  
escape slide connector 7532VC pin B and GND,  
LIGHT-FWD EMER, OVERWING (60WL) connector A/B and EPSU  
(12WL) pin T,  
LIGHT-FWD EMER, OVERWING (60WL) connector A/A and GND,

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LIGHT-FWD EMER, OVERWING (60WL) connector A/C and GND,  
LIGHT-AFT EMER, OVERWING (62WL) connector A/B and EPSU  
(12WL) pin F,

LIGHT-AFT EMER, OVERWING (62WL) connector A/A and GND,  
LIGHT-AFT EMER, OVERWING (62WL) connector A/C and GND,

PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin E and  
EPSU (12WL) pin S,

PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin F and  
GND,

PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin E and EPSU  
(12WL) pin <K,

PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

- install the old ESCAPE SLIDE OFFWING R (7505MM) (Ref. AMM TASK 25-62-42-400-001).

3 If the fault continues:

- replace the PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).

4 If the fault continues:

- replace the PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).

(c) If all lamps of the LIGHT-FWD EMER, OVERWING (60WL) and the LIGHT-AFT EMER, OVERWING (62WL) come on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:

- remove the ESCAPE SLIDE OFFWING R (7505MM) (Ref. AMM TASK 25-62-42-000-001).
- connect a serviceable escape slide electrically only.
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

1 If the fault no longer exists:

- install a serviceable escape slide (Ref. AMM TASK 25-62-42-400-001).

2 If the fault continues:

- do a check and repair the wiring between:  
escape slide connector 7532VC pin A and EPSU (12WL) pin T,  
escape slide connector 7532VC pin B and GND,  
LIGHT-FWD EMER, OVERWING (60WL) connector A/B and EPSU (12WL) pin T,  
LIGHT-FWD EMER, OVERWING (60WL) connector A/A and GND,  
LIGHT-FWD EMER, OVERWING (60WL) connector A/C and GND,  
LIGHT-AFT EMER, OVERWING (62WL) connector A/B and EPSU (12WL) pin F,  
LIGHT-AFT EMER, OVERWING (62WL) connector A/A and GND,  
LIGHT-AFT EMER, OVERWING (62WL) connector A/C and GND,

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## **TROUBLE SHOOTING MANUAL**

PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin E and EPSU (12WL) pin S,

PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin F and GND,

PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin E and EPSU (12WL) pin <K,

PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

- install the removed ESCAPE SLIDE OFFWING R (7505MM) again (Ref. AMM TASK 25-62-42-400-001).

### 3 If the fault continues:

- replace the PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).

### 4 If the fault continues:

- replace the PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).

R (3) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:

- R - replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R (a) If the fault continues:

- R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

R (b) If the fault continues:

- R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (12WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (12WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (12WL) pin S to the connector of the PROXIMITY SWITCH  
R 6WN2,  
R from EPSU (12WL) pin <K to the connector of the PROXIMITY  
R SWITCH 21WV2,  
R from EPSU (12WL) pin <Q to the connector(s) of the proximity  
R switches,  
R - if you find a short to ground in the wiring, replace the POWER  
R SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).

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- R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - Internal Load Fault  
R Message (Ref. TSM TASK 33-51-00-810-807).

**\*\*ON A/C 209-225, 451-475, 551-599,**

- R C. If the operational test gives the maintenance message  
EPSU EXT LOAD EMER L:  
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

- (1) If the green LED 'SYSTEM OK' comes on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- (2) If the red LED 'EXTERIOR LIGHTS FAULT' comes on, do the test of the left escape-hatch switches of the emergency-exit escape-slide lighting (Ref. AMM TASK 33-51-00-720-001).

- (a) If one or more lamps of the LIGHT-FWD EMER, OVERWING (61WL) and the LIGHT-AFT EMER, OVERWING (63WL) do not come on:  
- replace the lamp(s) (Ref. AMM TASK 33-51-15-000-001) and (Ref. AMM TASK 33-51-15-400-001).

- 1 If the fault continues:  
- replace the related LIGHT-FWD EMER, OVERWING (61WL) and/or LIGHT-AFT EMER, OVERWING (63WL) (Ref. AMM TASK 33-51-15-000-001) and (Ref. AMM TASK 33-51-15-400-001).

- (b) If all lamps of the LIGHT-FWD EMER, OVERWING (61WL) and the LIGHT-AFT EMER, OVERWING (63WL) come on and a correct adapter cable between the escape slide and the aircraft electrical connector is available:  
- remove the ESCAPE SLIDE OFFWING L (7504MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-42-000-001).  
- connect a serviceable escape slide with the adapter cable to the aircraft.  
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

- 1 If the fault no longer exists:  
- remove the old ESCAPE SLIDE OFFWING L (7504MM) fully (Ref. AMM TASK 25-62-42-000-001).  
- install a serviceable escape slide (Ref. AMM TASK 25-62-42-400-001).

- 2 If the fault continues:  
- do a check and repair the wiring between:  
escape slide connector 7531VC pin A and EPSU (11WL) pin T,  
escape slide connector 7531VC pin B and GND,

R EFF : 201-225, 451-475, 551-599,

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## **TROUBLE SHOOTING MANUAL**

LIGHT-FWD EMER, OVERWING (61WL) connector A/B and EPSU (11WL) pin T,

LIGHT-FWD EMER, OVERWING (61WL) connector A/A and GND,

LIGHT-FWD EMER, OVERWING (61WL) connector A/C and GND,

LIGHT-AFT EMER, OVERWING (63WL) connector A/B and EPSU (11WL) pin F,

LIGHT-AFT EMER, OVERWING (63WL) connector A/A and GND,

LIGHT-AFT EMER, OVERWING (63WL) connector A/C and GND,

PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin E and EPSU (11WL) pin S,

PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin F and GND,

PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin E and EPSU (11WL) pin <K,

PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

- install the old ESCAPE SLIDE OFFWING L (7504MM) (Ref. AMM TASK 25-62-42-400-001).

3 If the fault continues:

- replace the PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).

4 If the fault continues:

- replace the PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).

(c) If all lamps of the LIGHT-FWD EMER, OVERWING (61WL) and the LIGHT-AFT EMER, OVERWING (63WL) come on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:

- remove the ESCAPE SLIDE OFFWING L (7504MM) (Ref. AMM TASK 25-62-42-000-001).
- connect a serviceable escape slide electrically only.
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

1 If the fault no longer exists:

- install a serviceable escape slide (Ref. AMM TASK 25-62-42-400-001).

2 If the fault continues:

- do a check and repair the wiring between:
  - escape slide connector 7531VC pin A and EPSU (11WL) pin T,
  - escape slide connector 7531VC pin B and GND,
  - LIGHT-FWD EMER, OVERWING (61WL) connector A/B and EPSU (11WL) pin T,
  - LIGHT-FWD EMER, OVERWING (61WL) connector A/A and GND,
  - LIGHT-FWD EMER, OVERWING (61WL) connector A/C and GND,

R EFF : 209-225, 451-475, 551-599,

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# **A319/A320/A321**

## **TROUBLE SHOOTING MANUAL**

LIGHT-AFT EMER, OVERWING (63WL) connector A/B and EPSU (11WL) pin F,

LIGHT-AFT EMER, OVERWING (63WL) connector A/A and GND,

LIGHT-AFT EMER, OVERWING (63WL) connector A/C and GND,

PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin E and EPSU (11WL) pin S,

PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin F and GND,

PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin E and EPSU (11WL) pin <K,

PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

- install the removed ESCAPE SLIDE OFFWING L (7504MM) again (Ref. AMM TASK 25-62-42-400-001).

### 3 If the fault continues:

- replace the PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).

### 4 If the fault continues:

- replace the PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).

R (3) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:

- R - replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R (a) If the fault continues:

- R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

R (b) If the fault continues:

- R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (11WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (11WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (11WL) pin S to the connector of the PROXIMITY SWITCH  
R 6WN1,  
R from EPSU (11WL) pin <K to the connector of the PROXIMITY  
R SWITCH 21WV1,  
R from EPSU (11WL) pin <Q to the connector(s) of the proximity  
R switches,

R EFF : 209-225, 451-475, 551-599,

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# **A319/A320/A321**

## **TROUBLE SHOOTING MANUAL**

- R                   - if you find a short to ground in the wiring, replace the **POWER**  
R                   **SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001)  
R                   and (Ref. AMM TASK 33-51-38-400-001).
- R                   (c) If the fault continues:  
R                   - do the trouble shooting procedure **EPSU - Internal Load Fault**  
R                   **Message** (Ref. TSM TASK 33-51-00-810-807).
- R       D. If the operational test gives the maintenance message  
      **EPSU EXT LOAD EMER R:**  
      - do the operational test of the emergency lights not with **CIDS** (Ref. AMM  
      TASK 33-51-00-710-006).
- (1) If the green LED '**SYSTEM OK**' comes on:  
          - replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-  
          51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (2) If the red LED '**EXTERIOR LIGHTS FAULT**' comes on, do the test of the  
      right escape-hatch switches of the emergency-exit escape-slide  
      lighting (Ref. AMM TASK 33-51-00-720-001).
- (a) If one or more lamps of the **LIGHT-FWD EMER, OVERWING (60WL)** and  
      the **LIGHT-AFT EMER, OVERWING (62WL)** do not come on:  
          - replace the lamp(s) (Ref. AMM TASK 33-51-15-000-001) and (Ref.  
          AMM TASK 33-51-15-400-001).
- 1 If the fault continues:  
              - replace the related **LIGHT-FWD EMER, OVERWING (60WL)** and/or  
              **LIGHT-AFT EMER, OVERWING (62WL)** (Ref. AMM TASK 33-51-15-000-  
              001) and (Ref. AMM TASK 33-51-15-400-001).
- (b) If all lamps of the **LIGHT-FWD EMER, OVERWING (60WL)** and the  
      **LIGHT-AFT EMER, OVERWING (62WL)** come on and a correct adapter  
      cable between the escape slide and the aircraft electrical  
      connector is available:  
          - remove the **ESCAPE SLIDE OFFWING R (7505MM)** as necessary to get  
          access to the electrical connector (Ref. AMM TASK 25-62-42-000-  
          001).  
          - connect a serviceable escape slide with the adapter cable to  
          the aircraft.  
          - do the operational test of the emergency lights not with **CIDS**  
          (Ref. AMM TASK 33-51-00-710-006).
- 1 If the fault no longer exists:  
              - remove the old **ESCAPE SLIDE OFFWING R (7505MM)** fully (Ref.  
              AMM TASK 25-62-42-000-001).  
              - install a serviceable escape slide (Ref. AMM TASK 25-62-42-  
              400-001).
- 2 If the fault continues:  
              - do a check and repair the wiring between:  
              escape slide connector **7532VC** pin A and **EPSU (12WL)** pin T,

R   EFF :   209-225, 451-475, 551-599,

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escape slide connector 7532VC pin B and GND,  
LIGHT-FWD EMER, OVERWING (60WL) connector A/B and EPSU (12WL) pin T,  
LIGHT-FWD EMER, OVERWING (60WL) connector A/A and GND,  
LIGHT-FWD EMER, OVERWING (60WL) connector A/C and GND,  
LIGHT-AFT EMER, OVERWING (62WL) connector A/B and EPSU (12WL) pin F,  
LIGHT-AFT EMER, OVERWING (62WL) connector A/A and GND,  
LIGHT-AFT EMER, OVERWING (62WL) connector A/C and GND,  
PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin E and EPSU (12WL) pin S,  
PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin F and GND,  
PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin E and EPSU (12WL) pin <K,  
PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

- install the old ESCAPE SLIDE OFFWING R (7505MM) (Ref. AMM TASK 25-62-42-400-001).

3 If the fault continues:

- replace the PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).

4 If the fault continues:

- replace the PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).

(c) If all lamps of the LIGHT-FWD EMER, OVERWING (60WL) and the LIGHT-AFT EMER, OVERWING (62WL) come on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:

- remove the ESCAPE SLIDE OFFWING R (7505MM) (Ref. AMM TASK 25-62-42-000-001).
- connect a serviceable escape slide electrically only.
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

1 If the fault no longer exists:

- install a serviceable escape slide (Ref. AMM TASK 25-62-42-400-001).

2 If the fault continues:

- do a check and repair the wiring between:  
escape slide connector 7532VC pin A and EPSU (12WL) pin T,  
escape slide connector 7532VC pin B and GND,  
LIGHT-FWD EMER, OVERWING (60WL) connector A/B and EPSU (12WL) pin T,  
LIGHT-FWD EMER, OVERWING (60WL) connector A/A and GND,  
LIGHT-FWD EMER, OVERWING (60WL) connector A/C and GND,

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LIGHT-AFT EMER, OVERWING (62WL) connector A/B and EPSU (12WL) pin F,

LIGHT-AFT EMER, OVERWING (62WL) connector A/A and GND,

LIGHT-AFT EMER, OVERWING (62WL) connector A/C and GND,

PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin E and EPSU (12WL) pin S,

PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin F and GND,

PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin E and EPSU (12WL) pin <K,

PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

- install the removed ESCAPE SLIDE OFFWING R (7505MM) again (Ref. AMM TASK 25-62-42-400-001).

### 3 If the fault continues:

- replace the PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).

### 4 If the fault continues:

- replace the PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).

R (3) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:

- R - replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R (a) If the fault continues:

- R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

R (b) If the fault continues:

- R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (12WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (12WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (12WL) pin S to the connector of the PROXIMITY SWITCH  
R 6WN2,  
R from EPSU (12WL) pin <K to the connector of the PROXIMITY  
R SWITCH 21WV2,  
R from EPSU (12WL) pin <Q to the connector(s) of the proximity  
R switches,

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- if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (12WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- (c) If the fault continues:
  - do the trouble shooting procedure **EPSU - Internal Load Fault Message** (Ref. TSM TASK 33-51-00-810-807).

**R \*\*ON A/C 227-227, 229-244, 426-428,**

**C. If the operational test gives the maintenance message  
EPSU EXT LOAD EMER L:**

- do the operational test of the emergency lights not with **CIDS** (Ref. AMM TASK 33-51-00-710-006).

- (1) If the green LED '**OK EXTERNAL LOADS**' comes on:
  - replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- (2) If the red LED '**FAULT EXTERNAL LOADS**' comes on, do the test of the left escape-hatch switches of the emergency-exit escape-slide lighting (Ref. AMM TASK 33-51-00-720-001).

- (a) If one or more lamps of the **LIGHT-FWD EMER, OVERWING (61WL)** and the **LIGHT-AFT EMER, OVERWING (63WL)** do not come on:
  - replace the lamp(s) (Ref. AMM TASK 33-51-15-000-001) and (Ref. AMM TASK 33-51-15-400-001).

- 1 If the fault continues:
  - replace the related **LIGHT-FWD EMER, OVERWING (61WL)** and/or **LIGHT-AFT EMER, OVERWING (63WL)** (Ref. AMM TASK 33-51-15-000-001) and (Ref. AMM TASK 33-51-15-400-001).

- (b) If all lamps of the **LIGHT-FWD EMER, OVERWING (61WL)** and the **LIGHT-AFT EMER, OVERWING (63WL)** come on and a correct adapter cable between the escape slide and the aircraft electrical connector is available:
  - remove the **ESCAPE SLIDE OFFWING L (7504MM)** as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-42-000-001).
  - connect a serviceable escape slide with the adapter cable to the aircraft.
  - do the operational test of the emergency lights not with **CIDS** (Ref. AMM TASK 33-51-00-710-006).

- 1 If the fault no longer exists:
  - remove the old **ESCAPE SLIDE OFFWING L (7504MM)** fully (Ref. AMM TASK 25-62-42-000-001).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-42-400-001).

