

 **BOEING**
COMPONENT
MAINTENANCE MANUAL

TO: ALL HOLDERS OF AUTOTHROTTLE MICROSWITCH PACK ASSEMBLY COMPONENT MAINTENANCE
MANUAL 22-32-38

REVISION NO. 15 DATED JUL 01/05

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 to the Record of Revision Sheet.

CHAPTER/SECTION
AND PAGE NO.

DESCRIPTION OF CHANGE

REPAIR 2-1

Edited without technical change.

601

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HIGHLIGHTS

01.1

Page 1

Jul 01/05

AUTOTHROTTLE MICROSWITCH PACK ASSEMBLY

PART NUMBERS 250T1017-7
254N1185-3,-5,-7,-9,-14,-19

COMPONENT MAINTENANCE MANUAL
WITH
ILLUSTRATED PARTS LIST

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TITLE PAGE

Page 1

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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

TEMPORARY REVISION AND SERVICE BULLETIN RECORD

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVE	DATE OF INCORPORATION INTO MANUAL
78-0028 78-59 78-62 78-63		PRR 53220-51 PRR 54500 PRR B11900-32 PRR 54530-167	APR 01/88 OCT 01/92 APR 01/93 JUL 01/93 JUL 01/93 JUL 01/93 NOV 01/02

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TR & SB RECORD

01.1

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REVISION RECORD			115	NOV 01/02	01.1
1	NOV 01/02	01.1	116	NOV 01/02	01.1
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TR & SB RECORD			118	NOV 01/02	01.1
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* = REVISED, ADDED OR DELETED

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REPAIR 2-1		CONT.	ILLUSTRATED PARTS LIST		CONT.
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REPAIR 3-1			1015	NOV 01/02	01.1
601	NOV 01/02	01.1	1016	NOV 01/02	01.1
602	NOV 01/02	01.1	1017	NOV 01/02	01.1
603	NOV 01/02	01.1	1018	NOV 01/02	01.1
604	NOV 01/02	01.1	1019	NOV 01/02	01.1
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REPAIR 4-1			1022	NOV 01/02	01.1
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ASSEMBLY			1025	NOV 01/02	01.1
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702	NOV 01/02	01.1	1027	NOV 01/02	01.1
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705	NOV 01/02	01.1	1030	NOV 01/02	01.1
706	NOV 01/02	01.1	1031	NOV 01/02	01.1
707	NOV 01/02	01.1	1032	NOV 01/02	01.1
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709	NOV 01/02	01.1	1034	NOV 01/02	01.1
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ILLUSTRATED PARTS LIST					
1001	NOV 01/02	01.1			
1002	NOV 01/02	01.1			
1003	NOV 01/02	01.1			
1004	NOV 01/02	01.1			
1005	NOV 01/02	01.1			
1006	NOV 01/02	01.1			
1007	NOV 01/02	01.1			
1008	NOV 01/02	01.1			
1009	NOV 01/02	01.1			
1010	NOV 01/02	01.1			
1011	NOV 01/02	01.1			
1012	NOV 01/02	01.1			
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* = REVISED, ADDED OR DELETED

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* [1] Refer to TESTING/TROUBLE SHOOTING



INTRODUCTION

The instructions in this manual provide the information necessary to perform maintenance functions ranging from simple checks and replacement to complete shop-type repair.

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 &
Service Bulletin Record | 6. Introduction |
| | 7. Procedures & 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.

The beginning of the REPAIR section includes a list of the separate repairs, a list of applicable standard Boeing practices.

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

Disassembly Feb 3/84

Assembly Feb 3/84

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INTRODUCTION

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AUTOTHROTTLE MICROSWITCH PACK ASSEMBLY

DESCRIPTION AND OPERATION

1. The microswitch pack assembly consists of four arm assemblies, twelve switches, a wire bundle assembly and a housing assembly.
2. The microswitch pack assembly monitors the autothrottle assembly and sends output signals to the thrust management system.
3. Leading Particulars (Approximate)

Length -- 11 inches

Width -- 6 inches

Height -- 5 inches plus 14-inch long wire bundle assembly

Weight -- 2 pounds

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DESCRIPTION & OPERATION

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TESTING AND TROUBLE SHOOTING1. Test Equipment

NOTE: Equivalent substitutes may be used.

A. VOM multimeter: Simpson Model 260 or equivalent.

B. Receptacles

- (1) BACC45FN16C24S to mate with P1 connector (235, IPL Fig. 1; 240, IPL Fig. 2).
- (2) BACC45FN16C24S6 to mate with P2 connector (240, IPL Fig. 1; 245, IPL Fig. 2).
- (3) BACC45FN12C12S to mate with P3 connector (335, IPL Fig. 1; 270, IPL Fig. 2)
- (4) BACC45FN12C12S6 to mate with P4 connector (345, IPL Fig. 1; 285, IPL Fig. 2).

2. Continuity Test (IPL Fig. 1, Fig. 101 thru 103).

A. For all top assemblies in Fig. 1 mate BACC45FN16C24S receptacle with P1 connector (235) and BACC45FN16C24S6 receptacle with P2 connector (240). For assembly 250T1017-7 mate BACC45FT12C12S receptacle with P3 connector (335) and BACC45FT12C12S6 receptacle with P4 connector (345).

B. Activate switches (165, 167, 170) by gently pressing appropriate arm assembly (20, 25).

C. With multimeter, verify the arm assembly positions and the conditions between pins as shown in Fig. 102. The pin positions for receptacle are shown in Fig. 101.

NOTE: Open circuit resistance is greater than 15,000 ohms.
Cont. circuit resistance is less than 3 ohms.

D. Replace faulty wire bundle assembly (230A, 330, 340) per REPAIR 1-1.

E. For each switch (165, 167, 170) with multimeter, verify its NO and NC condition with C pin. With actuator arm of each switch pressed, verify its reverse condition with C pin (Fig. 101).

NOTE: NO is normally open, NC is normally closed or CONT., and C is common pin.

F. Replace faulty switch (165, 167, 170) per REPAIR 1-1, IPL Fig. 1.

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3. Continuity Test (IPL Fig. 2, Fig. 101 thru 103)

- A. Mate BACC45FN16C24S receptacle with P1 connector (240), BACC45FN16C24S6 receptacle with P2 connector (245), BACC45FN12C12S receptacle with P3 connector (270) and BACC45FN12C12S6 receptacle with P4 connector (285).
- B. Activate switches (230, 235, 235A, 265, 265A, 280, 280A) by gently pressing appropriate arm assembly (20, 25).
- C. With multimeter, verify the arm assembly positions and the conditions between pins as shown in Fig. 102. The pin positions for receptacle are shown in Fig. 101.

NOTE: Open circuit resistance is greater than 15,000 ohms.
Cont. circuit resistance is less than 3 ohms.

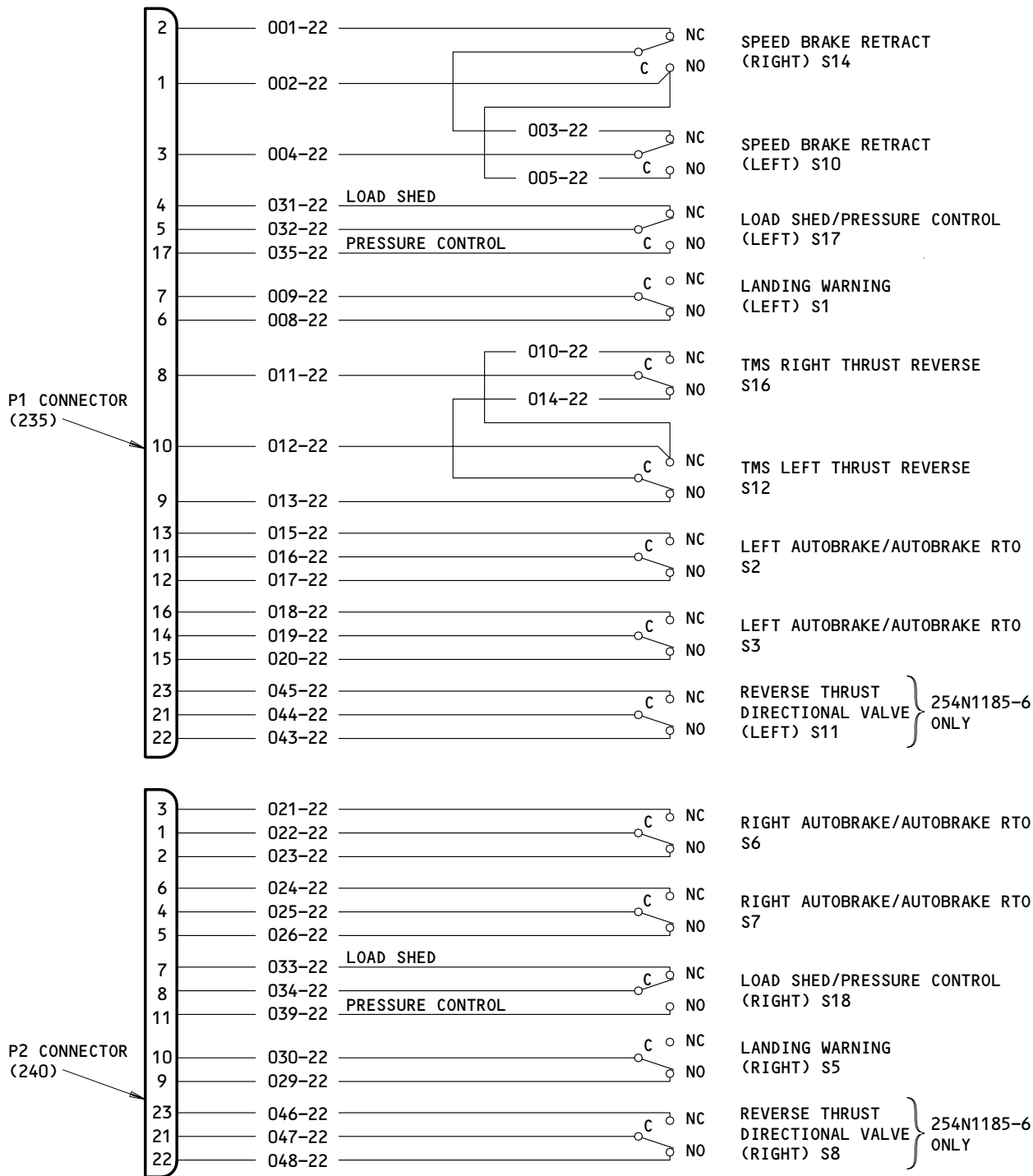
- D. Replace faulty wire bundle assembly (200) per REPAIR 1-1.
- E. For each switch (230, 235, 235A, 265, 265A, 280, 280A) with multimeter, verify its NO and NC condition with C pin. With actuator arm of each switch pressed, verify its reverse condition with C pin (Fig. 101).

