TO: ALL HOLDERS OF ALTERNATE THRUST REVERSER HYDRAULICS PANEL ASSEMBLY M1100
COMPONENT MAINTENANCE MANUAL 29-11-52

REVISION NO. 5 DATED JAN 01/88

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 1	Added P/N 233T3240-14 which uses improved optional lighted switches per PRR B11632.
TR & SB RECORD 1 101-102,105-106, 109 1008-1009,1011-1012	
TITLE PAGE 1 102,109	Deleted P/N 233N3240-6, -11 (part never issued).
CONTENTS 1	Update table of contents.
103-106	Revised test to improve testing sequence.
107	Added switch labels.

BOEING

COMPONENT
MAINTENANCE MANUAL

ALTERNATE THRUST REVERSER HYDRAULICS PANEL ASSEMBLY M1100

PART NUMBER 233T3240-1,-14

COMPONENT MAINTENANCE MANUAL
WITH
ILLUSTRATED PARTS LIST

58286

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

TEMPORARY REVISION AND SERVICE BULLETIN RECORD

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVE	DATE OF INCORPORATION INTO MANUAL
		PRR B11091	JAN 10/85
		PRR B11110	JAN 10/85
		PRR C12526	OCT 10/85
		PRR B11632	JAN 01/88

PAGE	DATE	CODE
29-11-52		
TITLE PAGE		
*1	JAN 01/88	01.1
2	BLANK	
REVISION RECORD		
1	JUL 10/83	01
2	BLANK	
TR & SB RECORD		
*1	JAN 01/88	01.1
2	BLANK	
LIST OF EFFECTIVE PAGES		
*1	JAN 01/88	01
THRU LAST PAGE		
CONTENTS		
*1	JAN 01/88	01.1
2	BLANK	
INTRODUCTION		
1	OCT 10/85	01.1
2	BLANK	
DESCRIPTION & OPERATION		
1	JUL 10/83	01
2	BLANK	
TESTING & TROUBLE SHOOTING		
*101	JAN 01/88	01.1
*102	JAN 01/88	01.1
*103	JAN 01/88	01.1
*104	JAN 01/88	01.1
*105	JAN 01/88	01.1
*106	JAN 01/88	01.1
*107	JAN 01/88	01.1
108	BLANK	
*109	JAN 01/88	01.1
110	BLANK	

PAGE	DATE	CODE
REPAIR-GENERAL		
601	JUL 10/83	01
602	BLANK	
ILLUSTRATED PARTS LIST		
1001	JUL 10/83	01
*1002	JAN 01/88	01.1
*1003	JAN 01/88	01.1
*1004	JAN 01/88	01.1
*1005	JAN 01/88	01.1
*1006	JAN 01/88	01.101
*1007	JAN 01/88	01.1
*1008	JAN 01/88	01.1
*1009	JAN 01/88	01.1
*1010	JAN 01/88	01.101
*1011	JAN 01/88	01.1
*1012	JAN 01/88	01.1

* = REVISED, ADDED OR DELETED

TABLE OF CONTENTS

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

*[2] Special instructions not required.

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
2. Record of Revisions
3. Temporary Revisions & Service Bulletin Record
4. List of Effective Pages
5. Table of Contents
6. Introduction
7. Procedures and IPL Sections

Refer to the Table of Contents for the page location of applicable sections. An asterisked flagnote *[ ] in place of the page number indicates that no special instructions are provided since the function can be performed using standard industry practices.

An explanation of the use of the Illustrated Parts List is provided in the introduction of 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: Nov 11/82

Testing/TS

ALTERNATE THRUST REVERSER HYDRAULICS PANEL ASSEMBLY M1100

DESCRIPTION AND OPERATION

1. Description

   A. The alternate thrust reverser hydraulics panel assembly consists of a baseplate assembly and connectors. The baseplate assembly includes switches. The connectors are mounted on a bracket which is attached to the baseplate assembly by standoffs. A wire bundle assembly interconnects the switches with the connectors.