**R EFF : 209-225, 227-227, 229-244, 426-428,  
451-475, 551-599,**

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- 2 If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 7531VC pin A and EPSU (11WL) pin T,  
escape slide connector 7531VC pin B and GND,  
LIGHT-FWD EMER, OVERWING (61WL) connector A/B and EPSU (11WL) pin T,  
LIGHT-FWD EMER, OVERWING (61WL) connector A/A and GND,  
LIGHT-FWD EMER, OVERWING (61WL) connector A/C and GND,  
LIGHT-AFT EMER, OVERWING (63WL) connector A/B and EPSU (11WL) pin F,  
LIGHT-AFT EMER, OVERWING (63WL) connector A/A and GND,  
LIGHT-AFT EMER, OVERWING (63WL) connector A/C and GND,  
PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin E and EPSU (11WL) pin S,  
PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin F and GND,  
PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin E and EPSU (11WL) pin <K,  
PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin F and GND,  
PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) pin E and EPSU (11WL) pin C,  
PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) pin F and GND,  
PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) pin E and EPSU (11WL) pin D,  
PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE OFFWING L (7504MM) (Ref. AMM TASK 25-62-42-400-001).
- 3 If the fault continues:
- replace the PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).
- 4 If the fault continues:
- replace the PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).
- 5 If the fault continues:
- replace the PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) (Ref. AMM TASK 52-73-11-000-003) and (Ref. AMM TASK 52-73-11-400-003).
- 6 If the fault continues:
- replace the PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).

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- (c) If all lamps of the LIGHT-FWD EMER, OVERWING (61WL) and the LIGHT-AFT EMER, OVERWING (63WL) come on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:
- remove the ESCAPE SLIDE OFFWING L (7504MM) (Ref. AMM TASK 25-62-42-000-001).
  - connect a serviceable escape slide electrically only.
  - do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).
- 1 If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-42-400-001).
- 2 If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 7531VC pin A and EPSU (11WL) pin T,
    - escape slide connector 7531VC pin B and GND,
    - LIGHT-FWD EMER, OVERWING (61WL) connector A/B and EPSU (11WL) pin T,
    - LIGHT-FWD EMER, OVERWING (61WL) connector A/A and GND,
    - LIGHT-FWD EMER, OVERWING (61WL) connector A/C and GND,
    - LIGHT-AFT EMER, OVERWING (63WL) connector A/B and EPSU (11WL) pin F,
    - LIGHT-AFT EMER, OVERWING (63WL) connector A/A and GND,
    - LIGHT-AFT EMER, OVERWING (63WL) connector A/C and GND,
    - PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin E and EPSU (11WL) pin S,
    - PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin F and GND,
    - PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin E and EPSU (11WL) pin <K,
    - PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin F and GND,
    - PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) pin E and EPSU (11WL) pin C,
    - PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) pin F and GND,
    - PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) pin E and EPSU (11WL) pin D,
    - PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) pin F and GND (Ref. ASM 33-51/02) and (Ref. AMM 33-51-04).
  - install the removed ESCAPE SLIDE OFFWING L (7504MM) again (Ref. AMM TASK 25-62-42-400-001).
- 3 If the fault continues:
- replace the PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).

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- 4 If the fault continues:
- replace the PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).
- 5 If the fault continues:
- replace the PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) (Ref. AMM TASK 52-73-11-000-003) and (Ref. AMM TASK 52-73-11-400-003).
- 6 If the fault continues:
- replace the PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).
- (3) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR LIGHTS FAULT' flash:
- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- check all connected exterior lights and proximity switches for a short-circuit and replace if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04),
  - if you find one or more defective exterior lights or proximity switches, replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).
- (b) If the fault continues:
- do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):
    - from EPSU (11WL) pin F to the connector(s) of the related signs and lights,
    - from EPSU (11WL) pin T to the connector(s) of the related signs and lights,
    - from EPSU (11WL) pin C to the connector of the PROXIMITY SWITCH 5WN1,
    - from EPSU (11WL) pin D to the connector of the PROXIMITY SWITCH 19WV1,
    - from EPSU (11WL) pin S to the connector of the PROXIMITY SWITCH 6WN1,
    - from EPSU (11WL) pin <K to the connector of the PROXIMITY SWITCH 21WV1,
    - from EPSU (11WL) pin <Q to the connector(s) of the proximity switches,
  - if you find a short to ground in the wiring, replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (c) If the fault continues:
- do the trouble shooting procedure EPSU - Internal Load Fault Message (Ref. TSM TASK 33-51-00-810-807).

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D. If the operational test gives the maintenance message

EPSU EXT LOAD EMER R:

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

(1) If the green LED 'OK EXTERNAL LOADS' comes on:

- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(2) If the red LED 'FAULT EXTERNAL LOADS' comes on, do the test of the right escape-hatch switches of the emergency-exit escape-slide lighting (Ref. AMM TASK 33-51-00-720-001).

(a) If one or more lamps of the LIGHT-FWD EMER, OVERWING (60WL) and the LIGHT-AFT EMER, OVERWING (62WL) do not come on:

- replace the lamp(s) (Ref. AMM TASK 33-51-15-000-001) and (Ref. AMM TASK 33-51-15-400-001).

1 If the fault continues:

- replace the related LIGHT-FWD EMER, OVERWING (60WL) and/or LIGHT-AFT EMER, OVERWING (62WL) (Ref. AMM TASK 33-51-15-000-001) and (Ref. AMM TASK 33-51-15-400-001).

(b) If all lamps of the LIGHT-FWD EMER, OVERWING (60WL) and the LIGHT-AFT EMER, OVERWING (62WL) come on and a correct adapter cable between the escape slide and the aircraft electrical connector is available:

- remove the ESCAPE SLIDE OFFWING R (7505MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-42-000-001).
- connect a serviceable escape slide with the adapter cable to the aircraft.
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

1 If the fault no longer exists:

- remove the old ESCAPE SLIDE OFFWING R (7505MM) fully (Ref. AMM TASK 25-62-42-000-001).
- install a serviceable escape slide (Ref. AMM TASK 25-62-42-400-001).

2 If the fault continues:

- do a check and repair the wiring between:
  - escape slide connector 7532VC pin A and EPSU (12WL) pin T,
  - escape slide connector 7532VC pin B and GND,
  - LIGHT-FWD EMER, OVERWING (60WL) connector A/B and EPSU (12WL) pin T,
  - LIGHT-FWD EMER, OVERWING (60WL) connector A/A and GND,
  - LIGHT-FWD EMER, OVERWING (60WL) connector A/C and GND,
  - LIGHT-AFT EMER, OVERWING (62WL) connector A/B and EPSU (12WL) pin F,
  - LIGHT-AFT EMER, OVERWING (62WL) connector A/A and GND,

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LIGHT-AFT EMER, OVERWING (62WL) connector A/C and GND,  
PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin E and  
EPSU (12WL) pin S,  
PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin F and  
GND,  
PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin E and EPSU  
(12WL) pin <K,  
PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin F and GND,  
PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) pin E and  
EPSU (12WL) pin C,  
PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) pin F and  
GND,  
PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) pin E and EPSU  
(12WL) pin D,  
PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

- install the old ESCAPE SLIDE OFFWING R (7505MM) (Ref. AMM TASK 25-62-42-400-001).

3 If the fault continues:

- replace the PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).

4 If the fault continues:

- replace the PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).

5 If the fault continues:

- replace the PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) (Ref. AMM TASK 52-73-11-000-003) and (Ref. AMM TASK 52-73-11-400-003).

6 If the fault continues:

- replace the PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).

(c) If all lamps of the LIGHT-FWD EMER, OVERWING (60WL) and the LIGHT-AFT EMER, OVERWING (62WL) come on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:

- remove the ESCAPE SLIDE OFFWING R (7505MM) (Ref. AMM TASK 25-62-42-000-001).
- connect a serviceable escape slide electrically only.
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

1 If the fault no longer exists:

- install a serviceable escape slide (Ref. AMM TASK 25-62-42-400-001).

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- 2 If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 7532VC pin A and EPSU (12WL) pin T,  
escape slide connector 7532VC pin B and GND,  
LIGHT-FWD EMER, OVERWING (60WL) connector A/B and EPSU (12WL) pin T,  
LIGHT-FWD EMER, OVERWING (60WL) connector A/A and GND,  
LIGHT-FWD EMER, OVERWING (60WL) connector A/C and GND,  
LIGHT-AFT EMER, OVERWING (62WL) connector A/B and EPSU (12WL) pin F,  
LIGHT-AFT EMER, OVERWING (62WL) connector A/A and GND,  
LIGHT-AFT EMER, OVERWING (62WL) connector A/C and GND,  
PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin E and EPSU (12WL) pin S,  
PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin F and GND,  
PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin E and EPSU (12WL) pin <K,  
PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin F and GND,  
PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) pin E and EPSU (12WL) pin C,  
PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) pin F and GND,  
PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) pin E and EPSU (12WL) pin D,  
PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
  - install the removed ESCAPE SLIDE OFFWING R (7505MM) again (Ref. AMM TASK 25-62-42-400-001).
- 3 If the fault continues:
- replace the PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).
- 4 If the fault continues:
- replace the PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).
- 5 If the fault continues:
- replace the PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) (Ref. AMM TASK 52-73-11-000-003) and (Ref. AMM TASK 52-73-11-400-003).
- 6 If the fault continues:
- replace the PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).

R EFF : 227-227, 229-244, 426-428,

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(3) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR LIGHTS FAULT' flash:

- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(a) If the fault continues:

- check all connected exterior lights and proximity switches for a short-circuit and replace if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04),
- if you find one or more defective exterior lights or proximity switches, replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

(b) If the fault continues:

- do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
from EPSU (12WL) pin F to the connector(s) of the related signs and lights,  
from EPSU (12WL) pin T to the connector(s) of the related signs and lights,  
from EPSU (12WL) pin C to the connector of the PROXIMITY SWITCH 5WN2,  
from EPSU (12WL) pin D to the connector of the PROXIMITY SWITCH 19WV2,  
from EPSU (12WL) pin S to the connector of the PROXIMITY SWITCH 6WN2,  
from EPSU (12WL) pin <K to the connector of the PROXIMITY SWITCH 21WV2,  
from EPSU (12WL) pin <Q to the connector(s) of the proximity switches,
- if you find a short to ground in the wiring, replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(c) If the fault continues:

- do the trouble shooting procedure EPSU - Internal Load Fault Message (Ref. TSM TASK 33-51-00-810-807).

**\*\*ON A/C 245-275, 429-450, 701-749,**

C. If the operational test gives the maintenance message

EPSU EXT LOAD EMER L:

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

(1) If the green LED 'SYSTEM OK' comes on:

- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R EFF : 227-227, 229-275, 426-450, 701-749,

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- (2) If the red LED 'EXTERIOR LIGHTS FAULT' comes on, do the test of the left escape-hatch switches of the emergency-exit escape-slide lighting (Ref. AMM TASK 33-51-00-720-001).
- (a) If one or more lamps of the LIGHT-FWD EMER, OVERWING (61WL) and the LIGHT-AFT EMER, OVERWING (63WL) do not come on:
- replace the lamp(s) (Ref. AMM TASK 33-51-15-000-001) and (Ref. AMM TASK 33-51-15-400-001).
- 1 If the fault continues:
- replace the related LIGHT-FWD EMER, OVERWING (61WL) and/or LIGHT-AFT EMER, OVERWING (63WL) (Ref. AMM TASK 33-51-15-000-001) and (Ref. AMM TASK 33-51-15-400-001).
- (b) If all lamps of the LIGHT-FWD EMER, OVERWING (61WL) and the LIGHT-AFT EMER, OVERWING (63WL) come on and a correct adapter cable between the escape slide and the aircraft electrical connector is available:
- remove the ESCAPE SLIDE OFFWING L (7504MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-42-000-001).
  - connect a serviceable escape slide with the adapter cable to the aircraft.
  - do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).
- 1 If the fault no longer exists:
- remove the old ESCAPE SLIDE OFFWING L (7504MM) fully (Ref. AMM TASK 25-62-42-000-001).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-42-400-001).
- 2 If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 7531VC pin A and EPSU (11WL) pin T,
    - escape slide connector 7531VC pin B and GND,
    - LIGHT-FWD EMER, OVERWING (61WL) connector A/B and EPSU (11WL) pin T,
    - LIGHT-FWD EMER, OVERWING (61WL) connector A/A and GND,
    - LIGHT-FWD EMER, OVERWING (61WL) connector A/C and GND,
    - LIGHT-AFT EMER, OVERWING (63WL) connector A/B and EPSU (11WL) pin F,
    - LIGHT-AFT EMER, OVERWING (63WL) connector A/A and GND,
    - LIGHT-AFT EMER, OVERWING (63WL) connector A/C and GND,
    - PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin E and EPSU (11WL) pin S,
    - PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin F and GND,
    - PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin E and EPSU (11WL) pin <K,
    - PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin F and GND,

R EFF : 245-275, 429-450, 701-749,

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PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) pin E and EPSU (11WL) pin C,  
PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) pin F and GND,  
PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) pin E and EPSU (11WL) pin D,  
PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).  
- install the old ESCAPE SLIDE OFFWING L (7504MM) (Ref. AMM TASK 25-62-42-400-001).

3 If the fault continues:  
- replace the PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).

4 If the fault continues:  
- replace the PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).

5 If the fault continues:  
- replace the PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) (Ref. AMM TASK 52-73-11-000-003) and (Ref. AMM TASK 52-73-11-400-003).

6 If the fault continues:  
- replace the PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).

(c) If all lamps of the LIGHT-FWD EMER, OVERWING (61WL) and the LIGHT-AFT EMER, OVERWING (63WL) come on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:  
- remove the ESCAPE SLIDE OFFWING L (7504MM) (Ref. AMM TASK 25-62-42-000-001).  
- connect a serviceable escape slide electrically only.  
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

1 If the fault no longer exists:  
- install a serviceable escape slide (Ref. AMM TASK 25-62-42-400-001).

2 If the fault continues:  
- do a check and repair the wiring between:  
escape slide connector 7531VC pin A and EPSU (11WL) pin T,  
escape slide connector 7531VC pin B and GND,  
LIGHT-FWD EMER, OVERWING (61WL) connector A/B and EPSU (11WL) pin T,  
LIGHT-FWD EMER, OVERWING (61WL) connector A/A and GND,

R EFF : 245-275, 429-450, 701-749,

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LIGHT-FWD EMER, OVERWING (61WL) connector A/C and GND,  
LIGHT-AFT EMER, OVERWING (63WL) connector A/B and EPSU  
(11WL) pin F,  
LIGHT-AFT EMER, OVERWING (63WL) connector A/A and GND,  
LIGHT-AFT EMER, OVERWING (63WL) connector A/C and GND,  
PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin E and  
EPSU (11WL) pin S,  
PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin F and  
GND,  
PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin E and EPSU  
(11WL) pin <K,  
PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin F and GND,  
PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) pin E and  
EPSU (11WL) pin C,  
PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) pin F and  
GND,  
PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) pin E and EPSU  
(11WL) pin D,  
PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

- install the removed ESCAPE SLIDE OFFWING L (7504MM) again  
(Ref. AMM TASK 25-62-42-400-001).

3 If the fault continues:

- replace the PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1)  
(Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-  
11-400-004).

4 If the fault continues:

- replace the PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1)  
(Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-  
13-400-001).

5 If the fault continues:

- replace the PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1)  
(Ref. AMM TASK 52-73-11-000-003) and (Ref. AMM TASK 52-73-  
11-400-003).

6 If the fault continues:

- replace the PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1)  
(Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-  
13-400-001).