NOTE: NO is normally open, NC is normally closed or CONT., and C is common pin.

- F. Replace faulty switch (230, 235, 235A, 265, 265A, 280, 280A) per REPAIR 1-1, IPL Fig. 2).

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WIRE BUNDLE ASSEMBLY (230A)

SWITCH MODE SHOWN WITH THROTTLE AT IDLE POSITION

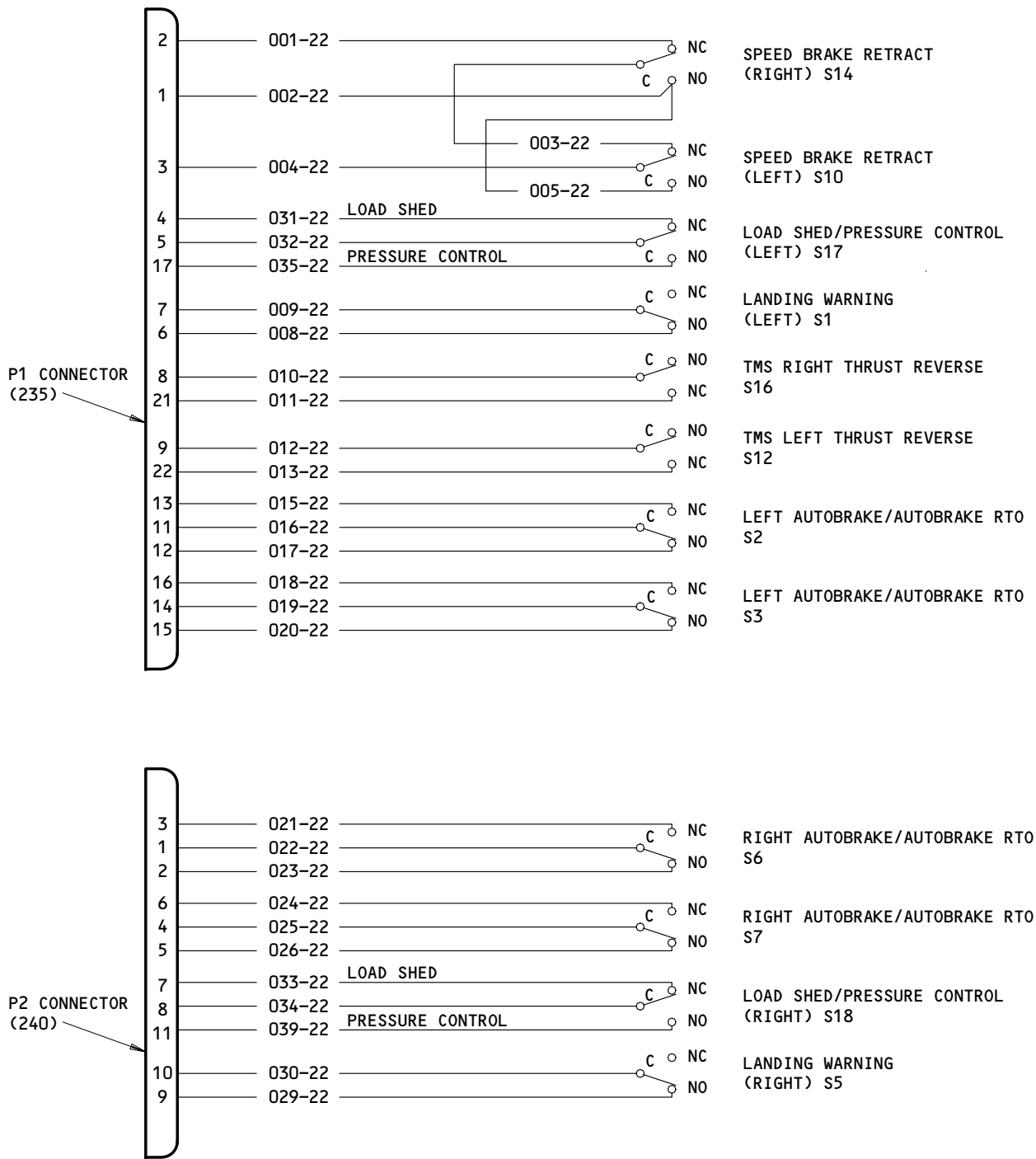
ITEM NUMBERS REFER TO IPL FIG. 1

254N1185-4,-6

Microswitch Pack Wire Schematic
 Figure 101 (Sheet 1)

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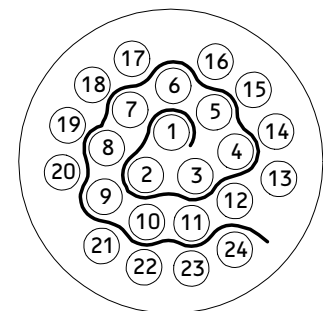
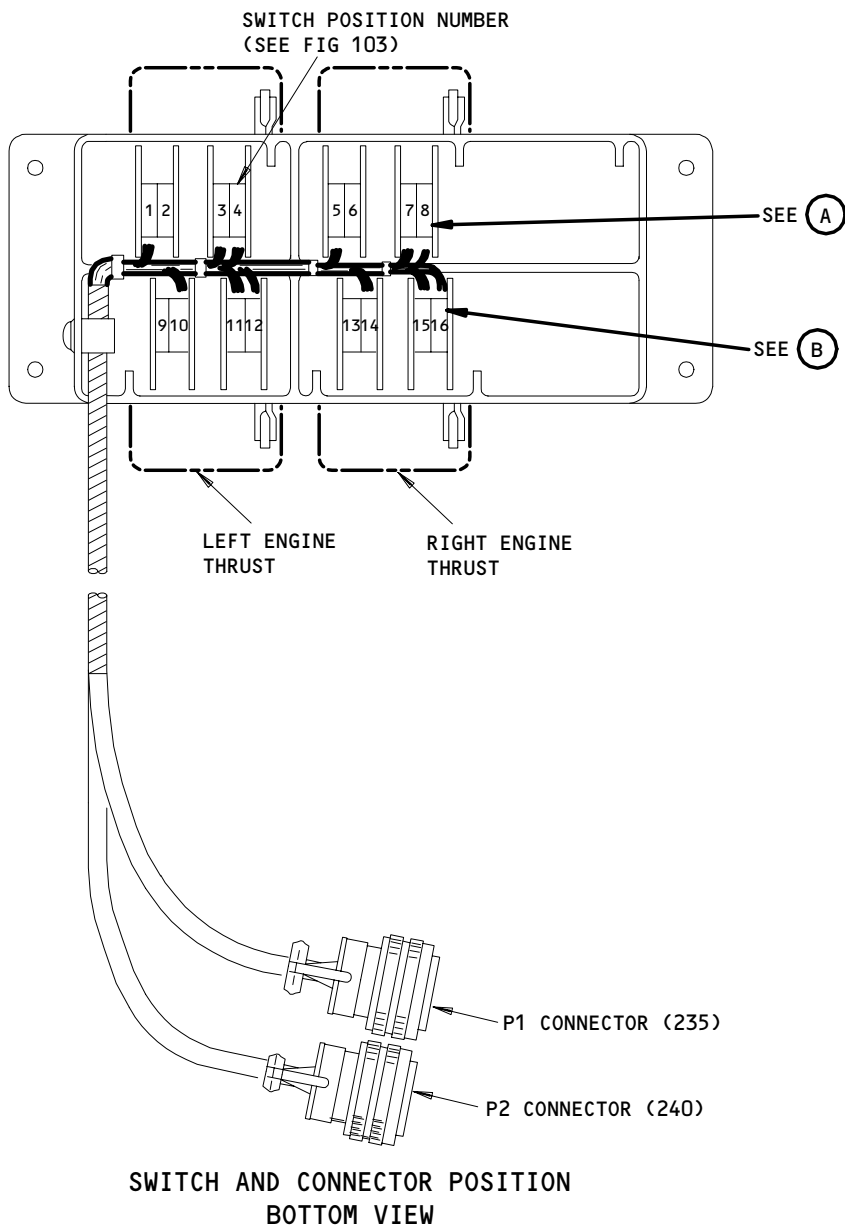


