

 **BOEING**  
COMPONENT  
MAINTENANCE MANUAL

TO: ALL HOLDERS OF BATTERY/STANDBY POWER PANEL ASSEMBLY COMPONENT MAINTENANCE  
MANUAL 24-33-72.

REVISION NO. 14 DATED JUL 01/03

HIGHLIGHTS

Pages which have been added or revised are outlined below together with the highlights of the revision. Remove and insert the affected pages as listed and enter Revision No. and date on the Record of Revision Sheet.

CHAPTER/SECTION  
AND PAGE NO.

DESCRIPTION OF CHANGE

TITLE PAGE

Added assemblies 233T3100-273, -287, -296.

1

101-103,122-137,  
153,155,157,159

TR & SB RECORD

Added assemblies 233N3211-1038, -1039 per  
CSB 233N3211-24-02 Rev 1.

1

101,108-121,145,  
147,149,151

REPAIR-GEN

602

1004-1021,1023,  
1027-1036,1039-1045,  
1069-1079

TR & SB RECORD

Incorporate TR No. 24-6.

1

CONTENTS

Edited without technical change.

1

**24-33-72**

HIGHLIGHTS

01.1

Page 1

Jul 01/03

## BATTERY/STANDBY POWER PANEL ASSEMBLY, M10062

PART NUMBERS 233N3211-36 THRU -42,-46,-300 THRU  
-309,-311,-312,-313,-315,  
-316,-317,-319,-321,-1036,  
-1037 THRU -1042,-1046,  
-1300 THRU -1309,-1311  
233T3100-273,-287,-296

COMPONENT MAINTENANCE MANUAL  
WITH  
ILLUSTRATED PARTS LIST

**24-33-72**

TITLE PAGE

Page 1

Jul 01/03

01.1



REVISION RECORD

- Retain this record in front of manual. On receipt of revision, insert revised pages in the manual, and enter revision number, date inserted and initial.

REVISION NUMBER	REVISION DATE	DATE FILED	BY	REVISION NUMBER	REVISION DATE	DATE FILED	BY

278134

**24-33-72**

REVISION RECORD

01.101

Page 1

Oct 01/88

TEMPORARY REVISION AND SERVICE BULLETIN RECORD

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVE	DATE OF INCORPORATION INTO MANUAL
233N3211-24-02		PRR 53135-97 PRR B11632 PRR 54530-128 PRR B13277	OCT 01/87 JAN 01/89 JUN 01/97 NOV 01/00
	24-3	PRR 54530-241S PRR B12901-10S	NOV 01/01
233N3211-24-02R1	24-4		NOV 01/01
	24-6		NOV 01/01 JUL 01/03 JUL 01/03

**24-33-72**

TR & SB RECORD

01.1

Page 1

Jul 01/03

PAGE	DATE	CODE	PAGE	DATE	CODE
24-33-72			TESTING & TROUBLE SHOOTING CONT.		
TITLE PAGE			*112	JUL 01/03	01.1
*1	JUL 01/03	01.1	*113	JUL 01/03	01.1
2	BLANK		*114	JUL 01/03	01.1
REVISION RECORD			*115	JUL 01/03	01.1
1	OCT 01/88	01.101	*116	JUL 01/03	01.1
2	BLANK		*117	JUL 01/03	01.1
TR & SB RECORD			*118	JUL 01/03	01.1
*1	JUL 01/03	01.1	*119	JUL 01/03	01.1
2	BLANK		*120	JUL 01/03	01.1
LIST OF EFFECTIVE PAGES			*121	JUL 01/03	01.1
*1	JUL 01/03	01	*122	JUL 01/03	01.1
THRU LAST PAGE			*123	JUL 01/03	01.1
CONTENTS			*124	JUL 01/03	01.1
*1	JUL 01/03	01.1	*125	JUL 01/03	01.1
2	BLANK		*126	JUL 01/03	01.1
INTRODUCTION			*127	JUL 01/03	01.1
1	OCT 01/88	01.101	*128	JUL 01/03	01.1
2	BLANK		*129	JUL 01/03	01.1
DESCRIPTION & OPERATION			*130	JUL 01/03	01.1
1	OCT 01/88	01.101	*131	JUL 01/03	01.1
2	BLANK		*132	JUL 01/03	01.1
TESTING & TROUBLE SHOOTING			*133	JUL 01/03	01.1
*101	JUL 01/03	01.1	*134	JUL 01/03	01.1
*102	JUL 01/03	01.1	*135	JUL 01/03	01.1
*103	JUL 01/03	01.1	*136	JUL 01/03	01.1
104	NOV 01/02	01.1	*137	JUL 01/03	01.1
105	NOV 01/02	01.1	138	NOV 01/02	01.1
106	NOV 01/02	01.1	139	NOV 01/02	01.1
107	NOV 01/02	01.1	140	NOV 01/02	01.1
*108	JUL 01/03	01.1	141	NOV 01/02	01.1
*109	JUL 01/03	01.1	142	NOV 01/02	01.1
*110	JUL 01/03	01.1	143	NOV 01/02	01.1
*111	JUL 01/03	01.1	144	NOV 01/02	01.1
			*145	JUL 01/03	01.1
			146	BLANK	
			*147	JUL 01/03	01.1
			148	BLANK	
			*149	JUL 01/03	01.1
			150	BLANK	
			*151	JUL 01/03	01.1
			152	BLANK	
			*153	JUL 01/03	01.1

\* = REVISED, ADDED OR DELETED

**24-33-72**

EFFECTIVE PAGES  
CONTINUED Page 1  
01 Jul 01/03

PAGE	DATE	CODE	PAGE	DATE	CODE
TESTING & TROUBLE SHOOTING			ILLUSTRATED PARTS LIST		
		CONT.			CONT.
154	BLANK		*1030	JUL 01/03	01.1
*155	JUL 01/03	01.1	*1031	JUL 01/03	01.1
156	BLANK		*1032	JUL 01/03	01.1
*157	JUL 01/03	01.1	*1033	JUL 01/03	01.1
158	BLANK		*1034	JUL 01/03	01.1
*159	JUL 01/03	01.1	*1035	JUL 01/03	01.1
160	NOV 01/02	01.1	*1036	JUL 01/03	01.1
REPAIR-GENERAL			*1037	BLANK	
601	NOV 01/02	01.1	*1038	JUL 01/03	01.101
*602	JUL 01/03	01.1	*1039	JUL 01/03	01.1
ILLUSTRATED PARTS LIST			*1040	JUL 01/03	01.1
1001	OCT 01/88	01.101	*1041	JUL 01/03	01.1
1002	NOV 01/02	01.1	*1042	JUL 01/03	01.1
1003	NOV 01/02	01.1	*1043	JUL 01/03	01.1
*1004	JUL 01/03	01.1	*1044	JUL 01/03	01.1
*1005	JUL 01/03	01.1	*1045	JUL 01/03	01.1
*1006	JUL 01/03	01.1	*1046	BLANK	
*1007	JUL 01/03	01.1	*1047	JUL 01/03	01.101
*1008	JUL 01/03	01.1	*1048	JUL 01/03	01.101
*1009	JUL 01/03	01.1	*1049	JUL 01/03	01.101
*1010	JUL 01/03	01.1	*1050	JUL 01/03	01.101
*1011	JUL 01/03	01.1	*1051	JUL 01/03	01.101
*1012	JUL 01/03	01.1	*1052	JUL 01/03	01.101
*1013	JUL 01/03	01.1	*1053	JUL 01/03	01.101
*1014	JUL 01/03	01.1	*1054	JUL 01/03	01.101
*1015	JUL 01/03	01.1	*1055	JUL 01/03	01.101
*1016	JUL 01/03	01.1	*1056	JUL 01/03	01.101
*1017	JUL 01/03	01.1	*1057	JUL 01/03	01.101
*1018	JUL 01/03	01.1	*1058	JUL 01/03	01.101
*1019	JUL 01/03	01.1	*1059	JUL 01/03	01.101
*1020	JUL 01/03	01.1	*1060	JUL 01/03	01.101
*1021	JUL 01/03	01.1	*1061	JUL 01/03	01.101
*1022	JUL 01/03	01.101	*1062	JUL 01/03	01.101
*1023	JUL 01/03	01.1	*1063	JUL 01/03	01.101
*1024	JUL 01/03	01.101	*1064	JUL 01/03	01.101
*1025	JUL 01/03	01.101	*1065	JUL 01/03	01.101
*1026	JUL 01/03	01.101	*1066	JUL 01/03	01.101
*1027	JUL 01/03	01.1	*1067	JUL 01/03	01.101
*1028	JUL 01/03	01.1	*1068	JUL 01/03	01.101
*1029	JUL 01/03	01.1	*1069	JUL 01/03	01.1
			*1070	JUL 01/03	01.1
			*1071	JUL 01/03	01.1

\* = REVISED, ADDED OR DELETED

**24-33-72**

 EFFECTIVE PAGES  
 CONTINUED Page 2  
 01 Jul 01/03

PAGE	DATE	CODE	PAGE	DATE	CODE
ILLUSTRATED PARTS LIST		CONT.			
*1072	JUL 01/03	01.1			
*1073	JUL 01/03	01.1			
*1074	JUL 01/03	01.1			
*1075	JUL 01/03	01.1			
*1076	JUL 01/03	01.1			
*1077	JUL 01/03	01.1			
*1078	JUL 01/03	01.1			
*1079	JUL 01/03	01.1			
*1080	BLANK				

\* = REVISED, ADDED OR DELETED

**24-33-72**

EFFECTIVE PAGES  
LAST PAGE Page 3  
01 Jul 01/03



TABLE OF CONTENTS

<u>Paragraph Title</u>	<u>Page</u>
Description and Operation . . . . .	1
Testing and Trouble Shooting. . . . .	101
Disassembly . . . . .	.*[1]
Cleaning. . . . .	.*[1]
Check . . . . .	.*[1]
Repair. . . . .	601
Assembly. . . . .	.*[1]
Fits and Clearances (not applicable)	
Special Tools, Fixtures, and Equipment. . . . .	.*[2]
Illustrated Parts List. . . . .	1001

\*[1] Use applicable procedures in S0PM 20-11-05 and standard industry practices.

\*[2] Special instructions not required.

**24-33-72**

CONTENTS

Page 1

Jul 01/03

01.1



INTRODUCTION

The instructions in this manual provide the information necessary to perform maintenance functions including test, fault isolation, and replacement of defective components.

This manual is divided into separate sections:

- |                                                    |                              |
|----------------------------------------------------|------------------------------|
| 1. Title Page                                      | 4. List of Effective Pages   |
| 2. Record of Revisions                             | 5. Table of Contents         |
| 3. Temporary Revision &<br>Service Bulletin Record | 6. Introduction              |
|                                                    | 7. Procedures & IPL Sections |

Refer to the Table of Contents for the page location of applicable sections.

An explanation of the use of the Illustrated Parts List is provided in the Introduction to that section.

All weights and measurements used in the manual are in English units, unless otherwise stated. When metric equivalents are given they will be in parentheses following the English units.

Design changes, optional parts, configuration differences and Service Bulletin modifications create alternate part numbers. These are identified in the Illustrated Parts List (IPL) by adding an alphabetical character to the basic item number. The resulting item number is called an alpha-variant. Throughout the manual, IPL basic item number references also apply to alpha-variants unless otherwise indicated.

Verification:

Testing/TS -- Oct 29/82

**24-33-72**

INTRODUCTION

01.101

Page 1

Oct 01/88

BATTERY/STANDBY POWER PANEL ASSEMBLY M10062

DESCRIPTION AND OPERATION

1. Description

- A. The battery/standby power panel assembly consists of a pushbutton switch, a rotary switch and indicator lights mounted on a baseplate assembly interconnected by a wire bundle assembly with a connector on a bracket which is attached to the baseplate by standoffs.

24-33-72

DESCRIPTION & OPERATION

01.101

Page 1

Oct 01/88

TESTING AND TROUBLE SHOOTING

1. Test Equipment

- A. **Multimeter:** Any model in the Simpson 260 series of multimeters/VOMs or equivalent
- B. **Power supplies:** 28v dc, 0.50 amp.  
5v ac, 400 HZ, 0.50 amp
- C. **Test connector:** BACC45FT20-41S (Boeing breakout box A33003-2 and cable A33003-47 may be used)

2. Functional Test

- A. Connect test connector to J2.
- B. See Fig. 101 for component locations.

**NOTE:** STANDBY POWER switch, S1, on certain panels must be pressed to allow rotation to OFF.

- C. For P/N 233N3211-36, -37, -38, -300, -301, -306, -312, -317, -1036, -1037, -1038, -1300, -1301, -1306:

(1) Perform Functional Test on Fig. 102.

- D. For P/N 233N3211-39, -40, -303, -308, -309, -319, -1039, -1040, -1303, -1308, -1309:

(1) Perform Functional Test on Fig. 102A.

- E. For P/N 233N3211-41, -42, -302, -304, -307, -313, -315, -1041, -1042, -1302, -1304, -1307 and 233T3100-273, -287:

(1) Perform Functional Test on Fig. 102B.

F. For P/N 233N3211-46, -305, -316, -1046, -1305 and 233T3100-296:

(1) Perform Functional Test on Fig. 102C.

G. For P/N 233N3211-311, -321, -1311:

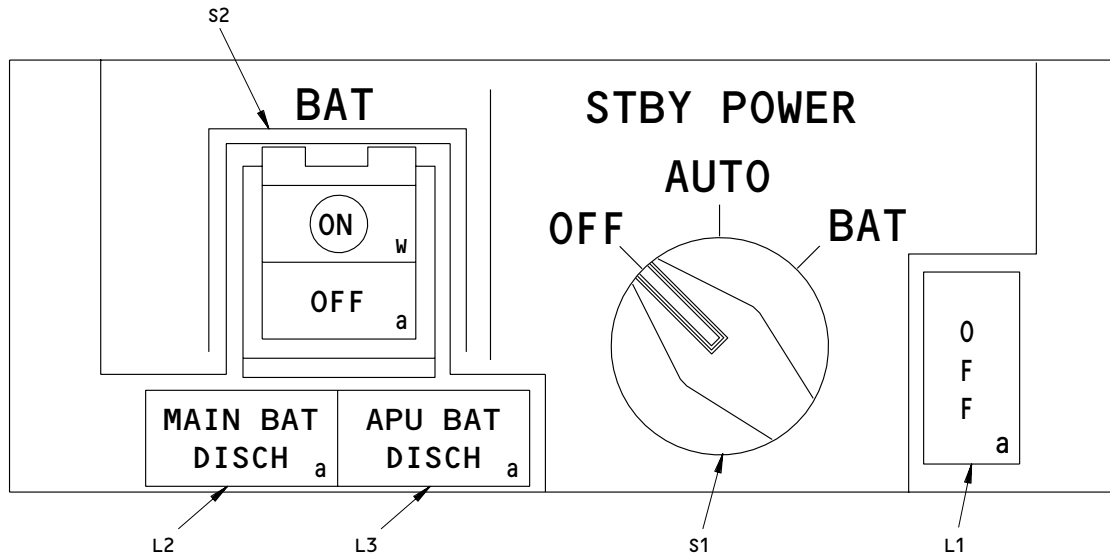
(1) Perform Functional Test on Fig. 102D.

**24-33-72**

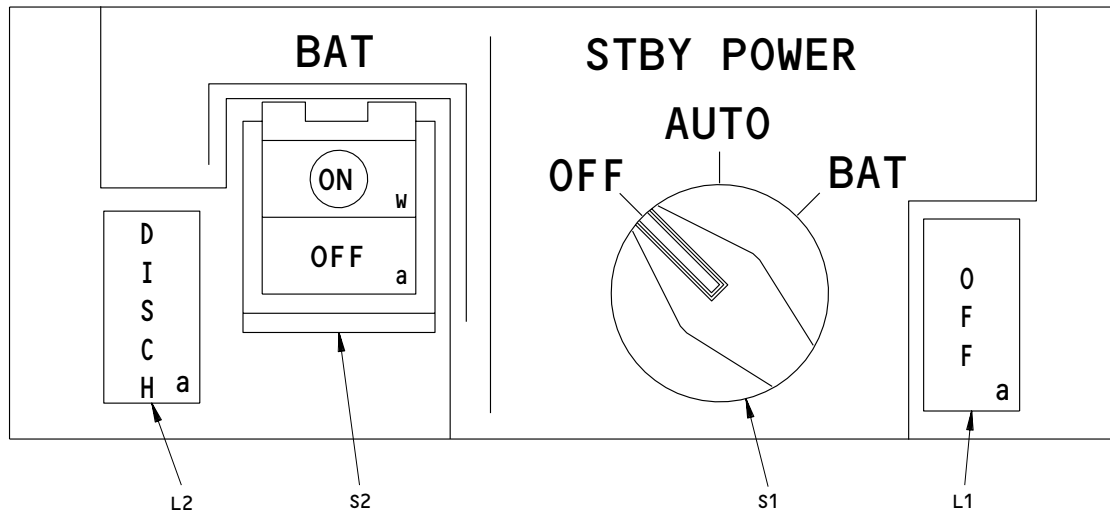
TESTING & TROUBLE SHOOTING

01.1 Page 102

Jul 01/03



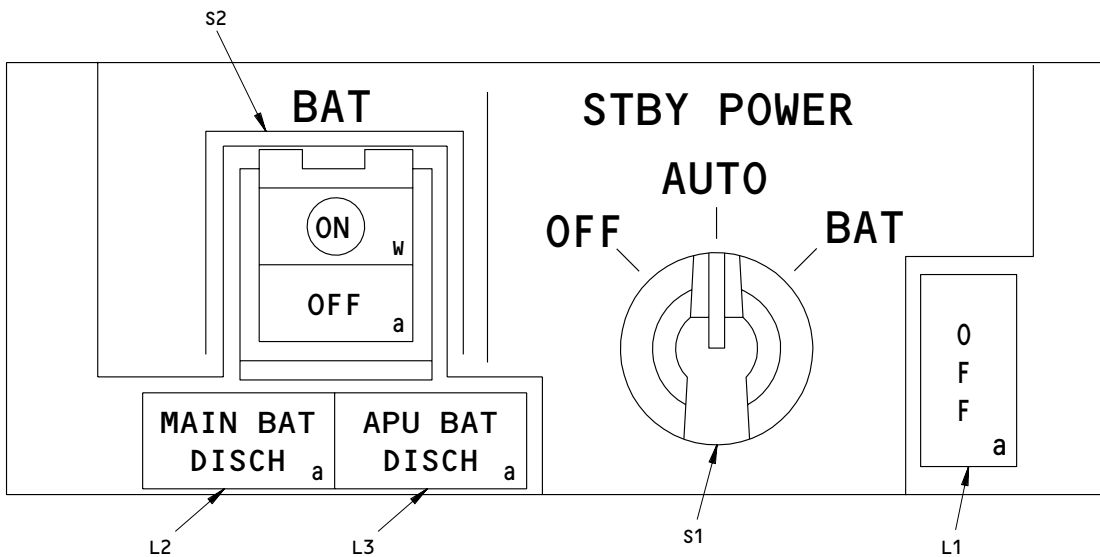
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233T3100-296



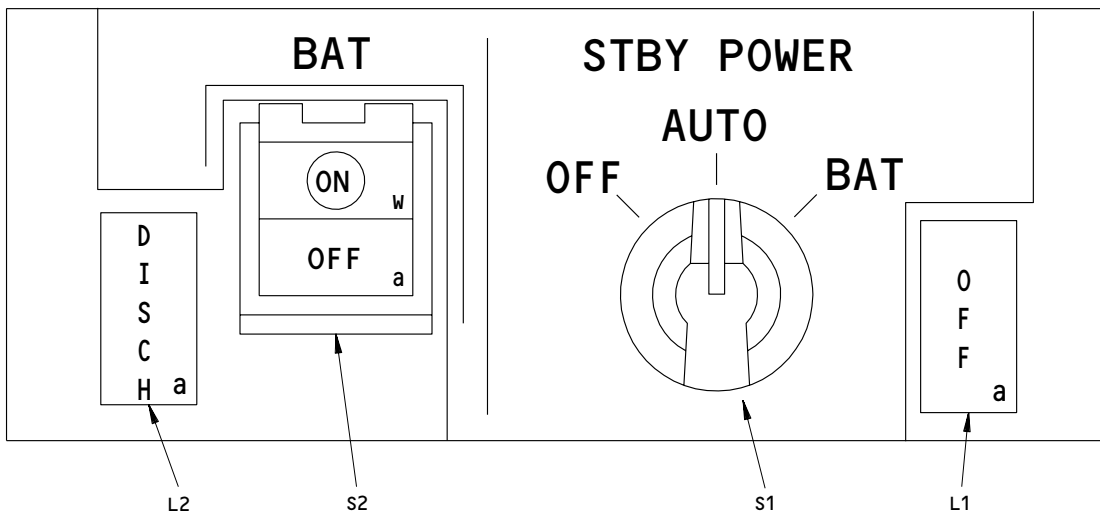
233N3211-36,-37,-38,-41,-42,-300,-301,-302,-304,-306,-307,-312,-313,-315,-317,-1036,  
-1037,-1038,-1041,-1042,-1300 THRU -1302,-1304,-1306,-1307  
233T3100-273,-287

Component Locations  
Figure 101 (Sheet 1)

**24-33-72**



233N3211-309,-1309



233N3211-311,-321,-1311

Component Locations  
 Figure 101 (Sheet 2)

**24-33-72**

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS				
	<p><b>NOTE:</b> Throughout the test, use the following definition:</p> <p>Continuity: 3 ohms max Open: 15 Kohms min</p> <p>For each of pair pins listed below, verify a continuity or open circuit between two pins when switch condition is specified:</p> <table border="1" data-bbox="342 716 846 779"> <thead> <tr> <th>First Pin</th> <th>Second Pin</th> <th>Switch No.</th> <th>Switch Condition</th> </tr> </thead> </table>	First Pin	Second Pin	Switch No.	Switch Condition		
First Pin	Second Pin	Switch No.	Switch Condition				
1	<table border="1" data-bbox="342 779 846 926"> <tbody> <tr> <td>J2-29</td> <td>J2-31</td> <td>S1</td> <td>OFF AUTO BATTERY</td> </tr> </tbody> </table>	J2-29	J2-31	S1	OFF AUTO BATTERY	<p>Open Open Continuity</p>	S1
J2-29	J2-31	S1	OFF AUTO BATTERY				
2	<table border="1" data-bbox="342 926 846 1226"> <tbody> <tr> <td>J2-35</td> <td>J2-36</td> <td>S1</td> <td>OFF AUTO BATTERY</td> </tr> </tbody> </table>	J2-35	J2-36	S1	OFF AUTO BATTERY	<p>Continuity Continuity Open</p>	S1
J2-35	J2-36	S1	OFF AUTO BATTERY				

233N3211-36, -37, -38, -300, -301, -306, -312, -317,  
-1036, -1037, -1300, -1301, -1306  
Functional Test  
Figure 102 (Sheet 1)

**24-33-72**

STEP NO.	PROCEDURE				REQUIRED RESULTS	SUSPECTED COMPONENTS
3	J2-35	J2-37	S1	OFF AUTO BATTERY	Open Open Continuity	S1
4	J2-11	J2-10	S1	OFF AUTO BATTERY	Continuity Open Open	S1
5	J2-11	J2-9	S1	OFF AUTO BATTERY	Open Continuity Open	S1
6	J2-11	J2-6	S1	OFF AUTO BATTERY	Open Open Continuity	S1
7	J2-32	J2-33	S1	OFF AUTO BATTERY	Continuity Continuity Open	S1
8	J2-32	J2-34	S1	OFF AUTO BATTERY	Open Open Continuity	S1
9	J2-12	J2-13	S1	OFF AUTO BATTERY	Continuity Continuity Open	S1

233N3211-36, -37, -38, -300, -301, -306, -312, -317,  
-1036, -1037, -1300, -1301, -1306

Functional Test  
Figure 102 (Sheet 2)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 106  
Nov 01/02



STEP NO.	PROCEDURE				REQUIRED RESULTS	SUSPECTED COMPONENTS
10	J2-12	J2-17	S1	OFF AUTO BATTERY	Open Open Continuity	S1
11	J2-22	J2-20	S1	OFF AUTO BATTERY	Continuity Continuity Open	S1
12	J2-23	J2-14	S2	ON OFF	Continuity Open	S2
13	J2-19	J2-25	S2	ON OFF	Open Continuity	S2
14	J2-19	J2-21	S2	ON OFF	Continuity Open	S2
15	J2-8	J2-15	S2	ON OFF	Continuity Open	S2
16	J2-24	J2-16	S2	ON OFF	Open Continuity	S2
17	J2-24	J2-18	S2	ON OFF	Continuity Open	S2

233N3211-36, -37, -38, -300, -301, -306, -312, -317,  
-1036, -1037, -1300, -1301, -1306

Functional Test  
Figure 102 (Sheet 3)

**24-33-72**

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS
	<u>For P/N 233N3211-36, -37, -38, -1038</u>		
	Verify the resistance between the following two pins:		
18	J2-2 Baseplate	Continuity	J1, wiring
19	J2-1 Center Post of J1	Continuity	J1, wiring
20	J2-2 J2-1	Open	J1, wiring
	<u>For ALL Assemblies</u>		
21	Apply 5 ±0.05v ac at 400 ±1 Hz to J2-1 and 5v ac return to J2-2.		
	<u>For ALL Assemblies except P/N 233N3211-36,-37, -38, -1038</u>		
22	Verify the lightplate.	Illuminate	Lightplate
	<u>For ALL Assemblies</u>		
23	Depress switch S2.		