R (3) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:  
R - replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R (a) If the fault continues:  
R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),

R EFF : 245-275, 429-450, 701-749,

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- R                   - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).
- R                   (b) If the fault continues:  
R                   - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (11WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (11WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (11WL) pin C to the connector of the PROXIMITY SWITCH  
R 5WN1,  
R from EPSU (11WL) pin D to the connector of the PROXIMITY SWITCH  
R 19WV1,  
R from EPSU (11WL) pin S to the connector of the PROXIMITY SWITCH  
R 6WN1,  
R from EPSU (11WL) pin <K to the connector of the PROXIMITY  
R SWITCH 21WV1,  
R from EPSU (11WL) pin <Q to the connector(s) of the proximity  
R switches,  
R                   - if you find a short to ground in the wiring, replace the POWER  
R SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).
- R                   (c) If the fault continues:  
R                   - do the trouble shooting procedure EPSU - Internal Load Fault  
R Message (Ref. TSM TASK 33-51-00-810-807).
- R                   D. If the operational test gives the maintenance message  
EPSU EXT LOAD EMER R:  
- do the operational test of the emergency lights not with CIDS (Ref. AMM  
TASK 33-51-00-710-006).
- (1) If the green LED 'SYSTEM OK' comes on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-  
51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (2) If the red LED 'EXTERIOR LIGHTS FAULT' comes on, do the test of the  
right escape-hatch switches of the emergency-exit escape-slide  
lighting (Ref. AMM TASK 33-51-00-720-001).
- (a) If one or more lamps of the LIGHT-FWD EMER, OVERWING (60WL) and  
the LIGHT-AFT EMER, OVERWING (62WL) do not come on:  
- replace the lamp(s) (Ref. AMM TASK 33-51-15-000-001) and (Ref.  
AMM TASK 33-51-15-400-001).
- 1 If the fault continues:  
- replace the related LIGHT-FWD EMER, OVERWING (60WL) and/or  
LIGHT-AFT EMER, OVERWING (62WL) (Ref. AMM TASK 33-51-15-000-  
001) and (Ref. AMM TASK 33-51-15-400-001).

R   EFF :   245-275, 429-450, 701-749,

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- (b) If all lamps of the LIGHT-FWD EMER, OVERWING (60WL) and the LIGHT-AFT EMER, OVERWING (62WL) come on and a correct adapter cable between the escape slide and the aircraft electrical connector is available:
- remove the ESCAPE SLIDE OFFWING R (7505MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-42-000-001).
  - connect a serviceable escape slide with the adapter cable to the aircraft.
  - do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).
- 1 If the fault no longer exists:
- remove the old ESCAPE SLIDE OFFWING R (7505MM) fully (Ref. AMM TASK 25-62-42-000-001).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-42-400-001).
- 2 If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 7532VC pin A and EPSU (12WL) pin T,
    - escape slide connector 7532VC pin B and GND,
    - LIGHT-FWD EMER, OVERWING (60WL) connector A/B and EPSU (12WL) pin T,
    - LIGHT-FWD EMER, OVERWING (60WL) connector A/A and GND,
    - LIGHT-FWD EMER, OVERWING (60WL) connector A/C and GND,
    - LIGHT-AFT EMER, OVERWING (62WL) connector A/B and EPSU (12WL) pin F,
    - LIGHT-AFT EMER, OVERWING (62WL) connector A/A and GND,
    - LIGHT-AFT EMER, OVERWING (62WL) connector A/C and GND,
    - PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin E and EPSU (12WL) pin S,
    - PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin F and GND,
    - PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin E and EPSU (12WL) pin <K,
    - PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin F and GND,
    - PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) pin E and EPSU (12WL) pin C,
    - PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) pin F and GND,
    - PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) pin E and EPSU (12WL) pin D,
    - PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE OFFWING R (7505MM) (Ref. AMM TASK 25-62-42-400-001).
- 3 If the fault continues:
- replace the PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).

R EFF : 245-275, 429-450, 701-749,

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- 4 If the fault continues:
- replace the PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).
- 5 If the fault continues:
- replace the PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) (Ref. AMM TASK 52-73-11-000-003) and (Ref. AMM TASK 52-73-11-400-003).
- 6 If the fault continues:
- replace the PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).
- (c) If all lamps of the LIGHT-FWD EMER, OVERWING (60WL) and the LIGHT-AFT EMER, OVERWING (62WL) come on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:
- remove the ESCAPE SLIDE OFFWING R (7505MM) (Ref. AMM TASK 25-62-42-000-001).
  - connect a serviceable escape slide electrically only.
  - do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).
- 1 If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-42-400-001).
- 2 If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 7532VC pin A and EPSU (12WL) pin T,
    - escape slide connector 7532VC pin B and GND,
    - LIGHT-FWD EMER, OVERWING (60WL) connector A/B and EPSU (12WL) pin T,
    - LIGHT-FWD EMER, OVERWING (60WL) connector A/A and GND,
    - LIGHT-FWD EMER, OVERWING (60WL) connector A/C and GND,
    - LIGHT-AFT EMER, OVERWING (62WL) connector A/B and EPSU (12WL) pin F,
    - LIGHT-AFT EMER, OVERWING (62WL) connector A/A and GND,
    - LIGHT-AFT EMER, OVERWING (62WL) connector A/C and GND,
    - PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin E and EPSU (12WL) pin S,
    - PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin F and GND,
    - PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin E and EPSU (12WL) pin <K,
    - PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin F and GND,
    - PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) pin E and EPSU (12WL) pin C,
    - PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) pin F and GND,

R EFF : 245-275, 429-450, 701-749,

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PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) pin E and EPSU (12WL) pin D,

PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) pin F and GND (Ref. ASM 33-51/02) and (Ref. AMM 33-51-04).

- install the removed ESCAPE SLIDE OFFWING R (7505MM) again (Ref. AMM TASK 25-62-42-400-001).

3 If the fault continues:

- replace the PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).

4 If the fault continues:

- replace the PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).

5 If the fault continues:

- replace the PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) (Ref. AMM TASK 52-73-11-000-003) and (Ref. AMM TASK 52-73-11-400-003).

6 If the fault continues:

- replace the PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) (Ref. AMM TASK 52-71-13-000-001) and (Ref. AMM TASK 52-71-13-400-001).

R (3) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:

- R - replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R (a) If the fault continues:

- R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

R (b) If the fault continues:

- R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (12WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (12WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (12WL) pin C to the connector of the PROXIMITY SWITCH  
R 5WN2,  
R from EPSU (12WL) pin D to the connector of the PROXIMITY SWITCH  
R 19WV2,

R EFF : 245-275, 429-450, 701-749,

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R from EPSU (12WL) pin S to the connector of the PROXIMITY SWITCH  
R 6WN2,  
R from EPSU (12WL) pin <K to the connector of the PROXIMITY  
R SWITCH 21WV2,  
R from EPSU (12WL) pin <Q to the connector(s) of the proximity  
R switches,  
R - if you find a short to ground in the wiring, replace the POWER  
R SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).

R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - Internal Load Fault  
R Message (Ref. TSM TASK 33-51-00-810-807).

**\*\*ON A/C 276-284, 476-478,**

R E. If the operational test gives the maintenance message  
EPSU EXT LOAD MID L:  
- do the operational test of the emergency lights not with CIDS (Ref. AMM  
TASK 33-51-00-710-006).

(1) If the green LED 'OK EXTERNAL LOADS' comes on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK 33-  
51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(2) If the red LED 'FAULT EXTERNAL LOADS' comes on and a correct adapter  
cable between the escape slide and the aircraft electrical connector  
is available:

(a) Do the subsequent procedures:  
- remove the ESCAPE SLIDE FOR DOOR 2LH (7770MM) as necessary to  
get access to the electrical connector (Ref. AMM TASK 25-62-47-  
000-001).  
- connect a serviceable escape slide with the adapter cable to  
the aircraft.

(b) If the fault no longer exists:  
- remove the old ESCAPE SLIDE FOR DOOR 2LH (7770MM) fully (Ref.  
AMM TASK 25-62-47-000-001).  
- install a serviceable escape slide (Ref. AMM TASK 25-62-47-400-  
001).

(c) If the fault continues:  
- do a check and repair the wiring between:  
escape slide connector 1869VC pin A and EPSU (15WL) pin T,  
escape slide connector 1869VC pin B and GND,  
PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) E and EPSU  
(15WL) pin C,  
PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) F and GND,  
PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) E and EPSU (15WL)  
pin D,

R EFF : 245-284, 429-450, 476-478, 701-749,

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## **TROUBLE SHOOTING MANUAL**

PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

- install the old ESCAPE SLIDE FOR DOOR 2LH (7770MM) (Ref. AMM TASK 25-62-47-400-001).

(d) If the fault continues:

- replace the PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) (Ref. AMM TASK 52-73-11-000-003) and (Ref. AMM TASK 52-73-11-400-003).

(e) If the fault continues:

- replace the PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) (Ref. AMM TASK 52-71-13-000-002) and (Ref. AMM TASK 52-71-13-400-002).

(3) If the red LED 'FAULT EXTERNAL LOADS' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:

(a) Do the subsequent procedures:

- remove the ESCAPE SLIDE FOR DOOR 2LH (7770MM) (Ref. AMM TASK 25-62-47-000-001).
- connect a serviceable escape slide electrically only.

(b) If the fault no longer exists:

- install a serviceable escape slide (Ref. AMM TASK 25-62-47-400-001).

(c) If the fault continues:

- do a check and repair the wiring between:  
escape slide connector 1869VC pin A and EPSU (15WL) pin T,  
escape slide connector 1869VC pin B and GND,  
PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) E and EPSU (15WL) pin C,  
PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) F and GND,  
PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) E and EPSU (15WL) pin D,  
PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
- install the removed ESCAPE SLIDE FOR DOOR 2LH (7770MM) again (Ref. AMM TASK 25-62-47-400-001).

(d) If the fault continues:

- replace the PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) (Ref. AMM TASK 52-73-11-000-003) and (Ref. AMM TASK 52-73-11-400-003).

(e) If the fault continues:

- replace the PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) (Ref. AMM TASK 52-71-13-000-002) and (Ref. AMM TASK 52-71-13-400-002).

R EFF : 276-284, 476-478,

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- R (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:  
R - replace the POWER SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- R (a) If the fault continues:  
R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (15WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).
- R (b) If the fault continues:  
R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (15WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (15WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (15WL) pin C to the connector of the PROXIMITY SWITCH  
R 5WN1,  
R from EPSU (15WL) pin D to the connector of the PROXIMITY SWITCH  
R 19WV1,  
R from EPSU (15WL) pin <Q to the connector(s) of the proximity  
R switches,  
R - if you find a short to ground in the wiring, replace the POWER  
R SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).
- R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - Internal Load Fault  
R Message (Ref. TSM TASK 33-51-00-810-807).
- R F. If the operational test gives the maintenance message  
EPSU EXT LOAD MID R:  
- do the operational test of the emergency lights not with CIDS (Ref. AMM  
TASK 33-51-00-710-006).
- (1) If the green LED 'OK EXTERNAL LOADS' comes on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (14WL) (Ref. AMM TASK 33-  
51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (2) If the red LED 'FAULT EXTERNAL LOADS' comes on and a correct adapter  
cable between the escape slide and the aircraft electrical connector  
is available:
- (a) Do the subsequent procedures:  
- remove the ESCAPE SLIDE FOR DOOR 2RH (7771MM) as necessary to  
get access to the electrical connector (Ref. AMM TASK 25-62-47-  
000-001).

R EFF : 276-284, 476-478,

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- connect a serviceable escape slide with the adapter cable to the aircraft.
- (b) If the fault no longer exists:
- remove the old ESCAPE SLIDE FOR DOOR 2RH (7771MM) fully (Ref. AMM TASK 25-62-47-000-001).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-47-400-001).
- (c) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 1870VC pin A and EPSU (14WL) pin T,
    - escape slide connector 1870VC pin B and GND,
    - PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) pin E and EPSU (14WL) pin S,
    - PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) pin F and GND,
    - PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) pin E and EPSU (14WL) pin <K,
    - PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) pin F and GND (Ref. ASM 33-51/02) and (Ref. AMM 33-51-04).
  - install the old ESCAPE SLIDE FOR DOOR 2RH (7771MM) (Ref. AMM TASK 25-62-47-400-001).
- (d) If the fault continues:
- replace the PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) (Ref. AMM TASK 52-73-11-000-003) and (Ref. AMM TASK 52-73-11-400-003).
- (e) If the fault continues:
- replace the PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) (Ref. AMM TASK 52-71-13-000-002) and (Ref. AMM TASK 52-71-13-400-002).
- (3) If the red LED 'FAULT EXTERNAL LOADS' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:
- (a) Do the subsequent procedures:
- remove the ESCAPE SLIDE FOR DOOR 2RH (7771MM) (Ref. AMM TASK 25-62-47-000-001).
  - connect a serviceable escape slide electrically only.
- (b) If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-47-400-001).
- (c) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 1870VC pin A and EPSU (14WL) pin T,
    - escape slide connector 1870VC pin B and GND,
    - PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) pin E and EPSU (14WL) pin S,

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# **A319/A320/A321**

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PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) pin F and GND,  
PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) pin E and EPSU  
(14WL) pin <K,

PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AMM 33-51-04).

- install the removed ESCAPE SLIDE FOR DOOR 2RH (7771MM) again  
(Ref. AMM TASK 25-62-47-400-001).

(d) If the fault continues:

- replace the PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2)  
(Ref. AMM TASK 52-73-11-000-003) and (Ref. AMM TASK 52-73-11-  
400-003).

(e) If the fault continues:

- replace the PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) (Ref.  
AMM TASK 52-71-13-000-002) and (Ref. AMM TASK 52-71-13-400-  
002).

R (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:

- R - replace the POWER SUPPLY UNIT-EMERGENCY (14WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R (a) If the fault continues:

- R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (14WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

R (b) If the fault continues:

- R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (14WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (14WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (14WL) pin S to the connector of the PROXIMITY SWITCH  
R 5WN2,  
R from EPSU (14WL) pin <K to the connector of the PROXIMITY  
R SWITCH 19WV2,  
R from EPSU (14WL) pin <Q to the connector(s) of the proximity  
R switches,  
R - if you find a short to ground in the wiring, replace the POWER  
R SUPPLY UNIT-EMERGENCY (14WL) (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).

R (c) If the fault continues:

- R - do the trouble shooting procedure EPSU - Internal Load Fault  
R Message (Ref. TSM TASK 33-51-00-810-807).

R EFF : 276-284, 476-478,

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- R G. If the operational test gives the maintenance message  
EPSU EXT LOAD EXIT L:  
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).
- (1) If the green LED 'OK EXTERNAL LOADS' comes on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (2) If the red LED 'FAULT EXTERNAL LOADS' comes on and a correct adapter cable between the escape slide and the aircraft electrical connector is available:
- (a) Do the subsequent procedures:  
- remove the ESCAPE SLIDE FOR DOOR 3LH (7772MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-47-000-001).  
- connect a serviceable escape slide with the adapter cable to the aircraft.
- (b) If the fault no longer exists:  
- remove the old ESCAPE SLIDE FOR DOOR 3LH (7772MM) fully (Ref. AMM TASK 25-62-47-000-001).  
- install a serviceable escape slide (Ref. AMM TASK 25-62-47-400-001).
- (c) If the fault continues:  
- do a check and repair the wiring between:  
escape slide connector 6713VC pin A and EPSU (11WL) pin T,  
escape slide connector 6713VC pin B and GND,  
PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin E and EPSU (11WL) pin S,  
PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin F and GND,  
PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin E and EPSU (11WL) pin <K,  
PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin F and GND (Ref. ASM 33-51/02) and (Ref. AMM 33-51-04).  
- install the old ESCAPE SLIDE FOR DOOR 3LH (7772MM) (Ref. AMM TASK 25-62-47-400-001).
- (d) If the fault continues:  
- replace the PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).
- (e) If the fault continues:  
- replace the PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) (Ref. AMM TASK 52-71-13-000-002) and (Ref. AMM TASK 52-71-13-400-002).

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(3) If the red LED 'FAULT EXTERNAL LOADS' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:

(a) Do the subsequent procedures:

- remove the ESCAPE SLIDE FOR DOOR 3LH (7772MM) (Ref. AMM TASK 25-62-47-000-001).
- connect a serviceable escape slide electrically only.

(b) If the fault no longer exists:

- install a serviceable escape slide (Ref. AMM TASK 25-62-47-400-001).

(c) If the fault continues:

- do a check and repair the wiring between:  
escape slide connector 6713VC pin A and EPSU (11WL) pin T,  
escape slide connector 6713VC pin B and GND,  
PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin E and EPSU (11WL) pin S,  
PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin F and GND,  
PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin E and EPSU (11WL) pin <K,  
PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
- install the removed ESCAPE SLIDE FOR DOOR 3LH (7772MM) again (Ref. AMM TASK 25-62-47-400-001).