TESTING AND TROUBLE SHOOTING

1. Test Equipment

   A. Multimeter: Simpson 260 or equivalent

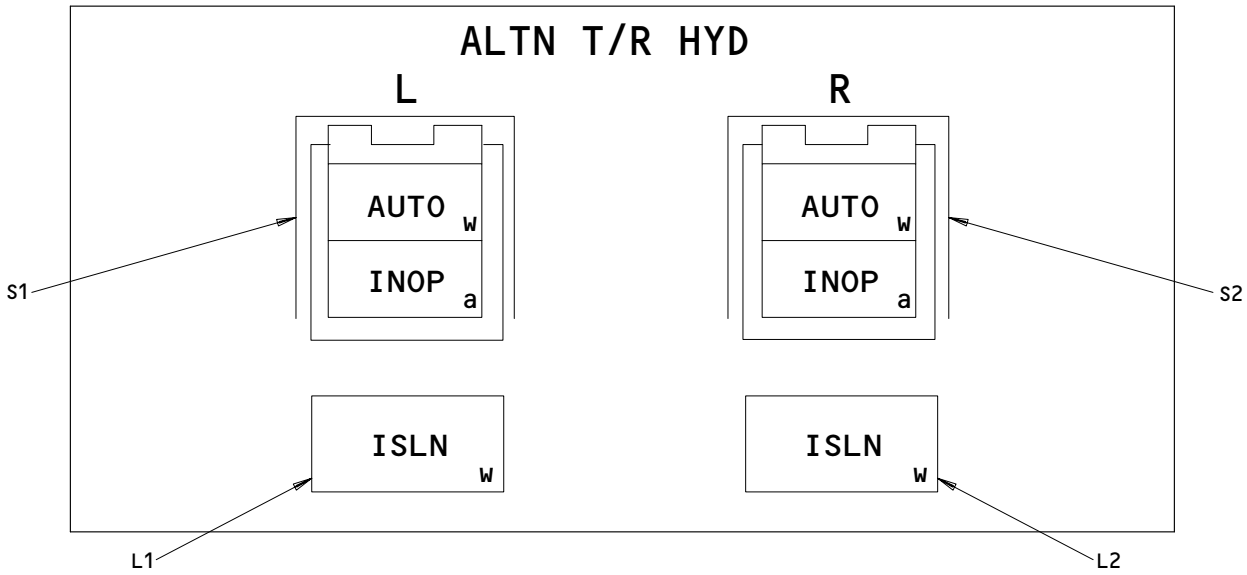
   B. Power supply: 0-30 vdc variable, 0.5 amp

   C. Test connectors: BACC45FT14-15S8 and BACC45FT14-15S9. Boeing breakout box A33003-2 with cables A33003-21 and -22 may be used.

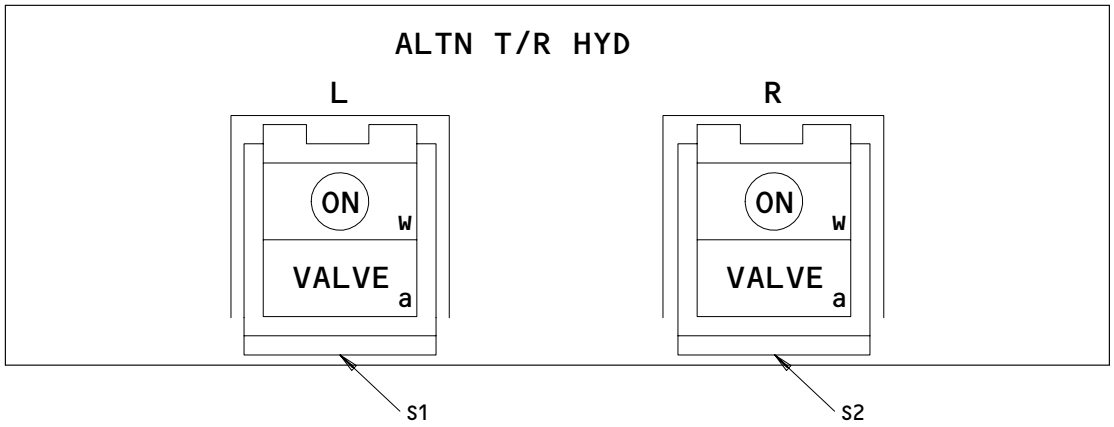
2. Functional Test

   A. Connect test connector BACC45FT14-15S8 to J1, BACC45FT14-15S9 to J2.

   B. For 233T3240-1 perform the test steps listed in Fig. 102. For 233T3240-14 perform the test steps in Fig. 103. Component locations are shown in Fig. 101.



233T3240-14



233T3240-1
Component Locations
Figure 101

57356

TEST PROCEDURE	REQUIRED RESULTS		COMP TEST
Test for continuity (less than 3 ohms) or open (greater than 15k ohms) between specified pins.			
	S1 on	S1 off	S1
J1-9 to J1-10	open	con	
J1-10 to J1-8	con	open	
J1-5 to J1-7	open	con	
J1-5 to J1-6	con	open	
J1-14 to J1-15	con	open	
J1-12 to J1-13	open	con	
J1-12 to J1-11	con	open	
	S2 on	S2 off	S2
J2-9 to J2-10	open	con	
J2-8 to J2-10	con	open	
J2-5 to J2-6	con	open	
J2-5 to J2-7	open	con	
J2-15 to J2-14	con	open	
J2-12 to J2-13	open	con	
J2-12 to J2-11	con	open	
Remove all connections.			
	Indicators (both bulbs) on only when specified.		
Apply +28 vdc to J1-3 and ground J1-4.	S1 VALVE		S1
Disconnect J1-4 and ground J1-5.	S1 VALVE		S1
Remove all connections.			
Ground J1-3. Apply +28 vdc momentarily to:			
J1-4	All indicators remain off.		S1
J1-5	All indicators remain off.		