WIRE BUNDLE ASSEMBLY (230A)
 SWITCH MODE SHOWN WITH THROTTLE AT IDLE POSITION

ITEM NUMBERS REFER TO IPL FIG. 1

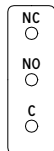
254N1185-8
 Microswitch Pack Wire Schematic
 Figure 101 (Sheet 2)

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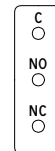
PLUG MAP FOR
 P1 AND P2 CONNECTORS
 (235,240) (WIRE SIDE)

SWITCH AND CONNECTOR POSITION
 BOTTOM VIEW



TYPICAL PIN ARRANGEMENT
 FOR EACH SWITCH (S1 THRU S8)

(A)

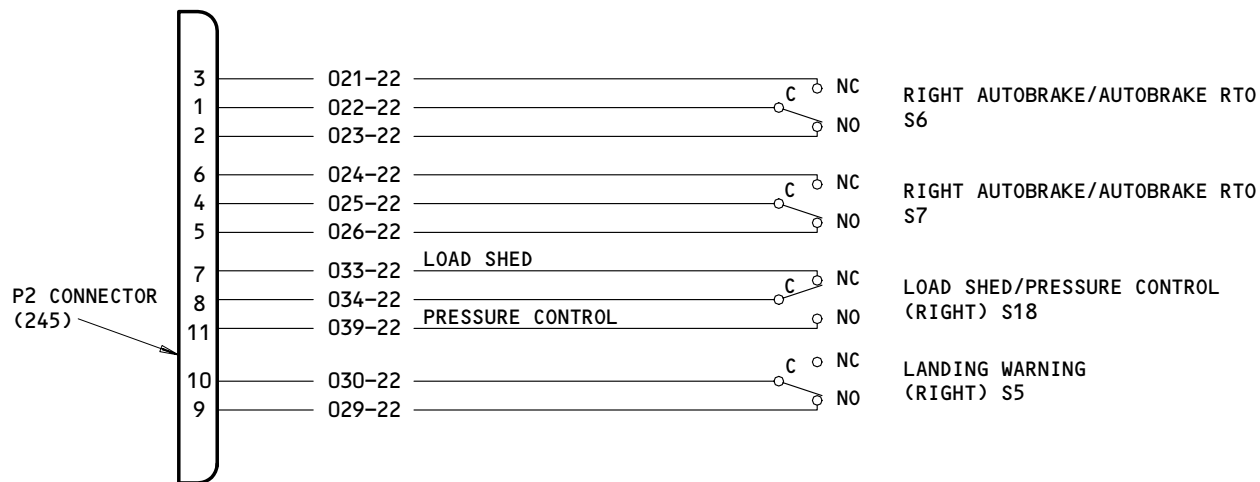
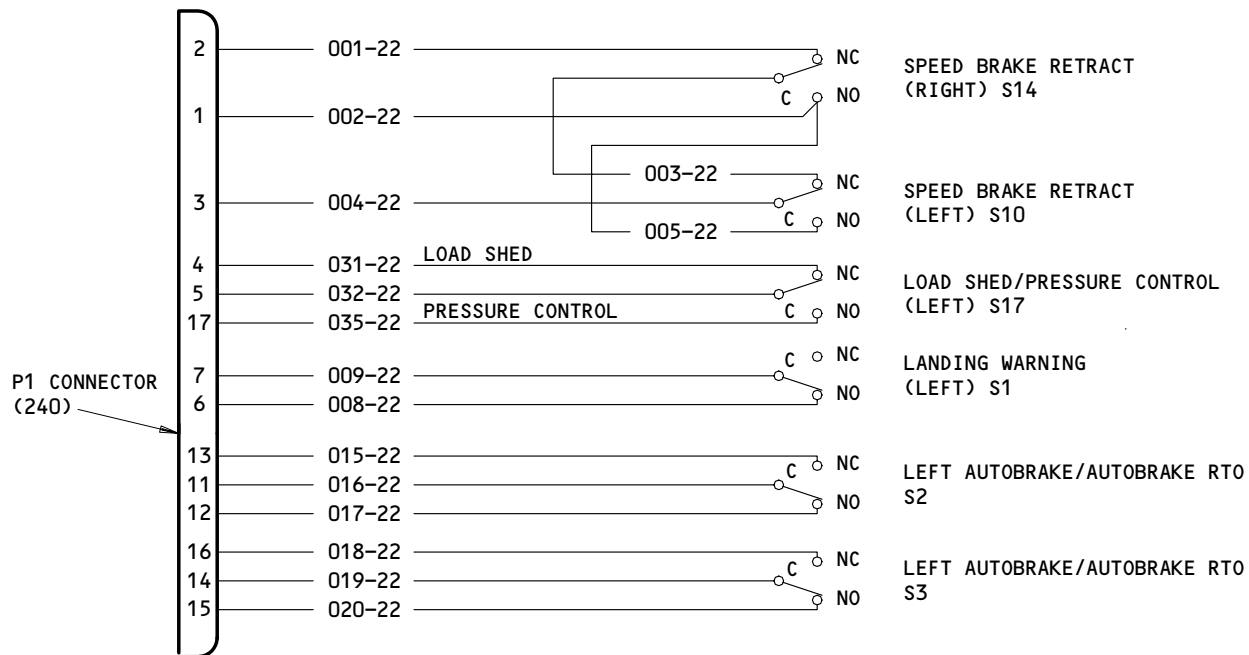


TYPICAL PIN ARRANGEMENT
 FOR EACH SWITCH (S9 THRU S16)

(B)

Microswitch Pack Wire Schematic
 Figure 101 (Sheet 3)

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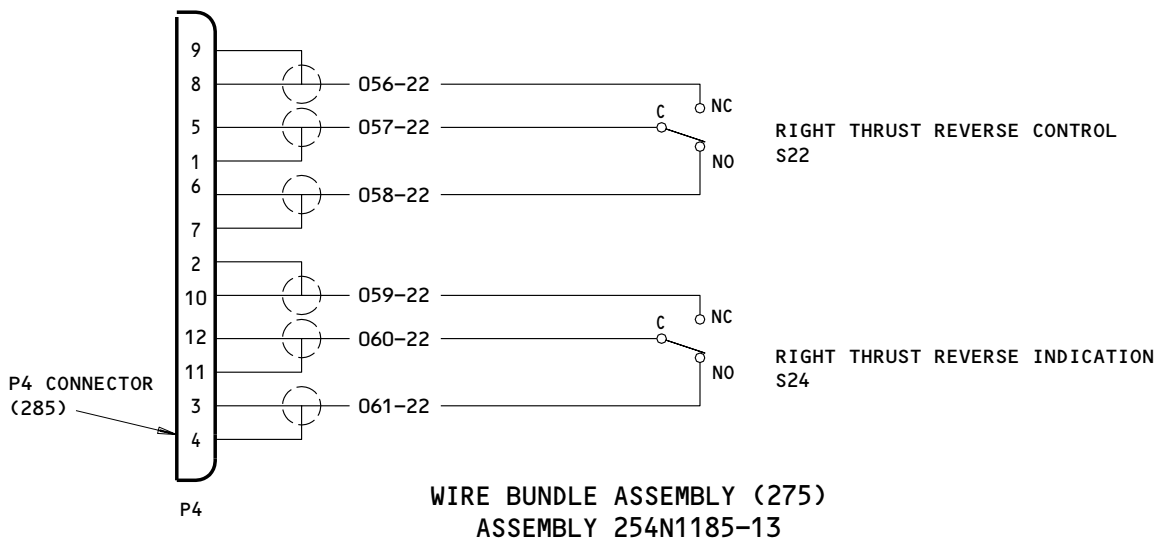
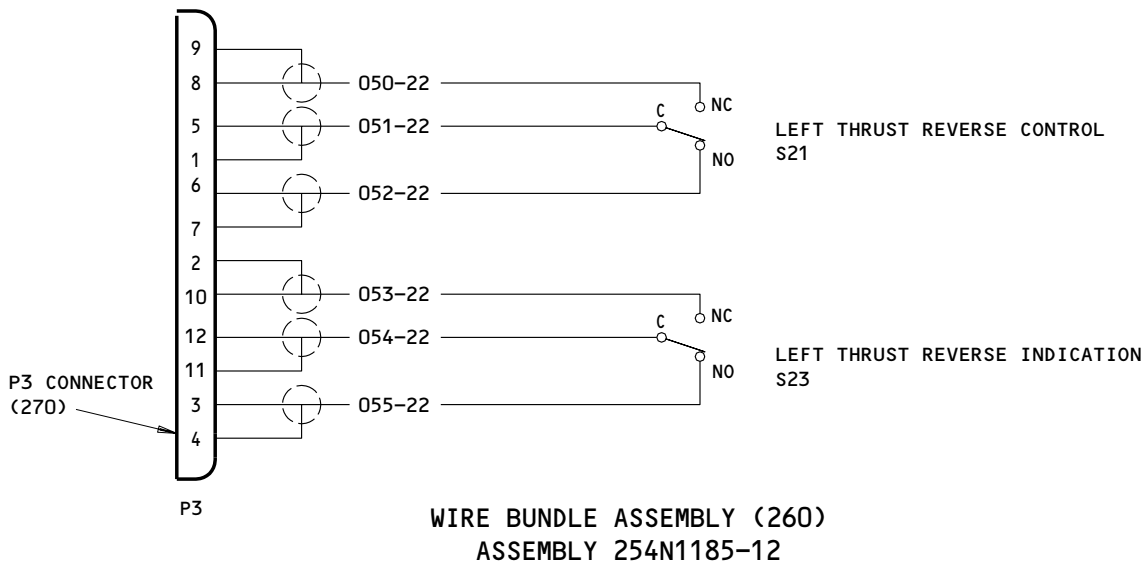