(d) If the fault continues:

- replace the PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).

(e) If the fault continues:

- replace the PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) (Ref. AMM TASK 52-71-13-000-002) and (Ref. AMM TASK 52-71-13-400-002).

R (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:

- R - replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R (a) If the fault continues:

- R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

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R (b) If the fault continues:  
R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (11WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (11WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (11WL) pin S to the connector of the PROXIMITY SWITCH  
R 6WN1,  
R from EPSU (11WL) pin <K to the connector of the PROXIMITY  
R SWITCH 21WV1,  
R from EPSU (11WL) pin <Q to the connector(s) of the proximity  
R switches,  
R - if you find a short to ground in the wiring, replace the POWER  
R SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).

R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - Internal Load Fault  
R Message (Ref. TSM TASK 33-51-00-810-807).

R H. If the operational test gives the maintenance message  
EPSU EXT LOAD EXIT R:  
- do the operational test of the emergency lights not with CIDS (Ref. AMM  
TASK 33-51-00-710-006).

(1) If the green LED 'OK EXTERNAL LOADS' comes on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-  
51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(2) If the red LED 'FAULT EXTERNAL LOADS' comes on and a correct adapter  
cable between the escape slide and the aircraft electrical connector  
is available:

(a) Do the subsequent procedures:  
- remove the ESCAPE SLIDE FOR DOOR 3RH (7773MM) as necessary to  
get access to the electrical connector (Ref. AMM TASK 25-62-47-  
000-001).  
- connect a serviceable escape slide with the adapter cable to  
the aircraft.

(b) If the fault no longer exists:  
- remove the old ESCAPE SLIDE FOR DOOR 3RH (7773MM) fully (Ref.  
AMM TASK 25-62-47-000-001).  
- install a serviceable escape slide (Ref. AMM TASK 25-62-47-400-  
001).

(c) If the fault continues:  
- do a check and repair the wiring between:  
escape slide connector 6712VC pin A and EPSU (12WL) pin T,  
escape slide connector 6712VC pin B and GND,

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- PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin E and EPSU (12WL) pin S,  
PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin F and GND,  
PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin E and EPSU (12WL) pin <K,  
PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
- install the old ESCAPE SLIDE FOR DOOR 3RH (7773MM) (Ref. AMM TASK 25-62-47-400-001).
- (d) If the fault continues:
- replace the PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).
- (e) If the fault continues:
- replace the PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) (Ref. AMM TASK 52-71-13-000-002) and (Ref. AMM TASK 52-71-13-400-002).
- (3) If the red LED 'FAULT EXTERNAL LOADS' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:
- (a) Do the subsequent procedures:
- remove the ESCAPE SLIDE FOR DOOR 3RH (7773MM) (Ref. AMM TASK 25-62-47-000-001).
  - connect a serviceable escape slide electrically only.
- (b) If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-47-400-001).
- (c) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 6712VC pin A and EPSU (12WL) pin T,  
escape slide connector 6712VC pin B and GND,  
PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin E and EPSU (12WL) pin S,  
PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin F and GND,  
PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin E and EPSU (12WL) pin <K,  
PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
  - install the removed ESCAPE SLIDE FOR DOOR 3RH (7773MM) again (Ref. AMM TASK 25-62-47-400-001).
- (d) If the fault continues:
- replace the PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).

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(e) If the fault continues:

- replace the PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) (Ref. AMM TASK 52-71-13-000-002) and (Ref. AMM TASK 52-71-13-400-002).

R (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:

- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R (a) If the fault continues:

- check all connected exterior lights and proximity switches for a short-circuit and replace if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04),
- if you find one or more defective exterior lights or proximity switches, replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

R (b) If the fault continues:

- do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
from EPSU (12WL) pin F to the connector(s) of the related signs and lights,  
from EPSU (12WL) pin T to the connector(s) of the related signs and lights,  
from EPSU (12WL) pin S to the connector of the PROXIMITY SWITCH 6WN2,  
from EPSU (12WL) pin <K to the connector of the PROXIMITY SWITCH 21WV2,  
from EPSU (12WL) pin <Q to the connector(s) of the proximity switches,
- if you find a short to ground in the wiring, replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R (c) If the fault continues:

- do the trouble shooting procedure EPSU - Internal Load Fault Message (Ref. TSM TASK 33-51-00-810-807).

**\*\*ON A/C 285-299, 479-499, 503-549,**

R E. If the operational test gives the maintenance message  
EPSU EXT LOAD MID L:

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

(1) If the green LED 'SYSTEM OK' comes on:

- replace the POWER SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

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(2) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and a correct adapter cable between the escape slide and the aircraft electrical connector is available:

(a) Do the subsequent procedures:

- remove the ESCAPE SLIDE FOR DOOR 2LH (7770MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-47-000-001).
- connect a serviceable escape slide with the adapter cable to the aircraft.

(b) If the fault no longer exists:

- remove the old ESCAPE SLIDE FOR DOOR 2LH (7770MM) fully (Ref. AMM TASK 25-62-47-000-001).
- install a serviceable escape slide (Ref. AMM TASK 25-62-47-400-001).

(c) If the fault continues:

- do a check and repair the wiring between:  
escape slide connector 1869VC pin A and EPSU (15WL) pin T,  
escape slide connector 1869VC pin B and GND,  
PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) E and EPSU (15WL) pin C,  
PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) F and GND,  
PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) E and EPSU (15WL) pin D,  
PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
- install the old ESCAPE SLIDE FOR DOOR 2LH (7770MM) (Ref. AMM TASK 25-62-47-400-001).

(d) If the fault continues:

- replace the PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) (Ref. AMM TASK 52-73-11-000-003) and (Ref. AMM TASK 52-73-11-400-003).

(e) If the fault continues:

- replace the PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) (Ref. AMM TASK 52-71-13-000-002) and (Ref. AMM TASK 52-71-13-400-002).

(3) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:

(a) Do the subsequent procedures:

- remove the ESCAPE SLIDE FOR DOOR 2LH (7770MM) (Ref. AMM TASK 25-62-47-000-001).
- connect a serviceable escape slide electrically only.

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- (b) If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-47-400-001).
- (c) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 1869VC pin A and EPSU (15WL) pin T,
    - escape slide connector 1869VC pin B and GND,
    - PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) E and EPSU (15WL) pin C,
    - PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) F and GND,
    - PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) E and EPSU (15WL) pin D,
    - PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
  - install the removed ESCAPE SLIDE FOR DOOR 2LH (7770MM) again (Ref. AMM TASK 25-62-47-400-001).
- (d) If the fault continues:
- replace the PROX SW-HANDLE, L FWD EMER EXIT ESC SLIDE (5WN1) (Ref. AMM TASK 52-73-11-000-003) and (Ref. AMM TASK 52-73-11-400-003).
- (e) If the fault continues:
- replace the PROX SW-HANDLE FLAP, L FWD EMER EXIT (19WV1) (Ref. AMM TASK 52-71-13-000-002) and (Ref. AMM TASK 52-71-13-400-002).

- R (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:  
R - replace the POWER SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (a) If the fault continues:  
R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (15WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

- R (b) If the fault continues:  
R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (15WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (15WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (15WL) pin C to the connector of the PROXIMITY SWITCH  
R 5WN1,  
R from EPSU (15WL) pin D to the connector of the PROXIMITY SWITCH  
R 19WV1,

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- R from EPSU (15WL) pin <Q to the connector(s) of the proximity  
R switches,  
R - if you find a short to ground in the wiring, replace the POWER  
R SUPPLY UNIT-EMERGENCY (15WL) (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).
- R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - Internal Load Fault  
R Message (Ref. TSM TASK 33-51-00-810-807).
- R F. If the operational test gives the maintenance message  
EPSU EXT LOAD MID R:  
- do the operational test of the emergency lights not with CIDS (Ref. AMM  
TASK 33-51-00-710-006).
- (1) If the green LED 'SYSTEM OK' comes on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (14WL) (Ref. AMM TASK 33-  
51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (2) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and a correct adapter  
cable between the escape slide and the aircraft electrical connector  
is available:
- (a) Do the subsequent procedures:  
- remove the ESCAPE SLIDE FOR DOOR 2RH (7771MM) as necessary to  
get access to the electrical connector (Ref. AMM TASK 25-62-47-  
000-001).  
- connect a serviceable escape slide with the adapter cable to  
the aircraft.
- (b) If the fault no longer exists:  
- remove the old ESCAPE SLIDE FOR DOOR 2RH (7771MM) fully (Ref.  
AMM TASK 25-62-47-000-001).  
- install a serviceable escape slide (Ref. AMM TASK 25-62-47-400-  
001).
- (c) If the fault continues:  
- do a check and repair the wiring between:  
escape slide connector 1870VC pin A and EPSU (14WL) pin T,  
escape slide connector 1870VC pin B and GND,  
PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) pin E and EPSU  
(14WL) pin S,  
PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) pin F and GND,  
PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) pin E and EPSU  
(14WL) pin <K,  
PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AMM 33-51-04).  
- install the old ESCAPE SLIDE FOR DOOR 2RH (7771MM) (Ref. AMM  
TASK 25-62-47-400-001).

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- (d) If the fault continues:
- replace the PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) (Ref. AMM TASK 52-73-11-000-003) and (Ref. AMM TASK 52-73-11-400-003).
- (e) If the fault continues:
- replace the PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) (Ref. AMM TASK 52-71-13-000-002) and (Ref. AMM TASK 52-71-13-400-002).
- (3) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:
- (a) Do the subsequent procedures:
- remove the ESCAPE SLIDE FOR DOOR 2RH (7771MM) (Ref. AMM TASK 25-62-47-000-001).
  - connect a serviceable escape slide electrically only.
- (b) If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-47-400-001).
- (c) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 1870VC pin A and EPSU (14WL) pin T,
    - escape slide connector 1870VC pin B and GND,
    - PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) pin E and EPSU (14WL) pin S,
    - PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) pin F and GND,
    - PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) pin E and EPSU (14WL) pin <K,
    - PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
  - install the removed ESCAPE SLIDE FOR DOOR 2RH (7771MM) again (Ref. AMM TASK 25-62-47-400-001).
- (d) If the fault continues:
- replace the PROX SW-HANDLE, R FWD EMER EXIT ESC SLIDE (5WN2) (Ref. AMM TASK 52-73-11-000-003) and (Ref. AMM TASK 52-73-11-400-003).
- (e) If the fault continues:
- replace the PROX SW-HANDLE FLAP, R FWD EMER EXIT (19WV2) (Ref. AMM TASK 52-71-13-000-002) and (Ref. AMM TASK 52-71-13-400-002).
- R (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:  
R - replace the POWER SUPPLY UNIT-EMERGENCY (14WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

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- R (a) If the fault continues:  
R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the **POWER SUPPLY UNIT-EMERGENCY (14WL)** (Ref.  
R **AMM TASK 33-51-38-000-001**) (Ref. **AMM TASK 33-51-38-400-001**).
- R (b) If the fault continues:  
R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (14WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (14WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (14WL) pin S to the connector of the **PROXIMITY SWITCH**  
R **5WN2**,  
R from EPSU (14WL) pin <K to the connector of the **PROXIMITY**  
R **SWITCH 19WV2**,  
R from EPSU (14WL) pin <Q to the connector(s) of the proximity  
R switches,  
R - if you find a short to ground in the wiring, replace the **POWER**  
R **SUPPLY UNIT-EMERGENCY (14WL)** (Ref. **AMM TASK 33-51-38-000-001**)  
R and (Ref. **AMM TASK 33-51-38-400-001**).
- R (c) If the fault continues:  
R - do the trouble shooting procedure **EPSU - Internal Load Fault**  
R **Message** (Ref. **TSM TASK 33-51-00-810-807**).
- R G. If the operational test gives the maintenance message  
**EPSU EXT LOAD EXIT L**:  
- do the operational test of the emergency lights not with **CIDS** (Ref. **AMM**  
**TASK 33-51-00-710-006**).
- (1) If the green LED '**SYSTEM OK**' comes on:  
- replace the **POWER SUPPLY UNIT-EMERGENCY (11WL)** (Ref. **AMM TASK 33-**  
**51-38-000-001**) and (Ref. **AMM TASK 33-51-38-400-001**).
- (2) If the red LED '**EXTERIOR LIGHTS FAULT**' comes on and a correct adapter  
cable between the escape slide and the aircraft electrical connector  
is available:
- (a) Do the subsequent procedures:  
- remove the **ESCAPE SLIDE FOR DOOR 3LH (7772MM)** as necessary to  
get access to the electrical connector (Ref. **AMM TASK 25-62-47-**  
**000-001**).  
- connect a serviceable escape slide with the adapter cable to  
the aircraft.

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- (b) If the fault no longer exists:
- remove the old ESCAPE SLIDE FOR DOOR 3LH (7772MM) fully (Ref. AMM TASK 25-62-47-000-001).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-47-400-001).
- (c) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 6713VC pin A and EPSU (11WL) pin T,  
escape slide connector 6713VC pin B and GND,  
PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin E and EPSU (11WL) pin S,  
PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin F and GND,  
PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin E and EPSU (11WL) pin <K,  
PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE FOR DOOR 3LH (7772MM) (Ref. AMM TASK 25-62-47-400-001).
- (d) If the fault continues:
- replace the PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).
- (e) If the fault continues:
- replace the PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) (Ref. AMM TASK 52-71-13-000-002) and (Ref. AMM TASK 52-71-13-400-002).
- (3) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:
- (a) Do the subsequent procedures:
- remove the ESCAPE SLIDE FOR DOOR 3LH (7772MM) (Ref. AMM TASK 25-62-47-000-001).
  - connect a serviceable escape slide electrically only.
- (b) If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-47-400-001).
- (c) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 6713VC pin A and EPSU (11WL) pin T,  
escape slide connector 6713VC pin B and GND,  
PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin E and EPSU (11WL) pin S,  
PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1) pin F and GND,  
PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin E and EPSU (11WL) pin <K,

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PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

- install the removed ESCAPE SLIDE FOR DOOR 3LH (7772MM) again  
(Ref. AMM TASK 25-62-47-400-001).

(d) If the fault continues:

- replace the PROX SW-HANDLE, L AFT EMER EXIT ESC SLIDE (6WN1)  
(Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-  
400-004).

(e) If the fault continues:

- replace the PROX SW-HANDLE FLAP, L AFT EMER EXIT (21WV1) (Ref.  
AMM TASK 52-71-13-000-002) and (Ref. AMM TASK 52-71-13-400-  
002).

(4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
LIGHTS FAULT' flash:

- replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-  
51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(a) If the fault continues:

- check all connected exterior lights and proximity switches for a  
short-circuit and replace if necessary (Ref. ASM 33-51/01)  
and (Ref. ASM 33-51/04),  
- if you find one or more defective exterior lights or proximity  
switches, replace the POWER SUPPLY UNIT-EMERGENCY (11WL) (Ref.  
AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

(b) If the fault continues:

- do a check for a short to ground and repair the wiring if  
necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
from EPSU (11WL) pin F to the connector(s) of the related signs  
and lights,  
from EPSU (11WL) pin T to the connector(s) of the related signs  
and lights,  
from EPSU (11WL) pin S to the connector of the PROXIMITY SWITCH  
6WN1,  
from EPSU (11WL) pin <K to the connector of the PROXIMITY  
SWITCH 21WV1,  
from EPSU (11WL) pin <Q to the connector(s) of the proximity  
switches,  
- if you find a short to ground in the wiring, replace the POWER  
SUPPLY UNIT-EMERGENCY (11WL) (Ref. AMM TASK 33-51-38-000-001)  
and (Ref. AMM TASK 33-51-38-400-001).

(c) If the fault continues:

- do the trouble shooting procedure EPSU - Internal Load Fault  
Message (Ref. TSM TASK 33-51-00-810-807).