Functional Test, 233T3240-1
Figure 102 (Sheet 1)

TEST PROCEDURE	REQUIRED RESULTS	COMP TEST
Remove all connections.		
Apply +28 vdc to J2-3 and ground J2-4.	S2 VALVE	S2
Disconnect J2-4 and ground J2-5.	S2 VALVE	S2
Remove all connections.		
Ground J2-3. Apply +28 vdc momentarily to:		
J2-4	All indicators remain off.	S2
J2-5	All indicators remain off.	S2
Remove all connections.		
Apply +5 vdc to J1-1 and ground J1-2.	S1 ON, S2 ON when pressed.	S1,S2
Remove all connections.		
Measure resistance between:		
J1-1 to center of lightplate connector.	3 ohms max	J3
J1-2 to baseplate.	3 ohms max	J3
J1-1 to J1-2 with S1 and S2 off.	15k ohms min	J3
Remove all connections.		

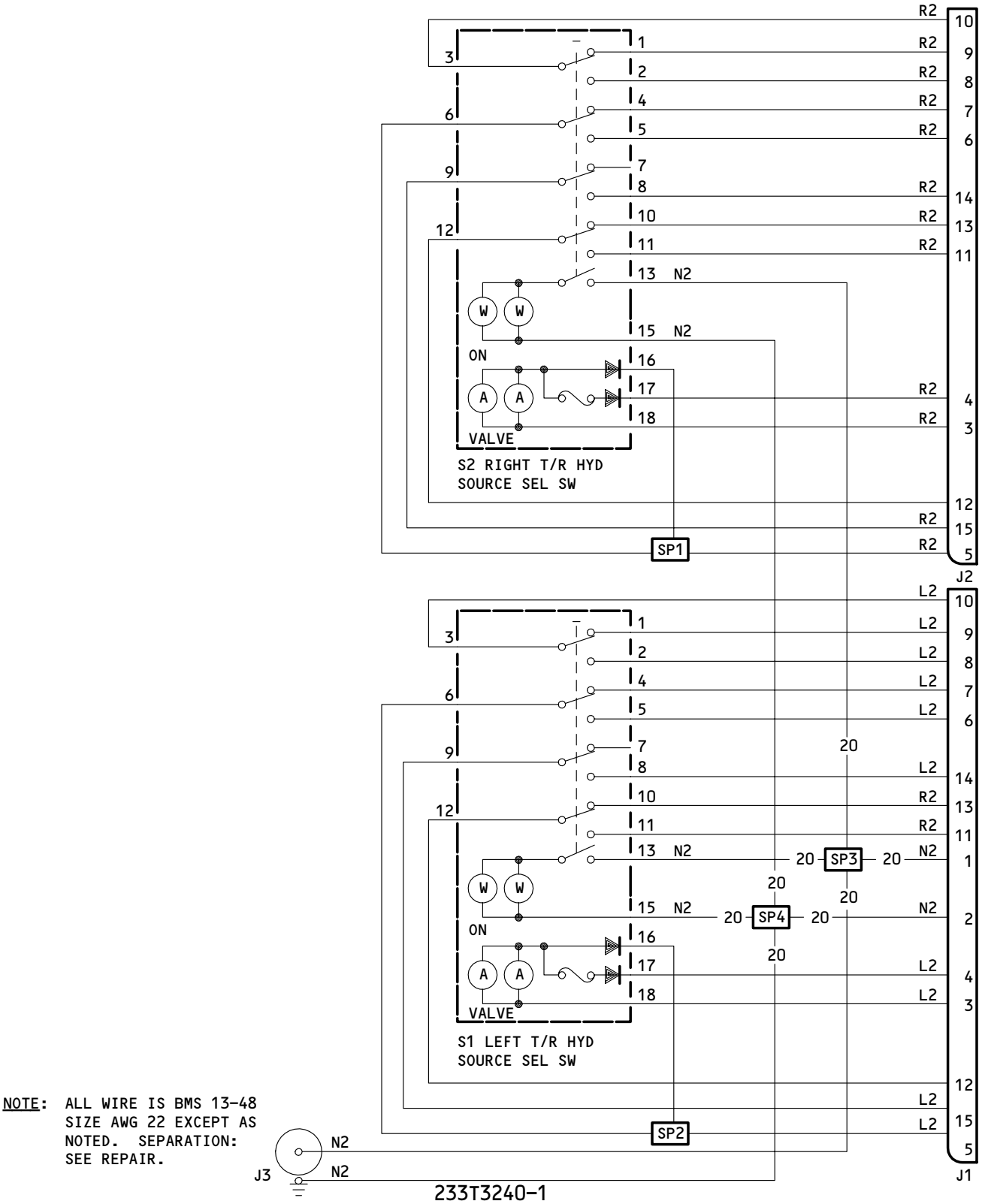
Functional Test, 233T3240-1
Figure 102 (Sheet 2)