WIRE BUNDLE ASSEMBLY (225)
 SWITCH MODE SHOWN WITH THROTTLE AT IDLE POSITION

ITEM NUMBERS REFER TO IPL FIG. 2

254N1185-11
 Microswitch Pack Wire Schematic
 Figure 101 (Sheet 4)

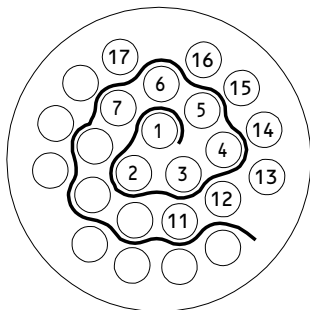
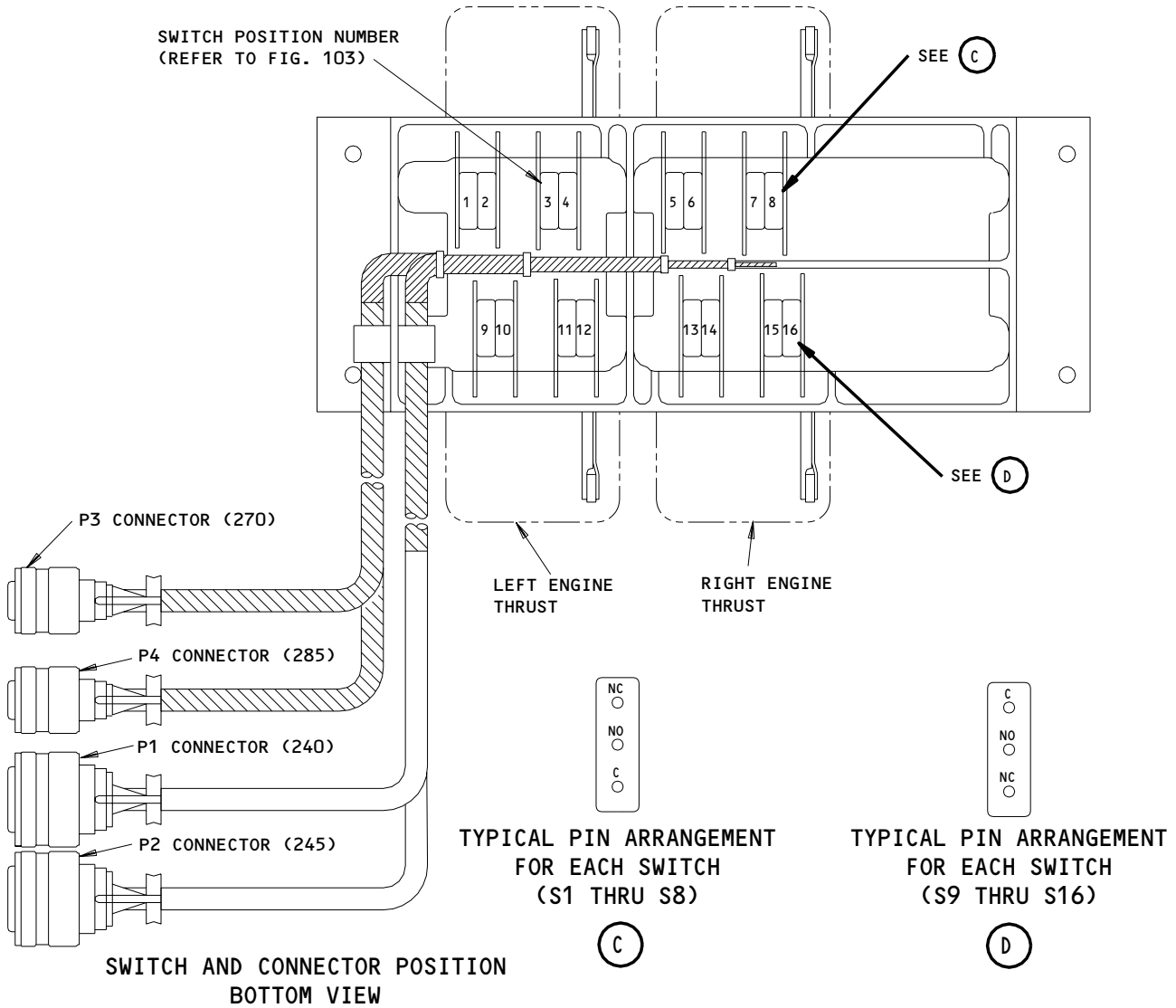
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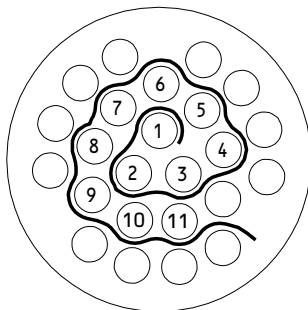
ITEM NUMBERS REFER TO IPL FIG. 2

Microswitch Pack Wire Schematic
 Figure 101 (Sheet 5)

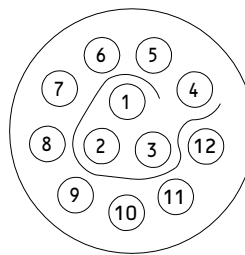
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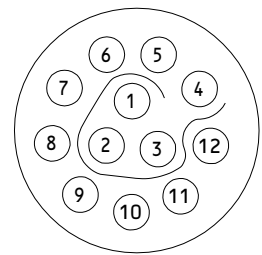
PLUG MAP FOR
P1 CONNECTOR
(240) (WIRE SIDE)



PLUG MAP FOR
P2 CONNECTOR
(245) (WIRE SIDE)



PLUG MAP FOR
P3 CONNECTOR
(270) (WIRE SIDE)



PLUG MAP FOR
P4 CONNECTOR
(285) (WIRE SIDE)