233N3211-36, -37, -38, -300, -301, -306, -312, -317,  
-1036, -1037, -1038, -1300, -1301, -1306  
Functional Test  
Figure 102 (Sheet 4)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 108  
Jul 01/03

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS
24	Verify the display legend of switch S2.	Illuminate	S2
25	Release switch S2.		
26	Verify the display legend of switch S2.	Extinguish	S2
27	Remove 5v ac connection between J2-1 and J2-2.		
28	Apply 28 ±0.5v dc, 500 mA to J2-3.  For each pin listed below, do the following test steps (1) to (4):  (1) Connect a pin to ground.  (2) Verify the display legend of the indicator or switch specified on the second column.  (3) Remove the pin from ground.  (4) Verify the same display legend of the indicator or switch specified.	Illuminate          Off	

233N3211-36, -37, -38, -300, -301, -306, -312, -317,  
-1036, -1037, -1038, -1300, -1301, -1306

Functional Test  
Figure 102 (Sheet 5)

**24-33-72**

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS
	<u>INDICATOR/</u>		
	<u>PIN</u> <u>SWITCH</u> <u>DISPLAY LEGEND</u>		
29	J2-4      L2      DISCH S2      OFF		L2, S2
30	J2-7      L2      DISCH		L2
31	J2-25    S2      OFF		S2
32	Remove 28v dc from J2-3.		
33	Apply 28 ±0.5v dc, 500 mA to J2-14.  For each pin listed below, do the following test steps (1) to (4):  (1) Connect a pin to ground.  (2) Verify the display legend of the indicator or switch specified on the second column.  (3) Remove the pin from ground.  (4) Verify the same display legend of the indicator or switch specified.	Illuminate      Off	

233N3211-36, -37, -38, -300, -301, -306, -312, -317,  
-1036, -1037, -1038, -1300, -1301, -1306

Functional Test  
Figure 102 (Sheet 6)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1      Page 110  
Jul 01/03

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS			
	<u>INDICATOR/</u> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;"><u>PIN</u></td> <td style="width: 33%; text-align: center;"><u>SWITCH</u></td> <td style="width: 33%; text-align: center;"><u>DISPLAY LEGEND</u></td> </tr> </table>	<u>PIN</u>	<u>SWITCH</u>	<u>DISPLAY LEGEND</u>		
<u>PIN</u>	<u>SWITCH</u>	<u>DISPLAY LEGEND</u>				
34	J2-4          L1          OFF		L1			
35	J2-5          L1          OFF		L1			
36	<p>Remove 28v dc from J2-14.</p> <p>For each data line listed below, do the following test steps (1) to (5):</p> <p>(1) Connect a pin on the first column to ground.</p> <p>(2) Apply 28 ±0.5v dc, 500 mA to a pin on the second column.</p> <p>(3) Verify the display legend of the indicator or switch specified on the second column.</p> <p>(4) Remove 28v dc from the pin listed on the second column.</p> <p>(5) Remove ground from the pin listed on the first column.</p>	Off				

233N3211-36, -37, -38, -300, -301, -306, -312, -317,  
-1036, -1037, -1038, -1300, -1301, -1306

Functional Test  
Figure 102 (Sheet 7)

**24-33-72**

STEP NO.	PROCEDURE				REQUIRED RESULTS	SUSPECTED COMPONENTS
	<u>PIN</u>	<u>PIN</u>	<u>INDICATOR/ SWITCH</u>	<u>DISPLAY LEGEND</u>		
37	J2-3	J2-4	L2 S2	DISCH OFF		L2, S2
38	J2-3	J2-7	L2	DISCH		L2
39	J2-3	J2-25	S2	OFF		S2
40	J2-14	J2-4	L1	OFF		L1
41	J2-14	J2-5	L1	OFF		L1
42	Remove all connections.					
	END OF TEST					

233N3211-36, -37, -38, -300, -301, -306, -312, -317,  
-1036, -1037, -1038, -1300, -1301, -1306

Functional Test  
Figure 102 (Sheet 8)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 112  
Jul 01/03

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS				
	<p><b>NOTE:</b> Throughout the test, use the following definition:</p> <p>Continuity: 3 ohms max Open: 15 Kohms min</p> <p>For each of pair pins listed below, verify a continuity or open circuit between two pins when switch condition is specified:</p> <table border="1" data-bbox="350 716 839 779"> <thead> <tr> <th>First Pin</th> <th>Second Pin</th> <th>Switch No.</th> <th>Switch Condition</th> </tr> </thead> </table>	First Pin	Second Pin	Switch No.	Switch Condition		
First Pin	Second Pin	Switch No.	Switch Condition				
1	<table border="1" data-bbox="350 810 839 905"> <tbody> <tr> <td>J2-29</td> <td>J2-31</td> <td>S1</td> <td>OFF AUTO BATTERY</td> </tr> </tbody> </table>	J2-29	J2-31	S1	OFF AUTO BATTERY	<p>Open Open Continuity</p>	S1
J2-29	J2-31	S1	OFF AUTO BATTERY				
2	<table border="1" data-bbox="350 936 839 1031"> <tbody> <tr> <td>J2-35</td> <td>J2-36</td> <td>S1</td> <td>OFF AUTO BATTERY</td> </tr> </tbody> </table>	J2-35	J2-36	S1	OFF AUTO BATTERY	<p>Continuity Continuity Open</p>	S1
J2-35	J2-36	S1	OFF AUTO BATTERY				

233N3211-39, -40, -303, -308, -309, -319, -1039, -1040, -1303, -1308, -1309  
Functional Test  
Figure 102A (Sheet 1)

**24-33-72**

STEP NO.	PROCEDURE				REQUIRED RESULTS	SUSPECTED COMPONENTS
3	J2-35	J2-37	S1	OFF AUTO BATTERY	Open Open Continuity	S1
4	J2-11	J2-10	S1	OFF AUTO BATTERY	Continuity Open Open	S1
5	J2-11	J2-9	S1	OFF AUTO BATTERY	Open Continuity Open	S1
6	J2-11	J2-6	S1	OFF AUTO BATTERY	Open Open Continuity	S1
7	J2-32	J2-33	S1	OFF AUTO BATTERY	Continuity Continuity Open	S1
8	J2-32	J2-34	S1	OFF AUTO BATTERY	Open Open Continuity	S1
9	J2-12	J2-13	S1	OFF AUTO BATTERY	Continuity Continuity Open	S1

233N3211-39, -40, -303, -308, -309, -319, -1039, -1040, -1303, -1308, -1309  
Functional Test  
Figure 102A (Sheet 2)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 114  
Jul 01/03



STEP NO.	PROCEDURE				REQUIRED RESULTS	SUSPECTED COMPONENTS
10	J2-12	J2-17	S1	OFF AUTO BATTERY	Open Open Continuity	S1
11	J2-22	J2-20	S1	OFF AUTO BATTERY	Continuity Continuity Open	S1
12	J2-23	J2-14	S2	ON OFF	Continuity Open	S2
13	J2-19	J2-25	S2	ON OFF	Open Continuity	S2
14	J2-19	J2-21	S2	ON OFF	Continuity Open	S2
15	J2-8	J2-15	S2	ON OFF	Continuity Open	S2
16	J2-24	J2-16	S2	ON OFF	Open Continuity	S2
17	J2-24	J2-18	S2	ON OFF	Continuity Open	S2

233N3211-39, -40, -303, -308, -309, -319, -1039, -1040, -1303, -1308, -1309  
Functional Test  
Figure 102A (Sheet 3)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 115  
Jul 01/03

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS
	<u>For P/N 233N3211-39,-40,-1039,-1040</u>		
	Verify the resistance between the following two pins:		
18	J2-2 Baseplate	Continuity	J1, wiring
19	J2-1 Center Post of J1	Continuity	J1, wiring
20	J2-2 J2-1	Open	J1, wiring
	<u>For ALL Assemblies</u>		
21	Apply 5 ±0.05v ac at 400 ±1 Hz to J2-1 and 5v ac return to J2-2.		
	<u>For ALL Assemblies except P/N 233N3211-39,-40,-1039,-1040</u>		
22	Verify the lightplate.	Illuminate	Lightplate
	<u>For ALL Assemblies</u>		
23	Depress switch S2.		

233N3211-39, -40, -303, -308, -309, -319, -1039, -1040, -1303, -1308, -1309  
Functional Test  
Figure 102A (Sheet 4)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 116  
Jul 01/03

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS
24	Verify the display legend of switch S2.	Illuminate	S2
25	Release switch S2.		
26	Verify the display legend of switch S2.	Extinguish	S2
27	Remove 5v ac connection between J2-1 and J2-2.		
28	Apply 28 ±0.5v dc, 500 mA to J2-3.  For each pin listed below, do the following test steps (1) to (4):  (1) Connect a pin to ground.  (2) Verify the display legend of the indicator or switch specified on the second column.  (3) Remove the pin from ground.  (4) Verify the same display legend of the indicator or switch specified.	Illuminate          Off	

233N3211-39, -40, -303, -308, -309, -319, -1039, -1040, -1303, -1308, -1309  
Functional Test  
Figure 102A (Sheet 5)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 117  
Jul 01/03

STEP NO.	PROCEDURE			REQUIRED RESULTS	SUSPECTED COMPONENTS
	<u>INDICATOR/</u>				
	<u>PIN</u>	<u>SWITCH</u>	<u>DISPLAY LEGEND</u>		
29	J2-4	L2 L3 S2	DISCH APU BAT DISCH OFF		L2, L3, S2
30	J2-7	L2	MAIN BAT DISCH		L2
31	J2-38	L3	APU BAT DISCH		L3
32	J2-25	S2	OFF		S2
33	Remove 28v dc from J2-3.				
34	Apply 28 ±0.5v dc, 500 mA to J2-14.				
	For each pin listed below, do the following test steps (1) to (4):				
	(1) Connect a pin to ground.				

233N3211-39, -40, -303, -308, -309, -319, -1039, -1040, -1303, -1308, -1309  
Functional Test  
Figure 102A (Sheet 6)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 118  
Jul 01/03

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS									
	<p>(2) Verify the display legend of the indicator or switch specified on the second column.</p> <p>(3) Remove the pin from ground.</p> <p>(4) Verify the same display legend of the indicator or switch specified.</p> <p style="text-align: center;"><u>INDICATOR/</u></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th><u>PIN</u></th> <th><u>SWITCH</u></th> <th><u>DISPLAY LEGEND</u></th> </tr> </thead> <tbody> <tr> <td>J2-4</td> <td>L1</td> <td>OFF</td> </tr> <tr> <td>J2-5</td> <td>L1</td> <td>OFF</td> </tr> </tbody> </table> <p>35</p> <p>36</p> <p>37</p> <p>Remove 28v dc from J2-14.</p> <p>For each data line listed below, do the following test steps (1) to (5):</p> <p>(1) Connect a pin on the first column to ground.</p> <p>(2) Apply 28 ±0.5v dc, 500 mA to a pin on the second column.</p>	<u>PIN</u>	<u>SWITCH</u>	<u>DISPLAY LEGEND</u>	J2-4	L1	OFF	J2-5	L1	OFF	<p>Illuminate</p> <p>Off</p>	<p>L1</p> <p>L1</p>
<u>PIN</u>	<u>SWITCH</u>	<u>DISPLAY LEGEND</u>										
J2-4	L1	OFF										
J2-5	L1	OFF										

233N3211-39, -40, -303, -308, -309, -319, -1039, -1040, -1303, -1308, -1309  
Functional Test  
Figure 102A (Sheet 7)

**24-33-72**

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS																												
	(3) Verify the display legend of the indicator or switch specified on the second column.	Off																													
	(4) Remove 28v dc from the pin listed on the second column.																														
	(5) Remove ground from the pin listed on the first column.																														
	<table border="1"> <thead> <tr> <th><u>PIN</u></th> <th><u>PIN</u></th> <th><u>INDICATOR/ SWITCH</u></th> <th><u>DISPLAY LEGEND</u></th> </tr> </thead> <tbody> <tr> <td>38</td> <td>J2-3</td> <td>J2-4</td> <td>L2 MAIN BAT DISCH</td> </tr> <tr> <td></td> <td></td> <td></td> <td>L3 APU BAT DISCH</td> </tr> <tr> <td></td> <td></td> <td></td> <td>S2 OFF</td> </tr> <tr> <td>39</td> <td>J2-3</td> <td>J2-7</td> <td>L2 MAIN BAT DISCH</td> </tr> <tr> <td>40</td> <td>J2-3</td> <td>J2-38</td> <td>L3 APU BAT DISCH</td> </tr> <tr> <td>41</td> <td>J2-3</td> <td>J2-25</td> <td>S2 OFF</td> </tr> </tbody> </table>	<u>PIN</u>	<u>PIN</u>	<u>INDICATOR/ SWITCH</u>	<u>DISPLAY LEGEND</u>	38	J2-3	J2-4	L2 MAIN BAT DISCH				L3 APU BAT DISCH				S2 OFF	39	J2-3	J2-7	L2 MAIN BAT DISCH	40	J2-3	J2-38	L3 APU BAT DISCH	41	J2-3	J2-25	S2 OFF		
<u>PIN</u>	<u>PIN</u>	<u>INDICATOR/ SWITCH</u>	<u>DISPLAY LEGEND</u>																												
38	J2-3	J2-4	L2 MAIN BAT DISCH																												
			L3 APU BAT DISCH																												
			S2 OFF																												
39	J2-3	J2-7	L2 MAIN BAT DISCH																												
40	J2-3	J2-38	L3 APU BAT DISCH																												
41	J2-3	J2-25	S2 OFF																												

233N3211-39, -40, -303, -308, -309, -319, -1039, -1040, -1303, -1308, -1309  
Functional Test  
Figure 102A (Sheet 8)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 120  
Jul 01/03

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS								
	<table border="0"> <tr> <td><u>PIN</u></td> <td><u>PIN</u></td> <td><u>INDICATOR/</u></td> <td><u>DISPLAY</u></td> </tr> <tr> <td></td> <td></td> <td><u>SWITCH</u></td> <td><u>LEGEND</u></td> </tr> </table>	<u>PIN</u>	<u>PIN</u>	<u>INDICATOR/</u>	<u>DISPLAY</u>			<u>SWITCH</u>	<u>LEGEND</u>		
<u>PIN</u>	<u>PIN</u>	<u>INDICATOR/</u>	<u>DISPLAY</u>								
		<u>SWITCH</u>	<u>LEGEND</u>								
42	J2-14 J2-4 L1 OFF		L1								
43	J2-14 J2-5 L1 OFF		L1								
44	Remove all connections.										
	END OF TEST										

233N3211-39, -40, -303, -308, -309, -319, -1039, -1040, -1303, -1308, -1309  
Functional Test  
Figure 102A (Sheet 9)

**24-33-72**

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS				
	<p><b>NOTE:</b> Throughout the test, use the following definition:</p> <p>Continuity: 3 ohms max Open: 15 Kohms min</p> <p>For each of pair pins listed below, verify a continuity or open circuit between two pins when switch condition is specified:</p> <table border="1" data-bbox="300 716 795 779"> <thead> <tr> <th>First Pin</th> <th>Second Pin</th> <th>Switch No.</th> <th>Switch Condition</th> </tr> </thead> </table>	First Pin	Second Pin	Switch No.	Switch Condition		
First Pin	Second Pin	Switch No.	Switch Condition				
1	<table border="1" data-bbox="300 810 795 905"> <tbody> <tr> <td>J2-27</td> <td>J2-26</td> <td>S1</td> <td>OFF AUTO BATTERY</td> </tr> </tbody> </table>	J2-27	J2-26	S1	OFF AUTO BATTERY	Open Open Continuity	S1
J2-27	J2-26	S1	OFF AUTO BATTERY				
2	<table border="1" data-bbox="300 940 795 1035"> <tbody> <tr> <td>J2-29</td> <td>J2-31</td> <td>S1</td> <td>OFF AUTO BATTERY</td> </tr> </tbody> </table>	J2-29	J2-31	S1	OFF AUTO BATTERY	Open Open Continuity	S1
J2-29	J2-31	S1	OFF AUTO BATTERY				

233N3211-41, -42, -302, -304, -307, -313, -315,  
-1041, -1042, -1302, -1304, -1307  
233T3100-273, -287

Functional Test  
Figure 102B (Sheet 1)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 122  
Jul 01/03



STEP NO.	PROCEDURE				REQUIRED RESULTS	SUSPECTED COMPONENTS
3	J2-11	J2-10	S1	OFF AUTO BATTERY	Continuity Open Open	S1
4	J2-11	J2-9	S1	OFF AUTO BATTERY	Open Continuity Open	S1
5	J2-11	J2-6	S1	OFF AUTO BATTERY	Open Open Continuity	S1
6	J2-32	J2-33	S1	OFF AUTO BATTERY	Continuity Continuity Open	S1
7	J2-32	J2-34	S1	OFF AUTO BATTERY	Open Open Continuity	S1
8	J2-12	J2-13	S1	OFF AUTO BATTERY	Continuity Continuity Open	S1

233N3211-41, -42, -302, -304, -307, -313, -315,  
-1041, -1042, -1302, -1304, -1307  
233T3100-273, -287

Functional Test  
Figure 102B (Sheet 2)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 123  
Jul 01/03

STEP NO.	PROCEDURE				REQUIRED RESULTS	SUSPECTED COMPONENTS
9	J2-12	J2-17	S1	OFF AUTO BATTERY	Open Open Continuity	S1
10	J2-22	J2-20	S1	OFF AUTO BATTERY	Continuity Continuity Open	S1
11	J2-23	J2-14	S2	ON OFF	Continuity Open	S2
12	J2-19	J2-25	S2	ON OFF	Open Continuity	S2
13	J2-19	J2-21	S2	ON OFF	Continuity Open	S2
14	J2-8	J2-15	S2	ON OFF	Continuity Open	S2
15	J2-24	J2-16	S2	ON OFF	Open Continuity	S2
16	J2-24	J2-18	S2	ON OFF	Continuity Open	S2

233N3211-41, -42, -302, -304, -307, -313, -315,  
-1041, -1042, -1302, -1304, -1307  
233T3100-273, -287

Functional Test  
Figure 102B (Sheet 3)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 124  
Jul 01/03

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS
	<u>For P/N 233N3211-41, -42, -1041, -1042</u>		
	Verify the resistance between the following two pins:		
17	J2-2 Baseplate	Continuity	J1, wiring
18	J2-1 Center Post of J1	Continuity	J1, wiring
19	J2-2 J2-1	Open	J1, wiring
	<u>For ALL Assemblies</u>		
20	Apply 5 ±0.05v ac at 400 ±1 Hz to J2-1 and 5v ac return to J2-2.		
	<u>For ALL Assemblies except P/N 233N3211-41, -42, -1041, -1042</u>		
21	Verify the lightplate.	Illuminate	Lightplate
	<u>For ALL Assemblies</u>		
22	Depress switch S2.		

233N3211-41, -42, -302, -304, -307, -313, -315,  
-1041, -1042, -1302, -1304, -1307  
233T3100-273, -287

Functional Test  
Figure 102B (Sheet 4)

**24-33-72**

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS
23	Verify the display legend of switch S2.	Illuminate	S2
24	Release switch S2.		
25	Verify the display legend of switch S2.	Extinguish	S2
26	Remove 5v ac connection between J2-1 and J2-2.		
27	Apply 28 ±0.5v dc, 500 mA to J2-3.  For each pin listed below, do the following test steps (1) to (4):  (1) Connect a pin to ground.  (2) Verify the display legend of the indicator or switch specified on the second column.  (3) Remove the pin from ground.  (4) Verify the same display legend of the indicator or switch specified.	Illuminate          Off	

233N3211-41, -42, -302, -304, -307, -313, -315,  
-1041, -1042, -1302, -1304, -1307  
233T3100-273, -287

Functional Test  
Figure 102B (Sheet 5)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 126  
Jul 01/03

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS
	<u>INDICATOR/ PIN SWITCH DISPLAY LEGEND</u>		
28	J2-4 L2 DISCH S2 OFF		L2, S2
29	J2-7 L2 DISCH		L2
30	J2-25 S2 OFF		S2
31	Remove 28v dc from J2-3.		
32	Apply 28 ±0.5v dc, 500 mA to J2-14.  For each pin listed below, do the following test steps (1) to (4):  (1) Connect a pin to ground.  (2) Verify the display legend of the indicator or switch specified on the second column.  (3) Remove the pin from ground.  (4) Verify the same display legend of the indicator or switch specified.	Illuminate        Off	

233N3211-41, -42, -302, -304, -307, -313, -315,  
-1041, -1042, -1302, -1304, -1307  
233T3100-273, -287

Functional Test  
Figure 102B (Sheet 6)

**24-33-72**

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS
	<u>INDICATOR/</u> <u>PIN</u> <u>SWITCH</u> <u>DISPLAY LEGEND</u>		
33	J2-4      L1      OFF		L1
34	J2-5      L1      OFF		L1
35	Remove 28v dc from J2-14.  For each data line listed below, do the following test steps (1) to (5):  (1) Connect a pin on the first column to ground.  (2) Apply 28 ±0.5v dc, 500 mA to a pin on the second column.  (3) Verify the display legend of the indicator or switch specified on the second column.  (4) Remove 28v dc from the pin listed on the second column.  (5) Remove ground from the pin listed on the first column.		

233N3211-41, -42, -302, -304, -307, -313, -315,  
-1041, -1042, -1302, -1304, -1307  
233T3100-273, -287

Functional Test  
Figure 102B (Sheet 7)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 128  
Jul 01/03

STEP NO.	PROCEDURE				REQUIRED RESULTS	SUSPECTED COMPONENTS
	<u>PIN</u>	<u>PIN</u>	<u>INDICATOR/ SWITCH</u>	<u>DISPLAY LEGEND</u>		
36	J2-3	J2-4	L2 S2	DISCH OFF		L2, S2
37	J2-3	J2-7	L2	DISCH		L2
38	J2-3	J2-25	S2	OFF		S2
39	J2-14	J2-4	L1	OFF		L1
40	J2-14	J2-5	L1	OFF		L1
41	Remove all connections.					
	END OF TEST					

233N3211-41, -42, -302, -304, -307, -313, -315,  
-1041, -1042, -1302, -1304, -1307  
233T3100-273, -287

Functional Test  
Figure 102B (Sheet 8)

**24-33-72**

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS				
	<p><b>NOTE:</b> Throughout the test, use the following definition:</p> <p>Continuity: 3 ohms max Open: 15 Kohms min</p> <p>For each of pair pins listed below, verify a continuity or open circuit between two pins when switch condition is specified:</p> <table border="1"> <thead> <tr> <th>First Pin</th> <th>Second Pin</th> <th>Switch No.</th> <th>Switch Condition</th> </tr> </thead> </table>	First Pin	Second Pin	Switch No.	Switch Condition		
First Pin	Second Pin	Switch No.	Switch Condition				
1	<table border="1"> <tbody> <tr> <td>J2-29</td> <td>J2-31</td> <td>S1</td> <td>OFF AUTO BATTERY</td> </tr> </tbody> </table>	J2-29	J2-31	S1	OFF AUTO BATTERY	Open Open Continuity	S1
J2-29	J2-31	S1	OFF AUTO BATTERY				
2	<table border="1"> <tbody> <tr> <td>J2-35</td> <td>J2-39</td> <td>S1</td> <td>OFF AUTO BATTERY</td> </tr> </tbody> </table>	J2-35	J2-39	S1	OFF AUTO BATTERY	Continuity Open Open	S1
J2-35	J2-39	S1	OFF AUTO BATTERY				

233N3211-46, -305, -316, -1046 -1305  
233T3100-296

Functional Test  
Figure 102C (Sheet 1)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 130  
Jul 01/03



STEP NO.	PROCEDURE				REQUIRED RESULTS	SUSPECTED COMPONENTS
3	J2-35	J2-36	S1	OFF AUTO BATTERY	Open Continuity Open	S1
4	J2-35	J2-37	S1	OFF AUTO BATTERY	Open Open Continuity	S1
5	J2-11	J2-10	S1	OFF AUTO BATTERY	Continuity Open Open	S1
6	J2-11	J2-9	S1	OFF AUTO BATTERY	Open Continuity Open	S1
7	J2-11	J2-6	S1	OFF AUTO BATTERY	Open Open Continuity	S1
8	J2-32	J2-33	S1	OFF AUTO BATTERY	Continuity Continuity Open	S1

233N3211-46, -305, -316, -1046 -1305  
233T3100-296

Functional Test  
Figure 102C (Sheet 2)

**24-33-72**

STEP NO.	PROCEDURE				REQUIRED RESULTS	SUSPECTED COMPONENTS
9	J2-32	J2-34	S1	OFF AUTO BATTERY	Open Open Continuity	S1
10	J2-12	J2-13	S1	OFF AUTO BATTERY	Continuity Continuity Open	S1
11	J2-12	J2-17	S1	OFF AUTO BATTERY	Open Open Continuity	S1
12	J2-22	J2-20	S1	OFF AUTO BATTERY	Continuity Continuity Open	S1
13	J2-23	J2-14	S2	ON OFF	Continuity Open	S2
14	J2-19	J2-25	S2	ON OFF	Open Continuity	S2
15	J2-19	J2-21	S2	ON OFF	Continuity Open	S2
16	J2-8	J2-15	S2	ON OFF	Continuity Open	S2
17	J2-24	J2-16	S2	ON OFF	Open Continuity	S2
18	J2-24	J2-18	S2	ON OFF	Continuity Open	S2

233N3211-46, -305, -316, -1046 -1305  
233T3100-296

Functional Test  
Figure 102C (Sheet 3)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 132  
Jul 01/03

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS
	<u>For P/N 233N3211-46,-1046</u>		
	Verify the resistance between the following two pins:		
19	J2-2 Baseplate	Continuity	J1, wiring
20	J2-1 Center Post of J1	Continuity	J1, wiring
21	J2-2 J2-1	Open	J1, wiring
	<u>For ALL Assemblies</u>		
22	Apply 5 ±0.05v ac at 400 ±1 Hz to J2-1 and 5v ac return to J2-2.		
	<u>For ALL Assemblies except P/N 233N3211-46,-1046</u>		
23	Verify the lightplate.	Illuminate	Lightplate
	<u>For ALL Assemblies</u>		
24	Depress switch S2.		