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- R H. If the operational test gives the maintenance message  
EPSU EXT LOAD EXIT R:  
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).
- (1) If the green LED 'SYSTEM OK' comes on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (2) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and a correct adapter cable between the escape slide and the aircraft electrical connector is available:
- (a) Do the subsequent procedures:  
- remove the ESCAPE SLIDE FOR DOOR 3RH (7773MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-47-000-001).  
- connect a serviceable escape slide with the adapter cable to the aircraft.
- (b) If the fault no longer exists:  
- remove the old ESCAPE SLIDE FOR DOOR 3RH (7773MM) fully (Ref. AMM TASK 25-62-47-000-001).  
- install a serviceable escape slide (Ref. AMM TASK 25-62-47-400-001).
- (c) If the fault continues:  
- do a check and repair the wiring between:  
escape slide connector 6712VC pin A and EPSU (12WL) pin T,  
escape slide connector 6712VC pin B and GND,  
PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin E and EPSU (12WL) pin S,  
PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin F and GND,  
PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin E and EPSU (12WL) pin <K,  
PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin F and GND (Ref. ASM 33-51/02) and (Ref. AMM 33-51-04).  
- install the old ESCAPE SLIDE FOR DOOR 3RH (7773MM) (Ref. AMM TASK 25-62-47-400-001).
- (d) If the fault continues:  
- replace the PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).
- (e) If the fault continues:  
- replace the PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) (Ref. AMM TASK 52-71-13-000-002) and (Ref. AMM TASK 52-71-13-400-002).

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- (3) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:
- (a) Do the subsequent procedures:
    - remove the ESCAPE SLIDE FOR DOOR 3RH (7773MM) (Ref. AMM TASK 25-62-47-000-001).
    - connect a serviceable escape slide electrically only.
  - (b) If the fault no longer exists:
    - install a serviceable escape slide (Ref. AMM TASK 25-62-47-400-001).
  - (c) If the fault continues:
    - do a check and repair the wiring between:
      - escape slide connector 6712VC pin A and EPSU (12WL) pin T,
      - escape slide connector 6712VC pin B and GND,
      - PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin E and EPSU (12WL) pin S,
      - PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) pin F and GND,
      - PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin E and EPSU (12WL) pin <K,
      - PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
    - install the removed ESCAPE SLIDE FOR DOOR 3RH (7773MM) again (Ref. AMM TASK 25-62-47-400-001).
  - (d) If the fault continues:
    - replace the PROX SW-HANDLE, R AFT EMER EXIT ESC SLIDE (6WN2) (Ref. AMM TASK 52-73-11-000-004) and (Ref. AMM TASK 52-73-11-400-004).
  - (e) If the fault continues:
    - replace the PROX SW-HANDLE FLAP, R AFT EMER EXIT (21WV2) (Ref. AMM TASK 52-71-13-000-002) and (Ref. AMM TASK 52-71-13-400-002).
- R (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:  
R - replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- R (a) If the fault continues:  
R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

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(b) If the fault continues:

- do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
from EPSU (12WL) pin F to the connector(s) of the related signs and lights,  
from EPSU (12WL) pin T to the connector(s) of the related signs and lights,  
from EPSU (12WL) pin S to the connector of the PROXIMITY SWITCH 6WN2,  
from EPSU (12WL) pin <K to the connector of the PROXIMITY SWITCH 21WV2,  
from EPSU (12WL) pin <Q to the connector(s) of the proximity switches,
- if you find a short to ground in the wiring, replace the POWER SUPPLY UNIT-EMERGENCY (12WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(c) If the fault continues:

- do the trouble shooting procedure EPSU - Internal Load Fault Message (Ref. TSM TASK 33-51-00-810-807).

R \*\*ON A/C 201-204, 206-208, 227-227, 229-244, 426-428,

J. If the operational test gives the maintenance message

EPSU EXT LOAD AFT L:

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

(1) If the green LED 'OK EXTERNAL LOADS' comes on:

- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(2) If the red LED 'FAULT EXTERNAL LOADS' comes on and a correct adapter cable between the escape slide and the aircraft electrical connector is available:

**NOTE** : A fault in one of the two aft escape slides can cause the LED to come on.

(a) Do the subsequent procedures:

- remove the ESCAPE SLIDE AFT L (7502MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-002).
- connect a serviceable escape slide with the adapter cable to the aircraft.

(b) If the fault no longer exists:

- remove the old ESCAPE SLIDE AFT L (7502MM) fully (Ref. AMM TASK 25-62-44-000-002).
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).

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285-299, 426-428, 479-499, 503-549,

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- (c) If the fault continues:
- connect the ESCAPE SLIDE AFT L (7502MM) electrically only.
  - remove the ESCAPE SLIDE AFT R (7503MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-002).
  - connect a serviceable escape slide with the adapter cable to the aircraft.
- (d) If the fault no longer exists:
- remove the old ESCAPE SLIDE AFT R (7503MM) fully (Ref. AMM TASK 25-62-44-000-002).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
- (e) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2872VC pin A and EPSU (13WL) pin F,
    - escape slide connector 2872VC pin B and GND,
    - PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin E and EPSU (13WL) pin S,
    - PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin F and GND,
    - PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin E and EPSU (13WL) pin <K,
    - PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
- (f) If the fault no longer exists:
- install the old ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
- (g) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2873VC pin A and EPSU (13WL) pin T,
    - escape slide connector 2873VC pin B and GND,
    - PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin E and EPSU (13WL) pin C,
    - PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin F and GND,
    - PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin E and EPSU (13WL) pin D,
    - PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-400-006).

- (h) If the fault continues:
    - replace the PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).
  - (i) If the fault continues:
    - replace the PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
  - (j) If the fault continues:
    - replace the PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).
  - (k) If the fault continues:
    - replace the PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (3) If the red LED 'FAULT EXTERNAL LOADS' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:
- NOTE** : A fault in one of the two aft escape slides can cause the LED to come on.
- (a) Do the subsequent procedures:
    - remove the ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-000-002).
    - connect a serviceable escape slide electrically only.
  - (b) If the fault no longer exists:
    - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
  - (c) If the fault continues:
    - connect the removed ESCAPE SLIDE AFT L (7502MM) electrically only.
    - remove the ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-000-002).
    - connect a serviceable escape slide electrically only.
  - (d) If the fault no longer exists:
    - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
    - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
  - (e) If the fault continues:
    - do a check and repair the wiring between:
      - escape slide connector 2872VC pin A and EPSU (13WL) pin F,
      - escape slide connector 2872VC pin B and GND,

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PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin E and EPSU (13WL) pin S,  
PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin F and GND,  
PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin E and EPSU (13WL) pin <K,  
PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

- (f) If the fault no longer exists:
- install the removed ESCAPE SLIDE AFT R (7503MM) again (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
- (g) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 2873VC pin A and EPSU (13WL) pin T,  
escape slide connector 2873VC pin B and GND,  
PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin E and EPSU (13WL) pin C,  
PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin F and GND,  
PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin E and EPSU (13WL) pin D,  
PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the removed ESCAPE SLIDE AFT R (7503MM) again (Ref. AMM TASK 25-62-44-400-006).
- (h) If the fault continues:
- replace the PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).
- (i) If the fault continues:
- replace the PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (j) If the fault continues:
- replace the PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).
- (k) If the fault continues:
- replace the PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR LIGHTS FAULT' flash:
- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).



- (a) If the fault continues:
- check all connected exterior lights and proximity switches for a short-circuit and replace if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04),
  - if you find one or more defective exterior lights or proximity switches, replace the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).
- (b) If the fault continues:
- do a check for a short to ground and repair the wiring if necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):
    - from EPSU (13WL) pin F to the connector(s) of the related signs and lights,
    - from EPSU (13WL) pin T to the connector(s) of the related signs and lights,
    - from EPSU (13WL) pin C to the connector of the **PROXIMITY SWITCH 7WN1**,
    - from EPSU (13WL) pin D to the connector of the **PROXIMITY SWITCH 17WV1**,
    - from EPSU (13WL) pin S to the connector of the **PROXIMITY SWITCH 7WN2**,
    - from EPSU (13WL) pin <K to the connector of the **PROXIMITY SWITCH 17WV2**,
    - from EPSU (13WL) pin <Q to the connector(s) of the proximity switches,
  - if you find a short to ground in the wiring, replace the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (c) If the fault continues:
- do the trouble shooting procedure **EPSU - Internal Load Fault Message** (Ref. TSM TASK 33-51-00-810-807).

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

**J. If the operational test gives the maintenance message**

**EPSU EXT LOAD AFT L:**

- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

**(1) If the green LED 'OK EXTERNAL LOADS' comes on:**

- replace the **POWER SUPPLY UNIT-EMERGENCY (13WL)** (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

**(2) If the red LED 'FAULT EXTERNAL LOADS' comes on and a correct adapter cable between the escape slide and the aircraft electrical connector is available:**

**NOTE :** A fault in one of the two aft escape slides can cause the LED to come on.

R EFF : 201-208, 227-227, 229-244, 426-428,

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- (a) Do the subsequent procedures:
  - remove the ESCAPE SLIDE AFT L (7502MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-012).
  - connect a serviceable escape slide with the adapter cable to the aircraft.
- (b) If the fault no longer exists:
  - remove the old ESCAPE SLIDE AFT L (7502MM) fully (Ref. AMM TASK 25-62-44-000-012).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-007).
- (c) If the fault continues:
  - connect the ESCAPE SLIDE AFT L (7502MM) electrically only.
  - remove the ESCAPE SLIDE AFT R (7503MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-012).
  - connect a serviceable escape slide with the adapter cable to the aircraft.
- (d) If the fault no longer exists:
  - remove the old ESCAPE SLIDE AFT R (7503MM) fully (Ref. AMM TASK 25-62-44-000-012).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-007).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-007).
- (e) If the fault continues:
  - do a check and repair the wiring between:
    - escape slide connector 2872VC pin A and EPSU (13WL) pin F,
    - escape slide connector 2872VC pin B and GND,
    - PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin E and EPSU (13WL) pin S,
    - PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin F and GND,
    - PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin E and EPSU (13WL) pin <K,
    - PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin F and GND(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
- (f) If the fault no longer exists:
  - install the old ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-400-007).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-007).
- (g) If the fault continues:
  - do a check and repair the wiring between:
    - escape slide connector 2873VC pin A and EPSU (13WL) pin T,
    - escape slide connector 2873VC pin B and GND,

R EFF : 205-205,

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# **A319/A320/A321**

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PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin E and EPSU (13WL) pin C,

PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin F and GND,

PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin E and EPSU (13WL) pin D,

PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

- install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-007).
- install the old ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-400-007).

(h) If the fault continues:

- replace the PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).

(i) If the fault continues:

- replace the PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

(j) If the fault continues:

- replace the PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).

(k) If the fault continues:

- replace the PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

(3) If the red LED 'FAULT EXTERNAL LOADS' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:

**NOTE** : A fault in one of the two aft escape slides can cause the LED to come on.

(a) Do the subsequent procedures:

- remove the ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-000-012).
- connect a serviceable escape slide electrically only.

(b) If the fault no longer exists:

- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-007).

(c) If the fault continues:

- connect the removed ESCAPE SLIDE AFT L (7502MM) electrically only.
- remove the ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-000-012).
- connect a serviceable escape slide electrically only.

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- (d) If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-007).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-007).
- (e) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2872VC pin A and EPSU (13WL) pin F,
    - escape slide connector 2872VC pin B and GND,
    - PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin E and EPSU (13WL) pin S,
    - PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin F and GND,
    - PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin E and EPSU (13WL) pin <K,
    - PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
- (f) If the fault no longer exists:
- install the removed ESCAPE SLIDE AFT R (7503MM) again (Ref. AMM TASK 25-62-44-400-007).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-007).
- (g) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2873VC pin A and EPSU (13WL) pin T,
    - escape slide connector 2873VC pin B and GND,
    - PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin E and EPSU (13WL) pin C,
    - PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin F and GND,
    - PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin E and EPSU (13WL) pin D,
    - PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-007).
  - install the removed ESCAPE SLIDE AFT R (7503MM) again (Ref. AMM TASK 25-62-44-400-007).
- (h) If the fault continues:
- replace the PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).
- (i) If the fault continues:
- replace the PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (j) If the fault continues:
- replace the PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).

R EFF : 205-205,

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- (k) If the fault continues:
- replace the PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

- R (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:  
R - replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (a) If the fault continues:  
R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

- R (b) If the fault continues:  
R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (13WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (13WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (13WL) pin C to the connector of the PROXIMITY SWITCH  
R 7WN1,  
R from EPSU (13WL) pin D to the connector of the PROXIMITY SWITCH  
R 17WV1,  
R from EPSU (13WL) pin S to the connector of the PROXIMITY SWITCH  
R 7WN2,  
R from EPSU (13WL) pin <K to the connector of the PROXIMITY  
R SWITCH 17WV2,  
R from EPSU (13WL) pin <Q to the connector(s) of the proximity  
R switches,  
R - if you find a short to ground in the wiring, replace the POWER  
R SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).

- R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - Internal Load Fault  
R Message (Ref. TSM TASK 33-51-00-810-807).

R \*\*ON A/C 209-225, 247-275, 429-475, 551-599, 701-749,

- R J. If the operational test gives the maintenance message  
R EPSU EXT LOAD AFT L:  
R - do the operational test of the emergency lights not with CIDS (Ref. AMM  
R TASK 33-51-00-710-006).

R EFF : 205-205, 209-225, 247-275, 429-475,  
551-599, 701-749,

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- (1) If the green LED 'SYSTEM OK' comes on:
- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (2) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and a correct adapter cable between the escape slide and the aircraft electrical connector is available:

**NOTE** : A fault in one of the two aft escape slides can cause the LED to come on.

- (a) Do the subsequent procedures:
- remove the ESCAPE SLIDE AFT L (7502MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-002).
  - connect a serviceable escape slide with the adapter cable to the aircraft.
- (b) If the fault no longer exists:
- remove the old ESCAPE SLIDE AFT L (7502MM) fully (Ref. AMM TASK 25-62-44-000-002).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
- (c) If the fault continues:
- connect the ESCAPE SLIDE AFT L (7502MM) electrically only.
  - remove the ESCAPE SLIDE AFT R (7503MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-002).
  - connect a serviceable escape slide with the adapter cable to the aircraft.
- (d) If the fault no longer exists:
- remove the old ESCAPE SLIDE AFT R (7503MM) fully (Ref. AMM TASK 25-62-44-000-002).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
- (e) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2872VC pin A and EPSU (13WL) pin F,
    - escape slide connector 2872VC pin B and GND,
    - PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin E and EPSU (13WL) pin S,
    - PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin F and GND,
    - PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin E and EPSU (13WL) pin <K,
    - PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin F and GND
- (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

R EFF : 209-225, 247-275, 429-475, 551-599,  
701-749,

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- (f) If the fault no longer exists:
- install the old ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
- (g) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 2873VC pin A and EPSU (13WL) pin T,  
escape slide connector 2873VC pin B and GND,  
PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin E and EPSU (13WL) pin C,  
PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin F and GND,  
PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin E and EPSU (13WL) pin D,  
PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-400-006).
- (h) If the fault continues:
- replace the PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).
- (i) If the fault continues:
- replace the PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (j) If the fault continues:
- replace the PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).
- (k) If the fault continues:
- replace the PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (3) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:
- NOTE** : A fault in one of the two aft escape slides can cause the LED to come on.
- (a) Do the subsequent procedures:
- remove the ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-000-002).
  - connect a serviceable escape slide electrically only.

- (b) If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
- (c) If the fault continues:
- connect the removed ESCAPE SLIDE AFT L (7502MM) electrically only.
  - remove the ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-000-002).
  - connect a serviceable escape slide electrically only.
- (d) If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
- (e) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2872VC pin A and EPSU (13WL) pin F,
    - escape slide connector 2872VC pin B and GND,
    - PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin E and EPSU (13WL) pin S,
    - PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin F and GND,
    - PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin E and EPSU (13WL) pin <K,
    - PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
- (f) If the fault no longer exists:
- install the removed ESCAPE SLIDE AFT R (7503MM) again (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
- (g) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2873VC pin A and EPSU (13WL) pin T,
    - escape slide connector 2873VC pin B and GND,
    - PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin E and EPSU (13WL) pin C,
    - PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin F and GND,
    - PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin E and EPSU (13WL) pin D,
    - PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the removed ESCAPE SLIDE AFT R (7503MM) again (Ref. AMM TASK 25-62-44-400-006).