254N1185-9,-19

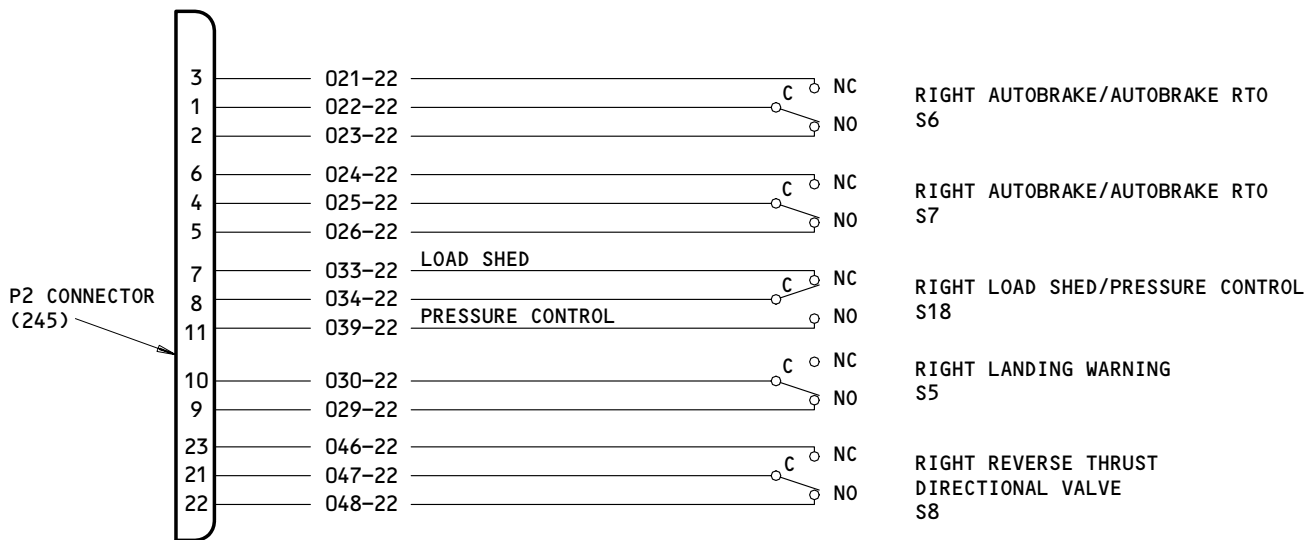
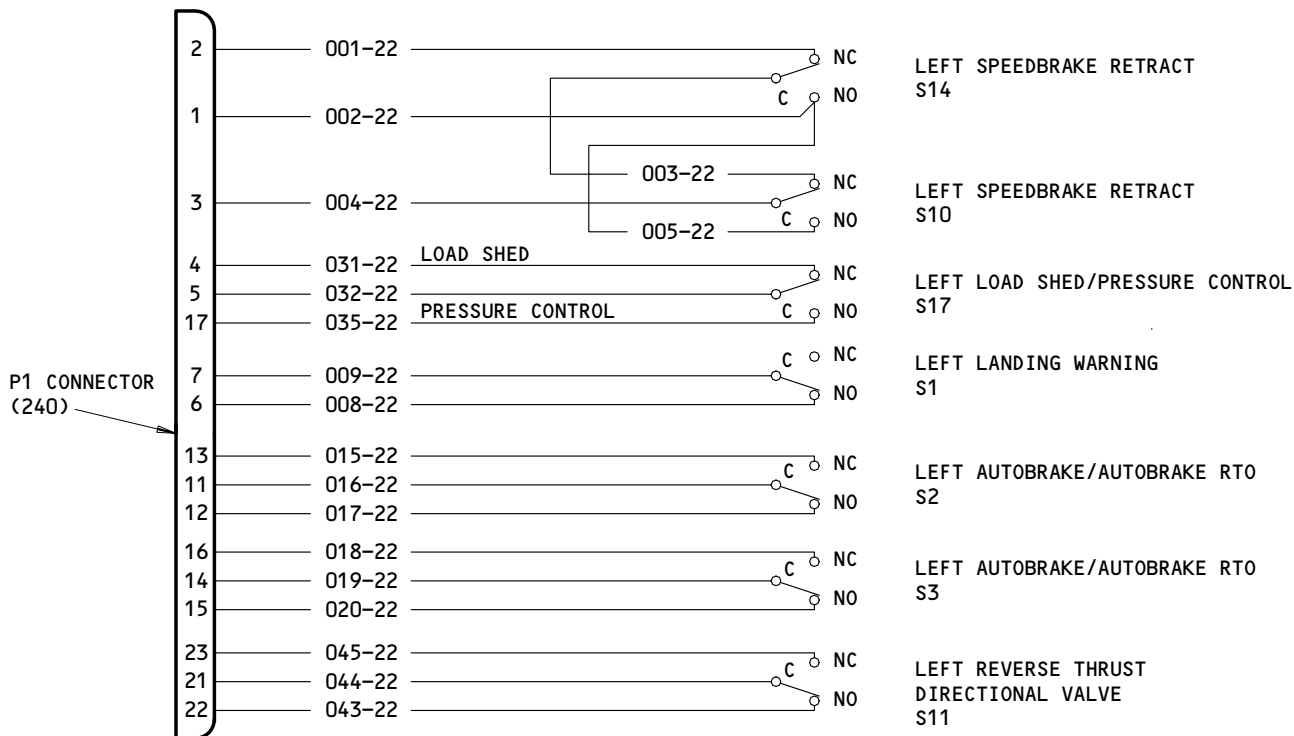
ITEM NUMBERS REFER TO IPL FIG. 2

Microswitch Pack Wire Schematic
Figure 101 (Sheet 6)

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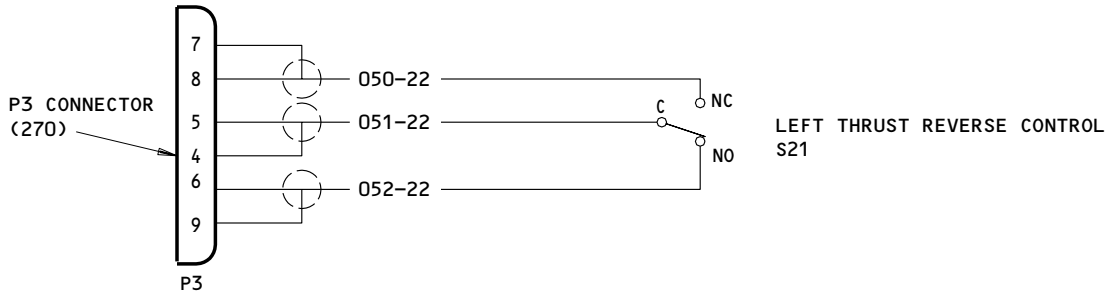


WIRE BUNDLE ASSEMBLY (225A)
 SWITCH MODE SHOWN WITH THROTTLE AT IDLE POSITION

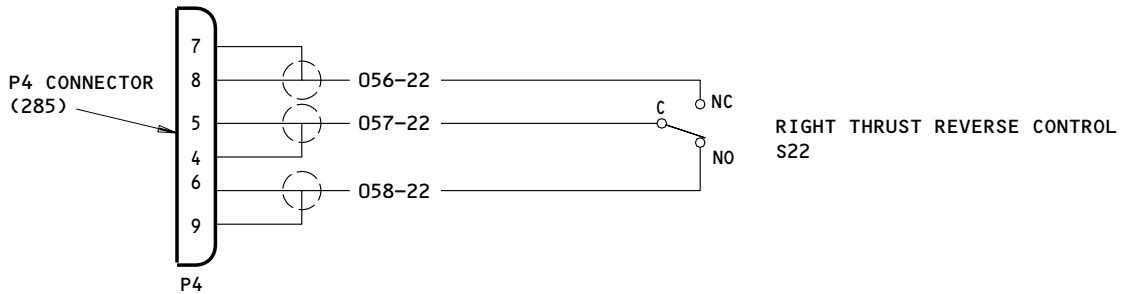
ITEM NUMBERS REFER TO IPL FIG. 2

254N1185-17
 Microswitch Pack Wire Schematic
 Figure 101 (Sheet 7)

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SWITCH MODES SHOWN WITH THROTTLE AT IDLE POSITION
 WIRE BUNDLE ASSEMBLY (260A)
 ASSEMBLY 254N1185-15



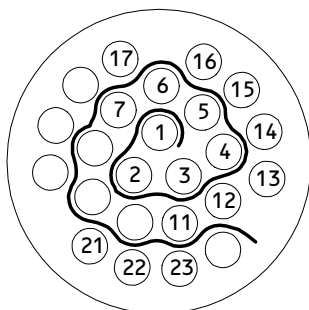
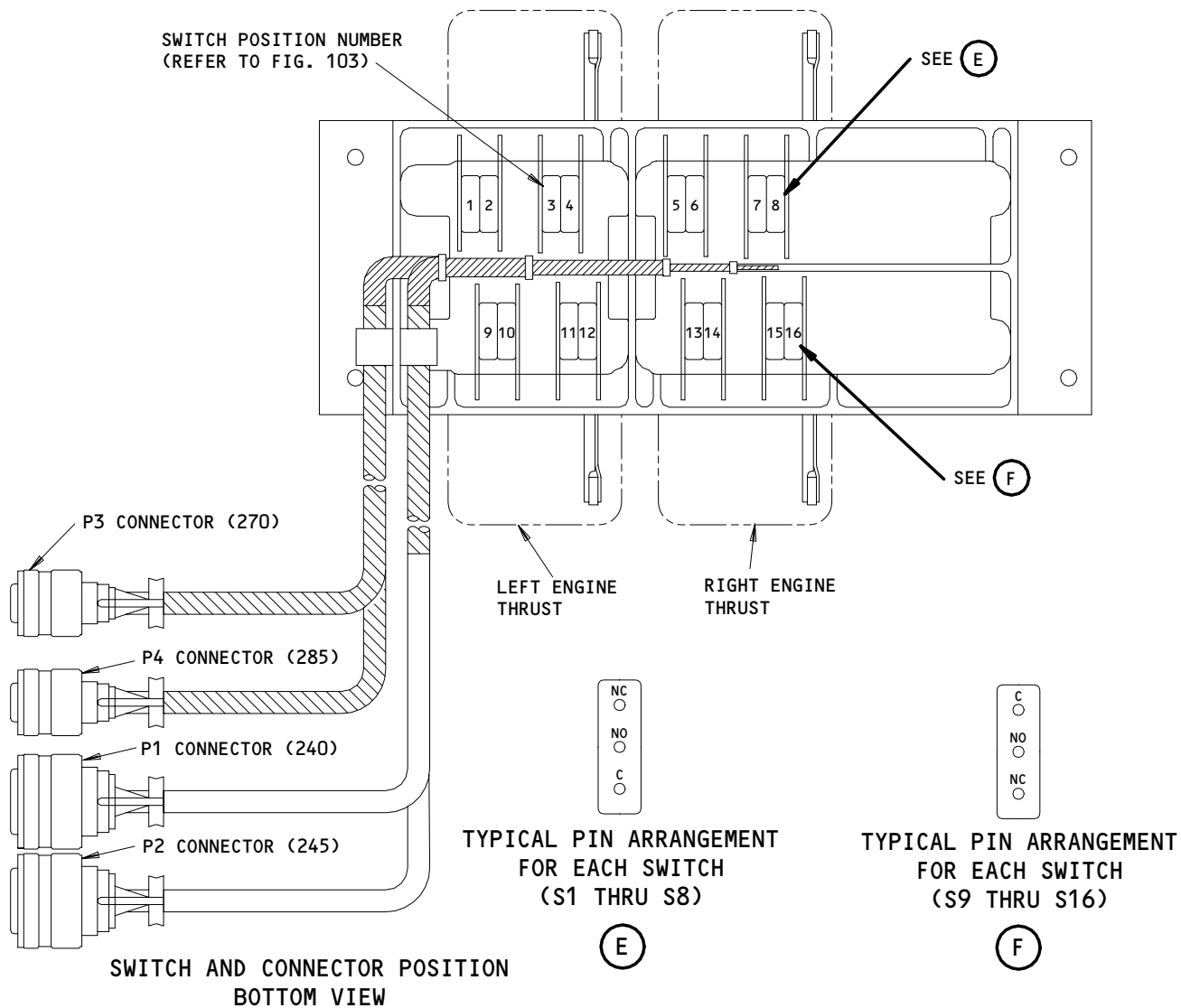
SWITCH MODES SHOWN WITH THROTTLE AT IDLE POSITION
 WIRE BUNDLE ASSEMBLY (275A)
 ASSEMBLY 254N1185-16