233N3211-46, -305, -316, -1046 -1305  
233T3100-296

Functional Test  
Figure 102C (Sheet 4)

**24-33-72**

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS
25	Verify the display legend of switch S2.	Illuminate	S2
26	Release switch S2.		
27	Verify the display legend of switch S2.	Extinguish	S2
28	Remove 5v ac connection between J2-1 and J2-2.		
29	Apply 28 ±0.5v dc, 500 mA to J2-3.  For each pin listed below, do the following test steps (1) to (4):  (1) Connect a pin to ground.  (2) Verify the display legend of the indicator or switch specified on the second column.  (3) Remove the pin from ground.  (4) Verify the same display legend of the indicator or switch specified.	Illuminate          Off	

233N3211-46, -305, -316, -1046 -1305  
233T3100-296

Functional Test  
Figure 102C (Sheet 5)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 134  
Jul 01/03

STEP NO.	PROCEDURE			REQUIRED RESULTS	SUSPECTED COMPONENTS															
	<p style="text-align: center;"><u>INDICATOR/</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;"><u>PIN</u></th> <th style="width: 20%;"><u>SWITCH</u></th> <th style="width: 60%;"><u>DISPLAY LEGEND</u></th> </tr> </thead> <tbody> <tr> <td>J2-4</td> <td>L2 S2</td> <td>MAIN BAT DISCH OFF</td> </tr> <tr> <td>J2-7</td> <td>L2</td> <td>MAIN BAT DISCH</td> </tr> <tr> <td>J2-38</td> <td>L3</td> <td>APU BAT DISCH</td> </tr> <tr> <td>J2-25</td> <td>S2</td> <td>OFF</td> </tr> </tbody> </table>			<u>PIN</u>	<u>SWITCH</u>	<u>DISPLAY LEGEND</u>	J2-4	L2 S2	MAIN BAT DISCH OFF	J2-7	L2	MAIN BAT DISCH	J2-38	L3	APU BAT DISCH	J2-25	S2	OFF		
<u>PIN</u>	<u>SWITCH</u>	<u>DISPLAY LEGEND</u>																		
J2-4	L2 S2	MAIN BAT DISCH OFF																		
J2-7	L2	MAIN BAT DISCH																		
J2-38	L3	APU BAT DISCH																		
J2-25	S2	OFF																		
30					L2, L3, S2															
31					L2															
32					L3															
33					S2															
34	Remove 28v dc from J2-3.																			
35	Apply 28 ±0.5v dc, 500 mA to J2-14.																			
	For each pin listed below, do the following test steps (1) to (4):																			
	(1) Connect a pin to ground.																			
	(2) Verify the display legend of the indicator or switch specified on the second column.			Illuminate																

233N3211-46, -305, -316, -1046 -1305  
233T3100-296

Functional Test  
Figure 102C (Sheet 6)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 135  
Jul 01/03

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS
	(3) Remove the pin from ground.		
	(4) Verify the same display legend of the indicator or switch specified.	Off	
	<u>INDICATOR/</u>		
	<u>PIN      SWITCH      DISPLAY LEGEND</u>		
36	J2-4      L1      OFF		L1
37	J2-5      L1      OFF		L1
38	Remove 28v dc from J2-14.		
	For each data line listed below, do the following test steps (1) to (5):		
	(1) Connect a pin on the first column to ground.		
	(2) Apply 28 ±0.5v dc, 500 mA to a pin on the second column.		
	(3) Verify the display legend of the indicator or switch specified on the second column.	Off	

233N3211-46, -305, -316, -1046 -1305  
233T3100-296

Functional Test  
Figure 102C (Sheet 7)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 136  
Jul 01/03

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS																																												
	(4) Remove 28v dc from the pin listed on the second column.																																														
	(5) Remove ground from the pin listed on the first column.																																														
	<table border="1"> <thead> <tr> <th><u>PIN</u></th> <th><u>PIN</u></th> <th><u>INDICATOR/ SWITCH</u></th> <th><u>DISPLAY LEGEND</u></th> </tr> </thead> <tbody> <tr> <td>39</td> <td>J2-3 J2-4</td> <td>L2</td> <td>MAIN BAT DISCH</td> </tr> <tr> <td></td> <td></td> <td>L3</td> <td>APU BAT DISCH</td> </tr> <tr> <td></td> <td></td> <td>S2</td> <td>OFF</td> </tr> <tr> <td>40</td> <td>J2-3 J2-7</td> <td>L2</td> <td>MAIN BAT DISCH</td> </tr> <tr> <td>41</td> <td>J2-3 J2-38</td> <td>L3</td> <td>APU BAT DISCH</td> </tr> <tr> <td>42</td> <td>J2-3 J2-25</td> <td>S2</td> <td>OFF</td> </tr> <tr> <td>43</td> <td>J2-14 J2-4</td> <td>L1</td> <td>OFF</td> </tr> <tr> <td>44</td> <td>J2-14 J2-5</td> <td>L1</td> <td>OFF</td> </tr> <tr> <td>45</td> <td colspan="3">Remove all connections.</td> </tr> <tr> <td></td> <td colspan="3">END OF TEST</td> </tr> </tbody> </table>	<u>PIN</u>	<u>PIN</u>	<u>INDICATOR/ SWITCH</u>	<u>DISPLAY LEGEND</u>	39	J2-3 J2-4	L2	MAIN BAT DISCH			L3	APU BAT DISCH			S2	OFF	40	J2-3 J2-7	L2	MAIN BAT DISCH	41	J2-3 J2-38	L3	APU BAT DISCH	42	J2-3 J2-25	S2	OFF	43	J2-14 J2-4	L1	OFF	44	J2-14 J2-5	L1	OFF	45	Remove all connections.				END OF TEST				L2, L3, S2
<u>PIN</u>	<u>PIN</u>	<u>INDICATOR/ SWITCH</u>	<u>DISPLAY LEGEND</u>																																												
39	J2-3 J2-4	L2	MAIN BAT DISCH																																												
		L3	APU BAT DISCH																																												
		S2	OFF																																												
40	J2-3 J2-7	L2	MAIN BAT DISCH																																												
41	J2-3 J2-38	L3	APU BAT DISCH																																												
42	J2-3 J2-25	S2	OFF																																												
43	J2-14 J2-4	L1	OFF																																												
44	J2-14 J2-5	L1	OFF																																												
45	Remove all connections.																																														
	END OF TEST																																														
			L2																																												
			L3																																												
			S2																																												
			L1																																												
			L1																																												

233N3211-46, -305, -316, -1046 -1305  
233T3100-296

Functional Test  
Figure 102C (Sheet 8)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 137  
Jul 01/03

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS				
	<p><b>NOTE:</b> Through out the test, use the following definition:</p> <p>Continuity: 3 ohms max Open: 15 Kohms min</p> <p>For each of pair pins listed below, verify a continuity or open circuit between two pins when switch condition is specified:</p> <table border="1" data-bbox="300 716 795 779"> <thead> <tr> <th>First Pin</th> <th>Second Pin</th> <th>Switch No.</th> <th>Switch Condition</th> </tr> </thead> </table>	First Pin	Second Pin	Switch No.	Switch Condition		
First Pin	Second Pin	Switch No.	Switch Condition				
1	<table border="1" data-bbox="300 814 795 909"> <tbody> <tr> <td>J2-27</td> <td>J2-26</td> <td>S1</td> <td>OFF AUTO BATTERY</td> </tr> </tbody> </table>	J2-27	J2-26	S1	OFF AUTO BATTERY	Open Open Continuity	S1
J2-27	J2-26	S1	OFF AUTO BATTERY				
2	<table border="1" data-bbox="300 940 795 1035"> <tbody> <tr> <td>J2-29</td> <td>J2-31</td> <td>S1</td> <td>OFF AUTO BATTERY</td> </tr> </tbody> </table>	J2-29	J2-31	S1	OFF AUTO BATTERY	Open Open Continuity	S1
J2-29	J2-31	S1	OFF AUTO BATTERY				

233N3211-311, -321, -1311  
Functional Test  
Figure 102D (Sheet 1)

**24-33-72**



STEP NO.	PROCEDURE				REQUIRED RESULTS	SUSPECTED COMPONENTS
3	J2-11	J2-10	S1	OFF AUTO BATTERY	Continuity Open Open	S1
4	J2-11	J2-9	S1	OFF AUTO BATTERY	Open Continuity Open	S1
5	J2-11	J2-6	S1	OFF AUTO BATTERY	Open Open Continuity	S1
6	J2-32	J2-33	S1	OFF AUTO BATTERY	Continuity Continuity Open	S1
7	J2-32	J2-34	S1	OFF AUTO BATTERY	Open Open Continuity	S1
8	J2-12	J2-13	S1	OFF AUTO BATTERY	Continuity Continuity Open	S1

233N3211-311, -321, -1311  
Functional Test  
Figure 102D (Sheet 2)

**24-33-72**

STEP NO.	PROCEDURE				REQUIRED RESULTS	SUSPECTED COMPONENTS
9	J2-12	J2-17	S1	OFF AUTO BATTERY	Open Open Continuity	S1
10	J2-22	J2-20	S1	OFF AUTO BATTERY	Continuity Continuity Open	S1
11	J2-23	J2-14	S2	ON OFF	Continuity Open	S2
12	J2-19	J2-25	S2	ON OFF	Open Continuity	S2
13	J2-19	J2-21	S2	ON OFF	Continuity Open	S2
14	J2-8	J2-15	S2	ON OFF	Continuity Open	S2
15	J2-24	J2-16	S2	ON OFF	Open Continuity	S2
16	J2-24	J2-18	S2	ON OFF	Continuity Open	S2

233N3211-311, -321, -1311  
Functional Test  
Figure 102D (Sheet 3)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 140  
Nov 01/02

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS
17	Apply 5 ±0.05v ac at 400 ±1 Hz to J2-1 and 5v ac return to J2-2.		
18	Verify the lightplate.	Illuminate	Lightplate
19	Depress switch S2.		
20	Verify the display legend of switch S2.	Illuminate	S2
21	Release switch S2.		
22	Verify the display legend of switch S2.	Extinguish	S2
23	Remove 5v ac connection between J2-1 and J2-2.		
24	Apply 28 ±0.5v dc, 500 mA to J2-3.  For each pin listed below, do the following test steps (1) to (4):  (1) Connect a pin to ground.  (2) Verify the display legend of the indicator or switch specified on the second column.	Illuminate	

233N3211-311, -321, -1311  
Functional Test  
Figure 102D (Sheet 4)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 141  
Nov 01/02

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS
	(3) Remove the pin from ground.		
	(4) Verify the same display legend of the indicator or switch specified.	Off	
	<u>INDICATOR/</u>		
	<u>PIN      SWITCH      DISPLAY LEGEND</u>		
25	J2-4      L2      DISCH S2      OFF		L2, S2
26	J2-7      L2      DISCH		L2
27	J2-25     S2      OFF		S2
28	Remove 28v dc from J2-3.		
29	Apply 28 ±0.5v dc, 500 mA to J2-14.		
	For each pin listed below, do the following test steps (1) to (4):		
	(1) Connect a pin to ground.		
	(2) Verify the display legend of the indicator or switch specified on the second column.	Illuminate	

233N3211-311, -321, -1311  
Functional Test  
Figure 102D (Sheet 5)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 142  
Nov 01/02

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS												
30 31  32	<p>(3) Remove the pin from ground.</p> <p>(4) Verify the same display legend of the indicator or switch specified.</p> <table border="1" data-bbox="365 527 824 688"> <thead> <tr> <th colspan="3" style="text-align: center;"><u>INDICATOR/</u></th> </tr> <tr> <th style="text-align: center;"><u>PIN</u></th> <th style="text-align: center;"><u>SWITCH</u></th> <th style="text-align: center;"><u>DISPLAY LEGEND</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">J2-4</td> <td style="text-align: center;">L1</td> <td style="text-align: center;">OFF</td> </tr> <tr> <td style="text-align: center;">J2-5</td> <td style="text-align: center;">L1</td> <td style="text-align: center;">OFF</td> </tr> </tbody> </table> <p>Remove 28v dc from J2-14.</p> <p>For each data line listed below, do the following test steps (1) to (5):</p> <p>(1) Connect a pin on the first column to ground.</p> <p>(2) Apply 28 ±0.5v dc, 500 mA to a pin on the second column.</p> <p>(3) Verify the display legend of the indicator or switch specified on the second column.</p>	<u>INDICATOR/</u>			<u>PIN</u>	<u>SWITCH</u>	<u>DISPLAY LEGEND</u>	J2-4	L1	OFF	J2-5	L1	OFF	Off	L1 L1
<u>INDICATOR/</u>															
<u>PIN</u>	<u>SWITCH</u>	<u>DISPLAY LEGEND</u>													
J2-4	L1	OFF													
J2-5	L1	OFF													

233N3211-311, -321, -1311  
Functional Test  
Figure 102D (Sheet 6)

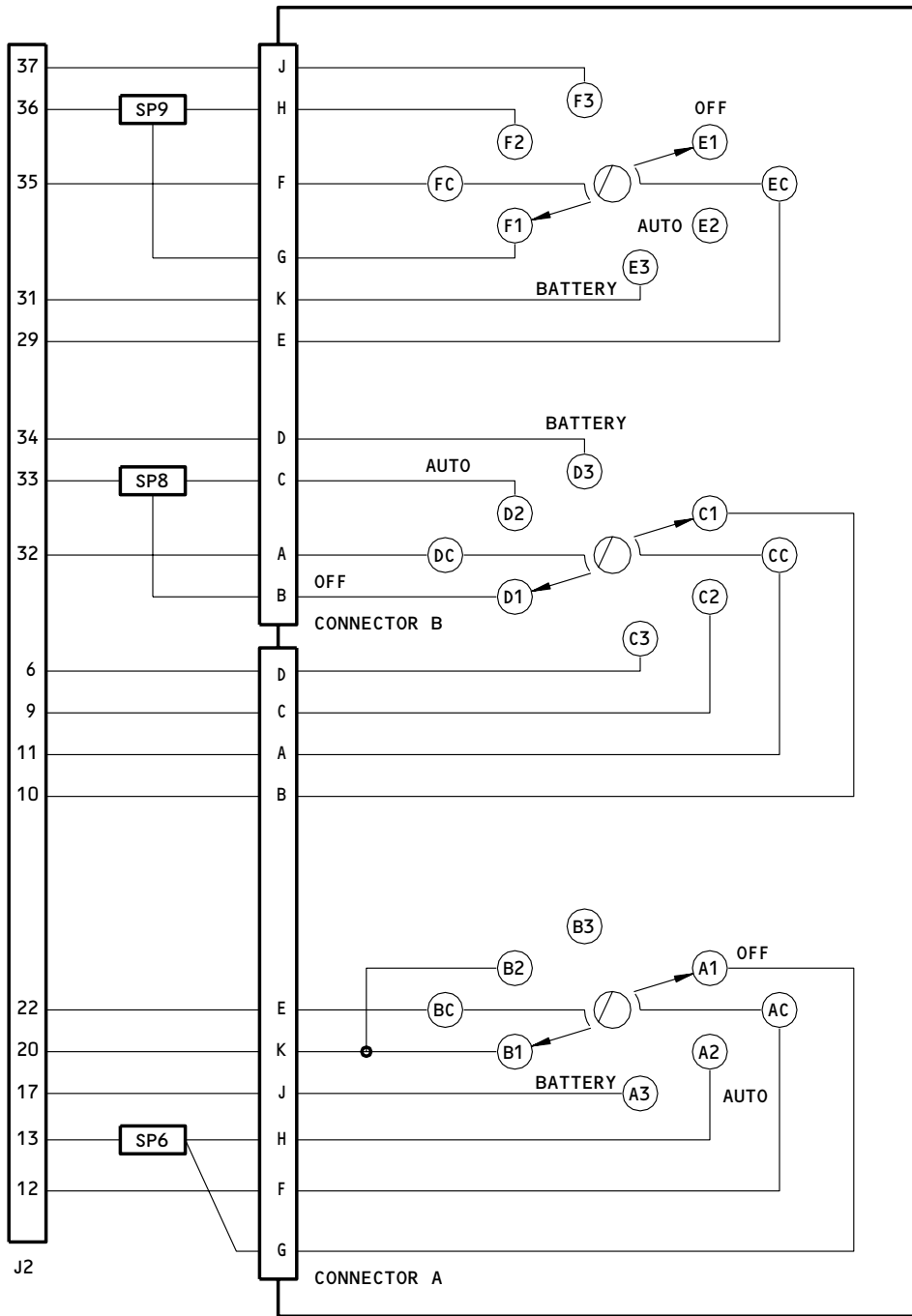
**24-33-72**

STEP NO.	PROCEDURE	REQUIRED RESULTS	SUSPECTED COMPONENTS																								
	(4) Remove 28v dc from the pin listed on the second column.																										
	(5) Remove ground from the pin listed on the first column.																										
	<table border="1"> <thead> <tr> <th><u>PIN</u></th> <th><u>PIN</u></th> <th><u>INDICATOR/ SWITCH</u></th> <th><u>DISPLAY LEGEND</u></th> </tr> </thead> <tbody> <tr> <td>33</td> <td>J2-3 J2-4</td> <td>L2 S2</td> <td>DISCH OFF</td> </tr> <tr> <td>34</td> <td>J2-3 J2-7</td> <td>L2</td> <td>DISCH</td> </tr> <tr> <td>35</td> <td>J2-3 J2-25</td> <td>S2</td> <td>OFF</td> </tr> <tr> <td>36</td> <td>J2-14 J2-4</td> <td>L1</td> <td>OFF</td> </tr> <tr> <td>37</td> <td>J2-14 J2-5</td> <td>L1</td> <td>OFF</td> </tr> </tbody> </table>	<u>PIN</u>	<u>PIN</u>	<u>INDICATOR/ SWITCH</u>	<u>DISPLAY LEGEND</u>	33	J2-3 J2-4	L2 S2	DISCH OFF	34	J2-3 J2-7	L2	DISCH	35	J2-3 J2-25	S2	OFF	36	J2-14 J2-4	L1	OFF	37	J2-14 J2-5	L1	OFF		
<u>PIN</u>	<u>PIN</u>	<u>INDICATOR/ SWITCH</u>	<u>DISPLAY LEGEND</u>																								
33	J2-3 J2-4	L2 S2	DISCH OFF																								
34	J2-3 J2-7	L2	DISCH																								
35	J2-3 J2-25	S2	OFF																								
36	J2-14 J2-4	L1	OFF																								
37	J2-14 J2-5	L1	OFF																								
38	Remove all connections.																										
	END OF TEST																										

233N3211-311, -321, -1311  
 Functional Test  
 Figure 102D (Sheet 7)

**24-33-72**

TESTING & TROUBLE SHOOTING  
 01.1 Page 144  
 Nov 01/02



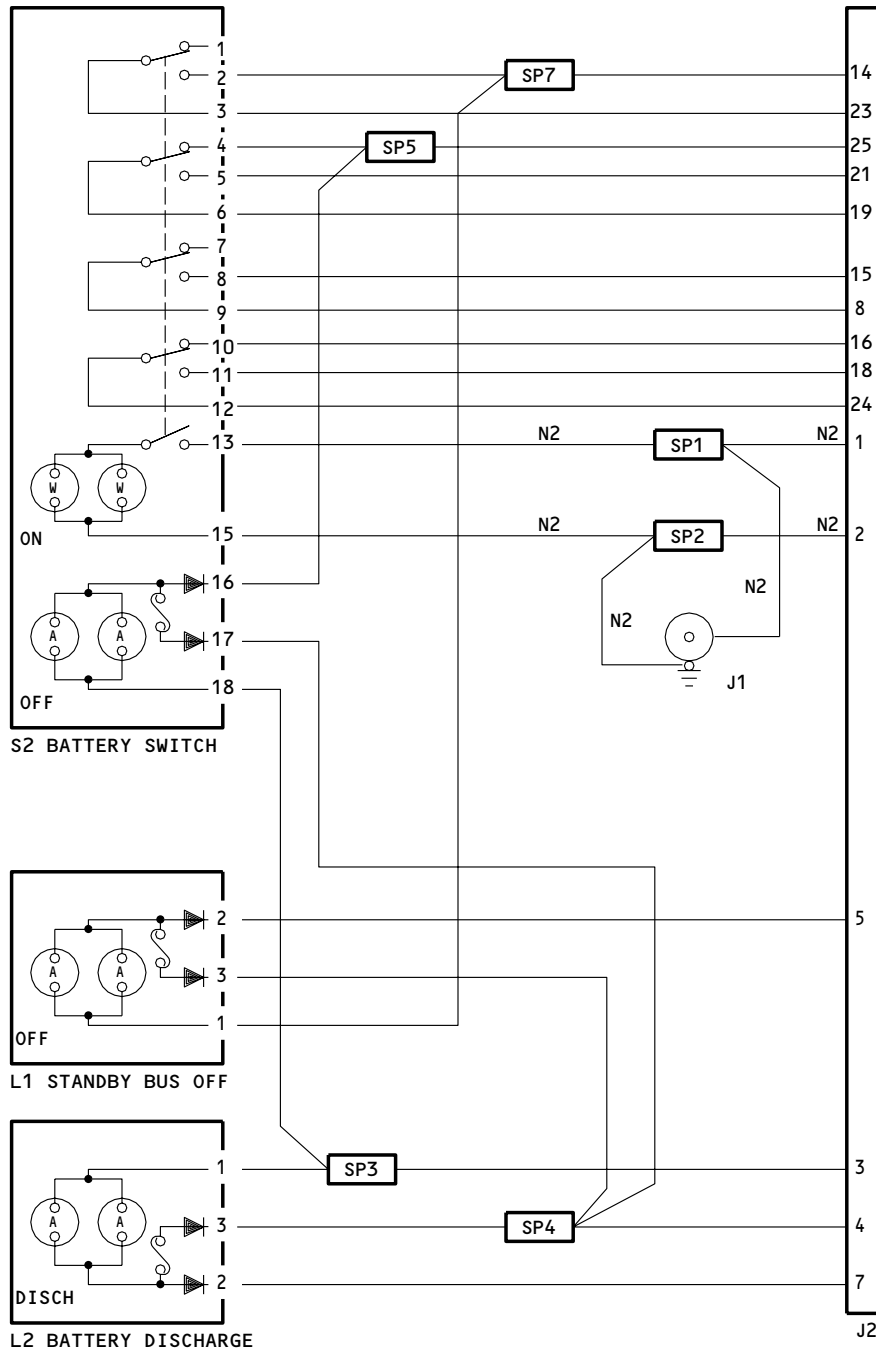
S1 STANDBY POWER SWITCH

**NOTE:** ALL WIRE BMS 13-16, TYPE I, CLASS 1,  
SIZE 20. SEPARATION: ALL WIRES S2  
UNLESS SHOWN DIFFERENTLY.

233N3211-36,-37,-38,-300,-301,-306,-312,-317,-1036,-1037,-1038,-1300,-1301,-1306  
Wiring Diagram  
Figure 103 (Sheet 1)

**24-33-72**

TESTING & TROUBLE SHOOTING  
01.1 Page 145  
Jul 01/03

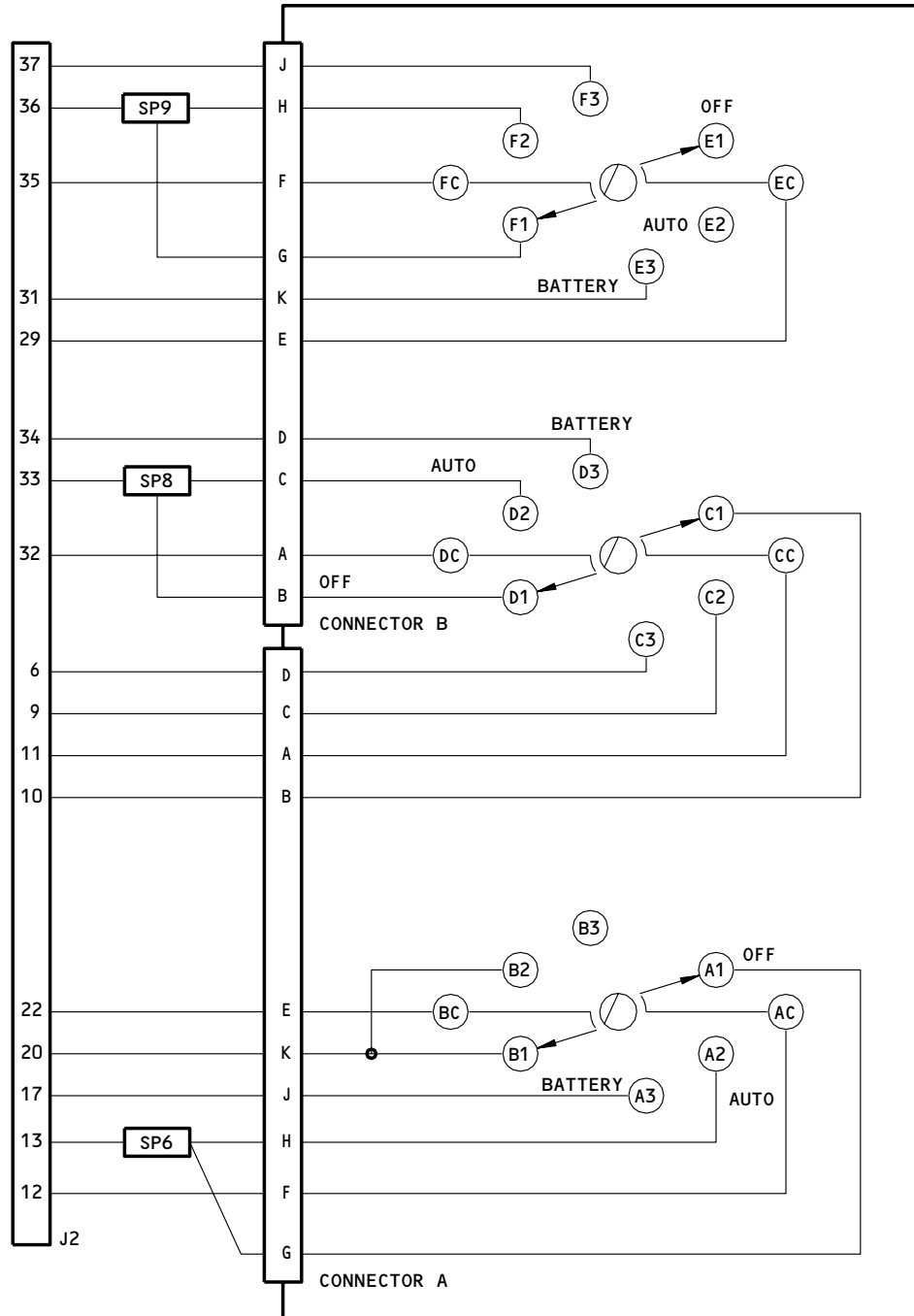


**NOTE:** ALL WIRE BMS 13-16, TYPE I, CLASS 1,  
SIZE 20. SEPARATION: ALL WIRES S2  
UNLESS SHOWN DIFFERENTLY.

233N3211-36,-37,-38,-300,-301,-306,-312,-317,-1036,-1037,-1038,-1300,-1301,-1306  
Wiring Diagram  
Figure 103 (Sheet 2)

**24-33-72**





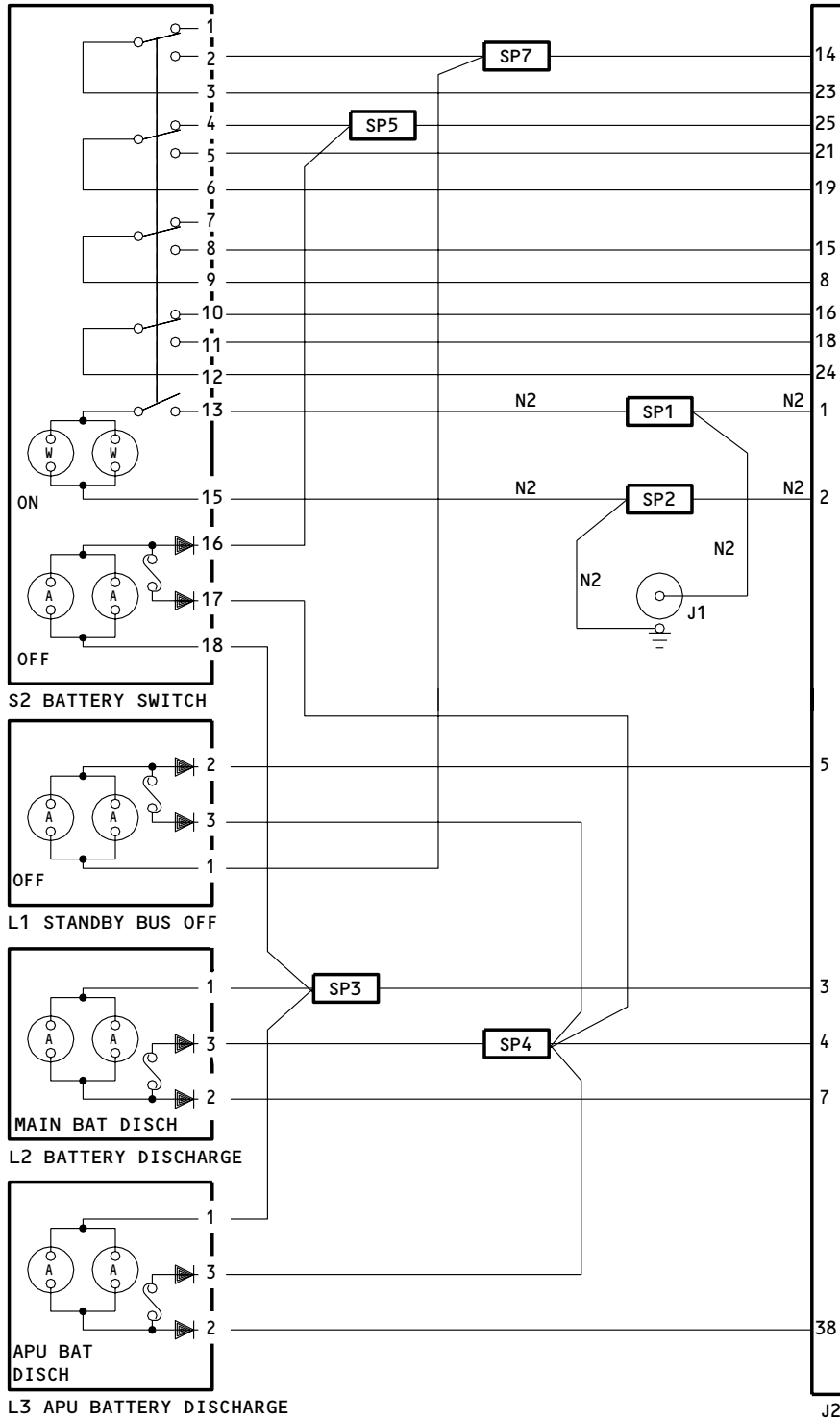
S1 STANDBY POWER SWITCH

**NOTE:** ALL WIRE BMS 13-16, TYPE I, CLASS 1,  
SIZE 20. SEPARATION: ALL WIRES S2  
UNLESS SHOWN DIFFERENTLY.

233N3211-39,-40,-303,-308,-309,-319,-1039,-1040,-1303,-1308,-1309  
Wiring Diagram  
Figure 104 (Sheet 1)