TEST PROCEDURE	REQUIRED RESULTS		COMP TEST
Test for continuity (less than 3 ohms) or open (greater than 15K ohms) between the specified pins.			
	S1 on	S1 off	S1
J1-10 to J1-9	open	con	
J1-10 to J1-8	con	open	
J1-5 to J1-7	open	con	
(+) J1-5 to J1-6	50 ohms max		CR1
(+) J1-6 to J1-5	100k ohms min		CR1
	S2 on	S2 off	S2
J2-10 to J2-9	open	con	
J2-10 to J2-8	con	open	
J2-5 to J2-7	open	con	
(+) J2-5 to J2-6	50 ohms max		CR2
(+) J2-6 to J2-5	100k ohms min		CR2
Remove all connections.			
	Indicators (both bulbs) on only when specified.		
Apply +28 vdc to J1-3 and ground J1-4.	S1 INOP, L1 ISLN		S1,L1
Disconnect J1-4 and ground J1-5.	S1 INOP		S1
Disconnect J1-5 and ground J1-6.	S1 INOP		CR1
Remove all connections.			
Ground J1-3. Apply +28 vdc momentarily to:			
J1-4	All indicators remain off.		S1,L1
J1-5	All indicators remain off.		S1
J1-11	All indicators remain off.		L1

Functional Test, 233T3240-14
Figure 103 (Sheet 1)

TEST PROCEDURE	REQUIRED RESULTS	COMP TEST
Remove all connections.		
Apply +28 vdc to J2-3 and ground J2-4.	S2 INOP, L2 ISLN	S2,L2
Disconnect J2-4 and ground J2-5.	S2 INOP	S2
Disconnect J2-5 and ground J2-6.	S2 INOP	CR2
Remove all connections.		
Ground J2-3. Apply +28 vdc momentarily to:		
J2-4	All indicators remain off.	S2,L2
J2-5	All indicators remain off.	S2
J2-11	All indicators remain off.	L2
Remove all connections.		
Apply +5 vdc to J1-1 and ground J1-2.	S1 AUTO, S2 AUTO when pressed.	S1,S2
Remove all connections.		
Measure resistance between:		
J1-1 to center of lightplate connector.	3 ohms max	J3
J1-2 to baseplate.	3 ohms max	J3
J1-1 to J1-2 with S1 and S2 off.	15k ohms min	J3
Remove all connections.		

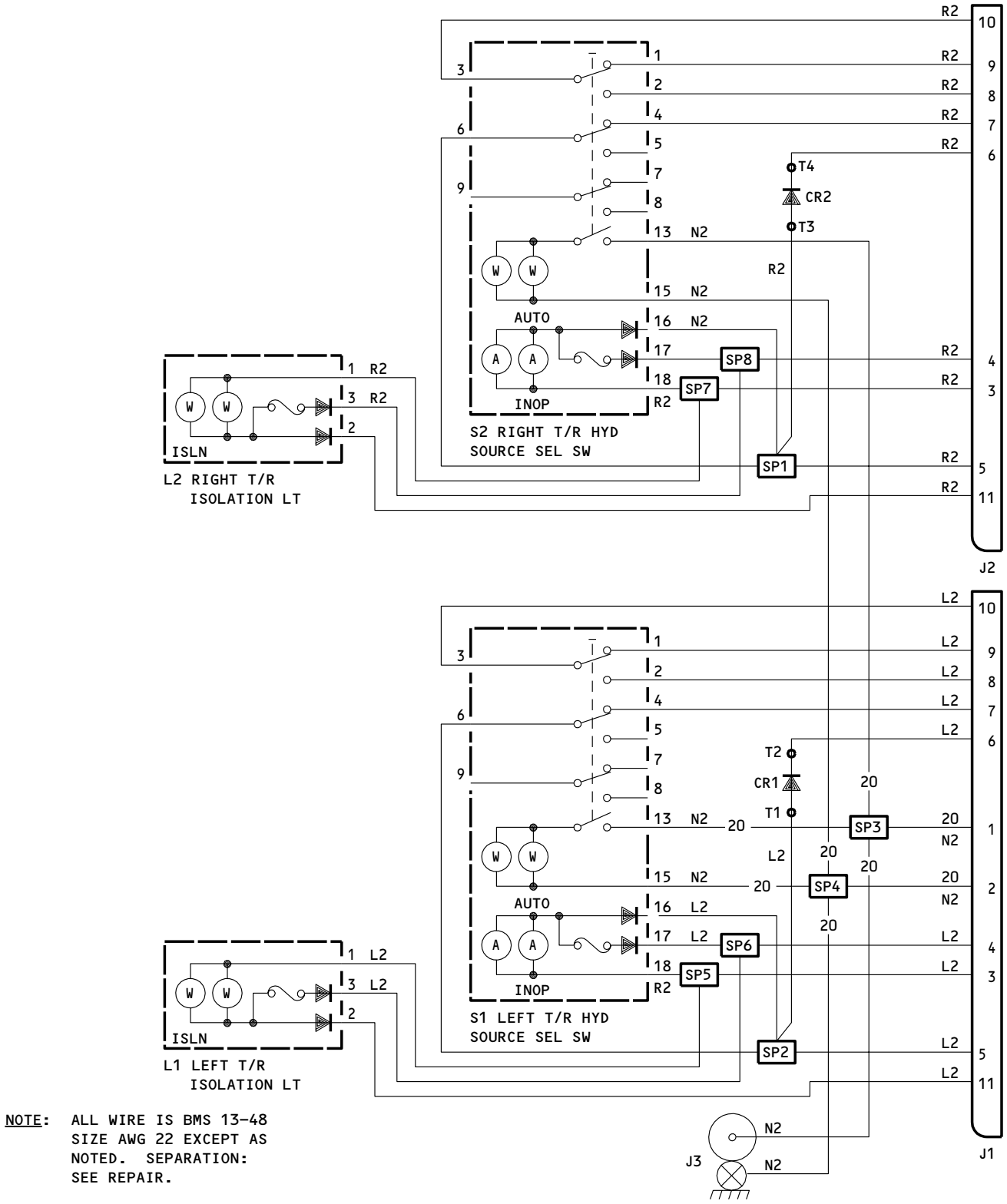
Functional Test, 233T3240-14
Figure 103 (Sheet 2)