ITEM NUMBERS REFER TO IPL FIG. 2

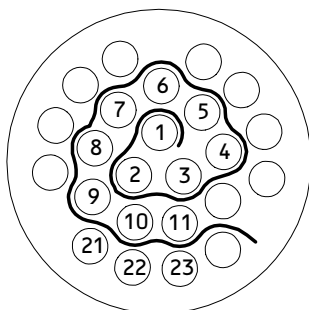
Microswitch Pack Wire Schematic
 Figure 101 (Sheet 8)

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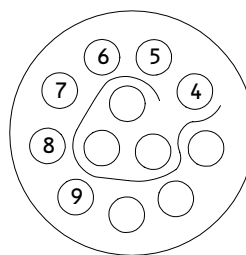
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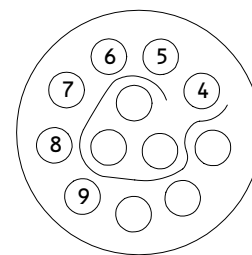
PLUG MAP FOR
 P1 CONNECTOR
 (240) (WIRE SIDE)



PLUG MAP FOR
 P2 CONNECTOR
 (245) (WIRE SIDE)



PLUG MAP FOR
 P3 CONNECTOR
 (270) (WIRE SIDE)



PLUG MAP FOR
 P4 CONNECTOR
 (285) (WIRE SIDE)

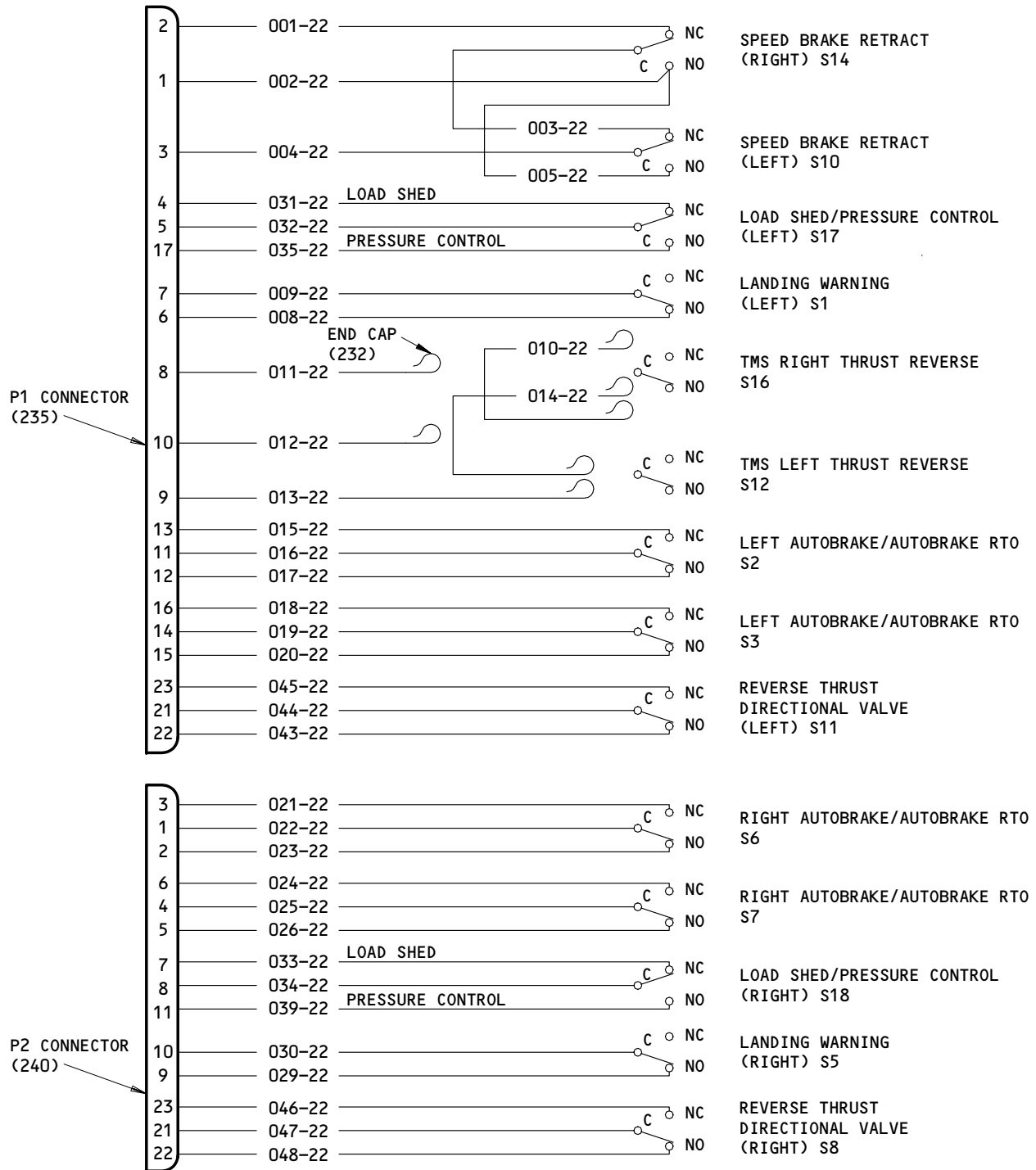
254N1185-14

ITEM NUMBERS REFER TO IPL FIG. 2

Microswitch Pack Wire Schematic
 Figure 101 (Sheet 9)

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254N1185-6 AS MODIFIED BY SERVICE BULLETINS 767-78-59 AND 78-60

WIRE BUNDLE ASSEMBLY (230D)
 SWITCH MODE SHOWN WITH THROTTLE AT IDLE POSITION

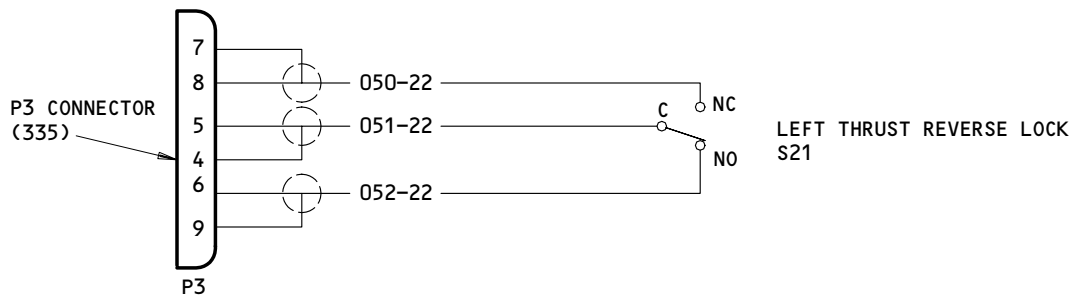
ITEM NUMBERS REFER TO IPL FIG. 1

Microswitch Pack Wire Schematic
 Figure 101 (Sheet 10)

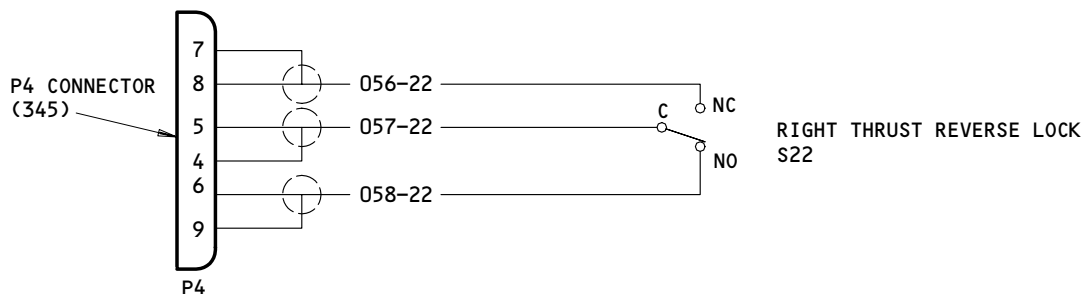
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SWITCH MODES SHOWN WITH THROTTLE AT IDLE POSITION
 WIRE BUNDLE ASSEMBLY (330)
 ASSEMBLY 250T1017-2