**24-33-72**

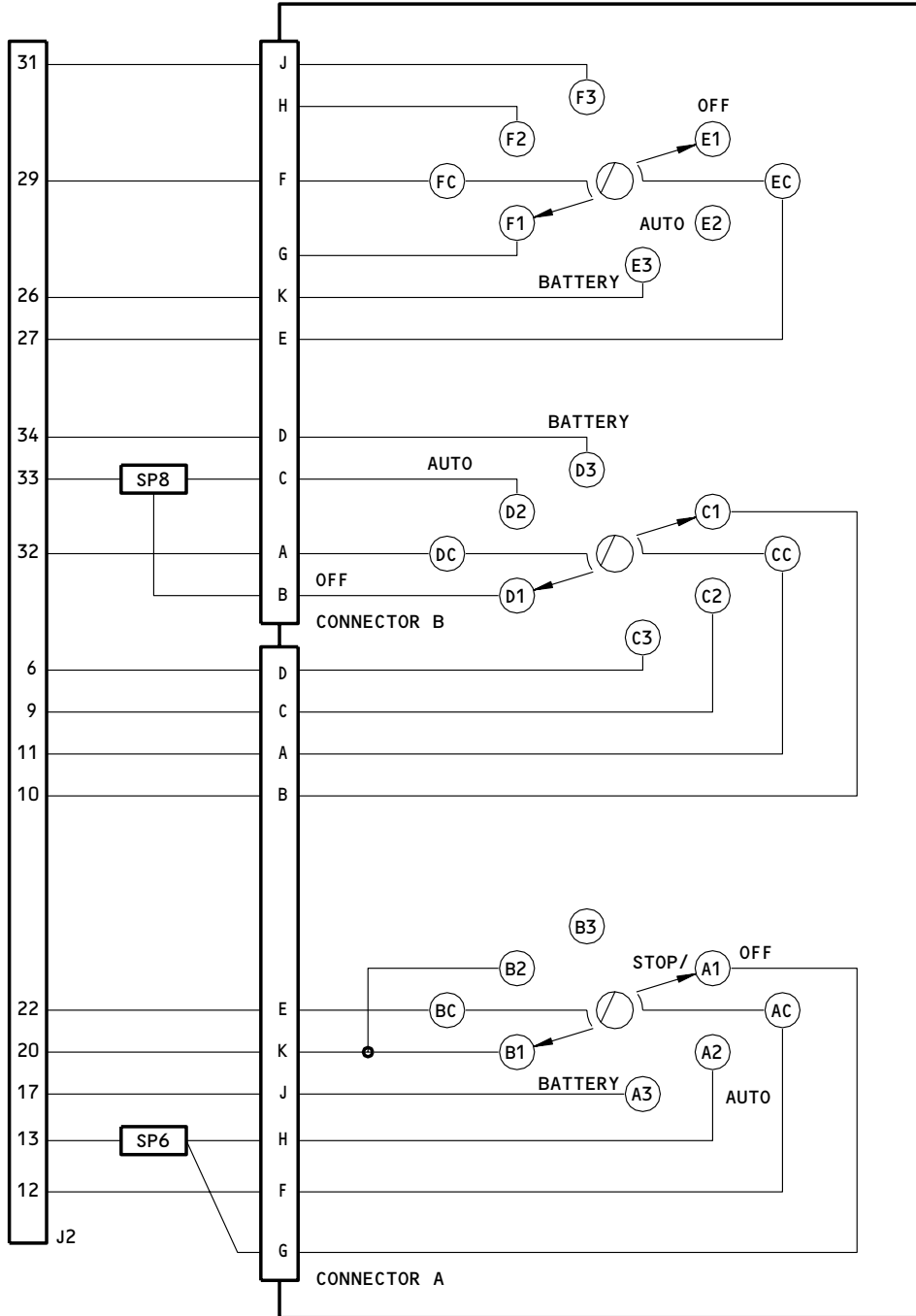
TESTING & TROUBLE SHOOTING  
01.1 Page 149  
Jul 01/03



**NOTE:** ALL WIRE BMS 13-16, TYPE I, CLASS 1, SIZE 20.  
SEPARATION: ALL WIRES S2 UNLESS SHOWN DIFFERENTLY.

233N3211-39,-40,-303,-308,-309,-319,-1039,-1040,-1303,-1308,-1309  
Wiring Diagram  
Figure 104 (Sheet 2)

**24-33-72**



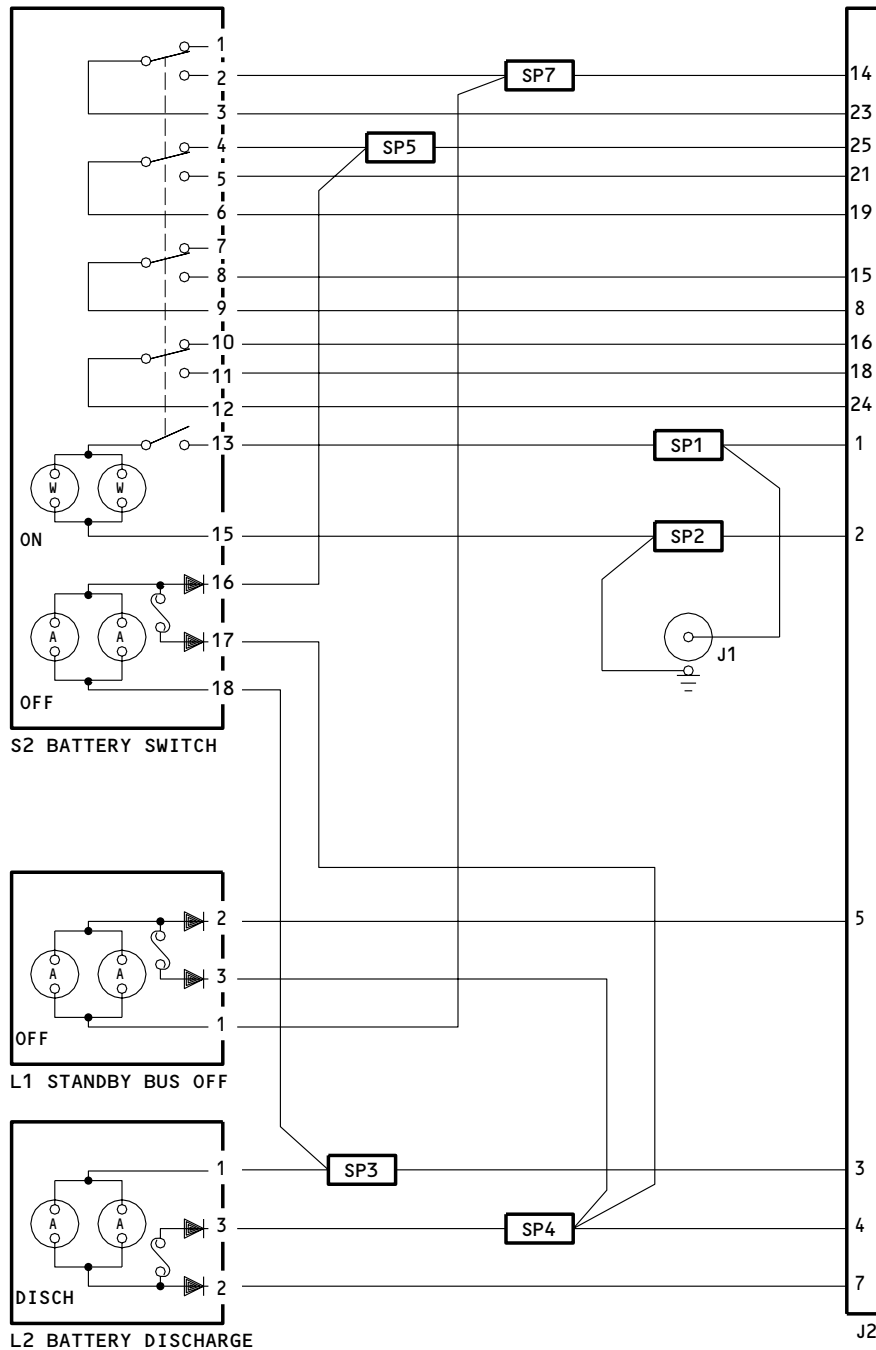
S1 STANDBY POWER SWITCH

**NOTE:** ALL WIRE BMS 13-16, TYPE I, CLASS 1, SIZE 20.

233N3211-41,-42,-302,-304,-307,-313,-315,-1041,-1042,-1302,-1304,-1307  
233T3100-273  
Wiring Diagram  
Figure 105 (Sheet 1)

**24-33-72**

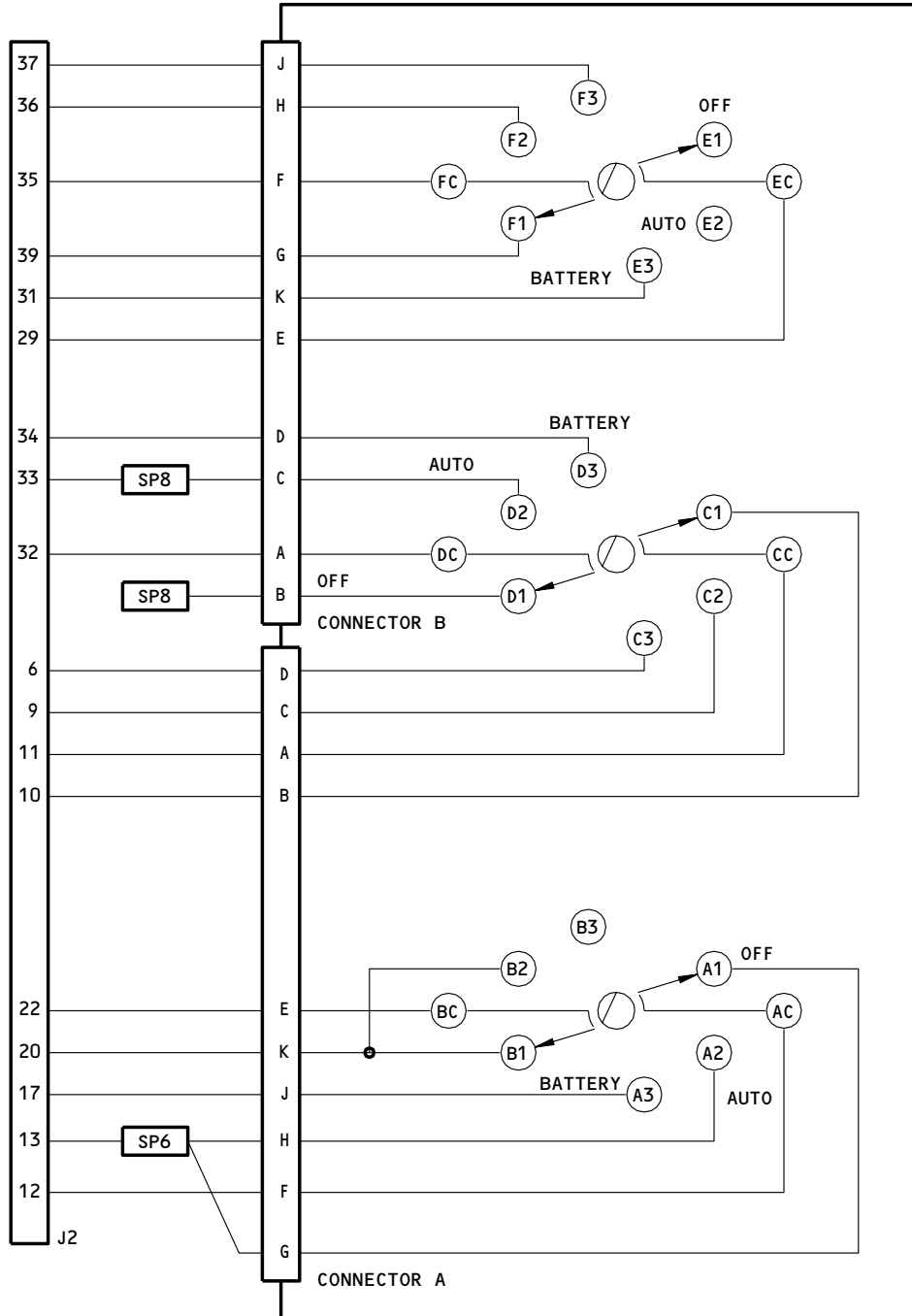
TESTING & TROUBLE SHOOTING  
01.1 Page 153  
Jul 01/03



**NOTE:** ALL WIRE BMS 13-16, TYPE I, CLASS 1, SIZE 20.

233N3211-41,-42,-302,-304,-307,-313,-315,-1041,-1042,-1302,-1304,-1307  
233T3100-273  
Wiring Diagram  
Figure 105 (Sheet 2)

**24-33-72**



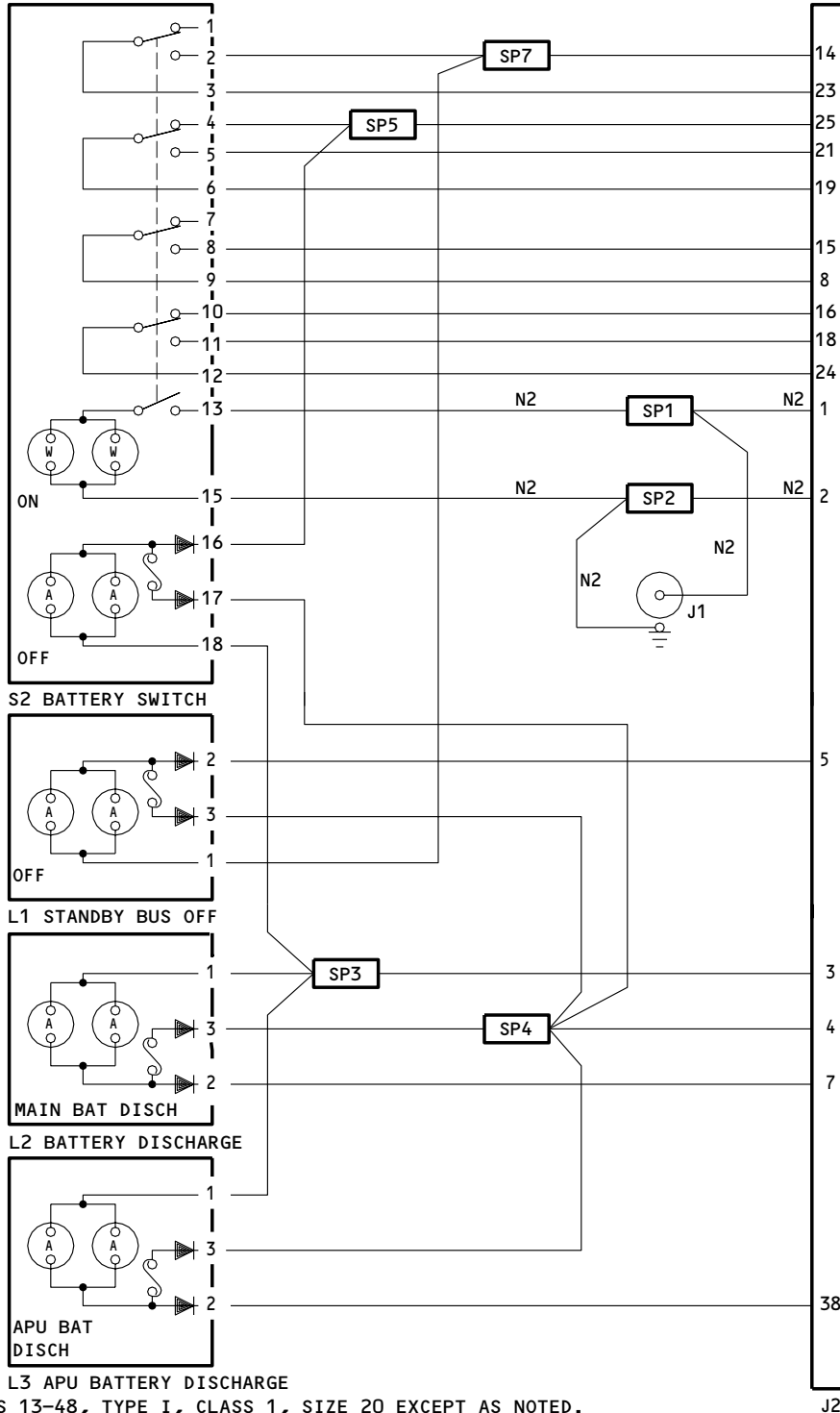
S1 STANDBY POWER SWITCH

**NOTE:** ALL WIRE BMS 13-48, TYPE I, CLASS 1, SIZE 20.  
SEPARATION: ALL WIRES S2 EXCEPT AS NOTED, SEE REPAIR.

233N3211-46,-305,-316,-1046,-1305  
233T3100-296  
Wiring Diagram  
Figure 106 (Sheet 1)

**24-33-72**

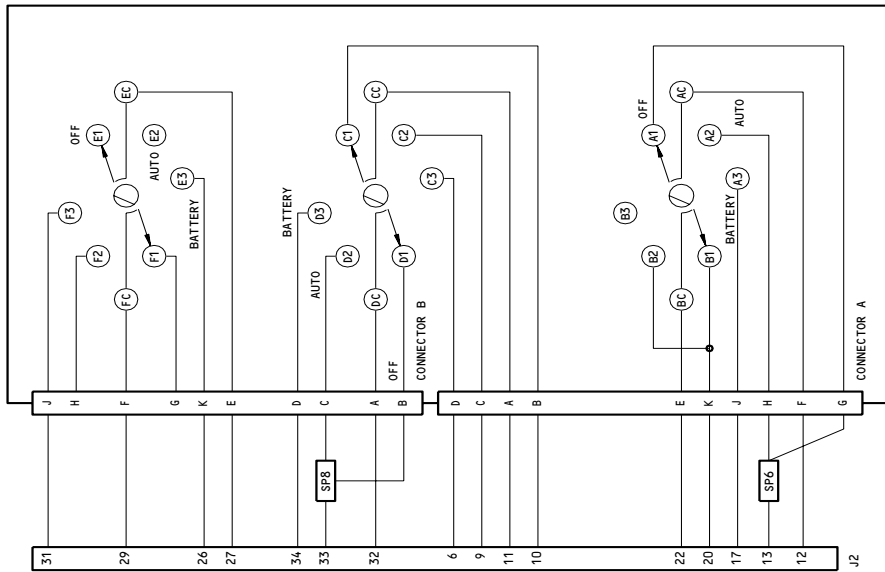
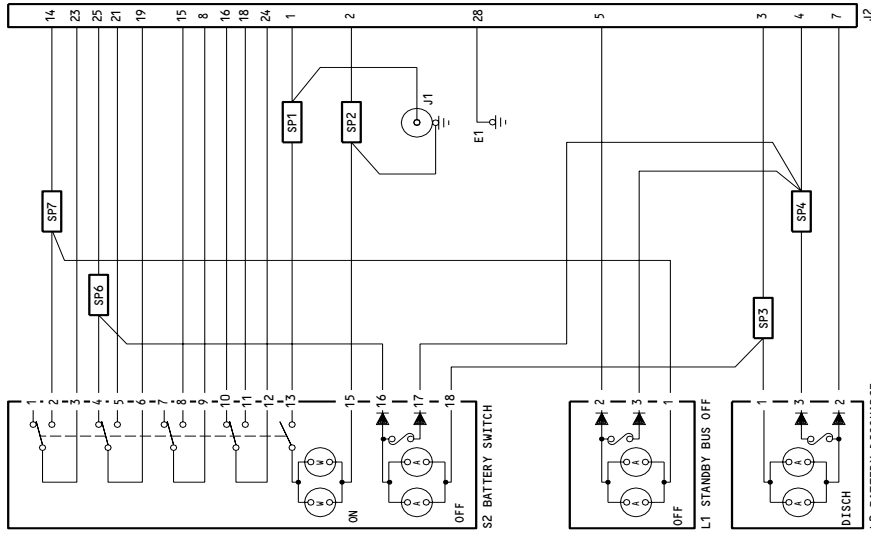
TESTING & TROUBLE SHOOTING  
01.1 Page 157  
Jul 01/03



**NOTE:** ALL WIRE BMS 13-48, TYPE I, CLASS 1, SIZE 20 EXCEPT AS NOTED.  
SEPARATION: ALL WIRES S2 EXCEPT AS NOTED, SEE REPAIR.

233N3211-46,-305,-316,-1046,-1305  
233T3100-296  
Wiring Diagram  
Figure 106 (Sheet 2)

**24-33-72**



NOTE: ALL WIRE BMS 13-16, TYPE I, CLASS 1,  
 SIZE 20. SEPARATION: ALL WIRES S2  
 UNLESS SHOWN DIFFERENTLY.

233N3211-311,-321,-1311  
 Wiring Diagram  
 Figure 107

EQJ609

**24-33-72**

REPAIR

1. Materials

- A. Varglas nonfray type H0 or HP sleeving (Varflex Corp., 512 W. Court Street, Rome, New York 13440)
- B. Loctite sealant type 242 or 222 without primer (Loctite Corp., 705 North Mountain Road, Newington, Connecticut 06111-1411).
- C. Primer -- BMS 10-11, Type I (SOPM 20-60-02)
- D. Enamel -- Hi-speed lacquer, Boeing color 8328
- E. Enamel -- Hi-speed dark gray flat lacquer (1-1-1-703) (SOPM 20-41-01)

2. All repair may be accomplished with standard industry practices and procedures contained in SOPM 20-11-05 except:

- A. Wire categories are color-coded S2 (blue), and N2 (white). Maintain a minimum of 1/4-inch spacing between bundles of different categories. Use 63-9273-2 separators or Varglas nonfray type H0 or HP sleeving to assure proper separation.
- B. When you replace or remove the baseplate assembly (Fig. 1-35A, 3-50), or standoff (Fig. 1-70, 2-75, 3-85, 4-90), apply loctite sealant (type 242 or 222 without primer) to threaded parts of the screws (Fig. 1-40, 2-45, 3-55, 4-60, 3-55A, 4-60A) before you tighten.

NOTE: After you tighten the screws, touch up the screw heads as follow:

- Prepare the surface and apply two coats of Sherwin-Williams, Hi-speed dark gray flat lacquer per SOPM 20-41-04.
- Apply one coat of BMS 10-11, Type I primer (SOPM 20-41-02).
- Prepare the surface and apply two coats of Hi-speed lacquer, Boeing color 8328, flat (SOPM 20-41-03).

**24-33-72**

REPAIR-GENERAL

01.1

Page 601

Nov 01/02



- C. When you replace the push button switches series S231T290-xxx, torque the mounting screws to 16-24 ounce-inches.
- D. When you replace the knobs (Fig. 3-5, Fig. 4-5), set the gap (0.003 ±0.001) between the knobs and the lightplate assembly before you tighten the screws.
- E. When you replace the knob (Fig. 3, Item 7 or Fig. 4, Item 7), align knob and the lightplate (Fig. 3, Item 10C or Fig. 4, Item 10C) position lines, and secure set screws alternately while maintaining knob position. Install knob so that it bottoms out on the shaft. The bottom of the knob will be below the lightplate surface.
- F. When you replace the Korry lighted pushbutton switch, make sure that you use the switch with the letter "D" imprinted on the master module of the switch. The Korry part number of the master module with the configuration "D" marked is 13206-001.

**24-33-72**

REPAIR-GENERAL

01.1

Page 602

Jul 01/03

ILLUSTRATED PARTS LIST

1. This section lists and illustrates replaceable or repairable component parts. The Illustrated Parts Catalog contains a complete explanation of the Boeing part numbering system.

2. Indentures show parts relationships as follows:

Assembly

Detail Parts for Assembly

Subassembly

Attaching Parts for Subassembly

Detail Parts for Subassembly

Detail Installation Parts (Included only if installation parts may be returned to shop as part of assembly)

3. One use code letter (A, B, C, etc.) is assigned in the EFF CODE column for each variation of top assembly. All listed parts are used on all top assemblies except when limitations are shown by use code letter opposite individual part entries.

4. Letter suffixes (alpha-variants) are added to item numbers for optional parts, Service Bulletin modification parts, configuration differences (Except left- and right-hand parts), product improvement parts, and parts added between two sequential item numbers. The alpha-variant is not shown on illustrations when appearance and location of all variants of the part is the same.

5. Service Bulletin modifications are shown by the notations PRE SB XXXX and POST SB XXXX.

A. When a new top assembly part number is assigned by Service Bulletin, the notations appear at the top assembly level only. The configuration differences at detail part level are then shown by use code letter.

B. When the top assembly part number is not changed by the Service Bulletin, the notations appear at the detail part level.

6. Parts Interchangeability

Optional  
(OPT)

The parts are optional to and interchangeable with other parts having the same item number.

Supersedes, Superseded By  
(SUPSDS, SUPSD BY)

The part supersedes and is not interchangeable with the original part.

Replaces, Replaced By  
(REPLS, REPLD BY)

The part replaces and is interchangeable with, or is an alternate to, the original part.