NOTE: ALL WIRE IS BMS 13-48 SIZE AWG 22 EXCEPT AS NOTED. SEPARATION: SEE REPAIR.

233T3240-1
Schematic Diagram
Figure 104

57360



NOTE: ALL WIRE IS BMS 13-48 SIZE AWG 22 EXCEPT AS NOTED. SEPARATION: SEE REPAIR.

233T3240-14
Schematic Diagram
Figure 105

152512

REPAIR

1. Materials

   A. Varglas non-fray type HO or HP sleeving (Varflex Corporation, 512 W Court Street, Rome, New York, 13440)

2. All repairs can be done using standard industry practices and procedures in 20-11-05 except as listed below.

   A. When wires are replaced, a minimum spacing of one-quarter inch must be maintained between bundle categories labeled in the schematic. Wires labeled N2 may be bundled with wires of any category. Separators 63-9273-2 or Varglas sleeving may be used to assure proper spacing. Bundles are color-coded as follows: L2 (red), R2 (green), and N2 (white).

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 are 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.

VENDORS

02660 ALLIED CORP AMPHENOL PRODUCTS DIV COMMERCIAL & INDUSTRIAL
4300 COMMERCE COURT
LISLE, ILLINOIS 60532
FORMERLY AMPHENOL CONNECTOR DIV & AMPHENOL-BORG ELECTRONICS
FORMERLY BUNKER-RAMO CORP AMPHENOL NORTH AMERICAN DIV
FORMERLY BUNKER-RAMO CORP ELTRA CORP AMPHENOL DIV
AMPHENOL CORP CONNECTOR DIV SEE BUNKER-RAMO
BUNKER-RAMO CORP ELTRA CORP AMPHENOL DIV SEE ALLIED
CORP AMPHENOL PRODUCTS DIV COMMERCIAL & INDUSTRIAL OPRS

05617 BELL INDUSTRIES FARWEST MFG
18225 NORTHEAST 76TH STREET
REDMOND, WASHINGTON 98052
FORMERLY FARWEST ELECTRONIC INC
FORMERLY BELL INDUSTRIES FARWEST MFG DIV
FARWEST ELECTRONICS INC SEE BELL INDUSTRIES FARWEST MFG DIV

08524 DEUTSCH FASTENER CORP
1315 E GRAND AVE
EL SEGUNDO, CALIFORNIA 90245
FORMERLY IN LOS ANGELES, CALIFORNIA

1Y768 LITTON PRECISION PRODUCTS INC UNSECO DIVISION
13536 SATICOY STREET
VAN NUYS, CALIFORNIA 91402-6428

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
DUPREE MANUFACTURING CO SEE STAKE FASTENER
STAKE FASTENER CO DIV OF DUPREE INC SEE
DUPREE INC STAKE FASTENER CO

VENDORS

13556 TRW CINCH CONNECTORS NULINE FACILITY DIV OF TRW INC
8821 SCIENCE CENTER DRIVE
MINNEPOLIS, MINNESOTA 55428
FORMERLY CINCH-NULINE DIV UNITED-CAR INC AND CINCH-NULINE
DIV OF TRW AND TRW ELECTRONIC COMP AND TRW CINCH MFG CO
FORMERLY IN NEW HOPE, MINNESOTA
TRW ELECTRONIC COMPONENTS CINCH-NULINE DIV SEE TRW
CINCH-NULINE DIV TRW SEE TRW ELECTRONIC COMP CINCH-NULINE
TRW CINCH MFG CO SEE TRW CINCH CONNECTORS NULINE FACILITY

15653 KAYNAR MICRODOT AEROSPACE FASTENING SYSTEM
800 SOUTH COLLEGE BLVD PO BOX 3001
FULLERTON, CALIFORNIA 92634
FORMERLY MICRODOT AEROSPACE FASTENING SYS DIV OF MICRODOT
INC IN PICO RIVERA, CALIFORNIA
MICRODOT AEROSPACE FASTENING SYS DIV OF MICRODOT INC SEE
KAYNAR MICRODOT AEROSPACE FASTENING SYSTEM