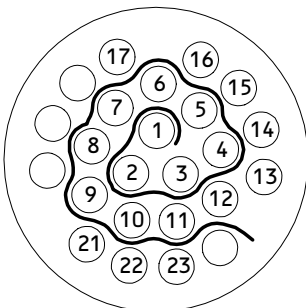
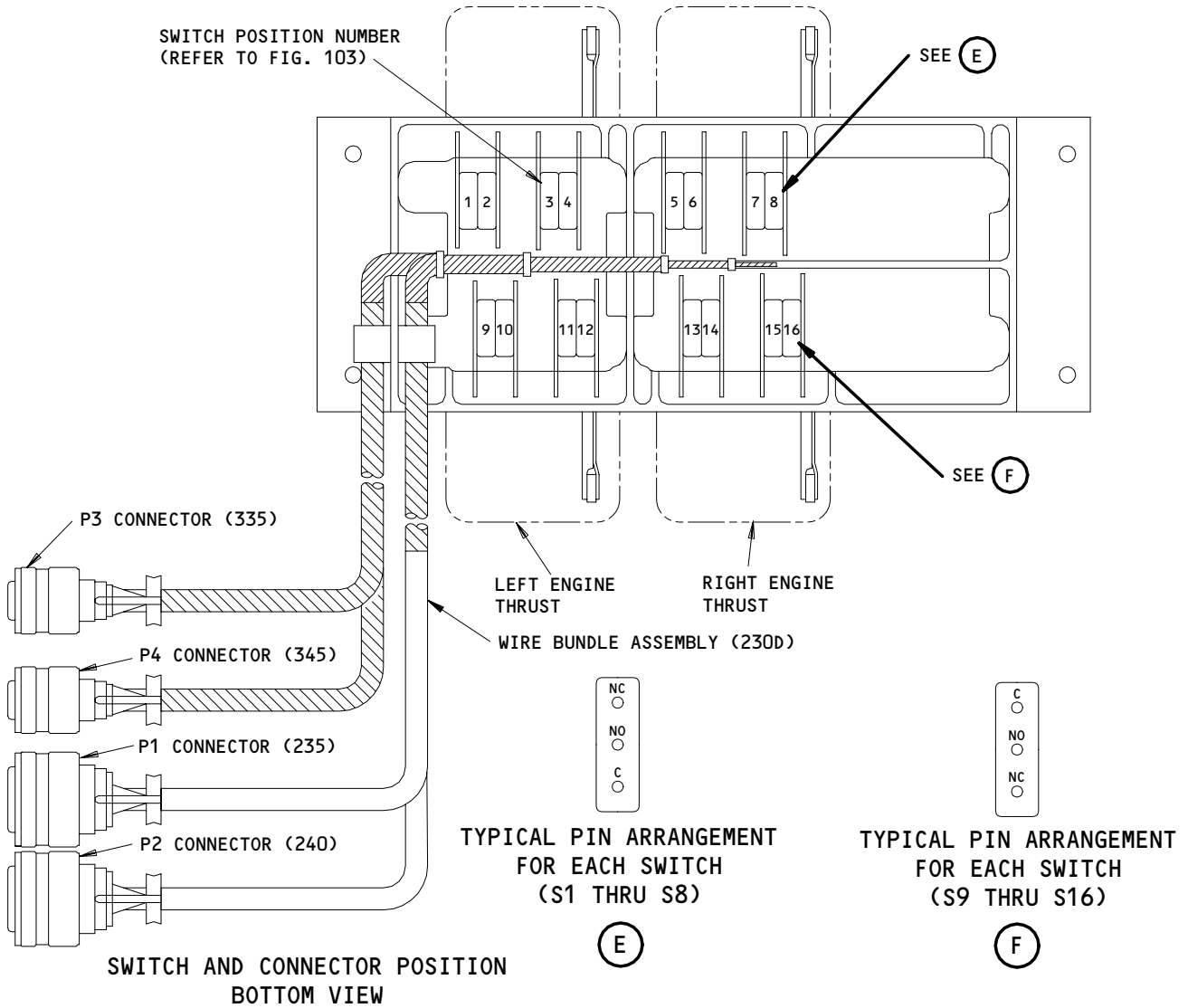
SWITCH MODES SHOWN WITH THROTTLE AT IDLE POSITION
 WIRE BUNDLE ASSEMBLY (340)
 ASSEMBLY 250T1017-3

ITEM NUMBERS REFER TO IPL FIG. 1

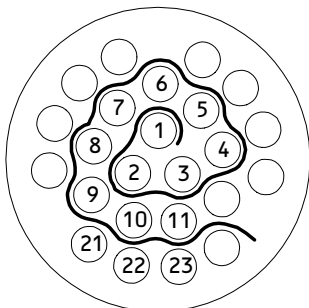
Microswitch Pack Wire Schematic
 Figure 101 (Sheet 11)

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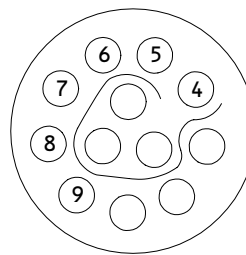
TESTING & TROUBLE SHOOTING
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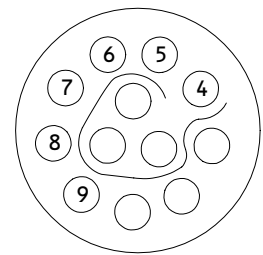
PLUG MAP FOR
P1 CONNECTOR
(235) (WIRE SIDE)



PLUG MAP FOR
P2 CONNECTOR
(240) (WIRE SIDE)



PLUG MAP FOR
P3 CONNECTOR
(335) (WIRE SIDE)



PLUG MAP FOR
P4 CONNECTOR
(345) (WIRE SIDE)



250T1017-7

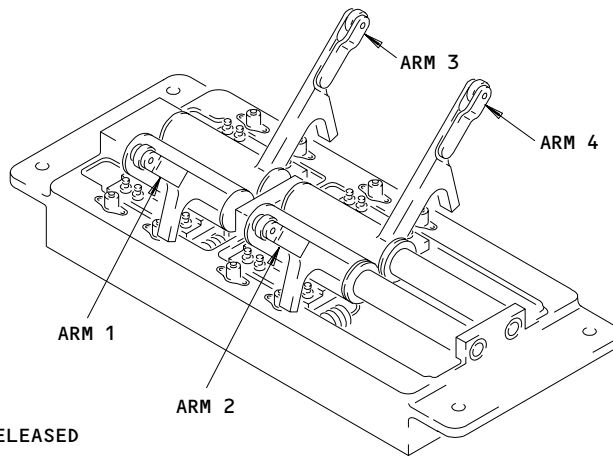
ITEM NUMBERS REFER TO IPL FIG. 1



Microswitch Pack Wire Schematic
Figure 101 (Sheet 12)

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BOEING
 COMPONENT
 MAINTENANCE MANUAL

ARM	PINS	PLUG	ARM ASSEMBLY CONDITION		SWITCHES	SWITCH PACK ASSY				
			DEPRESSED	RELEASED		-3	-5	-7		
4	2 & 3	P1	OPEN	CONT	S14	✓	✓	✓		
3	1 & 3	P1	CONT	OPEN	S10	✓	✓	✓		
3	4 & 5	P1	OPEN	CONT	S17	✓	✓	✓		
3	5 & 17	P1	CONT	OPEN	S17	✓	✓	✓		
1	6 & 7	P1	CONT	OPEN	S1	✓	✓	✓		
3 & 4	8 & 9	P1	CONT	OPEN 	S12 & S16	✓	✓			
3 & 4	8 & 10	P1	OPEN	CONT 	S12 & S16	✓	✓			
1	11 & 12	P1	CONT	OPEN	S2	✓	✓	✓		
1	11 & 13	P1	OPEN	CONT	S2	✓	✓	✓		
1	14 & 15	P1	CONT	OPEN	S3	✓	✓	✓		
1	14 & 16	P1	OPEN	CONT	S3	✓	✓	✓		
3	21 & 23	P1	OPEN	CONT	S11		✓			
3	21 & 22	P1	CONT	OPEN	S11		✓			
2	1 & 2	P2	CONT	OPEN	S6	✓	✓	✓		
2	1 & 3	P2	OPEN	CONT	S6	✓	✓	✓		
2	4 & 5	P2	CONT	OPEN	S7	✓	✓	✓		
2	4 & 6	P2	OPEN	CONT	S7	✓	✓	✓		
4	7 & 8	P2	OPEN	CONT	S18	✓	✓	✓		
4	8 & 11	P2	CONT	OPEN	S18	✓	✓	✓		
2	9 & 10	P2	CONT	OPEN	S5	✓	✓	✓		
4	21 & 22	P2	CONT	OPEN	S8		✓			
4	21 & 23	P2	OPEN	CONT	S8		✓			
3	9 & 22	P1	OPEN	CONT	S12			✓		
4	8 & 21	P1	OPEN	CONT	S16			✓		