24-33-72

VENDORS

05617    IDD AEROSPACE CORP  
          18225 NORTHEAST 76TH STREET PO BOX 97056  
          REDMOND, WASHINGTON 98073-9756  
          FORMERLY FARWEST ELEC INC; FORMERY IN BELLEVUE, WA;  
          FORMERLY BELL IND FARWEST MFG DIV; FORMERLY BELL IND  
          ILLUMINATED DISPLAYS DIV

12324    DUPREE INC STAKE FASTENER CO  
          14395 RAMONA PO BOX 1797  
          CHINO, CALIFORNIA 91708  
          FORMERLY DUPREE MFG CO IN SOUTH EL MONTE, CALIFORNIA  
          FORMERLY STAKE FASTENER CO DIV OF DUPREE INC

15084    DUPREE INC AEROSPACE KNOB CO DIV  
          14395 RAMONA PO BOX 1797  
          CHINO, CALIFORNIA 91708-1797  
          FORMERLY AEROSPACE KNOB CO DIV OF DUPREE INC  
          FORMERLY IN SOUTH EL MONTE, CALIFORNIA

15653    FAIRCHILD FASTENERS KAYNAR PRODUCTS DIV  
          800 S STATE COLLEGE BLVD  
          FULLERTON, CALIFORNIA 92831-3001  
          FORMERLY VK6405 MICRODOT AEROSP LTD; FORMERLY KAYNAR TECH  
          KAYNAR DIV

31946    COLE INSTRUMENT CORP  
          2650 CRODDY WAY  
          SANTA ANA, CALIFORNIA 92704-5238

51074    WEST COAST SPECIALTIES INC  
          8158 304TH AVE SE PO BOX 5010  
          PRESTON, WASHINGTON 98050  
          FORMERLY V0424B; FORMERLY IN ISSAQUAH, WA

51896    SPECTRA LUX CORP  
          11825 120TH AVENUE NORTHEAST  
          KIRKLAND, WASHINGTON 98034  
          FORMERLY IN BELLEVUE, WASHINGTON

60119    MONADNOCK CO THE  
          18301 ARENTH AVENUE PO BOX 1222  
          CITY OF INDUSTRY, CALIFORNIA 91749  
          FORMERLY UNITED CARR FASTENER CORP VB0051 VB0056 VB0076  
          FORMERLY TRW ELECTRONIC COMPONENTS CINCH-MONADNOCK DIV  
          FORMERLY CINCH-MONADNOCK DIV OF TRW INC V76530

24-33-72

ILLUSTRATED PARTS LIST  
01.1           Page 1002  
                  Nov 01/02

VENDORS

62554 SIMMONDS MECAERO FASTENERS INC  
1734 SEQUOIA AVENUE  
ORANGE, CALIFORNIA 92668

72794 DZUS FASTENER COMPANY, INCORPORATED  
425 UNION BOULEVARD  
WEST ISLIP, NEW YORK 11795-3123  
FORMERLY IN BABYLON, NEW YORK

72962 HARVARD INDUSTRIES INC  
3 WERNER WAY SUITE 210  
LEBANON, NEW JERSEY 08833  
FORMERLY AMERACE CORP ESNA DIV  
FORMERLY ELASTIC STOP NUT IN UNION, NJ

81590 KORRY ELECTRONIC INC SUB OF CRITON CORP  
901 DEXTER AVENUE NORTH  
SEATTLE, WASHINGTON 98109-3515  
FORMERLY KORRY, BORIS VB0021 AND KORRY MFG CO

91812 JANCO CORPORATION  
3111 WINONA AVENUE, PO BOX 3038  
BURBANK, CALIFORNIA 91504-2543

96182 EATON CORP AEROSPACE AND COMMERCIAL CONTROLS DIV MSC PROD  
1640 MONROVIA  
COSTA MESA, CALIFORNIA 92627-4405  
FORMERLY MASTER SPECIALITIES CO IN GARDENA, CALIFORNIA

24-33-72

ILLUSTRATED PARTS LIST  
01.1 Page 1003  
Nov 01/02

REFERENCE DESIGNATOR INDEX (SEE SCHEMATIC DIAGRAM)		
REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
J1	800-000121-1	1-5A
J1	800-000121-1	2-5A
J1	800-000121-1	3-20A
J1	800-000121-1	4-20A
J1	800-000121-1	5-20A
J1	800-000121-1	6-20
J1	800000121-1	1-5
J1	800000121-1	2-5
J1	800000121-1	3-20
J1	800000121-1	4-20
J1	800000121-1	5-20
J1	90-42301-1	3-22A
J2	BACC45FN20-41P	1-85
J2	BACC45FN20-41P	2-90
J2	BACC45FN20-41P	3-110
J2	BACC45FN20-41P	4-115
J2	BACC45FN20-41P	5-110
J2	BACC45FN20-41P	6-110
L1	BCREF6117	1-25A
L1	BCREF6117	2-30A
L1	BCREF6117	3-40A
L1	BCREF6117	4-45A
L1	BCREF6117	45B
L1	BCREF8558	1-25
L1	BCREF8558	25B
L1	BCREF8558	2-30
L1	BCREF8558	3-40
L1	BCREF8558	40B
L1	BCREF8558	4-45
L1	BCREF8558	45C
L1	BCREF8558	5-40
L1	BCREF8558	40B
L1	BCREF8558	6-45
L1	BCREF6117	5-40A
L1	BCREF6117	6-45A
L2	BCREF6118	1-20A
L2	BCREF6118	3-35A
L2	BCREF6430	2-20A
L2	BCREF6430	4-35A
L2	BCREF6430	35C
L2	BCREF8559	1-20
L2	BCREF8559	20B
L2	BCREF8559	3-35
L2	BCREF8559	35B
L2	BCREF8593	2-20

# 24-33-72

REFERENCE DESIGNATOR INDEX (SEE SCHEMATIC DIAGRAM)		
REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
L2	BCREF8593	4-35
L2	BCREF8593	35B
L2	433-100-004	5-30
L2	BCREF6118	35A
L2	BCREF6430	6-35A
L2	BCREF8559	5-35
L2	BCREF8559	35B
L2	BCREF8593	6-35
L3	BCREF6431	2-25A
L3	BCREF6431	4-40A
L3	BCREF6431	40B
L3	BCREF8594	2-25
L3	BCREF8594	4-40
L3	BCREF8594	40C
L3	BCREF6431	6-40A
L3	BCREF8594	40
S1	AC45-0036	1-30A
S1	AC45-0036	2-35A
S1	AC45-0036	3-45A
S1	AC45-0036	4-50A
S1	AC45-0036-1	1-30
S1	AC45-0036-1	2-35
S1	AC45-0036-1	3-45
S1	AC45-0036-1	45C
S1	AC45-0036-1	45D
S1	AC45-0036-1	4-50
S1	AC45-0036-1	50D
S1	3600-5478	3-45B
S1	3600-5478	45E
S1	3600-5478	4-50B
S1	3600-5478	50C
S1	AC45-0036	5-45A
S1	AC45-0036	6-50A
S1	AC45-0036-1	5-45
S1	AC45-0036-1	6-50
S2	BCREFA0510	1-10E
S2	BCREFA0510	10F
S2	BCREFA0510	10G
S2	BCREFA0510	10M
S2	BCREFA0510	10P
S2	BCREFA0510	10Q
S2	BCREFA0510	2-10C

**24-33-72**

ILLUSTRATED PARTS LIST  
01.1 Page 1005  
Jul 01/03

REFERENCE DESIGNATOR INDEX (SEE SCHEMATIC DIAGRAM)		
REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
S2	BCREFA0510	10G
S2	BCREFA0510	3-25A
S2	BCREFA0510	25C
S2	BCREFA0510	25D
S2	BCREFA0510	25H
S2	BCREFA0510	25J
S2	BCREFA0510	25L
S2	BCREFA0510	4-25A
S2	BCREFA0510	25B
S2	BCREFA0510	25E
S2	BCREFA0510	25G
S2	BCREF7611	1-10B
S2	BCREF7611	10L
S2	BCREF7611	3-25B
S2	BCREF7611	25G
S2	4336731004-4224	3-25F
S2	4336731004-4224	4-25D
S2	851-30768-3024	1-10H
S2	851-30768-3024	2-10D
S2	851-35100-5024	1-10J
S2	851-35100-5024	10K
S2	851-35100-5024	10N
S2	851-35100-5024	2-10E
S2	851-35100-5024	10F
S2	851-35100-5024	10H
S2	851-35100-5024	3-25E
S2	851-35100-5024	25K
S2	851-35100-5024	4-25C
S2	851-35100-5024	25F
S2	BCREFA0510	5-25
S2	BCREFA0510	25A
S2	BCREFA0510	6-25
S2	851-35100-5024	5-25B
S2	851-35100-5024	6-25A

**24-33-72**

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ		
AC45-0036		1	30A	1		
		2	35A	1		
		3	45A	1		
		4	50A	1		
		5	45A	1		
		6	50A	1		
AC45-0036-1		1	30	1		
		2	35	1		
		3	45	1		
		3	45C	1		
		3	45D	1		
		4	50	1		
		4	50D	1		
		5	45	1		
		6	50	1		
		BACC45FN20-41P		1	85	1
				2	90	1
3	110			1		
4	115			1		
5	110			1		
6	110			1		
BACN10NW1		1	80	2		
		1	82	1		
		2	85	2		
		2	87	1		
		3	100	2		
		3	105	3		
		3	107	3		
		4	105	2		
		4	110	1		
		5	100	2		
		5	105	1		
		6	100	2		
		6	105	1		
		BACN10YR3CD BACP10U0225N		3	29A	1
1	55A					
2	60A			1		
3	70			1		
3	72					
4	75			1		
BACP10U0225NC		6	75	1		
		1	55B	1		
		3	73	1		
		4	75A			
		5	70	1		

**24-33-72**



PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
BACS12CB04-5		1	77	3
		2	82	3
		3	95	3
		4	100	1
		4	95A	2
		5	95	3
BACS12CB06-5		6	95	3
		1	60A	3
		2	65A	3
		3	75A	3
		4	80A	3
		5	75A	3
BACS12CK04-5		6	80	3
		3	90B	
BACS12CK04U5		3	95A	3
		3	97A	3
BACS12CK06U5		4	95C	2
		3	75C	3
BACS12HN04-5		4	80C	3
		3	90C	2
BACS12HN06-5		3	95B	3
		3	75D	3
BACS21DX1B		1	45A	4
		2	50A	4
		3	60	4
		4	65	4
		5	60	4
		6	65	4
BACW10EC06C		3	80B	3
		4	85B	3
BACW10EC06S		3	80C	3

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.1 Page 1008  
 Jul 01/03

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ	
BCREFA0510		1	10E	1	
		1	10F	1	
		1	10G	1	
		1	10M	1	
		1	10P	1	
		1	10Q	1	
		2	10C	1	
		2	10G	1	
		3	25A	1	
		3	25C	1	
		3	25D	1	
		3	25H	1	
		3	25J	1	
		3	25L	1	
		4	25A	1	
		4	25B	1	
		4	25E	1	
		4	25G	1	
		5	25	1	
		5	25A	1	
		6	25	1	
	BCREF6117		1	25A	1
			2	30A	1
			3	40A	1
			4	45A	1
			4	45B	1
		5	40A	1	
BCREF6118		6	45A	1	
		1	20A	1	
		3	35A	1	
BCREF6430		5	35A	1	
		2	20A	1	
BCREF6431		4	35A	1	
		4	35C	1	
		6	35A	1	
		2	25A	1	
BCREF7611		4	40A	1	
		4	40B	1	
		6	40A	1	
		1	10B	1	
	1	10L	1		
	3	25B	1		
	3	25G	1		

**24-33-72**

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
BCREF8558		1	25	1
		1	25B	1
		2	30	1
		3	40	1
		3	40B	1
		4	45	1
		4	45C	1
		5	40	1
		5	40B	1
		6	45	1
	BCREF8559		1	20
		1	20B	1
		3	35	1
		3	35B	1
		5	35	1
		5	35B	1
BCREF8593		2	20	1
		4	35	1
		4	35B	1
		6	35	1
BCREF8594		2	25	1
		4	40	1
		4	40C	1
		6	40	1
BP248-110		5	10	1
		6	10	1
BP248-127		3	5	1
		4	5	1
		5	10A	1
		6	10A	1
BP747-101		3	7	1
		4	7	1
		1	45	
DBMB1400-6A1		2	50	
		3	57	3
FH6C5CPL12BN		3	55A	3
		4	60A	3
		3	55B	3
FH6C5TPKL12BN H52732-3CD		3	29A	1

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.1 Page 1010  
 Jul 01/03

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ	
K19798-04		1	80	2	
		1	82	1	
		2	85	2	
		2	87	1	
		3	100	2	
		3	105	3	
		3	107	3	
		4	105	2	
		4	110	1	
		5	100	2	
		5	105	1	
		6	100	2	
		6	105	1	
	MS21042L3		3	29	1
	MS35338-136		3	82	3
			3	80A	3
MS35338-41		4	85A	3	
		1	65	3	
		2	70	3	
		3	80	3	
		4	85	3	
		5	80	3	
MS35650-305T		6	85	3	
	MS51957-14	3	28	1	
		3	97	3	
	MS51957-27	3	90A	2	
		4	95B	2	
		3	77	3	
3		75B	3		
NAS1149D0316H	4	80B	3		
	3	27A	1		
	3	27	1		
	NAS1149D0463H	1	75	2	
		2	80	2	
		3	90	2	
4		95	2		
5		90	2		
NAS1801-04-5	1	60	3		
	2	65	3		
	3	75	3		
	4	80	3		
	5	75	3		
NAS1801-06-5	3	26	1		
	1	60	3		
	2	65	3		
	3	75	3		
	4	80	3		
NAS514P1032-10	5	75	3		
	3	26	1		

**24-33-72**

ILLUSTRATED PARTS LIST  
01.1 Page 1011  
Jul 01/03

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
NAS514P632-5		1	40	3
		2	45	3
		3	55	3
		4	60	3
		5	55	3
		6	60	3
PFSC35-38ASEMB		1	45A	4
		2	50A	4
		3	60	4
		4	65	4
		5	60	4
		6	65	4
PLH53CD RMA4812-160-40		3	29A	1
		1	80	2
		1	82	1
		2	85	2
		2	87	1
		3	100	2
		3	105	3
		3	107	3
		4	105	2
		4	110	1
		5	100	2
		5	105	1
		6	100	2
		6	105	1
SF6G6CBB5D		1	50	
		1	50A	2
		2	55	
		2	55A	2
		3	65	2
		4	70	
		4	70A	2
		5	65	2
S231T290-1024		6	70	2
		1	10B	1
		1	10L	1
		3	25B	1
S231T290-3024		3	25G	1
		1	10H	1
		2	10D	1

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.1 Page 1012  
 Jul 01/03

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ	
S231T290-4024		1	10E	1	
		1	10F	1	
		1	10G	1	
		1	10M	1	
		1	10P	1	
		1	10Q	1	
		2	10C	1	
		2	10G	1	
		3	25A	1	
		3	25C	1	
		3	25D	1	
		3	25H	1	
		3	25J	1	
		3	25L	1	
		4	25A	1	
		4	25B	1	
		4	25E	1	
		4	25G	1	
		5	25	1	
		5	25A	1	
		6	25	1	
	S231T290-5024		1	10J	1
			1	10K	1
			1	10N	1
			2	10E	1
			2	10F	1
		2	10H	1	
		3	25	1	
		3	25E	1	
		3	25K	1	
		4	25	1	
		4	25C	1	
		4	25F	1	
		5	25B	1	
		6	25A	1	
S231T290-803 S231T290-813 S231T290-823		2	15	1	
		2	15A	1	
		1	15	1	
		2	15B	1	
		2	15C	1	
		3	30	1	
		4	30	1	
		5	30	1	
		6	30	1	

**24-33-72**

ILLUSTRATED PARTS LIST  
01.1 Page 1013  
Jul 01/03

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
S231T300-1194		1	25A	1
		2	30A	1
		3	40A	1
		4	45A	1
		4	45B	1
		5	40A	1
S231T300-1195		6	45A	1
		1	20A	1
		3	35A	1
S231T300-1291		5	35A	1
		2	20A	1
		4	35A	1
S231T300-1292		4	35C	1
		6	35A	1
		2	25A	1
S231T300-2194		4	40A	1
		4	40B	1
		6	40A	1
S231T300-2195		1	25	1
		1	25B	1
		2	30	1
		3	40	1
		3	40B	1
		4	45	1
		4	45C	1
		5	40	1
		5	40B	1
		6	45	1
		1	20	1
S231T300-2195		1	20B	1
		3	35	1
		3	35B	1
		5	35	1
		5	35B	1
S231T300-2291		2	20	1
		4	35	1
		4	35B	1
		6	35	1
S231T300-2292		2	25	1
		4	40	1
		4	40C	1
		6	40	1
S233T100-1080		3	10	
		3	10A	
		3	10B	1
		3	10B	1
		5	5	1

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.1 Page 1014  
 Jul 01/03

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
S233T100-1081		4	10	
		4	10A	
		4	10B	1
		4	10B	1
		6	5	1
S233T100-1128		4	10C	
		4	10D	1
		4	10D	1
S233T100-1133		3	10C	
		3	10D	1
		3	10D	1
233N3211-1036		1	2C	RF
233N3211-1037		3	15N	1
		1	2D	RF
233N3211-1038		3	15P	1
		1	2W	RF
233N3211-1039		1	2X	RF
233N3211-1040		2	1E	RF
		1	2E	RF
		2	1C	RF
233N3211-1041		4	15E	1
		1	2F	RF
		3	15Q	1
233N3211-1042		1	2G	RF
		3	15R	1
233N3211-1046		1	2H	RF
		2	1D	RF
233N3211-1050		4	15F	1
		3	15S	1
		3	15T	1
233N3211-1052		3	15T	1
233N3211-1054		4	15G	1
233N3211-1058		3	15U	1
233N3211-12		2	40	
233N3211-13		2	60	
233N3211-1300		1	2J	RF
		3	1P	RF
233N3211-1301		1	2K	RF
		3	1Q	RF
233N3211-1302		1	2L	RF
		3	1R	RF
233N3211-1303		1	2M	RF
		4	1G	RF
233N3211-1304		1	2N	RF
		3	1S	RF
233N3211-1305		1	2P	RF
		4	1H	RF

**24-33-72**



PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
233N3211-1306		1	2Q	RF
		3	1T	RF
233N3211-1307		1	2R	RF
		3	1U	RF
233N3211-1308		1	2S	RF
		4	1J	RF
233N3211-1309		1	2T	RF
		4	1K	RF
233N3211-1311		1	2U	RF
		3	1V	RF
233N3211-14		2	100	1
		4	125	1
233N3211-16		1	95	1
		3	120	1
233N3211-18		2	100A	1
		4	125A	1
		6	120	1
233N3211-2		1	35	
233N3211-3		1	55	
233N3211-300		1	1H	RF
		3	1A	RF
233N3211-301		1	1J	RF
		3	1B	RF
233N3211-302		1	1K	RF
		3	1C	RF
233N3211-303		1	1L	RF
		4	1A	RF
233N3211-304		1	1M	RF
		3	1D	RF
233N3211-305		1	1N	RF
		4	1B	RF
233N3211-306		1	1P	RF
		3	1E	RF
233N3211-307		1	1Q	RF
		3	1F	RF
233N3211-308		1	1R	RF
		4	1C	RF
233N3211-309		1	1S	RF
		4	1D	RF
233N3211-310		1	1T	
		3	1G	
233N3211-311		1	1U	RF
		3	1H	RF
233N3211-312		1	1Z	RF
		3	1K	RF
233N3211-313		1	2	RF
		3	1L	RF

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.1 Page 1016  
 Jul 01/03

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
233N3211-315		1	2A	RF
		3	1M	RF
233N3211-316		1	1V	RF
		4	1E	RF
233N3211-317		1	1W	RF
		3	1J	RF
233N3211-318		1	1X	
233N3211-319		1	1Y	RF
		4	1F	RF
233N3211-321		1	2B	RF
		3	1N	RF
233N3211-36		1	1	RF
		3	15	1
233N3211-37		1	1A	RF
		3	15A	1
233N3211-38		1	1B	RF
233N3211-39		1	1C	RF
		2	1	RF
233N3211-40		1	1D	RF
		2	1A	RF
		4	15	1
233N3211-41		1	1E	RF
		3	15B	1
		5	15	1
233N3211-42		1	1F	RF
		3	15C	1
		5	15A	1
233N3211-46		1	1G	RF
		2	1B	RF
		4	15A	1
		6	15	1
233N3211-48		1	35A	1
		3	50	1
		5	50	1
233N3211-49		2	40A	1
		4	55	1
		6	55	1
233N3211-50		3	15D	1
233N3211-52		3	15E	1
233N3211-54		4	15B	1
233N3211-56		3	15F	
233N3211-57		3	52	
233N3211-58		3	15G	1
233N3211-59		3	53	1
233N3211-60		3	125A	1
233N3211-66		4	15C	1
233N3211-67		3	15H	1

**24-33-72**

ILLUSTRATED PARTS LIST  
01.1 Page 1017  
Jul 01/03

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
233N3211-68		4	15D	1
233N3211-69		3	15J	1
233N3211-70		3	15K	1
233N3211-71		3	15L	1
233N3211-72		3	15M	1
233N3211-9		1	95A	1
		3	125	1
		5	120	1
233N3250-5		1	90	1
		2	95	1
		3	115	1
		3	117	1
		4	120	1
		5	115	1
		6	115	1
233T3100-273		1	2Y	RF
		5	1	RF
233T3100-287		1	2Z	RF
		5	1A	RF
233T3100-296		1	3A	RF
		6	1	RF
293162		1	80	2
		1	82	1
		2	85	2
		2	87	1
		3	100	2
		3	105	3
		3	107	3
		4	105	2
		4	110	1
		5	100	2
		5	105	1
		6	100	2
		6	105	1
3600-5478		3	45B	1
		3	45E	1
		4	50B	1
		4	50C	1
433-100-004		1	15	1
		2	15B	1
		2	15C	1
		3	30	1
		4	30	1
		5	30	1
		6	30	1

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.1 Page 1018  
 Jul 01/03

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
433-673-1001-1024		1	10B	1
		1	10L	1
		3	25B	1
		3	25G	1
433-673-1004-4024		1	10E	1
		1	10F	1
		1	10G	1
		1	10M	1
		1	10P	1
		1	10Q	1
		2	10C	1
		2	10G	1
		3	25A	1
		3	25C	1
		3	25D	1
		3	25H	1
		3	25J	1
		3	25L	1
		4	25A	1
		4	25B	1
		4	25E	1
		4	25G	1
		5	25	1
	5	25A	1	
	6	25	1	
4336731004-4224		3	25F	1
		4	25D	1
434-674-1005-1194		1	25A	1
		2	30A	1
		3	40A	1
		4	45A	1
		4	45B	1
		5	40A	1
		6	45A	1
434-674-1005-1195		1	20A	1
		3	35A	1
		5	35A	1
434-674-1005-1291		2	20A	1
		4	35A	1
		4	35C	1
		6	35A	1
		6	35A	1
434-674-1005-1292		2	25A	1
		4	40A	1
		4	40B	1
		6	40A	1
434-674-1005-2292		4	40C	1

**24-33-72**

ILLUSTRATED PARTS LIST  
01.1 Page 1019  
Jul 01/03

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
434-674-1031-2194		1	25	1
		1	25B	1
		2	30	1
		3	40	1
		3	40B	1
		4	45	1
		4	45C	1
		5	40	1
		5	40B	1
		6	45	1
	434-674-1031-2195		1	20
		1	20B	1
		3	35	1
		3	35B	1
		5	35	1
		5	35B	1
434-674-1031-2291		2	20	1
		4	35	1
		4	35B	1
		6	35	1
434-674-1031-2292		2	25	1
		4	40	1
		6	40	1
		6	40	1
69B46200-17		1	70	3
		2	75	3
		3	85	3
		3	87	3
		4	90	3
		5	85	3
		6	90	3
800-000121-1		1	5A	1
		2	5A	1
		3	20A	1
		4	20A	1
		5	20A	1
		6	20	1
		6	20	1
800-000918		4	10B	1
800-000994		3	10B	1
800-008032		4	10D	1
800-009181		3	10D	1
800000121-1		1	5	1
		2	5	1
		3	20	1
		3	22	1
		4	20	1
		5	20	1

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.1 Page 1020  
 Jul 01/03

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ	
851-30768-2024		1	10B	1	
		1	10E	1	
		1	10F	1	
		1	10G	1	
		1	10L	1	
		1	10M	1	
		1	10P	1	
		1	10Q	1	
		2	10C	1	
		2	10G	1	
		5	25	1	
		5	25A	1	
		6	25	1	
	851-30768-3024		1	10H	1
			2	10D	1
	851-30768-803		2	15	1
	851-30768-813		2	15A	1
851-35100-5024		1	10J	1	
		1	10K	1	
		1	10N	1	
		2	10E	1	
		2	10F	1	
		2	10H	1	
		3	25E	1	
		3	25K	1	
		4	25C	1	
		4	25F	1	
		5	25B	1	
90-42301-1		6	25A	1	
		3	22A	1	

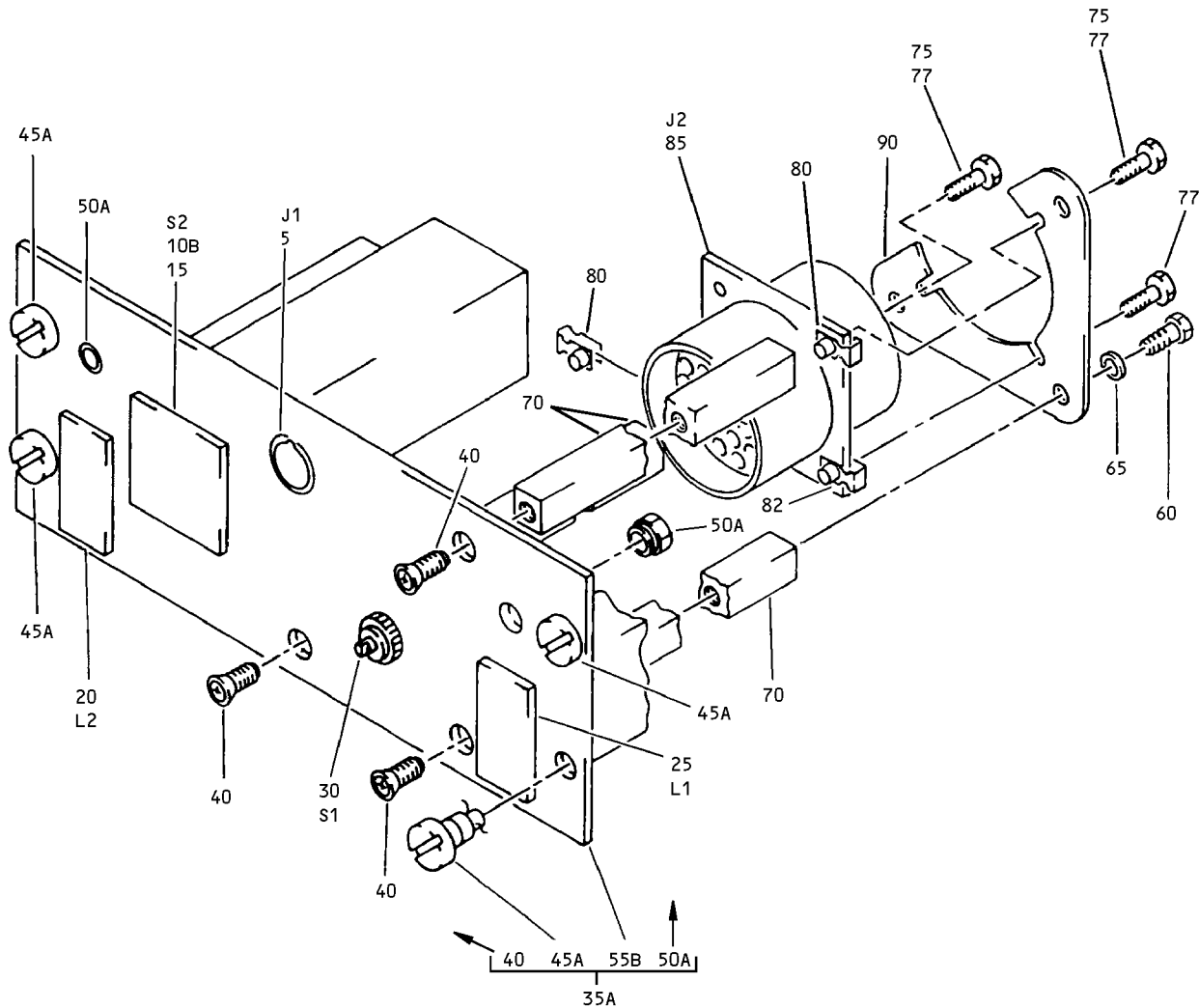
**24-33-72**

ILLUSTRATED PARTS LIST

01.1

Page 1021

Jul 01/03



M10062 Battery Standby Power Panel Assembly  
 Figure 1

**24-33-72**

ILLUSTRATED PARTS LIST  
 01.101 Page 1022  
 Jul 01/03

022660

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -1	233N3211-36		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	A	RF
-1A	233N3211-37		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	B	RF
-1B	233N3211-38		PANEL ASSY-M10062 BATTERY STBY PWR	C	RF
-1C	233N3211-39		PANEL ASSY-M10062 BATTERY STBY PWR (FOR DETAILS SEE FIG. 2) (PRE-SB 233N3211-24-02 R1)	D	RF
-1D	233N3211-40		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02) (FOR DETAILS SEE FIG. 2)	E	RF
-1E	233N3211-41		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	F	RF
-1F	233N3211-42		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	G	RF
-1G	233N3211-46		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02) (FOR DETAILS SEE FIG. 2)	H	RF
-1H	233N3211-300		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02) (FOR DETAILS SEE FIG. 3)	J	RF
-1J	233N3211-301		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02) (FOR DETAILS SEE FIG. 3)	K	RF
-1K	233N3211-302		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02) (FOR DETAILS SEE FIG. 3)	L	RF
-1L	233N3211-303		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02) (FOR DETAILS SEE FIG. 4)	N	RF