49367 PYLE-NATIONAL CO DIV OF BRAND-REX CO
1334 NORTH KOSTNER AVENUE
CHICAGO, ILLINOIS 60651

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

72962 ELASTIC STOP NUT A DIV OF HARTFORD INDUSTRIES INC
2330 VAUXHALL ROAD
UNION, NEW JERSEY 07083
FORMERLY AMERACE CORP ESNA DIV
ELASTIC STOP NUT DIV AMERACE CORP SEE ESNA DIV AMERACE CORP
ESNA DIV OF AMERACE CORP SEE AMERACE CORP ESNA DIV
AMERACE CORP ESNA DIV SEE ELASTIC STOP NUT A
DIV OF HARTFORD INDUST INC V72962

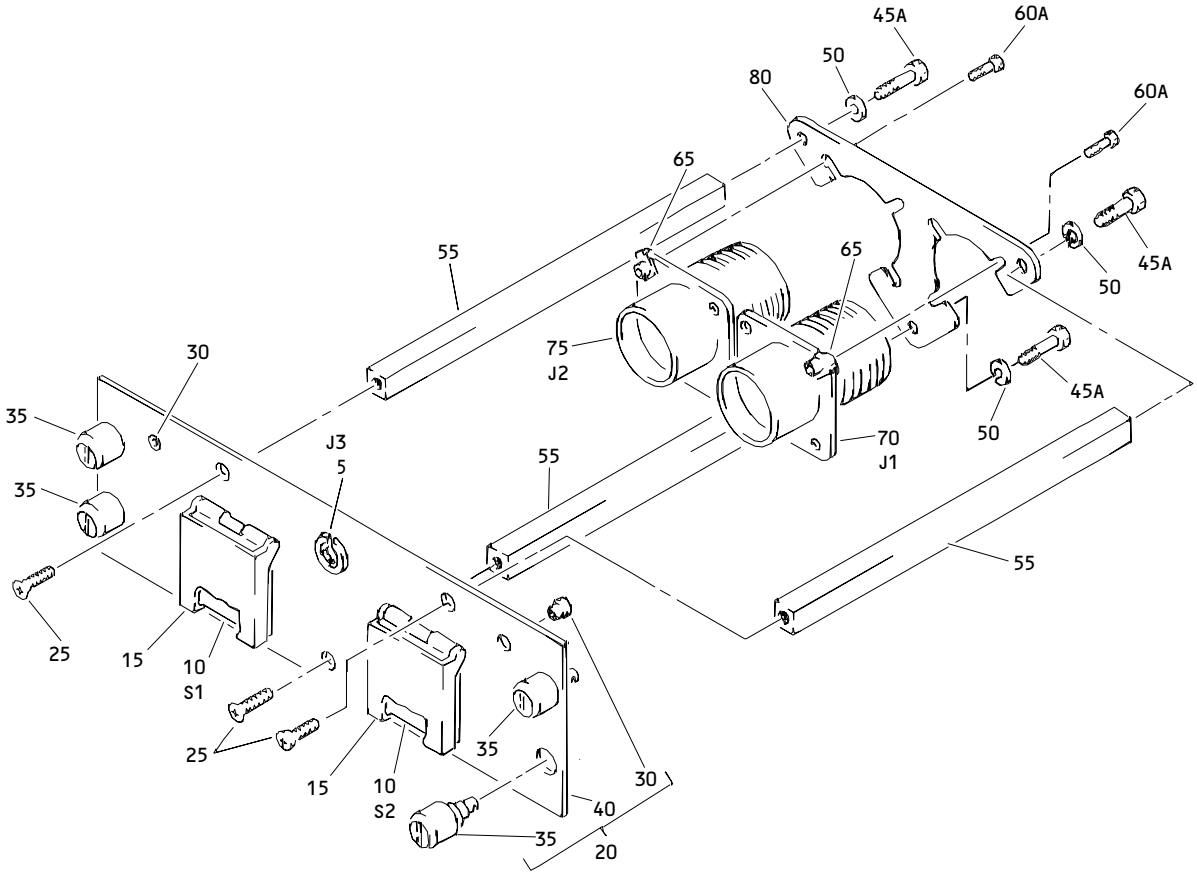
81205 BOEING CO THE
PO BOX 3707
SEATTLE, WASHINGTON 98124

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

VENDORS

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

REFERENCE DESIGNATOR INDEX (SEE SCHEMATIC DIAGRAM)		
REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
CR1	JANTX1N5618	2-85
CR2	JANTX1N5618	85
J1	ZZWAC1714-15P8	1-70
J1	ZZWAC1714-15P8	2-75
J2	ZZWAC1714-15P9	1-75
J2	ZZWAC1714-15P9	2-80
J3	800000121-1	1-5
J3	800000121-1	2-5
L1	BCREF7265	20
L1	BCREF8418	20A
L2	BCREF7265	20
L2	BCREF8418	20A
S1	S231T290-4088	10C
S1	S231T290-5088	10D
S1	851-30768-2027	1-10
S2	S231T290-4088	2-10C
S2	S231T290-5088	10D
S2	851-30768-2027	1-10
T1-T4	4443B9	2-90