R EFF : 209-225, 247-275, 429-475, 551-599,  
701-749,

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- (h) If the fault continues:
  - replace the PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).
- (i) If the fault continues:
  - replace the PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (j) If the fault continues:
  - replace the PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).
- (k) If the fault continues:
  - replace the PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

R (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:  
R - replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R (a) If the fault continues:  
R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

R (b) If the fault continues:  
R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (13WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (13WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (13WL) pin C to the connector of the PROXIMITY SWITCH  
R 7WN1,  
R from EPSU (13WL) pin D to the connector of the PROXIMITY SWITCH  
R 17WV1,  
R from EPSU (13WL) pin S to the connector of the PROXIMITY SWITCH  
R 7WN2,  
R from EPSU (13WL) pin <K to the connector of the PROXIMITY  
R SWITCH 17WV2,  
R from EPSU (13WL) pin <Q to the connector(s) of the proximity  
R switches,  
R - if you find a short to ground in the wiring, replace the POWER  
R SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).

R EFF : 209-225, 247-275, 429-475, 551-599,  
701-749,

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- R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - Internal Load Fault  
R Message (Ref. TSM TASK 33-51-00-810-807).

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

- R J. If the operational test gives the maintenance message  
EPSU EXT LOAD AFT L:  
- do the operational test of the emergency lights not with CIDS (Ref. AMM TASK 33-51-00-710-006).

- (1) If the green LED 'SYSTEM OK' comes on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (2) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and a correct adapter cable between the escape slide and the aircraft electrical connector is available:

**NOTE** : A fault in one of the two aft escape slides can cause the LED to come on.

- (a) Do the subsequent procedures:  
- remove the ESCAPE SLIDE AFT L (7502MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-012).  
- connect a serviceable escape slide with the adapter cable to the aircraft.
- (b) If the fault no longer exists:  
- remove the old ESCAPE SLIDE AFT L (7502MM) fully (Ref. AMM TASK 25-62-44-000-012).  
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-007).
- (c) If the fault continues:  
- connect the ESCAPE SLIDE AFT L (7502MM) electrically only.  
- remove the ESCAPE SLIDE AFT R (7503MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-012).  
- connect a serviceable escape slide with the adapter cable to the aircraft.
- (d) If the fault no longer exists:  
- remove the old ESCAPE SLIDE AFT R (7503MM) fully (Ref. AMM TASK 25-62-44-000-012).  
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-007).  
- install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-007).

R EFF : 209-225, 245-245, 247-275, 429-475,  
551-599, 701-749,

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- (e) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 2872VC pin A and EPSU (13WL) pin F,  
escape slide connector 2872VC pin B and GND,  
PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin E and EPSU (13WL) pin S,  
PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin F and GND,  
PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin E and EPSU (13WL) pin <K,  
PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
- (f) If the fault no longer exists:
- install the old ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-400-007).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-007).
- (g) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 2873VC pin A and EPSU (13WL) pin T,  
escape slide connector 2873VC pin B and GND,  
PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin E and EPSU (13WL) pin C,  
PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin F and GND,  
PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin E and EPSU (13WL) pin D,  
PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-007).
  - install the old ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-400-007).
- (h) If the fault continues:
- replace the PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).
- (i) If the fault continues:
- replace the PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (j) If the fault continues:
- replace the PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).
- (k) If the fault continues:
- replace the PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

R EFF : 245-245,

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- (3) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:

**NOTE** : A fault in one of the two aft escape slides can cause the LED to come on.

- (a) Do the subsequent procedures:
- remove the ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-000-012).
  - connect a serviceable escape slide electrically only.
- (b) If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-007).
- (c) If the fault continues:
- connect the removed ESCAPE SLIDE AFT L (7502MM) electrically only.
  - remove the ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-000-012).
  - connect a serviceable escape slide electrically only.
- (d) If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-007).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-007).
- (e) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2872VC pin A and EPSU (13WL) pin F,
    - escape slide connector 2872VC pin B and GND,
    - PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin E and EPSU (13WL) pin S,
    - PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin F and GND,
    - PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin E and EPSU (13WL) pin <K,
    - PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
- (f) If the fault no longer exists:
- install the removed ESCAPE SLIDE AFT R (7503MM) again (Ref. AMM TASK 25-62-44-400-007).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-007).
- (g) If the fault continues:
- do a check and repair the wiring between:
    - escape slide connector 2873VC pin A and EPSU (13WL) pin T,
    - escape slide connector 2873VC pin B and GND,

R EFF : 245-245,

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# **A319/A320/A321**

## **TROUBLE SHOOTING MANUAL**

PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin E and EPSU (13WL) pin C,

PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin F and GND,

PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin E and EPSU (13WL) pin D,

PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

- install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-007).
- install the removed ESCAPE SLIDE AFT R (7503MM) again (Ref. AMM TASK 25-62-44-400-007).

(h) If the fault continues:

- replace the PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).

(i) If the fault continues:

- replace the PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

(j) If the fault continues:

- replace the PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).

(k) If the fault continues:

- replace the PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

R (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:

- R - replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R (a) If the fault continues:

- R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

R (b) If the fault continues:

- R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (13WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (13WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (13WL) pin C to the connector of the PROXIMITY SWITCH  
R 7WN1,

R EFF : 245-245,

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# **A319/A320/A321**

## **TROUBLE SHOOTING MANUAL**

R from EPSU (13WL) pin D to the connector of the PROXIMITY SWITCH  
R 17WV1,  
R from EPSU (13WL) pin S to the connector of the PROXIMITY SWITCH  
R 7WN2,  
R from EPSU (13WL) pin <K to the connector of the PROXIMITY  
R SWITCH 17WV2,  
R from EPSU (13WL) pin <Q to the connector(s) of the proximity  
R switches,  
R - if you find a short to ground in the wiring, replace the POWER  
R SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).

R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - Internal Load Fault  
R Message (Ref. TSM TASK 33-51-00-810-807).

**\*\*ON A/C 276-284, 476-478,**

R J. If the operational test gives the maintenance message  
EPSU EXT LOAD AFT L:  
- do the operational test of the emergency lights not with CIDS (Ref. AMM  
TASK 33-51-00-710-006).

(1) If the green LED 'OK EXTERNAL LOADS' comes on:  
- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-  
51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

(2) If the red LED 'FAULT EXTERNAL LOADS' comes on and a correct adapter  
cable between the escape slide and the aircraft electrical connector  
is available:

NOTE : A fault in one of the two aft escape slides can cause the LED  
to come on.

(a) Do the subsequent procedures:  
- remove the ESCAPE SLIDE AFT L (7502MM) as necessary to get  
access to the electrical connector (Ref. AMM TASK 25-62-44-000-  
002).  
- connect a serviceable escape slide with the adapter cable to  
the aircraft.

(b) If the fault no longer exists:  
- remove the old ESCAPE SLIDE AFT L (7502MM) fully (Ref. AMM TASK  
25-62-44-000-002).  
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-  
006).

R EFF : 245-245, 276-284, 476-478,

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- (c) If the fault continues:
- connect the ESCAPE SLIDE AFT L (7502MM) electrically only.
  - remove the ESCAPE SLIDE AFT R (7503MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-002).
  - connect a serviceable escape slide with the adapter cable to the aircraft.
- (d) If the fault no longer exists:
- remove the old ESCAPE SLIDE AFT R (7503MM) fully (Ref. AMM TASK 25-62-44-000-002).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
- (e) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 2872VC pin A and EPSU (13WL) pin F,  
escape slide connector 2872VC pin B and GND,  
PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin E and EPSU (13WL) pin S,  
PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin F and GND,  
PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin E and EPSU (13WL) pin <K,  
PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
- (f) If the fault no longer exists:
- install the old ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
- (g) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 2873VC pin A and EPSU (13WL) pin T,  
escape slide connector 2873VC pin B and GND,  
PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin E and EPSU (13WL) pin C,  
PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin F and GND,  
PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin E and EPSU (13WL) pin D,  
PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-400-006).

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- (h) If the fault continues:
    - replace the PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).
  - (i) If the fault continues:
    - replace the PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
  - (j) If the fault continues:
    - replace the PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).
  - (k) If the fault continues:
    - replace the PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (3) If the red LED 'FAULT EXTERNAL LOADS' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:
- NOTE** : A fault in one of the two aft escape slides can cause the LED to come on.
- (a) Do the subsequent procedures:
    - remove the ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-000-002).
    - connect a serviceable escape slide electrically only.
  - (b) If the fault no longer exists:
    - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
  - (c) If the fault continues:
    - connect the removed ESCAPE SLIDE AFT L (7502MM) electrically only.
    - remove the ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-000-002).
    - connect a serviceable escape slide electrically only.
  - (d) If the fault no longer exists:
    - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
    - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
  - (e) If the fault continues:
    - do a check and repair the wiring between:
      - escape slide connector 2872VC pin A and EPSU (13WL) pin F,
      - escape slide connector 2872VC pin B and GND,

R EFF : 276-284, 476-478,

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## **TROUBLE SHOOTING MANUAL**

PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin E and EPSU (13WL) pin S,  
PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin F and GND,  
PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin E and EPSU (13WL) pin <K,  
PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

- (f) If the fault no longer exists:
- install the removed ESCAPE SLIDE AFT R (7503MM) again (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
- (g) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 2873VC pin A and EPSU (13WL) pin T,  
escape slide connector 2873VC pin B and GND,  
PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin E and EPSU (13WL) pin C,  
PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin F and GND,  
PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin E and EPSU (13WL) pin D,  
PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the removed ESCAPE SLIDE AFT R (7503MM) again (Ref. AMM TASK 25-62-44-400-006).
- (h) If the fault continues:
- replace the PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).
- (i) If the fault continues:
- replace the PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (j) If the fault continues:
- replace the PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).
- (k) If the fault continues:
- replace the PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

- R (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:  
R - replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

R EFF : 276-284, 476-478,

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- R (a) If the fault continues:
- R - check all connected exterior lights and proximity switches for
- R a short-circuit and replace if necessary (Ref. ASM 33-51/01)
- R and (Ref. ASM 33-51/04),
- R - if you find one or more defective exterior lights or proximity
- R switches, replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref.
- R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).
- R (b) If the fault continues:
- R - do a check for a short to ground and repair the wiring if
- R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):
- R from EPSU (13WL) pin F to the connector(s) of the related signs
- R and lights,
- R from EPSU (13WL) pin T to the connector(s) of the related signs
- R and lights,
- R from EPSU (13WL) pin C to the connector of the PROXIMITY SWITCH
- R 7WN1,
- R from EPSU (13WL) pin D to the connector of the PROXIMITY SWITCH
- R 17WV1,
- R from EPSU (13WL) pin S to the connector of the PROXIMITY SWITCH
- R 7WN2,
- R from EPSU (13WL) pin <K to the connector of the PROXIMITY
- R SWITCH 17WV2,
- R from EPSU (13WL) pin <Q to the connector(s) of the proximity
- R switches,
- R - if you find a short to ground in the wiring, replace the POWER
- R SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001)
- R and (Ref. AMM TASK 33-51-38-400-001).
- R (c) If the fault continues:
- R - do the trouble shooting procedure EPSU - Internal Load Fault
- R Message (Ref. TSM TASK 33-51-00-810-807).

**\*\*ON A/C 285-299, 479-499, 503-549,**

- R J. If the operational test gives the maintenance message
- EPSU EXT LOAD AFT L:
- do the operational test of the emergency lights not with CIDS (Ref. AMM
- TASK 33-51-00-710-006).
- (1) If the green LED 'SYSTEM OK' comes on:
- replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-
- 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (2) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and a correct adapter
- cable between the escape slide and the aircraft electrical connector
- is available:

**NOTE** : A fault in one of the two aft escape slides can cause the LED

to come on.

EFF : 276-299, 476-499, 503-549,

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- (a) Do the subsequent procedures:
  - remove the ESCAPE SLIDE AFT L (7502MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-002).
  - connect a serviceable escape slide with the adapter cable to the aircraft.
- (b) If the fault no longer exists:
  - remove the old ESCAPE SLIDE AFT L (7502MM) fully (Ref. AMM TASK 25-62-44-000-002).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
- (c) If the fault continues:
  - connect the ESCAPE SLIDE AFT L (7502MM) electrically only.
  - remove the ESCAPE SLIDE AFT R (7503MM) as necessary to get access to the electrical connector (Ref. AMM TASK 25-62-44-000-002).
  - connect a serviceable escape slide with the adapter cable to the aircraft.
- (d) If the fault no longer exists:
  - remove the old ESCAPE SLIDE AFT R (7503MM) fully (Ref. AMM TASK 25-62-44-000-002).
  - install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
- (e) If the fault continues:
  - do a check and repair the wiring between:
    - escape slide connector 2872VC pin A and EPSU (13WL) pin F,
    - escape slide connector 2872VC pin B and GND,
    - PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin E and EPSU (13WL) pin S,
    - PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin F and GND,
    - PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin E and EPSU (13WL) pin <K,
    - PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin F and GND(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
- (f) If the fault no longer exists:
  - install the old ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
- (g) If the fault continues:
  - do a check and repair the wiring between:
    - escape slide connector 2873VC pin A and EPSU (13WL) pin T,
    - escape slide connector 2873VC pin B and GND,

EFF : 285-299, 479-499, 503-549,

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PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin E and EPSU (13WL) pin C,

PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin F and GND,

PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin E and EPSU (13WL) pin D,

PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin F and GND (Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).

- install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
- install the old ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-400-006).

(h) If the fault continues:

- replace the PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).

(i) If the fault continues:

- replace the PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

(j) If the fault continues:

- replace the PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).

(k) If the fault continues:

- replace the PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

(3) If the red LED 'EXTERIOR LIGHTS FAULT' comes on and no correct adapter cable between the escape slide and the aircraft electrical connector is available:

**NOTE** : A fault in one of the two aft escape slides can cause the LED to come on.

(a) Do the subsequent procedures:

- remove the ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-000-002).
- connect a serviceable escape slide electrically only.

(b) If the fault no longer exists:

- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).

(c) If the fault continues:

- connect the removed ESCAPE SLIDE AFT L (7502MM) electrically only.
- remove the ESCAPE SLIDE AFT R (7503MM) (Ref. AMM TASK 25-62-44-000-002).
- connect a serviceable escape slide electrically only.

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- (d) If the fault no longer exists:
- install a serviceable escape slide (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
- (e) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 2872VC pin A and EPSU (13WL) pin F,  
escape slide connector 2872VC pin B and GND,  
PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin E and EPSU (13WL) pin S,  
PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) pin F and GND,  
PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin E and EPSU (13WL) pin <K,  
PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
- (f) If the fault no longer exists:
- install the removed ESCAPE SLIDE AFT R (7503MM) again (Ref. AMM TASK 25-62-44-400-006).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
- (g) If the fault continues:
- do a check and repair the wiring between:  
escape slide connector 2873VC pin A and EPSU (13WL) pin T,  
escape slide connector 2873VC pin B and GND,  
PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin E and EPSU (13WL) pin C,  
PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) pin F and GND,  
PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin E and EPSU (13WL) pin D,  
PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) pin F and GND  
(Ref. ASM 33-51/02) and (Ref. AWM 33-51-04).
  - install the old ESCAPE SLIDE AFT L (7502MM) (Ref. AMM TASK 25-62-44-400-006).
  - install the removed ESCAPE SLIDE AFT R (7503MM) again (Ref. AMM TASK 25-62-44-400-006).
- (h) If the fault continues:
- replace the PROX SW-HANDLE, L AFT ESC SLIDE (7WN1) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).
- (i) If the fault continues:
- replace the PROX SW-HANDLE, L AFT PAX/CREW DOOR (17WV1) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).
- (j) If the fault continues:
- replace the PROX SW-HANDLE, R AFT ESC SLIDE (7WN2) (Ref. AMM TASK 52-73-11-000-002) and (Ref. AMM TASK 52-73-11-400-002).