**24-33-72**

ILLUSTRATED PARTS LIST  
01.1 Page 1023  
Jul 01/03



FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -1M	233N3211-304		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02) (FOR DETAILS SEE FIG. 3)	M	RF
-1N	233N3211-305		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02) (FOR DETAILS SEE FIG. 4)	P	RF
-1P	233N3211-306		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02) (FOR DETAILS SEE FIG. 3)	R	RF
-1Q	233N3211-307		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02) (FOR DETAILS SEE FIG. 3)	S	RF
-1R	233N3211-308		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02) (FOR DETAILS SEE FIG. 4)	Q	RF
-1S	233N3211-309		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02) (FOR DETAILS SEE FIG. 4)	T	RF
-1T	233N3211-310		DELETED		
-1U	233N3211-311		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02) (FOR DETAILS SEE FIG. 3)	V	RF
R -1V	233N3211-316		PANEL ASSY-M10062 BATTERY STBY PWR (FOR DETAILS SEE FIG. 4)	U	RF

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.101 Page 1024  
 Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01- -1W	233N3211-317		PANEL ASSY-M10062 BATTERY STBY PWR (FOR DETAILS SEE FIG. 3)	W	RF
R -1X -1Y	233N3211-318 233N3211-319		DELETED PANEL ASSY-M10062 BATTERY STBY PWR (FOR DETAILS SEE FIG. 4)	X	RF
R -1Z	233N3211-312		PANEL ASSY-M10062 BATTERY STBY PWR (FOR DETAILS SEE FIG. 3)	Y	RF
R -2	233N3211-313		PANEL ASSY-M10062 BATTERY STBY PWR (FOR DETAILS SEE FIG. 3)	Z	RF
R -2A	233N3211-315		PANEL ASSY-M10062 BATTERY STBY PWR (FOR DETAILS SEE FIG. 3)	AA	RF
R -2B	233N3211-321		PANEL ASSY-M10062 BATTERY STBY PWR (FOR DETAILS SEE FIG. 3)	AB	RF
R -2C	233N3211-1036		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AC	RF
R -2D	233N3211-1037		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AD	RF
R -2E	233N3211-1040		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02) (FOR DETAILS SEE FIG. 2)	AE	RF

**24-33-72**

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01- -2F	233N3211-1041		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AF	RF
R -2G	233N3211-1042		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AG	RF
R -2H	233N3211-1046		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AH	RF
R -2J	233N3211-1300		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02) (FOR DETAILS SEE FIG. 2)	AJ	RF
R -2K	233N3211-1301		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02) (FOR DETAILS SEE FIG. 3)	AK	RF
R -2L	233N3211-1302		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02) (FOR DETAILS SEE FIG. 3)	AL	RF
R -2M	233N3211-1303		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02) (FOR DETAILS SEE FIG. 3)	AM	RF
R -2N	233N3211-1304		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02) (FOR DETAILS SEE FIG. 3)	AN	RF

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.101 Page 1026  
 Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01- -2P	233N3211-1305		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02) (FOR DETAILS SEE FIG. 4)	AP	RF
R -2Q	233N3211-1306		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02) (FOR DETAILS SEE FIG. 3)	AQ	RF
R -2R	233N3211-1307		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02) (FOR DETAILS SEE FIG. 3)	AR	RF
R -2S	233N3211-1308		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02) (FOR DETAILS SEE FIG. 4)	AS	RF
R -2T	233N3211-1309		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02) (FOR DETAILS SEE FIG. 4)	AT	RF
R -2U	233N3211-1311		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02) (FOR DETAILS SEE FIG. 3)	AU	RF
-2W	233N3211-1038		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02 R1)	AW	RF
-2X	233N3211-1039		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02 R1) (FOR DETAILS SEE FIG. 2)	AX	RF

**24-33-72**

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -2Y	233T3100-273		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02 R1) (FOR DETAILS SEE FIG. 5)	AY	RF
-2Z	233T3100-287		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02 R1) (FOR DETAILS SEE FIG. 5)	AX	RF
-3A	233T3100-296		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02 R1) (FOR DETAILS SEE FIG. 6)	BA	RF
5	800000121-1		.CONNECTOR-PWR (V05617) (J1)	A-C,F AC,AD AF,AW	1
R -5A	800-000121-1		.CONNECTOR-PWR (V05617) (J1)	G,AG	1
10B	BCREF7611		.SWITCH-LIGHTED PUSHBUTTON IND (ON/OFF) (V81590) (433-673-1001-1024) (S2) (SPEC S231T290-1024) (851-30768-2024 TOGETHER WITH 851-30768-803 OR -813 SWITCHGUARD I/W BCREF7611 TOGETHER WITH 433-100-004 SWITCHGUARD) (OPT ITEM 10F)	B	1

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.1 Page 1028  
 Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -10E	BCREFA0510		.SWITCH-LIGHTED PUSHBUTTON (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (851-30768-2024 TOGETHER WITH 851-3768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD)	A,F	1
-10F	BCREFA0510		.SWITCH-LIGHTED PUSHBUTTON (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD) (OPT ITEM 10B)	B	1
-10G	BCREFA0510		.SWITCH-LIGHTED PUSHBUTTON (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD)	G	1

**24-33-72**

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -10H	851-30768-3024		.SWITCH-LIGHTED PUSHBUTTON IND (ON/OFF) (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD) (V96182) (S2) (SPEC S231T290-3024) (OPT ITEM 10K)	C,AW	1
-10J	851-35100-5024		.SWITCH-PUSHBUTTON (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD) (V96182) (S2) (SPEC S231T290-5024) (OPT ITEM 10E)	A,F	1
-10K	851-35100-5024		.SWITCH-PUSHBUTTON (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD) (V96182) (S2) (SPEC S231T290-5024) (OPT ITEM 10H)	C,AW	1

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.1 Page 1030  
 Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01-10L	BCREF7611		.SWITCH-LIGHTED PUSHBUTTON IND (ON/OFF) (USE WITH CONFIGURATION "D" MASTER MODULE. SEE REPAIR FOR ADDITIONAL INFORMATION (V81590) (433-673-1001-1024) (S2) (SPEC S231T290-1024) (851-30768-2024 TOGETHER WITH 851-30768-803 OR -813 SWITCHGUARD I/W BCREF7611 TOGETHER WITH 433-100-004 SWITCHGUARD) (OPT ITEM 10M)	AD	1
R -10M	BCREFA0510		.SWITCH-LIGHTED PUSHBUTTON (V81590) (USE WITH CONFIGURATION "D" MASTER MODULE. SEE REPAIR FOR ADDITIONAL INFORMATION) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREF7611 851-30768-3024 BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD) (OPT ITEM 10L)	AD	1

**24-33-72**

ILLUSTRATED PARTS LIST  
01.1 Page 1031  
Jul 01/03



FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01-10N	851-35100-5024		.SWITCH-PUSHBUTTON (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD) (V96182) (S2) (SPEC S231T290-5024) (OPT ITEM 10P)	AC,AF	1
R -10P	BCREFA0510		.SWITCH-LIGHTED PUSHBUTTON (V81590) (USE WITH CONFIGURATION "D" MASTER MODULE. SEE REPAIR FOR ADDITIONAL INFORMATION) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (851-30768-2024 TOGETHER WITH 851-3768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD) (OPT ITEM 10N)	AC,AF	1

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.1 Page 1032  
 Jul 01/03

**BOEING**  
COMPONENT  
MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01- -10Q	BCREFA0510		.SWITCH-LIGHTED PUSHBUTTON (V81590) (USE WITH CONFIGURATION "D" MASTER MODULE. SEE REPAIR FOR ADDITIONAL INFORMATION) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD)	AG	1
15	433-100-004		.GUARD-SWITCH (V81590) (SPEC S231T290-823) (433-100-004 MAY REPLACE 851-30768-813 EXCEPT 851-30768-813 OPTIONAL TO 433-100-004 FOR NA213NA214)	A-C, F,G, AC,AD AF,AG AW	1
20	BCREF8559		.LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2195) (L2) (SPEC S231T300-2195) (OPT ITEM 20A)	A-C,G AC,AD AG,AW	1
-20A	BCREF6118		.LIGHT ASSY-DISCH IND (V81590) (434-674-1005-1195) (L2) (SPEC S231T300-1195) (OPT ITEM 20)	A-C,G AC,AD AG,AW	1
-20B	BCREF8559		.LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2195) (L2) (SPEC S231T300-2195)	F,AF	1

**24-33-72**

ILLUSTRATED PARTS LIST  
01.1 Page 1033  
Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-25	BCREF8558		.LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2194) (L1) (SPEC S231T300-2194) (OPT ITEM 25A)	A-C,G AC,AD AG,AW	1
-25A	BCREF6117		.LIGHT ASSY-DISCH IND (V81590) (434-674-1005-1194) (L1) (SPEC S231T300-1194) (OPT ITEM 25)	A-C,G AC,AD AG,AW	1
-25B	BCREF8558		.LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2194) (L1) (SPEC S231T300-2194)	F,AF	1
30	AC45-0036-1		.SWITCH-ROTARY (V91812) (S1) (OPT ITEM 30A)	A-C, F,G, AC,AD, AF,AG AW	1
-30A	AC45-0036		.SWITCH-ROTARY (V91812) (S1) (OPT ITEM 30)	A-C, F,G, AC,AD, AF,AG AW	1
35A	233N3211-48		.BASEPLATE ASSY	A-C, F,G, AC,AD, AF,AG AW	1
40	NAS514P632-5		ATTACHING PARTS .SCREW  -----*	A-C, F,G, AC,AD, AF,AG AW	3

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.1 Page 1034  
 Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R	01-45A	PFSC35-38ASEMB	..STUD- (V72794) (SPEC BACS21DX1B)	A-C,F G,AC, AD,AF AG,AW	4
	50A	SF6G6CBB5D	..NUT- (V12324)	A-C,F G,AC, AD,AF AG,AW	2
	55B	BACP10U0225NC	..PANEL ASSY	A-C, F,G, AC,AD, AF,AG AW	1
	60	NAS1801-06-5	.SCREW	A-C,F AC,AD AF,AW	3
	-60A	BACS12CB06-5	.SCREW	G,AG	3
	65	MS35338-41	.WASHER	A-C, F,G, AC,AD, AF,AG AW	3
	70	69B46200-17	.STANDOFF	A-C, F,G, AC,AD, AF,AG AW	3
	75	NAS1801-04-5	.SCREW	A-C,F AC,AD AF,AW	2
	77	BACS12CB04-5	.SCREW	G,AG	3
	80	K19798-04	.NUT- (V15653) (SPEC BACN10NW1) (OPT RMA4812-160-40 (V72962)) (OPT 293162 (V60119))	A-C, F,G, AC,AD, AF,AG AW	2

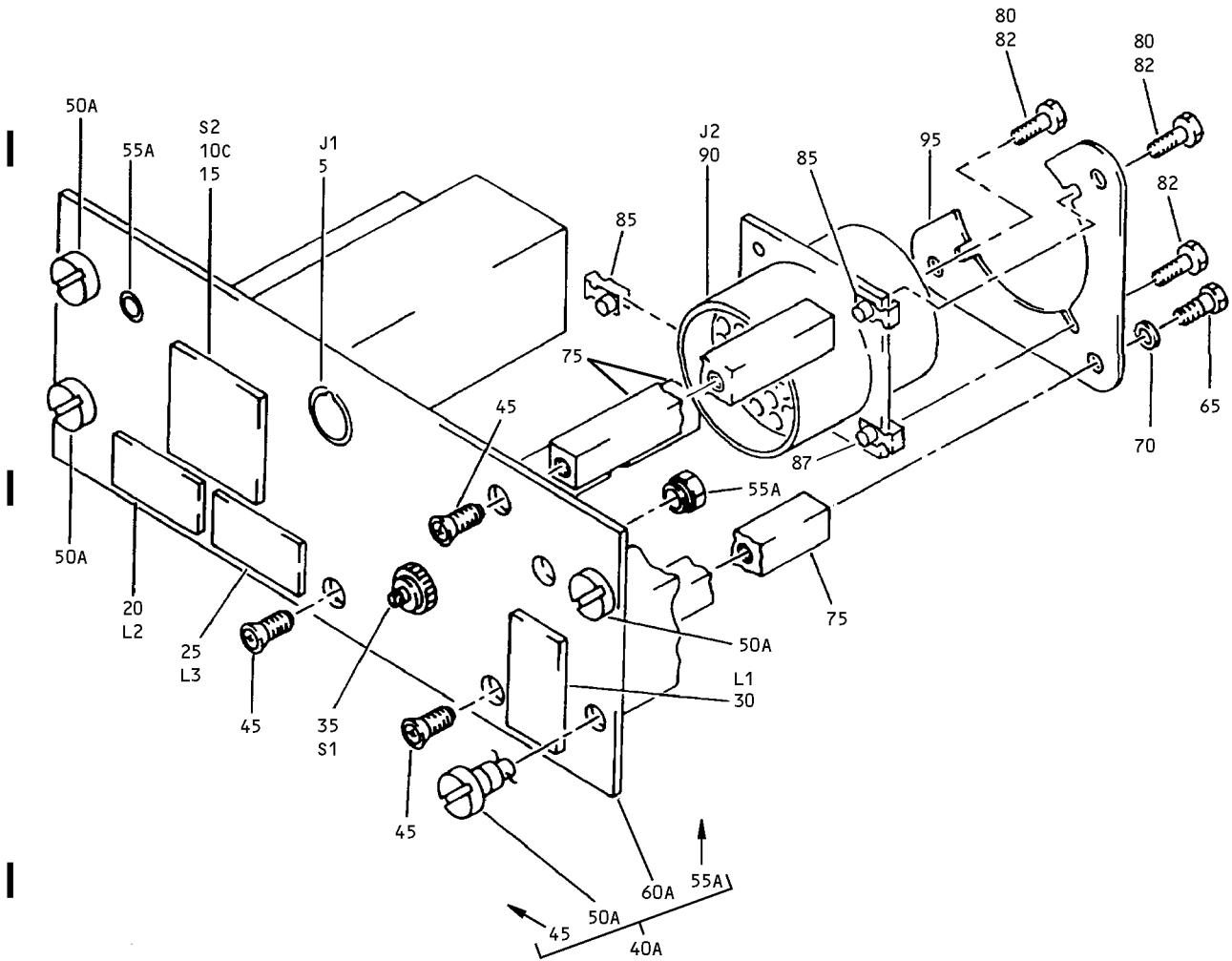
**24-33-72**

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-82	K19798-04		.NUT- (V15653) (SPEC BACN10NW1) (OPT RMA4812-160-40 (V72962)) (OPT 293162 (V60119))	G,AG	1
85	BACC45FN20-41P		.CONNECTOR- (J2)	A-C, F,G, AC,AD, AF,AG AW	1
90	233N3250-5		.BRACKET-SPRT	A-C, F,G, AC,AD, AF,AG AW	1
-95	233N3211-16		.WIRE BUNDLE ASSY	A-C, AC,AD AW	1
-95A	233N3211-9		.WIRE BUNDLE ASSY	F,G, AF,AG	1

- Item Not Illustrated

**24-33-72**

ILLUSTRATED PARTS LIST  
01.1 Page 1036  
Jul 01/03



M10062 Battery Standby Power Panel Assembly  
 Figure 2

**24-33-72**

ILLUSTRATED PARTS LIST  
 01.101 Page 1038  
 Jul 01/03

022661

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
02- -1	233N3211-39		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02 R1)	D	RF
-1A	233N3211-40		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	E	RF
-1B	233N3211-46		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	H	RF
R -1C	233N3211-1040		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AE	RF
R -1D	233N3211-1046		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AH	RF
-1E	233N3211-1039		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02 R1)	AX	RF
5	800000121-1		.CONNECTOR-PWR (V05617) (J1)	D,E, AE,AX	1
R -5A	800-000121-1		.CONNECTOR-PWR (V05617) (J1)	H,AH	1
10C	BCREFA0510		.SWITCH-LIGHTED PUSHBUTTON (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREF7611 851-30768-3024 OR BCREFA0510 WITH 433-100-004 SWITCHGUARD) (OPT ITEM 10E)	E,H	1

**24-33-72**

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
02- -10D	851-30768-3024		.SWITCH-LIGHTED PUSHBUTTON IND (ON/OFF) (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD) (V96182) (S2) (SPEC S231T290-3024) (OPT ITEM 10F)	D,AX	1
-10E	851-35100-5024		.SWITCH-PUSHBUTTON (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD) (V96182) (S2) (SPEC S231T290-5024) (OPT ITEM 10C)	E,H	1
-10F	851-35100-5024		.SWITCH-PUSHBUTTON (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD) (V96182) (S2) (SPEC S231T290-5024) (OPT ITEM 10D)	D,AX	1

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.1 Page 1040  
 Jul 01/03



FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 02-10G	BCREFA0510		.SWITCH-LIGHTED PUSHBUTTON (USE WITH CONFIGURATION "D" MASTER MODULE. SEE REPAIR FOR ADDITIONAL INFORMATION) (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREFA0510 WITH 433-100-004 SWITCHGUARD) (OPT ITEM 10H)	AE, AH	1
R -10H	851-35100-5024		.SWITCH-PUSHBUTTON (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD) (V96182) (S2) (SPEC S231T290-5024) (OPT ITEM 10G)	AE, AH	1
15	851-30768-803		.GUARD-SWITCH (V96182) (SPEC S231T290-803) (OPT ITEM 15A, 15C)	D, AX	1
-15A	851-30768-813		.GUARD-SWITCH (V96182) (SPEC S231T290-813) (433-100-004 MAY REPLACE 851-30768-813 EXCEPT 851-30768-813 OPTIONAL TO 433-100-004 FOR NA213NA214) (OPT ITEM 15, 15C)	D, AX	1

**24-33-72**

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
02- -15B	433-100-004		. GUARD-SWITCH (V81590) (SPEC S231T290-823) (433-100-004 MAY REPLACE 851-30768-813 EXCEPT 851-30768-813 OPTIONAL TO 433-100-004 FOR NA213NA214)	E,H,A E,AH	1
-15C	433-100-004		. GUARD-SWITCH (433-100-004 MAY REPLACE 851-30768-813 EXCEPT 851-30768-813 OPTIONAL TO 433-100-004 FOR NA213NA214) (V81590) (SPEC S231T290-823) (OPT ITEMS 15, 15A)	D,AX	1
20	BCREF8593		. LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2291) (L2) (SPEC S231T300-2291) (OPT ITEM 20A)	D,E, H,AE, AH,AX	1
-20A	BCREF6430		. LIGHT ASSY-MAIN BAT DISCH IND (V81590) (434-674-1005-1291) (L2) (SPEC S231T300-1291) (OPT ITEM 20)	D,E, H,AE, AH,AX	1
25	BCREF8594		. LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2292) (L3) (SPEC S231T300-2292) (OPT ITEM 25A)	D,E, H,AE, AH,AX	1
-25A	BCREF6431		. LIGHT ASSY-DISCH IND (V81590) (434-674-1005-1292) (L3) (SPEC S231T300-1292) (OPT ITEM 25)	D,E, H,AE, AH,AX	1

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.1 Page 1042  
 Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
02-30	BCREF8558		.LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2194) (L1) (SPEC S231T300-2194) (OPT ITEM 30A)	D,E, H,AE, AH,AX	1
-30A	BCREF6117		.LIGHT ASSY-DISCH IND (V81590) (434-674-1005-1194) (L1) (SPEC S231T300-1194) (OPT ITEM 30)	D,E, H,AE, AH,AX	1
35	AC45-0036-1		.SWITCH-ROTARY (V91812) (S1) (OPT ITEM 35A)	D,E, H,AE, AH,AX	1
-35A	AC45-0036		.SWITCH-ROTARY (V91812) (S1) (OPT ITEM 35)	D,E, H,AE, AH,AX	1
40	233N3211-12		DELETED		
40A	233N3211-49		.BASEPLATE ASSY	D,E, H,AE, AH,AX	1
45	NAS514P632-5		ATTACHING PARTS .SCREW  -----*	D,E, H,AE, AH,AX	3
50	DBMB1400-6A1		DELETED		
50A	PFSC35-38ASEMB		..STUD- (V72794) (SPEC BACS21DX1B)	D,E, H,AE, AH,AX	4
55	SF6G6CBB5D		DELETED		
R 55A	SF6G6CBB5D		..NUT- (V12324)	D,E, H,AE, AH,AX	2
60	233N3211-13		DELETED		
60A	BACP10U0225N		..BASEPLATE	D,E, H,AE, AH,AX	1

**24-33-72**

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
02-65	NAS1801-06-5		.SCREW	D,E, AE,AX	3
-65A	BACS12CB06-5		.SCREW	H,AH	3
70	MS35338-41		.WASHER	D,E, H,AE, AH,AX	3
75	69B46200-17		.STANDOFF	D,E, H,AE, AH,AX	3
80	NAS1801-04-5		.SCREW	D,E, AE,AX	2
82	BACS12CB04-5		.SCREW	H,AH	3
85	K19798-04		.NUT- (V15653) (SPEC BACN10NW1) (OPT RMA4812-160-40 (V72962)) (OPT 293162 (V60119))	D,E, H,AE, AH,AX	2
87	K19798-04		.NUT- (V15653) (SPEC BACN10NW1) (OPT RMA4812-160-40 (V72962)) (OPT 293162 (V60119))	H,AH	1
90	BACC45FN20-41P		.CONNECTOR- (J2)	D,E, H,AE, AH,AX	1
95	233N3250-5		.BRACKET-SPRT	D,E, H,AE, AH,AX	1

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.1 Page 1044  
 Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE	EFF CODE	QTY PER ASSY
			1234567		
02- -100	233N3211-14		.WIRE BUNDLE ASSY	D,E, AE,AX	1
-100A	233N3211-18		.WIRE BUNDLE ASSY	H,AH	1