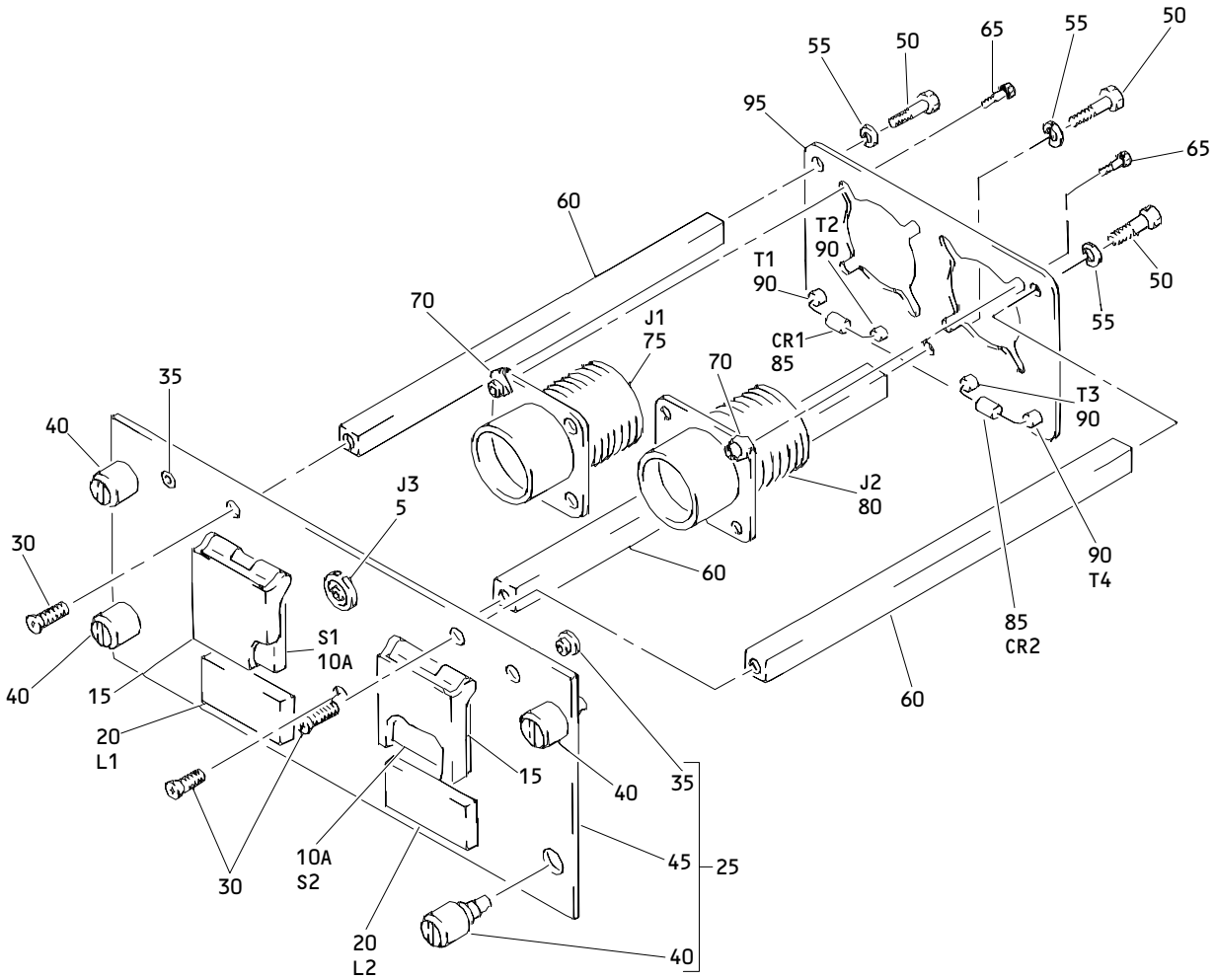
M1100 Altn Thrust Reverser Hydraulic Panel Assembly
Figure 1

T64530

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	-1	233T3240-1		PANEL ASSY-M1100 ALTN THRUST REVERSER HYD	A	RF
	-1A	233T3240-6		DELETED		
	-1B	233T3240-9		DELETED		
	-1C	233T3240-10		DELETED		
	-1D	233T3240-11		DELETED		
R	-1E	233T3240-14		PANEL ASSY-M1100 ALTN THRUST REVERSER HYD (FOR DETAILS SEE FIG. 2)	B	RF
	5	800000121-1		.CONNECTOR- (V05617) (J3)	A	1
	10	851-30768-2027		.SWITCH-LIGHTED PUSH BUTTON IND (ON/VALVE) (V96182) (S1, S2) (SPEC S231T290-2027)	A	2
	-10A	851-30768-1027		DELETED		
	15	851-30768-811		.GUARD-SWITCH (V96182) (SPEC S231T290-811) (OPT ITEM 15A)	A	2
	-15A	851-30768-801		.GUARD-SWITCH (V96182) (SPEC S231T290-801) (OPT ITEM 15)	A	2
	20	233T3240-2		.BASEPLATE ASSY ATTACHING PARTS	A	1
	25	NAS514P632-5		.SCREW -------*-------	A	3
	30	SF6G6CBB5D		..NUT- (V12324) (SPEC BACN10PA06-6)	A	2
	35	DBMB1400-6A1		..STUD ASSY- (V08524) (SPEC BACS21DD1B)	A	4
	40	BACP10U0187N		..PANEL	A	1
	45	BACS12CB06-5		DELETED		
	45A	NAS1801-06-5		.SCREW	A	3
	50	MS35338-41		.WASHER	A	3
	55	69B46200-11		.STANDOFF	A	3
	60	BACS12CB04-5		DELETED		
	60A	NAS1801-04-5		.SCREW	A	4