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- (k) If the fault continues:
- replace the PROX SW-HANDLE, R AFT PAX/CREW DOOR (17WV2) (Ref. AMM TASK 52-71-11-000-001) and (Ref. AMM TASK 52-71-11-400-001).

- R (4) If the red LED 'EXTERIOR LIGHTS FAULT' and the red LED 'INTERIOR  
R LIGHTS FAULT' flash:  
R - replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-  
R 51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).

- R (a) If the fault continues:  
R - check all connected exterior lights and proximity switches for  
R a short-circuit and replace if necessary (Ref. ASM 33-51/01)  
R and (Ref. ASM 33-51/04),  
R - if you find one or more defective exterior lights or proximity  
R switches, replace the POWER SUPPLY UNIT-EMERGENCY (13WL) (Ref.  
R AMM TASK 33-51-38-000-001) (Ref. AMM TASK 33-51-38-400-001).

- R (b) If the fault continues:  
R - do a check for a short to ground and repair the wiring if  
R necessary (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04):  
R from EPSU (13WL) pin F to the connector(s) of the related signs  
R and lights,  
R from EPSU (13WL) pin T to the connector(s) of the related signs  
R and lights,  
R from EPSU (13WL) pin C to the connector of the PROXIMITY SWITCH  
R 7WN1,  
R from EPSU (13WL) pin D to the connector of the PROXIMITY SWITCH  
R 17WV1,  
R from EPSU (13WL) pin S to the connector of the PROXIMITY SWITCH  
R 7WN2,  
R from EPSU (13WL) pin <K to the connector of the PROXIMITY  
R SWITCH 17WV2,  
R from EPSU (13WL) pin <Q to the connector(s) of the proximity  
R switches,  
R - if you find a short to ground in the wiring, replace the POWER  
R SUPPLY UNIT-EMERGENCY (13WL) (Ref. AMM TASK 33-51-38-000-001)  
R and (Ref. AMM TASK 33-51-38-400-001).

- R (c) If the fault continues:  
R - do the trouble shooting procedure EPSU - Internal Load Fault  
R Message (Ref. TSM TASK 33-51-00-810-807).

**\*\*ON A/C ALL**

K. Do the test as given in Para. 3.A.

### 5. Close-up

A. Put the aircraft back to its initial configuration.

EFF : ALL

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R \*\*ON A/C 201-225, 227-227, 229-275, 426-475, 551-599, 701-749,

TASK 33-51-00-810-809

EPSU - Emer Overwing Light Fault

### 1. Possible Causes

- LIGHT-FWD EMER, OVERWING (61WL)
- LIGHT-FWD EMER, OVERWING (60WL)
- LIGHT-AFT EMER, OVERWING (63WL)
- LIGHT-AFT EMER, OVERWING (62WL)
- EMERGENCY POWER SUPPLY UNIT (11WL)
- wiring
- EMERGENCY POWER SUPPLY UNIT (12WL)

### 2. Job Set-up Information

A. Fixtures, Tools, Test and Support Equipment

-----  
REFERENCE QTY DESIGNATION  
-----

No specific warning notices

B. Referenced Information

-----  
REFERENCE DESIGNATION  
-----

AMM	24-41-00-861-002	Energize the Aircraft Electrical Circuits from the External Power
AMM	24-41-00-862-002	De-energize the Aircraft Electrical Circuits Supplied from the External Power
AMM	33-51-00-710-001	Operational Test of Emergency Lights
AMM	33-51-15-000-001	Removal of the Emergency Overwing Lights 60WL (61WL, 62WL, 63WL)
AMM	33-51-15-400-001	Installation of the Emergency Overwing Lights 60WL (61WL, 62WL, 63WL)
AMM	33-51-38-000-001	Removal of the Emergency Power-Supply Unit (EPSU)
AMM	33-51-38-400-001	Installation of the Emergency Power-Supply Unit (EPSU)
ASM	33-51/02	

R EFF : 201-225, 227-227, 229-275, 426-475,  
551-599, 701-749,

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**3. Fault Confirmation**

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

PANEL	DESIGNATION	IDENT. LOCATION	
	49VU LIGHTING/EMER LT/CABIN	2WL	H06
	49VU LIGHTING/EMER LT/CABIN	1WL	H05
	122VU LIGHTING/CABIN/EMER/LT	3WL	V07

B. Aircraft Maintenance Configuration

- (1) Energize the aircraft electrical circuits  
(Ref. AMM TASK 24-41-00-861-002).
- (2) Make sure that the SW-SIGNS/EMER EXIT LT (4WL) switch on the SIGNS panel 25VU is in the OFF position.
- (3) Make sure that all emergency exits are closed.
- (4) Put the warning notices in position internally on the emergency exits.

**\*\*ON A/C 201-225, 451-475, 551-599,**

C. Do this test

**WARNING : MAKE SURE THAT THE SAFETY PIN IS CORRECTLY INSTALLED IN THE HATCH FRAME IF THE EMERGENCY EXIT HATCH IS REMOVED. THIS PREVENTS AN ACCIDENTAL OPERATION OF THE ESCAPE SLIDE MECHANISM DURING THE MAINTENANCE.**

- (1) This test and the subsequent maintenance action are for the LH side of the aircraft. For the RH side use the referenced LRUs as indicated between the parentheses.

ACTION	RESULT
1. At the left (right) emergency escape hatch: - open the cover of the control handle but do not open the hatch.  - turn the latch pin a quarter turn counterclockwise to the DISARM position.	On the overwing fuselage:   - the left (right) emergency overwing lights come on.

R EFF : 201-225, 227-227, 229-275, 426-475,  
551-599, 701-749,  
  
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ACTION	RESULT
<ul style="list-style-type: none"><li>- push and turn the latch pin a quarter turn clockwise to the ARM position.</li><li>- close the cover of the control handle.</li></ul>	<ul style="list-style-type: none"><li>- the left (right) emergency overwing lights go off.</li></ul>

R \*\*ON A/C 227-227, 229-275, 426-450, 701-749,

C. Do this test

**WARNING** : MAKE SURE THAT THE SAFETY PIN IS CORRECTLY INSTALLED IN THE HATCH FRAME IF THE EMERGENCY EXIT HATCH IS REMOVED. THIS PREVENTS AN ACCIDENTAL OPERATION OF THE ESCAPE SLIDE MECHANISM DURING THE MAINTENANCE.

(1) This test and the subsequent maintenance action are for the LH side of the aircraft. For the RH side use the referenced LRUs as indicated between the parentheses.

ACTION	RESULT
<p>1. At the forward left (right) emergency escape hatch:</p> <ul style="list-style-type: none"><li>- open the cover of the control handle but do not open the hatch.</li><li>- turn the latch pin a quarter turn counterclockwise to the DISARM position.</li><li>- push and turn the latch pin a quarter turn clockwise to the ARM position.</li><li>- close the cover of the control handle.</li></ul>	<p>On the overwing fuselage:</p> <ul style="list-style-type: none"><li>- the left (right) emergency overwing lights come on.</li><li>- the left (right) emergency overwing lights go off.</li></ul>

R EFF : 201-225, 227-227, 229-275, 426-475, 551-599, 701-749,

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R \*\*ON A/C 201-225, 227-227, 229-275, 426-475, 551-599, 701-749,

#### 4. Fault Isolation

##### A. Maintenance Action

- (1) If the LIGHT-FWD EMER, OVERWING (61WL)  
(LIGHT-FWD EMER, OVERWING (60WL)) does not come on, but the  
LIGHT-AFT EMER, OVERWING (63WL)  
(LIGHT-AFT EMER, OVERWING (62WL)) comes on:
  - do a check of the  
LIGHT-FWD EMER, OVERWING (61WL)  
(LIGHT-FWD EMER, OVERWING (60WL)) and replace it if necessary (Ref.  
AMM TASK 33-51-15-000-001) and (Ref. AMM TASK 33-51-15-400-001).
- (a) If the fault continues:
  - do a check and repair the wiring between:  
LIGHT-FWD EMER, OVERWING (61WL)  
(LIGHT-FWD EMER, OVERWING (60WL)) connector A/B and  
EMERGENCY POWER SUPPLY UNIT (11WL)  
(EMERGENCY POWER SUPPLY UNIT (12WL)) connector A/T,  
LIGHT-FWD EMER, OVERWING (61WL)  
(LIGHT-FWD EMER, OVERWING (60WL)) connector A/A and GND,  
LIGHT-FWD EMER, OVERWING (61WL)  
(LIGHT-FWD EMER, OVERWING (60WL)) connector A/C and GND (Ref.  
ASM 33-51/02).
- (2) If the LIGHT-AFT EMER, OVERWING (63WL)  
(LIGHT-AFT EMER, OVERWING (62WL)) does not come on, but the  
LIGHT-FWD EMER, OVERWING (61WL)  
(LIGHT-FWD EMER, OVERWING (60WL)) comes on:
  - do a check of the LIGHT-AFT EMER, OVERWING (63WL)  
(LIGHT-AFT EMER, OVERWING (62WL)) and replace it if necessary (Ref.  
AMM TASK 33-51-15-000-001) and (Ref. AMM TASK 33-51-15-400-001).
- (a) If the fault continues:
  - do a check and repair the wiring between:  
LIGHT-AFT EMER, OVERWING (63WL)  
(LIGHT-AFT EMER, OVERWING (62WL)) connector A/B and  
EMERGENCY POWER SUPPLY UNIT (11WL)  
(EMERGENCY POWER SUPPLY UNIT (12WL)) connector A/F,  
LIGHT-AFT EMER, OVERWING (63WL)  
(LIGHT-AFT EMER, OVERWING (62WL)) connector A/A and GND,  
LIGHT-AFT EMER, OVERWING (63WL)  
(LIGHT-AFT EMER, OVERWING (62WL)) connector A/C and GND (Ref.  
ASM 33-51/02).

R EFF : 201-225, 227-227, 229-275, 426-475,  
551-599, 701-749,

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- (3) If the LIGHT-FWD EMER, OVERWING (61WL) (LIGHT-FWD EMER, OVERWING (60WL)) and the LIGHT-AFT EMER, OVERWING (63WL) (LIGHT-AFT EMER, OVERWING (62WL)) do not come on:
- do a check of the EMERGENCY POWER SUPPLY UNIT (11WL) (EMERGENCY POWER SUPPLY UNIT (12WL)) and replace it if necessary (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001).
- (a) If the fault continues:
- do a check and repair the wiring between:
    - EMERGENCY POWER SUPPLY UNIT (11WL) (EMERGENCY POWER SUPPLY UNIT (12WL)) connector A/F and LIGHT-AFT EMER, OVERWING (63WL)
    - (LIGHT-AFT EMER, OVERWING (62WL)) connector A/B, EMERGENCY POWER SUPPLY UNIT (11WL) (EMERGENCY POWER SUPPLY UNIT (12WL)) connector A/T and LIGHT-FWD EMER, OVERWING (61WL)
    - (LIGHT-FWD EMER, OVERWING (60WL)) connector A/B, LIGHT-FWD EMER, OVERWING (61WL)
    - (LIGHT-FWD EMER, OVERWING (60WL)) connector A/A and GND, LIGHT-FWD EMER, OVERWING (61WL)
    - (LIGHT-FWD EMER, OVERWING (60WL)) connector A/C and GND, LIGHT-AFT EMER, OVERWING (63WL)
    - (LIGHT-AFT EMER, OVERWING (62WL)) connector A/A and GND, LIGHT-AFT EMER, OVERWING (63WL)
    - (LIGHT-AFT EMER, OVERWING (62WL)) connector A/C and GND (Ref. ASM 33-51/02).

B. Do the operational test of the emergency lighting to check the correct operation (Ref. AMM TASK 33-51-00-710-001).

### **5. Close-up**

A. Put the aircraft back to its initial configuration.

- (1) Remove the warning notices
- (2) De-energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-862-002).

**\*\*ON A/C ALL**

### **TASK 33-51-00-810-810**

Emergency Lighting - Emergency Lighting in the Cabin does not come on when the EMER EXIT LT Switch is in the ON Position

#### **1. Possible Causes**

- SW-SIGNS/EMER EXIT LT (4WL)
- wiring

#### **2. Job Set-up Information**

- A. Referenced Information

---

#### **REFERENCE**

#### **DESIGNATION**

---

AMM 33-51-00-710-008      Operational Test of the Emergency Lighting in the Cabin by 'EMER EXIT LT' Switch

ASM 33-51/01

#### **3. Fault Confirmation**

- A. Do the operational test of the emergency lighting in the cabin by EMER EXIT LT switch (Ref. AMM TASK 33-51-00-710-008).

#### **4. Fault Isolation**

- A. If the emergency lighting in the cabin does not come on:
  - do a check of the SW-SIGNS/EMER EXIT LT (4WL) and replace it if necessary.

- (1) If the fault continues:

- do a check and repair the wiring between:  
SW-SIGNS/EMER EXIT LT (4WL) switch pin 3A and POWER SUPPLY UNIT-EMERGENCY (10WL) connector A/A,  
SW-SIGNS/EMER EXIT LT (4WL) switch pin 3B and GND,  
SW-SIGNS/EMER EXIT LT (4WL) switch pin 1C and GND (Ref. ASM 33-51/01).

- B. Do the test given in para. 3.

#### **5. Close-up**

- A. Put the aircraft back to its initial configuration.

EFF :      ALL

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**TASK 33-51-00-810-811**

Emergency Lighting - Emergency Lighting in the Cabin does not come on when the LIGHT EMER Pushbutton Switch and its integral Light are on

**1. Possible Causes**

- FAP (120RH)
- 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 23-73-12-000-002	Removal of the Forward Attendant Panel (120RH)
AMM 23-73-12-400-002	Installation of the Forward Attendant Panel (120RH)
AMM 33-51-00-710-007	Operational Test of the Emergency Lighting in the Cabin by 'LIGHT EMER' Pushbutton Switch
ASM 33-51/01	
ASM 33-51/02	

**3. Fault Confirmation**

- A. Do the operational test of the emergency lighting in the cabin by LIGHT EMER pushbutton switch (Ref. AMM TASK 33-51-00-710-007).

**4. Fault Isolation**

- A. If the emergency lighting in the cabin does not come on:
- do the BITE-test of the Cabin Intercommunication Data-System (CIDS) (Ref. AMM TASK 23-73-00-740-005) and monitor the functions of the Forward Attendant Panel (FAP) (120RH),
  - make sure that the FAP (120RH) operates correctly and replace it if necessary (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 as necessary the wiring between:  
FAP (120RH) connector A/15 and EPSU (10WL) connector A/A or EPSU (11WL) connector A/A or EPSU (12WL) connector A/A or EPSU (13WL) connector A/A  
(Ref. ASM 33-51/01) and (Ref. ASM 33-51/02).

- B. Do the test given in para. 3.

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**5. Close-up**

- A. Put the aircraft back to its initial configuration.

EFF :     ALL

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**TASK 33-51-00-810-812**

Emer. Lighting - Not all Cabin Emergency Lights come on during Simulation loss of 28 VDC

**1. Possible Causes**

- POWER SUPPLY UNIT-EMERGENCY
- POWER SUPPLY UNIT (110WLx)

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

REFERENCE	DESIGNATION
AMM 24-41-00-861-002	Energize the Aircraft Electrical Circuits from the External Power
AMM 24-41-00-862-002	De-energize the Aircraft Electrical Circuits Supplied from the External Power
AMM 33-51-38-000-001	Removal of the Emergency Power-Supply Unit (EPSU)
AMM 33-51-38-400-001	Installation of the Emergency Power-Supply Unit (EPSU)
AMM 33-51-39-000-001	Removal of the Power Supply Unit for the Floor-Proximity Emergency-Escape Path-Marking Light
AMM 33-51-39-400-001	Installation of the Power Supply Unit for the Floor-Proximity Emergency-Escape Path-Marking Light
ASM 33-51/01	
ASM 33-51/04	

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

PANEL	DESIGNATION	IDENT. LOCATION	
	49VU LIGHTING/EMER LT/CABIN	2WL	H06
	49VU LIGHTING/EMER LT/CABIN	1WL	H05
	122VU LIGHTING/CABIN/EMER/LT	3WL	V07

**B. Energize the aircraft electrical circuits  
(Ref. AMM TASK 24-41-00-861-002).**

EFF : ALL

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C. Do this test:

**NOTE** : Make sure that all cabin emergency lights have been tested and operate correctly

ACTION	RESULT
--------	--------

1. In the cockpit, on the SIGNS panel 25VU:
  - set the SW-SIGNS/EMER EXIT LT (4WL) switch to the ARM position.

2. On the circuit breaker panel 49VU:
  - open the circuit breakers 1WL and 2WL.

In the cabin:

  - not all cabin emergency lights come on.