- Item Not Illustrated

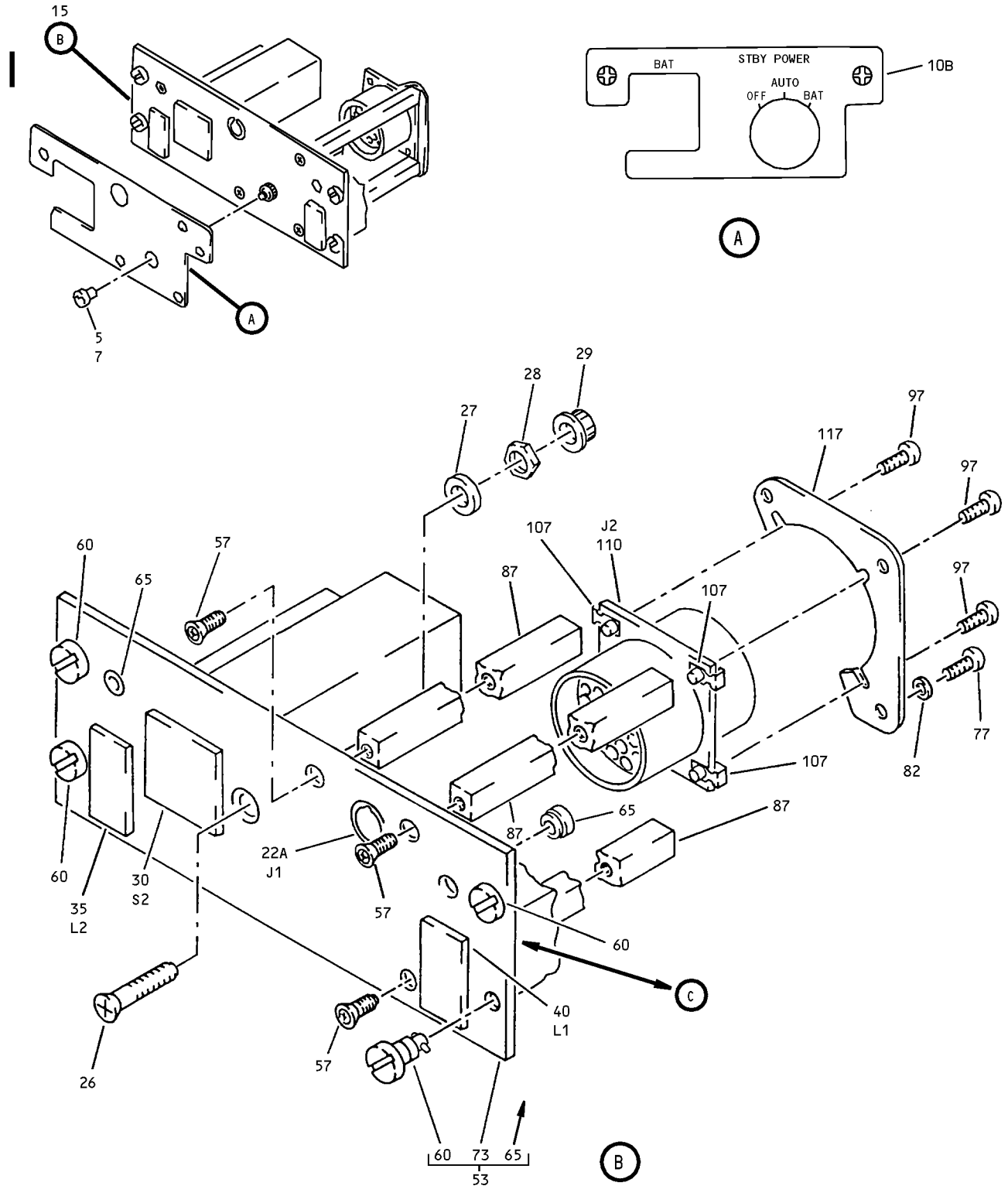
**24-33-72**

ILLUSTRATED PARTS LIST

01.1

Page 1045

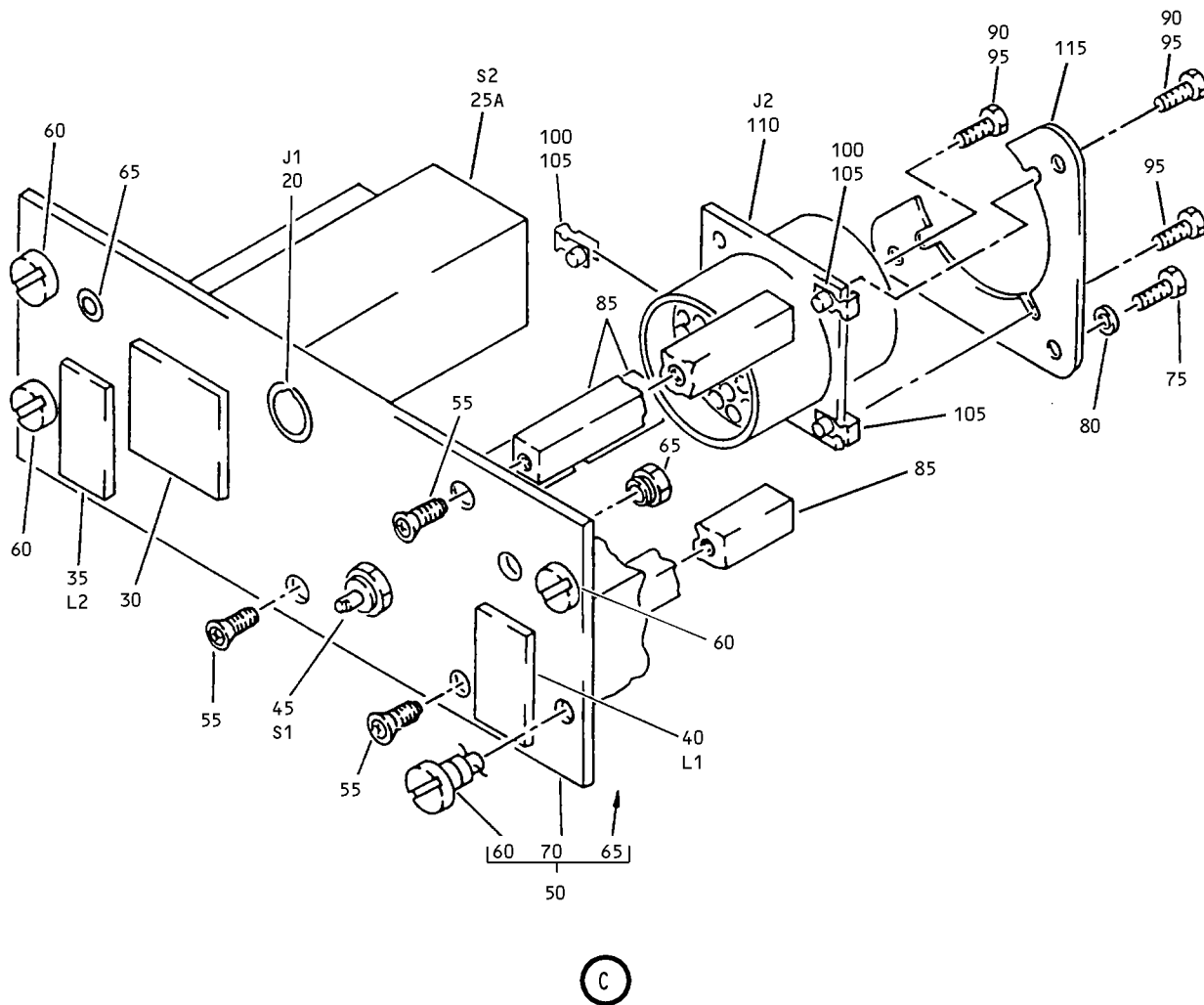
Jul 01/03



Battery Standby Power Panel Assembly, M10062  
Figure 3 (Sheet 1)

**24-33-72**

ILLUSTRATED PARTS LIST  
01.101 Page 1047  
Jul 01/03



Battery Standby Power Panel Assembly, M10062  
 Figure 3 (Sheet 2)

**24-33-72**

ILLUSTRATED PARTS LIST  
 01.101 Page 1048  
 Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
03- -1A	233N3211-300		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	J	RF
-1B	233N3211-301		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	K	RF
-1C	233N3211-302		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	L	RF
-1D	233N3211-304		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	M	RF
-1E	233N3211-306		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	R	RF
-1F	233N3211-307		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	S	RF
-1G	233N3211-310		DELETED		
-1H	233N3211-311		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	V	RF
R -1J	233N3211-317		PANEL ASSY-M10062 BATTERY STBY PWR	W	RF
R -1K	233N3211-312		PANEL ASSY-M10062 BATTERY STBY PWR	Y	RF
R -1L	233N3211-313		PANEL ASSY-M10062 BATTERY STBY PWR	Z	RF
R -1M	233N3211-315		PANEL ASSY-M10062 BATTERY STBY PWR	AA	RF
R -1N	233N3211-321		PANEL ASSY-M10062 BATTERY STBY PWR	AB	RF
R -1P	233N3211-1300		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AJ	RF
R -1Q	233N3211-1301		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AK	RF
R -1R	233N3211-1302		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AL	RF
R -1S	233N3211-1304		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AN	RF

24-33-72



FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 03- -1T	233N3211-1306		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AQ	RF
R -1U	233N3211-1307		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AR	RF
R -1V	233N3211-1311		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AU	RF
5	BP248-127		.KNOB- (V15084)	J-M,R ,S,W, Y-AB, AJ-AL ,AN AQ,AR V,AU	1
7	BP747-101		.KNOB- (V15084)		1
10	S233T100-1080		DELETED		
R -10A	S233T100-1080		DELETED		
R 10B	800-000994		.LIGHTPLATE- (V05617) (SPEC S233T100-1080) (OPT S233T100-1080 (V51896))	J-M,R ,S,W, Y-AA, AJ-AL ,AN AQ,AR	1
R -10C	S233T100-1133		DELETED		
R -10D	800-009181		.LIGHTPLATE- (V05617) (SPEC S233T100-1133) (OPT S233T100-1133 (V51896))	V,AB, AU	1
15	233N3211-36		.PANEL ASSY- (PRE SB 233N3211-24-02)	J	1
-15A	233N3211-37		.PANEL ASSY- (PRE SB 233N3211-24-02)	K	1
-15B	233N3211-41		.PANEL ASSY- (PRE SB 233N3211-24-02)	L	1
-15C	233N3211-42		.PANEL ASSY- (PRE SB 233N3211-24-02)	M	1
-15D	233N3211-50		.PANEL ASSY- (PRE SB 233N3211-24-02)	R	1
-15E	233N3211-52		.PANEL ASSY- (PRE SB 233N3211-24-02)	S	1
-15F	233N3211-56		DELETED		

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.101 Page 1050  
 Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
03-					
-15G	233N3211-58		.PANEL ASSY (PRE SB 233N3211-24-02)	V	1
R -15H	233N3211-67		.PANEL ASSY	W	1
R -15J	233N3211-69		.PANEL ASSY	Y	1
R -15K	233N3211-70		.PANEL ASSY	Z	1
R -15L	233N3211-71		.PANEL ASSY	AA	1
R -15M	233N3211-72		.PANEL ASSY	AB	1
R -15N	233N3211-1036		.PANEL ASSY- (POST SB 233N3211-24-02)	AJ	1
R -15P	233N3211-1037		.PANEL ASSY- (POST SB 233N3211-24-02)	AK	1
R -15Q	233N3211-1041		.PANEL ASSY- (POST SB 233N3211-24-02)	AL	1
R -15R	233N3211-1042		.PANEL ASSY- (POST SB 233N3211-24-02)	AN	1
R -15S	233N3211-1050		.PANEL ASSY- (POST SB 233N3211-24-02)	AQ	1
R -15T	233N3211-1052		.PANEL ASSY- (POST SB 233N3211-24-02)	AR	1
R -15U	233N3211-1058		.PANEL ASSY- (POST SB 233N3211-24-02)	AU	1
20	800000121-1		..CONNECTOR-PWR (V05617) (J1)	J-L,R ,S,A J-AL, AQ,AR	1
R -20A	800-000121-1		..CONNECTOR-PWR (V05617) (J1)	M,W, Y-AA, AN	1
22	800000121-1		DELETED		
22A	90-42301-1		..CONNECTOR-PWR (V51074) (J1)	V,AB, AU	1
25	S231T290-5024		DELETED		
25A	BCREFA0510		..SWITCH-LIGHTED PUSH BUTTON (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (OPT ITEM 25E)	J,L	1

24-33-72

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
03- -25B	BCREF7611		..SWITCH-LIGHTED PUSH BUTTON IND (ON/OFF) (V81590) (433-673-1001-1024) (S2) (SPEC S231T290-1024) (OPT ITEM 25C)	K	1
-25C	BCREFA0510		..SWITCH-LIGHTED PUSH BUTTON IND (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (OPT ITEM 25B)	K	1
-25D	BCREFA0510		..SWITCH-LIGHTED PUSH BUTTON IND (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024)	M,R,S ,V	1
-25E	851-35100-5024		..SWITCH-PUSH BUTTON (V96182) (S2) (SPEC S231T290-5024) (OPT ITEM 25A)	J,L,A J,AL	1
R -25F	4336731004-4224		..SWITCH-PUSH BUTTON (V81590) (S2)	W,Y-A B	1
R -25G	BCREF7611		..SWITCH-LIGHTED PUSH BUTTON IND (ON/OFF) (USE WITH CONFIGURATION "D" MASTER MODULE. SEE REPAIR FOR ADDITIONAL INFORMATION) (V81590) (433-673-1001-1024) (S2) (SPEC S231T290-1024) (OPT ITEM 25H)	AK	1

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.101 Page 1052  
 Jul 01/03



**BOEING**  
COMPONENT  
MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 03-25H	BCREFA0510		..SWITCH-LIGHTED PUSH BUTTON IND (USE WITH CONFIGURATION "D" MASTER MODULE. SEE REPAIR FOR ADDITIONAL INFORMATION) (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (OPT ITEM 25G)	AK	1
R -25J	BCREFA0510		..SWITCH-LIGHTED PUSH BUTTON IND (USE WITH CONFIGURATION "D" MASTER MODULE. SEE REPAIR FOR ADDITIONAL INFORMATION) (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024)	AN,AQ ,AR,A U	1
R -25K	851-35100-5024		..SWITCH-PUSH BUTTON (V96182) (S2) (SPEC S231T290-5024) (OPT ITEM 25L)	AJ,AL	1
R -25L	BCREFA0510		..SWITCH-LIGHTED PUSH BUTTON (USE WITH CONFIGURATION "D" MASTER MODULE. SEE REPAIR FOR ADDITIONAL INFORMATION) (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (OPT ITEM 25K)	AJ,AL	1
26	NAS514P1032-10		..SCREW	V,AB, AU	1
27	NAS1149D0463H		..WASHER	V,AU	1
R -27A	NAS1149D0316H		..WASHER	AB	1
28	MS35650-305T		..NUT	V,AB, AU	1
29	MS21042L3		..NUT	V,AU	1

24-33-72

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 03- -29A	H52732-3CD		..NUT- (V15653) (SPEC BACN10YR3CD) (OPT PLH53CD (V62554))	AB	1
30	433-100-004		..GUARD-SWITCH (V81590) (SPEC S231T290-823)	J-M,R ,S,V, W,Y-A B,A J-AL, AN AQ,AR ,AU	1
35	BCREF8559		..LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2195) (L2) (SPEC S231T300-2195) (OPT ITEM 35A)	J,K,M ,R,AJ ,AK,A N,AQ	1
-35A	BCREF6118		..LIGHT ASSY-DISCH IND (V81590) (434-674-1005-1195) (L2) (SPEC S231T300-1195) (OPT ITEM 35)	J,K,M ,R,AJ ,AK,A N,AQ	1
-35B	BCREF8559		..LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2195) (L2) (SPEC S231T300-2195)	L,S,V ,W, Y-AB, AL,AR ,AU	1

24-33-72

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
03-40	BCREF8558		..LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2194) (L1) (SPEC S231T300-2194) (OPT ITEM 40A)	J,K,M ,R,AJ ,AK,A N,AQ	1
-40A	BCREF6117		..LIGHT ASSY-DISCH IND (V81590) (434-674-1005-1194) (L1) (SPEC S231T300-1194) (OPT ITEM 40)	J,K,M ,R,AJ ,AK,A N,AQ	1
-40B	BCREF8558		..LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2194) (L1) (SPEC S231T300-2194)	L,S,V ,W Y-AB, AL,AR ,AU	1
45	AC45-0036-1		..SWITCH-ROTARY (V91812) (S1) (OPT ITEM 45A)	J-M,A J-AL, AN	1
-45A	AC45-0036		..SWITCH-ROTARY (V91812) (S1) (OPT ITEM 45)	J-M,A J-AL, AN	1
-45B	3600-5478		..SWITCH-ROTARY (V31946) (S1)	R,S,W ,Y,AA ,AB,A Q,AR V,AU	1
-45C	AC45-0036-1		..SWITCH-ROTARY (V91812) (S1)	V,AU	1
R -45D	AC45-0036-1		..SWITCH-ROTARY (V91812) (S1) (OPT ITEM 45E)	Z	1
R -45E	3600-5478		..SWITCH-ROTARY (V31946) (S1) (OPT ITEM 45D)	Z	1

24-33-72

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
03-50	233N3211-48		..BASEPLATE ASSY	J-M,R ,S,W, Y-AA, AJ-AL ,AN AQ,AR	1
52	233N3211-57		DELETED		
53	233N3211-59		..BASEPLATE ASSY	V,AB, AU	1
			ATTACHING PARTS		
55	NAS514P632-5		..SCREW	J-M,W ,AJ-A L,AN	3
-55A	FH6C5CPL12BN		..SCREW- (V12324)	R,S,A Q,AR	3
R -55B	FH6C5TPKL12BN		..SCREW- (V12324)	Y-AA	3
57	FH6C5CPL12BN		..SCREW- (V12324) -----*	V,AB, AU	3
60	PFSC35-38ASEMB		...STUD- (V72794) (SPEC BACS21DX1B)	J-M,R ,S,V, W,Y-A B,A J-AL, AN AQ,AR ,AU	4
65	SF6G6CBB5D		...NUT- (V12324)	J-M,R ,S,V, W,Y-A B,A J-AL, AN AQ,AR ,AU	2

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.101 Page 1056  
 Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
03-70	BACP10U0225N		...BASEPLATE	J-M,R ,S,W, Y-AA, AJ-AL ,AN AQ,AR	1
72	BACP10U0225N		DELETED		
73	BACP10U0225NC		...PANEL ASSY	V,AB, AU	1
75	NAS1801-06-5		..SCREW	J-L,A J-AL	3
-75A	BACS12CB06-5		..SCREW	M,AN	3
-75B	MS51957-27		..SCREW	R,S,A Q,AR	3
R -75C	BACS12CK06U5		..SCREW	W,AB	3
R -75D	BACS12HN06-5		..SCREW	Y-AA	3
77	MS51957-27		..SCREW	V,AU	3
80	MS35338-41		..WASHER	J-M,A J-AL, AN	3
-80A	MS35338-136		..WASHER	R,S,A Q,AR	3
R -80B	BACW10EC06C		..WASHER	W,AB	3
R -80C	BACW10EC06S		..WASHER	Y-AA	3
82	MS35338-136		..WASHER	V,AU	3
85	69B46200-17		..STANDOFF	J-M,R ,S,W, Y-AA, AJ-AL ,AN AQ,AR	3
87	69B46200-17		..STANDOFF	V,AB, AU	3
90	NAS1801-04-5		..SCREW	J-L,A J-AL	2
-90A	MS51957-14		..SCREW	R,S,A Q,AR	2
-90B	BACS12CK04-5		DELETED		
R -90C	BACS12HN04-5		..SCREW	Y,Z	2
95	BACS12CB04-5		..SCREW	M,AN	3

24-33-72



FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 03-					
R -95A	BACS12CK04-5		..SCREW	W	3
R -95B	BACS12HN04-5		..SCREW	AA	3
97	MS51957-14		..SCREW	V, AU	3
R -97A	BACS12CK04U5		..SCREW	AB	3
100	K19798-04		..NUT- (V15653) (SPEC BACN10NW1) (OPT RMA4812-160-40 (V72962)) (OPT 293162 (V60119))	J-L, R , S, Y, Z, A J-AL, AQ, AR	2
105	K19798-04		..NUT- (V15653) (SPEC BACN10NW1) (OPT RMA4812-160-40 (V72962)) (OPT 293162 (V60119))	M, W, A A, AN	3
107	K19798-04		..NUT- (V15653) (SPEC BACN10NW1) (OPT RMA4812-160-40 (V72962)) (OPT 293162 (V60119))	V, AB, AU	3
110	BACC45FN20-41P		..CONNECTOR- (J2)	J-M, R , S, V, W, Y-A B, A J-AL, AN AQ, AR , AU	1
115	233N3250-5		..BRACKET-SPRT	J-M, R , S, W, Y-AA, AJ-AL , AN AQ, AR	1
117	233N3250-5		..BRACKET-SPRT	V, AB, AU	1
-120	233N3211-16		..WIRE BUNDLE ASSY	J, K, R , W, Y, AJ, AK , AQ	1

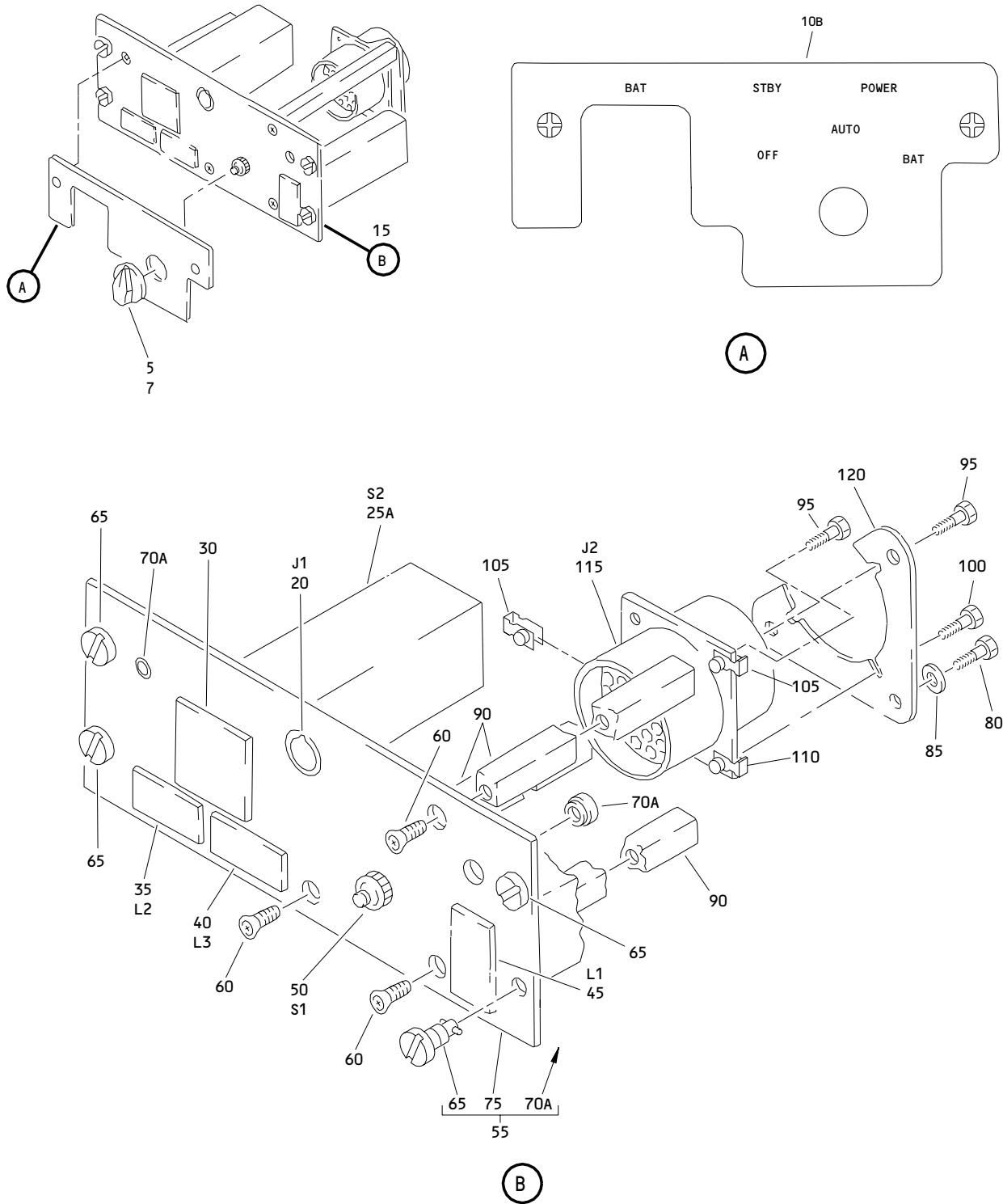
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 ILLUSTRATED PARTS LIST  
 01.101 Page 1058  
 Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
03- -125	233N3211-9		..WIRE BUNDLE ASSY	L,M,S ,Z,AA ,AL,A N,AR	1
-125A	233N3211-60		..WIRE BUNDLE ASSY	V,AB, AU	1

- Item Not Illustrated

**24-33-72**



Battery Standby Power Panel Assembly, M10062  
 Figure 4

**24-33-72**

ILLUSTRATED PARTS LIST  
 01.101 Page 1060  
 Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
04- -1A	233N3211-303		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	N	RF
-1B	233N3211-305		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	P	RF
-1C	233N3211-308		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	Q	RF
-1D	233N3211-309		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	T	RF
R -1E	233N3211-316		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02)	U	RF
R -1F	233N3211-319		PANEL ASSY-M10062 BATTERY STBY PWR	X	RF
R -1G	233N3211-1303		PANEL ASSY-M10062 BATTERY STBY PWR	AM	RF
R -1H	233N3211-1305		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AP	RF
R -1J	233N3211-1308		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AS	RF
R -1K	233N3211-1309		PANEL ASSY-M10062 BATTERY STBY PWR (POST SB 233N3211-24-02)	AT	RF
5	BP248-127		.KNOB- (V15084)	N-Q,U ,X,AM ,AP,A S	1
7	BP747-101		.KNOB- (V15084)	T,AT	1
10	S233T100-1081		DELETED		
R -10A	S233T100-1081		DELETED		
R 10B	800-000918		.LIGHTPLATE- (V05617) (SPEC S233T100-1081) (OPT S233T100-1081 (V51896))	N-Q,U ,X,AM ,AP,A S	1
-10C	S233T100-1128		DELETED		

24-33-72

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
04- -10D	800-008032		.LIGHTPLATE- (V05617) (SPEC S233T100-1128) (OPT S233T100-1128 (V51896))	T,AT	1
15	233N3211-40		.PANEL ASSY- (PRE SB 233N3211-24-02)	N	1
-15A	233N3211-46		.PANEL ASSY- (PRE SB 233N3211-24-02)	P	1
-15B	233N3211-54		.PANEL ASSY- (PRE SB 233N3211-24-02)	Q,T	1
R -15C	233N3211-66		.PANEL ASSY	U	1
R -15D	233N3211-68		.PANEL ASSY	X	1
R -15E	233N3211-1040		.PANEL ASSY- (POST SB 233N3211-24-02)	AM	1
R -15F	233N3211-1046		.PANEL ASSY- (POST SB 233N3211-24-02)	AP	1
R -15G	233N3211-1054		.PANEL ASSY- (POST SB 233N3211-24-02)	AS,AT	1
20	800000121-1		..CONNECTOR-PWR (V05617) (J1)	N,Q,T ,AM,A S,AT	1
-20A	800-000121-1		..CONNECTOR-PWR (V05617) (J1)	P,U,X ,AP	1
25 25A	S231T290-5024 BCREFA0510		DELETED ..SWITCH-LIGHTED PUSH BUTTON (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (OPT ITEM 25C)	N,P	1
-25B	BCREFA0510		..SWITCH-LIGHTED PUSH BUTTON (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024)	AS,AT	1
-25C	851-35100-5024		..SWITCH-PUSH BUTTON (V96182) (S2) (SPEC S231T290-5024) (OPT ITEM 25A)	N,P	1

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.101 Page 1062  
 Jul 01/03

 **BOEING**  
COMPONENT  
MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 04-25D	4336731004-4224		..SWITCH-PUSH BUTTON (V81590) (S2)	U,X	1
R -25E	BCREFA0510		..SWITCH-LIGHTED PUSH BUTTON (USE WITH CONFIGURATION "D" MASTER MODULE. SEE REPAIR FOR ADDITIONAL INFORMATION) (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (OPT ITEM 25F)	AM,AP	1
R -25F	851-35100-5024		..SWITCH-PUSH BUTTON (V96182) (S2) (SPEC S231T290-5024) (OPT ITEM 25E)	AM,AP	1
R -25G	BCREFA0510		..SWITCH-LIGHTED PUSH BUTTON (USE WITH CONFIGURATION "D" MASTER MODULE. SEE REPAIR FOR ADDITIONAL INFORMATION) (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024)	AS,AT	1
30	433-100-004		..GUARD-SWITCH (V81590) (SPEC S231T290-823)	N-Q,T ,U,X, AM,AP ,AS,A T	1
35	BCREF8593		..LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2291) (L2) (SPEC S231T300-2291) (OPT ITEM 35A)	N,Q,T ,U,X, AM,AP ,AS,A T	1

**24-33-72**

ILLUSTRATED PARTS LIST  
01.101 Page 1063  
Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
04- -35A	BCREF6430		..LIGHT ASSY-MAIN BAT DISCH IND (V81590) (434-674-1005-1291) (L2) (SPEC S231T300-1291) (OPT ITEM 35)	N,Q,T U,X, AM,AS AT	1
-35B	BCREF8593		..LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2291) (L2) (SPEC S231T300-2291) (ITEM 35C WITH WHITE DOT IDENTIFIER ON THE CAP ASSEMBLY IS OPTIONAL TO ITEM 35B)	P,AP	1
-35C	BCREF6430		..LIGHT ASSY-MAIN BAT DISCH (V81590) (434-674-1005-1291) (L2) (SPEC S231T300-1291) (ITEM 35C WITH WHITE DOT IDENTIFIER ON THE CAP ASSEMBLY IS OPTIONAL TO ITEM 35B)	P,AP	1
40	BCREF8594		..LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2292) (L3) (SPEC S231T300-2292) (OPT ITEM 40A)	N,Q,T U,X, AM,AS AT	1
-40A	BCREF6431		..LIGHT ASSY-DISCH IND (V81590) (434-674-1005-1292) (L3) (SPEC S231T300-1292) (OPT ITEM 40)	N,Q,T U,X, AM,AS AT	1