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
65	K19798-04		.NUT- (V15653) (SPEC BACN10NW1) (OPT RMA4812-160-40 (V72962)) (OPT 293162 (V60119))	A	4
70	ZZWAC1714-15P8		.CONNECTOR- (V49367) (SPEC BACC45FN14-15P8) (OPT C48-10R14-15P8-10 (V13556)) (OPT 48-10R14-15P8-300 (V02660)) (J1)	A	1
75	ZZWAC1714-15P9		.CONNECTOR- (V49367) (SPEC BACC45FN14-15P9) (OPT C48-10R14-15P9-10 (V13556)) (OPT 48-10R14-15P9-300 (V02660)) (J2)	A	1
80	233T6200-63		.BRACKET-SPRT	A	1
-85	233T3240-3		.WIRE BUNDLE ASSY	A	1
-90	M39029-1-16-20		..CONTACT	A	28



M1100 Altn Thrust Reverser Hydraulic Panel Assembly
Figure 2

T96076

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	02-					
	-1	233T3240-6		DELETED		
	-1A	233T3240-9		DELETED		
	-1B	233T3240-10		DELETED		
	-1C	233T3240-11		DELETED		
R	-1D	233T3240-14		PANEL ASSY-M1100 ALTN THRUST REVERSER HYD	B	RF
	5	800000121-1		.CONNECTOR- (V05617) (J3)	B	1
	10	851-30768-2088		DELETED		
	10A	851-30768-3088		DELETED		
	-10B	BCREF7822		DELETED		
R	10C	S231T290-4088		.SWITCH-LIGHTED PUSH BUTTON IND (V81205) (S1, S2) (OPT ITEM 10D)	B	2
R	-10D	S231T290-5088		.SWITCH-LIGHTED PUSH BUTTON IND (V81205) (S1, S2) (OPT ITEM 10C)	B	2
	15	851-30768-811		DELETED		
	15A	851-30768-821		DELETED		
R	15B	433-100-002		.GUARD-SWITCH (V81590) (SPEC S231T290-821)	B	2
R	20	BCREF7265		.LIGHT ASSY-IND (V81590) (434-674-1005-1301) (L1, L2) (SPEC S231T300-1301) (OPT ITEM 20A)	B	2
R	-20A	BCREF8418		.LIGHT ASSY-IND (V81590) (434-674-1005-2301) (L1, L2) (SPEC S231T300-2301) (OPT ITEM 20)	B	2
	25	233T3240-7		.BASEPLATE ASSY ATTACHING PARTS	B	1
	30	NAS514P632-5		.SCREW -------*-------	B	3

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
02-					
35	SF6G6CBB5D		..NUT-	B	2
			(V12324)		
			(SPEC BACN10PA06-6)		
40	DBMB1400-6A1		..STUD ASSY-	B	4
			(V08524)		
			(SPEC BACS21DD1B)		
45	BACP10U0262N		..BASEPLATE	B	1
50	NAS1801-06-5		.SCREW	B	3
55	MS35338-41		.WASHER	B	3
60	69B46200-11		.STANDOFF	B	3
65	NAS1801-04-5		.SCREW	B	4
70	K19798-04		.NUT-	B	4
			(V15653)		
			(SPEC BACN10NW1)		
			(OPT RMA4812-160-40 (V72962))		
			(OPT 293162 (V60119))		
75	ZZWAC1714-15P8		.CONNECTOR-	B	1
			(V49367)		
			(SPEC BACC45FN14-15P8)		
			(OPT C48-10R14-15P8-10 (V13556))		
			(OPT 48-10R14-15P8-300 (V02660))		
			(J1)		
80	ZZWAC1714-15P9		.CONNECTOR-	B	1
			(V49367)		
			(SPEC BACC45FN14-15P9)		
			(OPT C48-10R14-15P9-10 (V13556))		
			(OPT 48-10R14-15P9-300 (V02660))		
			(J2)		
85	JANTX1N5618		.DIODE-	B	2
			(CR1, CR2)		
90	4443B9		.TERMINAL-	B	4
			(V1Y768)		
			(T1-T4)		
95	233T6200-101		.BRACKET-SPRT	B	1
-100	233T3240-8		.WIRE BUNDLE ASSY	B	1
-105	M39029-1-16-20		..CONTACT	B	26