#### 4. Fault Isolation

R \*\*ON A/C 201-225, 227-227, 229-250, 252-299, 426-499, 503-549, 551-599,  
R 701-749,

##### A. Maintenance Action

**NOTE** : The combination of cabin emergency lights that do not come on shows you the EPSU which you must replace.

- (1) If all to one POWER SUPPLY UNIT-EMERGENCY terminal related cabin emergency lights do not come on (Ref. ASM 33-51/01):
  - replace the related POWER SUPPLY UNIT-EMERGENCY (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001),

\*\*ON A/C 251-251,

##### A. Maintenance Action

**NOTE** : The combination of cabin emergency lights that do not come on shows you the POWER SUPPLY UNIT-EMERGENCY or the Power Supply Unit (PSU) which you must replace.

- (1) If all to one POWER SUPPLY UNIT-EMERGENCY terminal related cabin emergency lights do not come on (Ref. ASM 33-51/01):
  - replace the related EPSU (Ref. AMM TASK 33-51-38-000-001) and (Ref. AMM TASK 33-51-38-400-001),

EFF : ALL

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- (2) If all to one PSU terminal related cabin emergency lights do not come on (Ref. ASM 33-51/04):
- replace the related POWER SUPPLY UNIT (110WLx) (Ref. AMM TASK 33-51-39-000-001) and (Ref. AMM TASK 33-51-39-400-001),

**\*\*ON A/C ALL**

**B. Do the test given in para. 3.**

### **5. Close-up**

**A. De-energize the aircraft electrical circuits  
(Ref. AMM TASK 24-41-00-862-002).**

**EFF : ALL**

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**\*\*ON A/C 251-251,**

**TASK 33-51-00-810-813**

**Emergency Lighting - Emergency-Escape Path-Marking (EPPM) Lights Fault**

**1. Possible Causes**

- EPPM Light
- wiring
- POWER SUPPLY UNIT (110WLx)

**2. Job Set-up Information**

**A. Referenced Information**

REFERENCE	DESIGNATION
AMM 33-51-00-710-001	Operational Test of Emergency Lights
AMM 33-51-00-710-002	Operational Test of Emergency Escape-Path Marking-Lights
AMM 33-51-12-000-001	Removal of the Marking Light of the Floor-Proximity Emergency-Escape Path (LSI)
AMM 33-51-12-400-001	Installation of the Marking Light of the Floor-Proximity Emergency-Escape Path (LSI)
AMM 33-51-39-000-001	Removal of the Power Supply Unit for the Floor-Proximity Emergency-Escape Path-Marking Light
AMM 33-51-39-400-001	Installation of the Power Supply Unit for the Floor-Proximity Emergency-Escape Path-Marking Light
ASM 33-51/04	

**3. Fault Confirmation**

**A. Test**

- (1) Do the operational test of the Emergency Escape-Path Marking-Lights (Ref. AMM TASK 33-51-00-710-002).
- (2) Do the operational test of the Emer Light by 'TEST EMER LIGHT SYS' pushbutton switch (Ref. AMM TASK 33-51-00-710-001).

**EFF : 251-251,**

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**4. Fault Isolation**

**A.** If the test gives a maintenance message, do the trouble shooting procedure related to the maintenance message.

**B.** Maintenance Action

(1) If one or more EEPM lights do not come on:

- replace the related EEPM light (Ref. AMM TASK 33-51-12-000-001) and (Ref. AMM TASK 33-51-12-400-001).

(a) If the fault continues:

- do a check and repair the wiring between the related:  
EEPM light and the POWER SUPPLY UNIT (110WLx) connector A/10,  
EEPM light and the POWER SUPPLY UNIT (110WLx) connector A/11  
(Ref. ASM 33-51/04).

(2) If all to one POWER SUPPLY UNIT (110WLx) related EEPM lights do not come on (Ref. ASM 33-51/04):

- do a check of the POWER SUPPLY UNIT (110WLx) and replace it if necessary (Ref. AMM TASK 33-51-39-000-001) and (Ref. AMM TASK 33-51-39-400-001).

(a) If the fault continues:

- repair the wiring between the related:  
POWER SUPPLY UNIT (110WLx) connector A/4 and EMER LT switch 4WL  
connector 3B  
POWER SUPPLY UNIT (110WLx) connector A/7 and GND (Ref. ASM 33-51/04).

**C.** Do the test given in para. 3.

**5. Close-up**

**A.** Put the aircraft back to its initial configuration.

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TASK 33-51-00-810-814

Emergency Lighting - Exit Marker Sign Fault

**1. Possible Causes**

- EXIT MARKER
- wiring
- POWER SUPPLY UNIT (110WLx)

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

REFERENCE	DESIGNATION
AMM 33-51-00-710-001	Operational Test of Emergency Lights
AMM 33-51-00-710-009	Check all Cabin Lights and Signs for correct illumination
AMM 33-51-13-000-001	Removal of the Cabin Wall-Mounted Emergency-Exit-Markers
AMM 33-51-13-400-001	Installation of the Cabin Wall-Mounted Emergency-Exit-Markers
AMM 33-51-39-000-001	Removal of the Power Supply Unit for the Floor-Proximity Emergency-Escape Path-Marking Light
AMM 33-51-39-400-001	Installation of the Power Supply Unit for the Floor-Proximity Emergency-Escape Path-Marking Light
ASM 33-51/01	
ASM 33-51/04	

**3. Fault Confirmation****A. Test**

- (1) Do the operational test of the emergency cabin lighting and signs (Ref. AMM TASK 33-51-00-710-009).
- (2) Do the operational test of the Emer Light by 'TEST EMER LIGHT SYS' pushbutton switch (Ref. AMM TASK 33-51-00-710-001).

EFF : 251-251,

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**4. Fault Isolation****A. Maintenance Action**

- (1) If the test gives a maintenance message, do the trouble shooting procedure related to the maintenance message.
- (2) If one EXIT MARKER does not come on:
  - replace the EXIT MARKER (Ref. AMM TASK 33-51-13-000-001) and (Ref. AMM TASK 33-51-13-400-001).
- (a) If the fault continues:
  - do check and repair the wiring between:
    - the related EXIT MARKER pin A and the related POWER SUPPLY UNIT (110WLx) connector A/10,
    - the related EXIT MARKER pin B and the related POWER SUPPLY UNIT (110WLx) connector A/11 (Ref. ASM 33-51/04).
- (3) If all to one POWER SUPPLY UNIT related EXIT MARKER do not come on:
  - replace the related POWER SUPPLY UNIT (110WLx) (Ref. AMM TASK 33-51-39-000-001) and (Ref. AMM TASK 33-51-39-400-001).
- (a) If the fault continues:
  - do a check and repair the wiring between:
    - the related POWER SUPPLY UNIT (110WLx) connector A/1 and the EMER LT switch 4WL/3B (Ref. ASM 33-51/01) and (Ref. ASM 33-51/04).

**B. Do the test given in para. 3.**

**5. Close-up**

**A. Put the aircraft back to its initial configuration.**

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**\*\*ON A/C ALL**

### **TASK 33-51-00-810-815**

Aux. Lighting - Lavatory Auxiliary Lights do not operate

#### **1. Possible Causes**

- LIGHT-LAVATORY, AUX
- wiring
- CB 79WL

#### **2. Job Set-up Information**

##### **A. Referenced Information**

REFERENCE	DESIGNATION
AMM 24-41-00-861-002	Energize the Aircraft Electrical Circuits from the External Power
AMM 33-51-14-000-001	Removal of the Auxiliary Lavatory Light 80WL
AMM 33-51-14-400-001	Installation of the Auxiliary Lavatory Light 80WL
ASM 33-51/03	

#### **3. Fault Confirmation**

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

PANEL	DESIGNATION	IDENT.	LOCATION
49VU	LIGHTING/EMER LT/CABIN	79WL	H07

B. Energize the aircraft electrical circuits  
(Ref. AMM TASK 24-41-00-861-002).

#### **4. Fault Isolation**

##### **A. Maintenance Action**

(1) If one or more LIGHT-LAVATORY, AUX do not come on:

- replace the related LIGHT-LAVATORY, AUX (Ref. AMM TASK 33-51-14-000-001) and (Ref. AMM TASK 33-51-14-400-001).

(a) If the fault continues:

- do a check and repair the wiring between:  
CB 79WL and the related LIGHT-LAVATORY, AUX pin 1,  
the related LIGHT-LAVATORY, AUX pin 2 and GND (Ref. ASM 33-51/03).

EFF : ALL

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- (2) If all the LIGHTS-LAVATORY, AUX do not come on:
- do a check and repair the wiring between:  
CB 79WL and the related LIGHT-LAVATORY, AUX pin 1,

- (a) If the fault continues:
- check and replace if necessary CB 79WL.

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

### 5. Close-up

A. Put the aircraft back to its initial configuration.

EFF : ALL

SR0S

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TASK 33-51-00-810-816

Emer. Lighting - Cockpit Annunciator Light EMER EXIT LT OFF 5WL does not operate

**1. Possible Causes**

- BOARD-ANN LT TEST & INTFC (7LP)
- EMER EXIT LT OFF (5WL)
- wiring

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

REFERENCE	DESIGNATION
AMM 24-41-00-861-002	Energize the Aircraft Electrical Circuits from the External Power
AMM 24-41-00-862-002	De-energize the Aircraft Electrical Circuits Supplied from the External Power
AMM 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 33-51/01	

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

PANEL	DESIGNATION	IDENT. LOCATION	
	49VU LIGHTING/EMER LT/CABIN	2WL	H06
	49VU LIGHTING/EMER LT/CABIN	1WL	H05
	122VU LIGHTING/CABIN/EMER/LT	3WL	V07

**B. Energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-861-002).**

EFF : ALL

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C. Do this test:

ACTION	RESULT
1. In the cockpit, on the SIGNS panel 25VU: - set the SW-SIGNS/EMER EXIT LT (4WL) switch to the ON position.	In the cockpit, on the SIGNS panel 25VU: - the EMER EXIT LT OFF (5WL) annunciator goes off.
2. On the SIGNS panel 25VU: - set the SW-SIGNS/EMER EXIT LT (4WL) switch to the OFF position.	On the SIGNS panel 25VU: - the EMER EXIT LT OFF (5WL) annunciator comes on.

#### 4. Fault Isolation

A. If the EMER EXIT LT OFF (5WL) annunciator does not come on:  
- put the ANN LT switch on the panel 25VU in the TEST position.

(1) If the EMER EXIT LT OFF (5WL) annunciator does not come on:  
- do a check of the EMER EXIT LT OFF (5WL) annunciator and replace it if necessary.

(2) If the fault continues:  
- do a check of the BOARD-ANN LT TEST & INTFC (7LP) and replace it if necessary (Ref. AMM TASK 33-14-33-000-001) and (Ref. AMM TASK 33-14-33-400-001).

(3) If the fault continues:  
- do a check and repair the wiring between:  
BOARD-ANN LT TEST & INTFC (7LP) connector A/44 and EMER EXIT LT OFF (5WL) annunciator connector A/4,  
BOARD-ANN LT TEST & INTFC (7LP) connector A/11 and CB 2WL,  
BOARD-ANN LT TEST & INTFC (7LP) connector A/41 and GND (Ref. ASM 33-51/01).

B. Do the test given in para. 3.

#### 5. Close-up

A. De-energize the aircraft electrical circuits  
(Ref. AMM TASK 24-41-00-862-002).

EFF : ALL

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R \*\*ON A/C 201-225, 227-227, 229-254, 426-450, 456-475, 551-599, 701-749,

### **TASK 33-51-00-810-817**

Emer. Lighting - Battery charge failure

#### **1. Possible Causes**

- BATTERIES

#### **2. Job Set-up Information**

A. Referenced Information

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#### **REFERENCE**

#### **DESIGNATION**

---

AMM 33-51-00-710-001	Operational Test of Emergency Lights
AMM 33-51-00-710-003	Check Battery Capacity
AMM 33-51-38-000-002	Removal of the Battery of the Emergency Power-Supply Unit
AMM 33-51-38-400-002	Installation of the Battery of the Emergency Power-Supply Unit

#### **3. Fault Confirmation**

A. Test

(1) Do the Operational test of Emergency Lights by 'TEST EMER LIGHT SYS' pushbutton (Ref. AMM TASK 33-51-00-710-001).

(2) Do the Battery Capacity Check by 'TEST EMER LIGHT BAT' pushbutton (Ref. AMM TASK 33-51-00-710-003).

#### **4. Fault Isolation**

A. If the test gives a maintenance message, do the trouble shooting procedure related to the maintenance message.

B. If the fault continues:

- replace the BATTERIES of all EPSUs by fully charged ones (Ref. AMM TASK 33-51-38-000-002) and (Ref. AMM TASK 33-51-38-400-002).

C. Do the Operational test of Emergency Lights by 'TEST EMER LIGHT SYS' pushbutton (Ref. AMM TASK 33-51-00-710-001).

R EFF : 201-225, 227-227, 229-254, 426-450,  
456-475, 551-599, 701-749,

SR0S

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**\*\*ON A/C ALL****TASK 33-51-00-810-818**

Communication failure between CIDS and all EPSUs

**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****AMM 33-51-00-710-001****Operational Test of Emergency Lights****3. Fault Confirmation****A. Do these tests****(1) Do the BITE-test of the Cabin Intercommunication Data-System (CIDS) (Ref. AMM TASK 23-73-00-740-005).****(2) Do the CIDS1/DEU-B test through the CFDS.****(3) Do the CIDS1/CIDS BUS test through the CFDS.****(4) Do the operational test of the emergency lighting system (Ref. AMM TASK 33-51-00-710-001).****4. Fault Isolation****A. If the test gives a maintenance message, do the trouble shooting procedure related to the maintenance message.****NOTE : After the fault confirmation in above sequence and the fault isolation with the related removal of the failure you will not see the PTP-messages NO EPSU DATA and NO COMMUNICATION again.****EFF : ALL****SR05****33-51-00**Page B202  
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### **TASK 33-51-00-810-819**

Emer. Lighting - The Exit Signs Flicker

#### **1. Possible Causes**

- RELAY 8WL
- DIODE (on diode holder 1158VD)

#### **2. Job Set-up Information**

##### **A. Referenced Information**

---

#### **REFERENCE**

#### **DESIGNATION**

---

AMM 33-51-00-710-001      Operational Test of Emergency Lights  
ASM 33-51/00

#### **3. Fault Confirmation**

##### **A. Do this Test**

- (1) Do the operational test of the emergency lights by TEST EMER LIGHT SYS pushbutton (Ref. AMM TASK 33-51-00-710-001).
- (2) On the overhead panel 25VU, set the NO SMOKING switch 190RH to the ON position.
- (3) Monitor the EXIT signs in the cabin.
- (4) On the overhead panel 25VU, set the NO SMOKING switch 190RH to the AUTO position.
- (5) Monitor the EXIT signs in the cabin.

#### **4. Fault Isolation**

- A. If the exit signs in the cabin flicker with the NO SMOKING switch 190RH in either the ON or the AUTO position:**
- replace the RELAY 8WL in the relay box 103VU in the electronics compartment (Ref. ASM 33-51/00).

- (1) If the fault continues:**
- replace the DIODE (on diode holder 1158VD) between pins 31 and 32 on panel 103VU126 (Ref. ASM 33-51/00).

**B. Do the test given in para. 3.**

EFF :      ALL

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**5. Close-up**

- A. Put the aircraft back to its initial configuration.

EFF :     ALL

SR0S

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