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.101 Page 1064  
 Jul 01/03

 **BOEING**  
COMPONENT  
MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
04- -40B	BCREF6431		..LIGHT ASSY-DISCH IND (V81590) (434-674-1005-1292) (L3) (SPEC S231T300-1292) (ITEM 40B WITH WHITE DOT IDENTIFIER ON THE CAP ASSEMBLY IS OPTIONAL TO ITEM 40C)	P,AP	1
-40C	BCREF8594		..LIGHT ASSY-DISCH IND (V81590) (434-674-1005-2292) (L3) (SPEC S231T300-2292) (ITEM 40B WITH WHITE DOT IDENTIFIER ON THE CAP ASSEMBLY IS OPTIONAL TO ITEM 40C)	P,AP	1
45	BCREF8558		..LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2194) (L1) (SPEC S231T300-2194) (OPT ITEM 45A)	N,Q,T ,U,X, AM,AS ,AT	1
-45A	BCREF6117		..LIGHT ASSY-DISCH IND (V81590) (434-674-1005-1194) (L1) (SPEC S231T300-1194) (OPT ITEM 45)	N,Q,T ,U,X, AM,AS ,AT	1
-45B	BCREF6117		..LIGHT ASSY-DISCH IND (V81590) (434-674-1005-1194) (L1) (SPEC S231T300-1194) (ITEM 45B WITH WHITE DOT IDENTIFIER ON CAP ASSEMBLY IS OPTIONAL TO TO ITEM 45C)	P,AP	1

24-33-72

ILLUSTRATED PARTS LIST  
01.101 Page 1065  
Jul 01/03



FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
04- -45C	BCREF8558		..LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2194) (L1) (SPEC S231T300-2194) (ITEM 45B WITH WHITE DOT IDENTIFIER ON CAP ASSEMBLY IS OPTIONAL TO TO ITEM 45C)	P,AP	1
50	AC45-0036-1		..SWITCH-ROTARY (V91812) (S1) (OPT ITEM 50A)	N,P,A M,AP	1
-50A	AC45-0036		..SWITCH-ROTARY (V91812) (S1) (OPT ITEM 50)	N,P,A M,AP	1
-50B	3600-5478		..SWITCH-ROTARY (V31946) (S1)	Q,T,X ,AS,A T	1
R -50C	3600-5478		..SWITCH-ROTARY (V31946) (S1) (OPT ITEM 50D)	U	1
R -50D	AC45-0036-1		..SWITCH-ROTARY (V91812) (S1) (OPT ITEM 50C)	U	1
55	233N3211-49		..BASEPLATE ASSY	N-Q,T ,U,X, AM,AP ,AS,A T	1
ATTACHING PARTS					

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.101 Page 1066  
 Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
04-60	NAS514P632-5		..SCREW	N,P,U ,X,AM ,AP	3
-60A	FH6C5CPL12BN		..SCREW- (V12324) -----*-----	Q,T,A S,AT	3
65	PFSC35-38ASEMB		...STUD- (V72794) (SPEC BACS21DX1B)	N-Q,T ,U,X, AM,AP ,AS,A T	4
R 70A	SF6G6CBB5D SF6G6CBB5D		DELETED ...NUT- (V12324)	N-Q,T ,U,X, AM,AP ,AS,A T	2
R 75	BACP10U0225N		...BASEPLATE	N-Q,T ,U,X, AM,AP ,AS,A T	1
75A	BACP10U0225NC		DELETED		
80	NAS1801-06-5		..SCREW	N,AM	3
-80A	BACS12CB06-5		..SCREW	P,AP	3
-80B	MS51957-27		..SCREW	Q,T,A S,AT	3
R -80C	BACS12CK06U5		..SCREW	U,X	3
85	MS35338-41		..WASHER	N,P,A M,AP	3
-85A	MS35338-136		..WASHER	Q,T,A S,AT	3
R -85B	BACW10EC06C		..WASHER	U,X	3

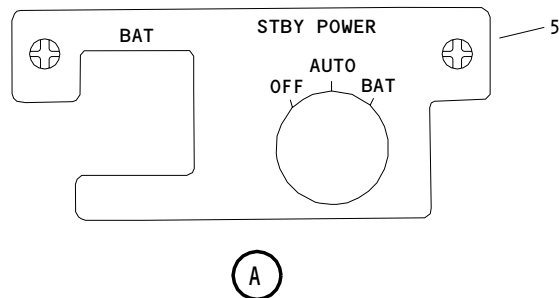
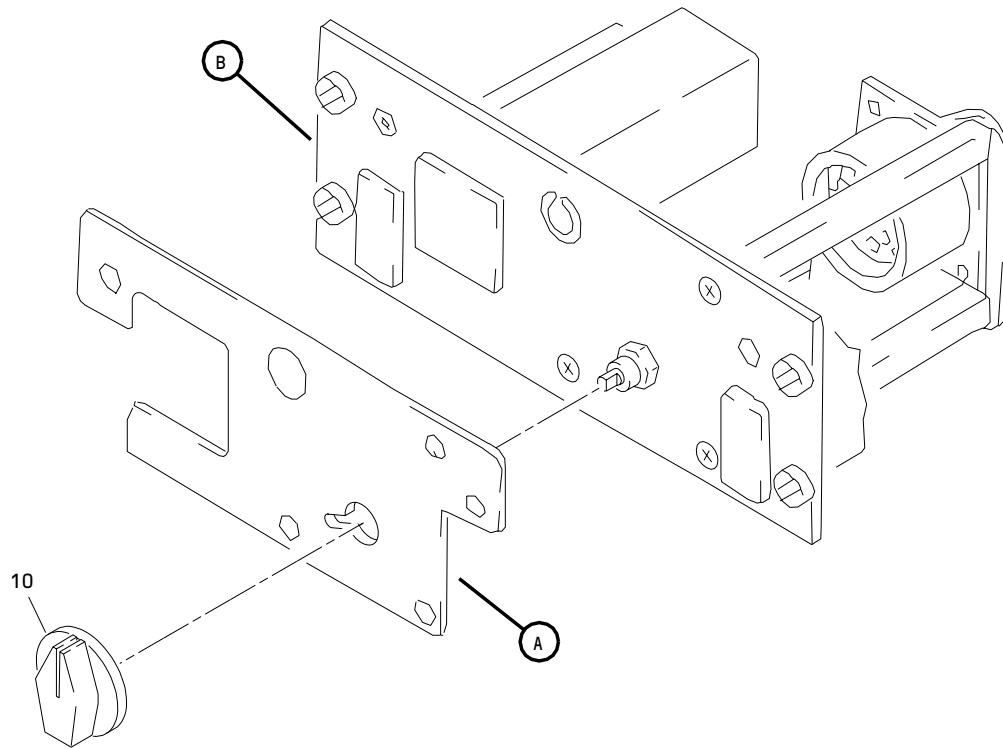
24-33-72

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
04-90	69B46200-17		..STANDOFF	N-Q,T U,X AM,AP AS,A T	3
95	NAS1801-04-5		..SCREW	N,AM	2
-95A	BACS12CB04-5		..SCREW	P,AP	2
-95B	MS51957-14		..SCREW	Q,T,A S,AT	2
R -95C	BACS12CK04U5		..SCREW	U,X	2
100	BACS12CB04-5		..SCREW	P,AP	1
105	K19798-04		..NUT- (V15653) (SPEC BACN10NW1) (OPT RMA4812-160-40 (V72962)) (OPT 293162 (V60119))	N-Q,T U,X AM,AP AS,A T	2
110	K19798-04		..NUT- (V15653) (SPEC BACN10NW1) (OPT RMA4812-160-40 (V72962)) (OPT 293162 (V60119))	P,AP	1
115	BACC45FN20-41P		..CONNECTOR- (J2)	N-Q,T U,X AM,AP AS,A T	1
120	233N3250-5		..BRACKET-SPRT	N-Q,T U,X AM,AP AS,A T	1
-125	233N3211-14		..WIRE BUNDLE ASSY	N,Q,T X,AM AS,A T	1
-125A	233N3211-18		..WIRE BUNDLE ASSY	P,U,A P	1

- Item Not Illustrated

# 24-33-72

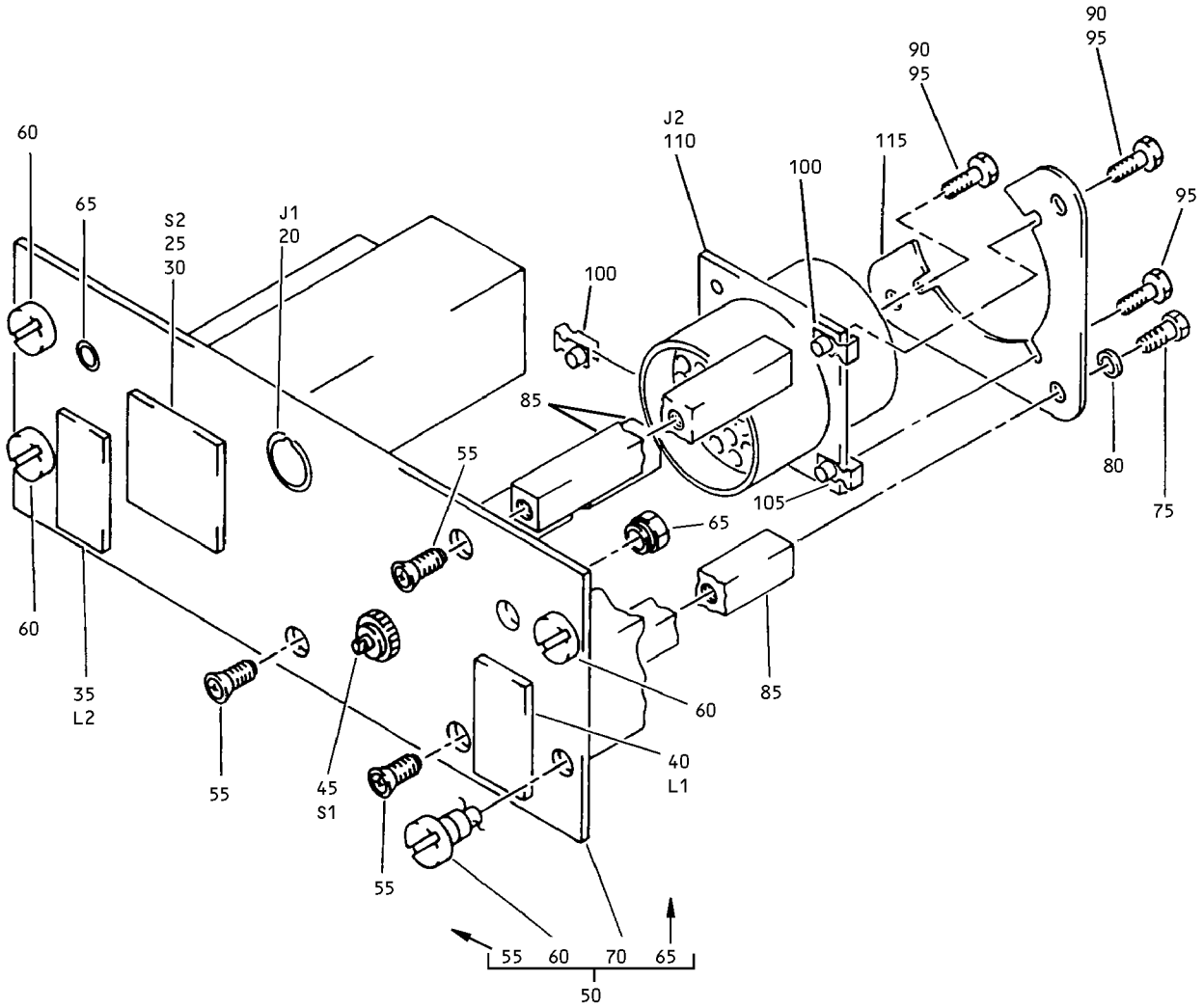
 ILLUSTRATED PARTS LIST  
 01.101 Page 1068  
 Jul 01/03



Battery Standby Power Panel Assembly, M10062  
Figure 5 (Sheet 1)

**24-33-72**

ILLUSTRATED PARTS LIST  
01.1 Page 1069  
Jul 01/03



M10062 Battery Standby Power Panel Assembly  
 Figure 5 (Sheet 2)

**24-33-72**

ILLUSTRATED PARTS LIST  
 01.1 Page 1070  
 Jul 01/03



**BOEING**  
COMPONENT  
MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
05- -1	233T3100-273		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02 R1)	AY	RF
-1A	233T3100-287		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02 R1)	AZ	RF
5	S233T100-1080		.LIGHTPLATE (V51896)		1
10	BP248-110		.KNOB (V15084) (OPT ITEM 10A)		1
-10A	BP248-127		.KNOB (V15084) (OPT ITEM 10)		1
-15	233N3211-41		.PANEL ASSY-M10062 BATTERY STBY PWR	AY	1
-15A	233N3211-42		.PANEL ASSY-M10062 BATTERY STBY PWR	AZ	1
20	800000121-1		..CONNECTOR-PWR (V05617) (J1)	AY	1
-20A	800-000121-1		..CONNECTOR-PWR (V05617) (J1)	AZ	1
25	BCREFA0510		..SWITCH-LIGHTED PUSHBUTTON (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (851-30768-2024 TOGETHER WITH 851-3768-803 -813 OR 433-100-004 SWITCH- GUARD I/W BCREFA0510 OR 851-30768-3024 BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD)	AY	1

**24-33-72**

ILLUSTRATED PARTS LIST  
01.1 Page 1071  
Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
05- -25A	BCREFA0510		..SWITCH-LIGHTED PUSHBUTTON (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREF7611 851-30768-3024 BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD)	AZ	1
-25B	851-35100-5024		..SWITCH-PUSHBUTTON (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREF7611 851-30768-3024 BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD) (V96182) (S2) (SPEC S231T290-5024) (OPT ITEM 25)	AY	1
30	433-100-004		..GUARD-SWITCH (V81590) (SPEC S231T290-823) (433-100-004 MAY REPLACE 851-30768-813 EXCEPT 851-30768-813 OPTIONAL TO 433-100-004 FOR NA213NA214)		1
35	BCREF8559		..LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2195) (L2) (SPEC S231T300-2195) (OPT ITEM 35A)	AZ	1

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.1 Page 1072  
 Jul 01/03



**BOEING**  
COMPONENT  
MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
05- -35A	BCREF6118		..LIGHT ASSY-DISCH IND (V81590) (434-674-1005-1195) (L2) (SPEC S231T300-1195) (OPT ITEM 30A)	AZ	1
-35B	BCREF8559		..LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2195) (L2) (SPEC S231T300-2195)	AY	1
40	BCREF8558		..LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2194) (L1) (SPEC S231T300-2194) (OPT ITEM 40A)	AZ	1
-40A	BCREF6117		..LIGHT ASSY-DISCH IND (V81590) (434-674-1005-1194) (L1) (SPEC S231T300-1194) (OPT ITEM 40)	AZ	1
-40B	BCREF8558		..LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2194) (L1) (SPEC S231T300-2194)	AY	1
45	AC45-0036-1		..SWITCH-ROTARY (V91812) (S1) (OPT ITEM 45A)		1
-45A	AC45-0036		..SWITCH-ROTARY (V91812) (S1) (OPT ITEM 45)		1
50	233N3211-48		..BASEPLATE ASSY ATTACHING PARTS		1
55	NAS514P632-5		..SCREW -----*		3
60	PFSC35-38ASEMB		...STUD- (V72794) (SPEC BACS21DX1B)		4
65	SF6G6CBB5D		...NUT- (V12324)		2

**24-33-72**

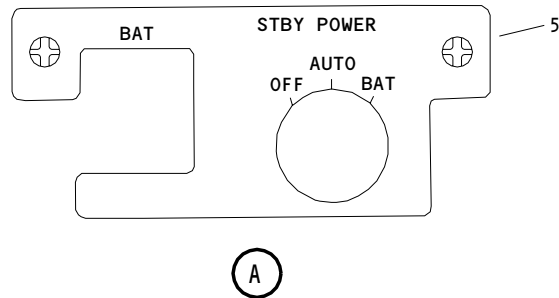
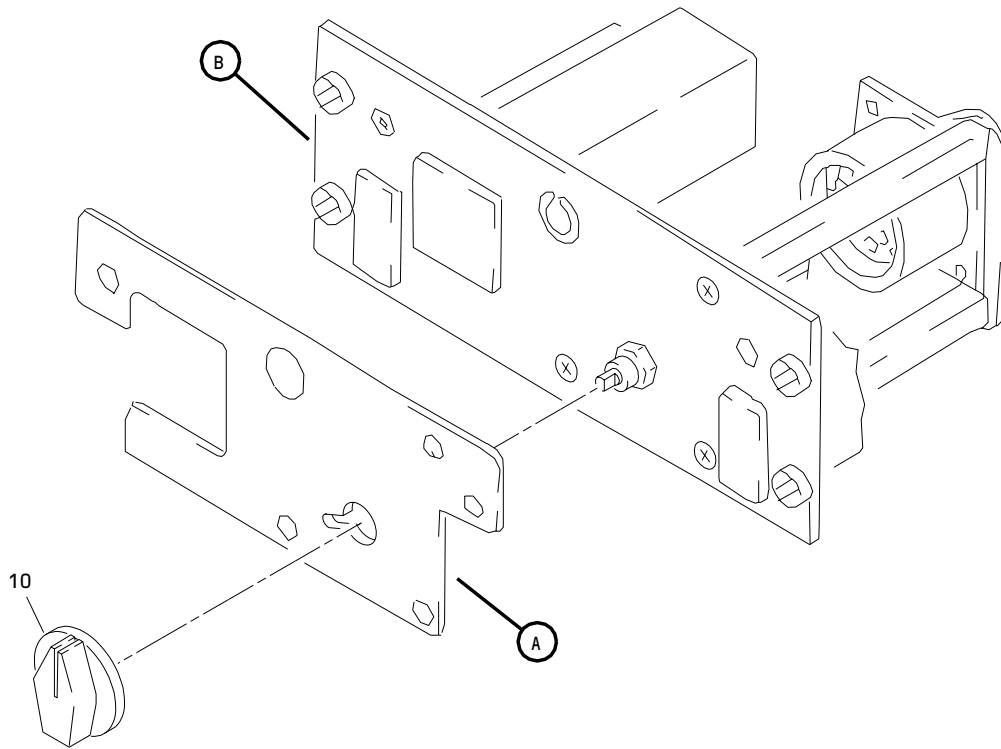
ILLUSTRATED PARTS LIST  
01.1 Page 1073  
Jul 01/03



FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
05-					
70	BACP10U0225NC		...PANEL ASSY		1
75	NAS1801-06-5		..SCREW	AY	3
-75A	BACS12CB06-5		..SCREW		3
80	MS35338-41		..WASHER		3
85	69B46200-17		..STANDOFF		3
90	NAS1801-04-5		..SCREW	AY	2
95	BACS12CB04-5		..SCREW	AZ	3
100	K19798-04		..NUT- (V15653) (SPEC BACN10NW1) (OPT RMA4812-160-40 (V72962)) (OPT 293162 (V60119))		2
105	K19798-04		..NUT- (V15653) (SPEC BACN10NW1) (OPT RMA4812-160-40 (V72962)) (OPT 293162 (V60119))	AZ	1
110	BACC45FN20-41P		..CONNECTOR- (J2)		1
115	233N3250-5		..BRACKET-SPRT		1
-120	233N3211-9		..WIRE BUNDLE ASSY		1

- Item Not Illustrated

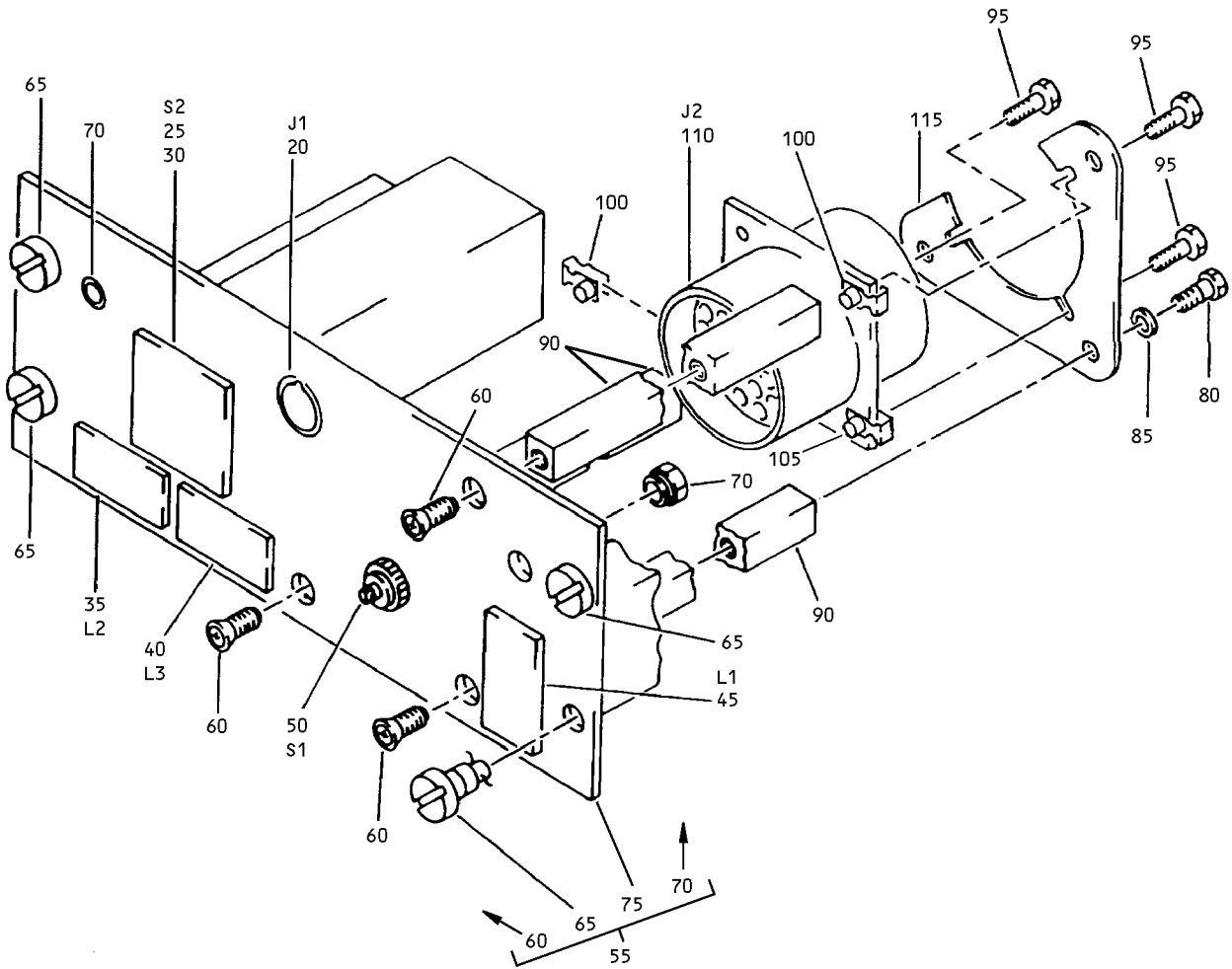
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Battery Standby Power Panel Assembly, M10062  
Figure 6 (Sheet 1)

**24-33-72**

ILLUSTRATED PARTS LIST  
01.1 Page 1075  
Jul 01/03



M10062 Battery Standby Power Panel Assembly  
 Figure 6 (Sheet 2)

**24-33-72**

ILLUSTRATED PARTS LIST  
 01.1 Page 1076  
 Jul 01/03

W01702

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
06- -1	233T3100-296		PANEL ASSY-M10062 BATTERY STBY PWR (PRE SB 233N3211-24-02 R1)	BA	RF
5	S233T100-1081		.LIGHTPLATE (V51896)		1
10	BP248-110		.KNOB (V15084) (OPT ITEM 10A)		1
-10A	BP248-127		.KNOB (V15084) (OPT ITEM 10)		1
-15	233N3211-46		.PANEL ASSY-M10062 BATTERY STBY PWR		1
20	800-000121-1		..CONNECTOR-PWR (V05617) (J1)		1
25	BCREFA0510		..SWITCH-LIGHTED PUSHBUTTON (V81590) (433-673-1004-4024) (S2) (SPEC S231T290-4024) (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREF7611 851-30768-3024 OR BCREFA0510 WITH 433-100-004 SWITCHGUARD) (OPT ITEM 25A)		1
-25A	851-35100-5024		..SWITCH-PUSHBUTTON (851-30768-2024 TOGETHER WITH 851-30768-803 -813 OR 433-100-004 SWITCHGUARD I/W BCREF7611 851-30768-3024 BCREFA0510 OR 851-35100-5024 WITH 433-100-004 SWITCHGUARD) (V96182) (S2) (SPEC S231T290-5024) (OPT ITEM 25)		1

**24-33-72**

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
06-30	433-100-004		..GUARD-SWITCH (V81590) (SPEC S231T290-823) (433-100-004 MAY REPLACE 851-30768-813 EXCEPT 851-30768-813 OPTIONAL TO 433-100-004 FOR NA213NA214)		1
35	BCREF8593		..LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2291) (L2) (SPEC S231T300-2291) (OPT ITEM 35A)		1
-35A	BCREF6430		..LIGHT ASSY-MAIN BAT DISCH IND (V81590) (434-674-1005-1291) (L2) (SPEC S231T300-1291) (OPT ITEM 35)		1
40	BCREF8594		..LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2292) (L3) (SPEC S231T300-2292) (OPT ITEM 40A)		1
-40A	BCREF6431		..LIGHT ASSY-DISCH IND (V81590) (434-674-1005-1292) (L3) (SPEC S231T300-1292) (OPT ITEM 40)		1
45	BCREF8558		..LIGHT ASSY-DISCH IND (V81590) (434-674-1031-2194) (L1) (SPEC S231T300-2194) (OPT ITEM 45A)		1
-45A	BCREF6117		..LIGHT ASSY-DISCH IND (V81590) (434-674-1005-1194) (L1) (SPEC S231T300-1194) (OPT ITEM 45)		1

# 24-33-72

 ILLUSTRATED PARTS LIST  
 01.1 Page 1078  
 Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
06-50	AC45-0036-1		..SWITCH-ROTARY (V91812) (S1) (OPT ITEM 50A)		1
-50A	AC45-0036		..SWITCH-ROTARY (V91812) (S1) (OPT ITEM 50)		1
55	233N3211-49		..BASEPLATE ASSY ATTACHING PARTS		1
60	NAS514P632-5		..SCREW -----*-----		3
65	PFSC35-38ASEMB		...STUD- (V72794) (SPEC BACS21DX1B)		4
70	SF6G6CBB5D		...NUT- (V12324)		2
75	BACP10U0225N		...BASEPLATE		1
80	BACS12CB06-5		..SCREW		3
85	MS35338-41		..WASHER		3
90	69B46200-17		..STANDOFF		3
95	BACS12CB04-5		..SCREW		3
100	K19798-04		..NUT- (V15653) (SPEC BACN10NW1) (OPT RMA4812-160-40 (V72962)) (OPT 293162 (V60119))		2
105	K19798-04		..NUT- (V15653) (SPEC BACN10NW1) (OPT RMA4812-160-40 (V72962)) (OPT 293162 (V60119))		1
110	BACC45FN20-41P		..CONNECTOR- (J2)		1
115	233N3250-5		..BRACKET-SPRT		1
-120	233N3211-18		..WIRE BUNDLE ASSY		1

- Item Not Illustrated

**24-33-72**