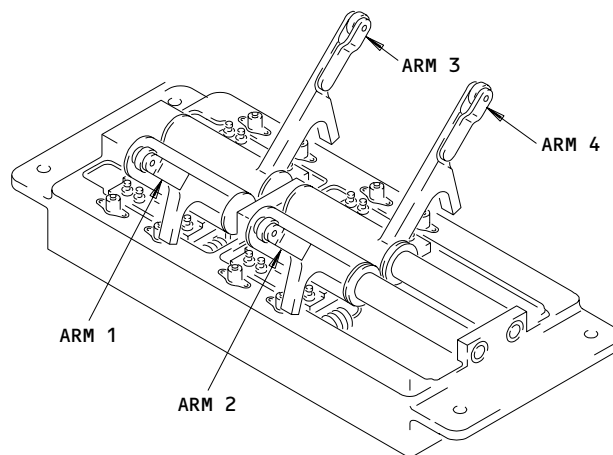
-  WITH SWITCH S12 ONLY RELEASED
-  WITH SWITCH S16 ONLY RELEASED

254N1185-3,-5 and -7

Continuity Test Table
 Figure 102 (Sheet 1)

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ARM	PINS	PLUG	ARM ASSEMBLY CONDITION		SWITCHES	SWITCH PACK ASSY				POS
			DEPRESSED	RELEASED		-9	-19			
1	14 & 15	P1	CONT	OPEN	S3	✓	✓			1
1	14 & 16	P1	OPEN	CONT	S3	✓	✓			1
1	7 & 6	P1	CONT	OPEN	S1	✓	✓			3
1	11 & 12	P1	CONT	OPEN	S2	✓	✓			4
1	11 & 13	P1	OPEN	CONT	S2	✓	✓			4
3	12 & 3	P3	CONT	OPEN	S23	✓	✓			9
3	12 & 10	P3	OPEN	CONT	S23	✓	✓			9
3	5 & 6	P3	CONT	OPEN	S21	✓	✓			10
3	5 & 8	P3	OPEN	CONT	S21	✓	✓			10
3	5 & 17	P1	CONT	OPEN	S17	✓	✓			11
3	5 & 4	P1	OPEN	CONT	S17	✓	✓			11
3	3 & 1	P1	CONT	OPEN	S10	✓	✓			12
3	3 & 2	P1	OPEN	CONT	S10	✓	✓			12
2	4 & 5	P2	CONT	OPEN	S7	✓	✓			5
2	4 & 6	P2	OPEN	CONT	S7	✓	✓			5
2	1 & 2	P2	CONT	OPEN	S6	✓	✓			7
2	1 & 3	P2	OPEN	CONT	S6	✓	✓			7
2	10 & 9	P2	CONT	OPEN	S5	✓	✓			8
4	12 & 3	P4	CONT	OPEN	S24	✓	✓			13
4	12 & 10	P4	OPEN	CONT	S24	✓	✓			13
4	5 & 6	P4	CONT	OPEN	S22	✓	✓			14
4	5 & 8	P4	OPEN	CONT	S22	✓	✓			14
4	8 & 11	P2	CONT	OPEN	S18	✓	✓			15
4	8 & 7	P2	OPEN	CONT	S18	✓	✓			15
4	3 & 1	P1	CONT	OPEN	S14	✓	✓			16
4	3 & 2	P1	OPEN	CONT	S14	✓	✓			16



254N1185-9,-19

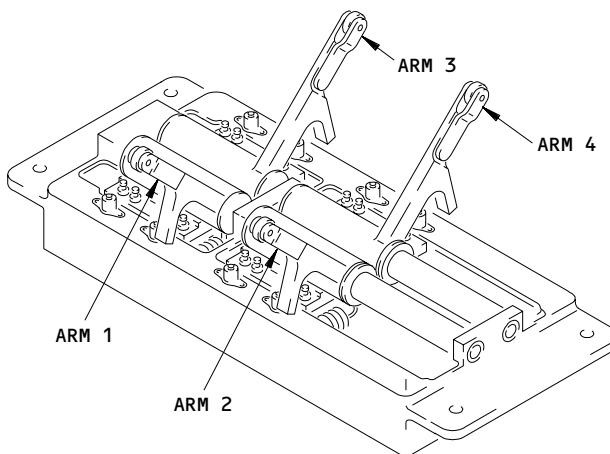
Continuity Test Table
 Figure 102 (Sheet 2)

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TESTING & TROUBLE SHOOTING
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BOEING
 COMPONENT
 MAINTENANCE MANUAL

ARM	PINS	PLUG	ARM ASSEMBLY CONDITION		SWITCHES	SWITCH PACK ASSY				POS
			DEPRESSED	RELEASED		-14				
1	14 & 15	P1	CONT	OPEN	S3	✓				1
1	14 & 16	P1	OPEN	CONT	S3	✓				1
1	7 & 6	P1	CONT	OPEN	S1	✓				3
1	11 & 12	P1	CONT	OPEN	S2	✓				4
1	11 & 13	P1	OPEN	CONT	S2	✓				4
3	21 & 22	P1	CONT	OPEN	S11	✓				9
3	21 & 23	P1	OPEN	CONT	S11	✓				9
3	5 & 6	P3	CONT	OPEN	S21	✓				10
3	5 & 8	P3	OPEN	CONT	S21	✓				10
3	5 & 17	P1	CONT	OPEN	S17	✓				11
3	5 & 4	P1	OPEN	CONT	S17	✓				11
3	3 & 1	P1	CONT	OPEN	S10	✓				12
3	3 & 2	P1	OPEN	CONT	S10	✓				12
2	4 & 5	P2	CONT	OPEN	S7	✓				5
2	4 & 6	P2	OPEN	CONT	S7	✓				5
2	1 & 2	P2	CONT	OPEN	S6	✓				7
2	1 & 3	P2	OPEN	CONT	S6	✓				7
2	10 & 9	P2	CONT	OPEN	S5	✓				8
4	21 & 22	P2	CONT	OPEN	S8	✓				13
4	21 & 23	P2	OPEN	CONT	S8	✓				13
4	5 & 6	P4	CONT	OPEN	S22	✓				14
4	5 & 8	P4	OPEN	CONT	S22	✓				14
4	8 & 11	P2	CONT	OPEN	S18	✓				15
4	8 & 7	P2	OPEN	CONT	S18	✓				15
4	3 & 1	P1	CONT	OPEN	S14	✓				16
4	3 & 2	P1	OPEN	CONT	S14	✓				16



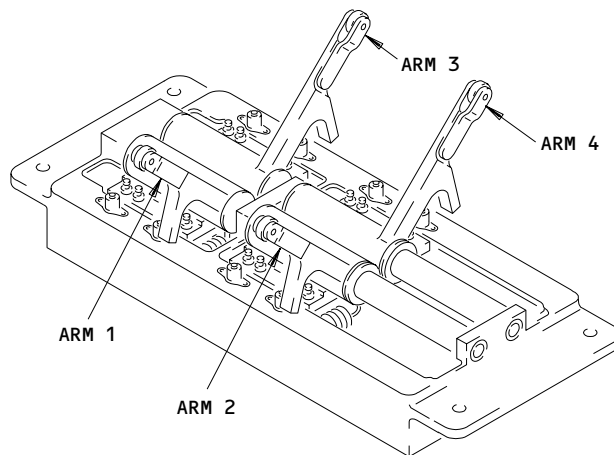
254N1185-14

Continuity Test Table
 Figure 102 (Sheet 3)

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TESTING & TROUBLE SHOOTING
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ARM	PINS	PLUG	ARM ASSEMBLY CONDITION		SWITCHES	SWITCH PACK ASSY			
			DEPRESSED	RELEASED		-7			
4	2 & 3	P1	OPEN	CONT	S14	✓			
3	1 & 3	P1	CONT	OPEN	S10	✓			
3	4 & 5	P1	OPEN	CONT	S17	✓			
3	5 & 17	P1	CONT	OPEN	S17	✓			
1	6 & 7	P1	CONT	OPEN	S1	✓			
1	11 & 12	P1	CONT	OPEN	S2	✓			
1	11 & 13	P1	OPEN	CONT	S2	✓			
1	14 & 15	P1	CONT	OPEN	S3	✓			
1	14 & 16	P1	OPEN	CONT	S3	✓			
3	21 & 23	P1	OPEN	CONT	S11	✓			
3	21 & 22	P1	CONT	OPEN	S11	✓			
2	1 & 2	P2	CONT	OPEN	S6	✓			
2	1 & 3	P2	OPEN	CONT	S6	✓			
2	4 & 5	P2	CONT	OPEN	S7	✓			
2	4 & 6	P2	OPEN	CONT	S7	✓			
4	7 & 8	P2	OPEN	CONT	S18	✓			
4	8 & 11	P2	CONT	OPEN	S18	✓			
2	9 & 10	P2	CONT	OPEN	S5	✓			
4	21 & 22	P2	CONT	OPEN	S8	✓			
4	21 & 23	P2	OPEN	CONT	S8	✓			
3	5 & 6	P3	CONT	OPEN	S21	✓			
3	5 & 8	P3	OPEN	CONT	S21	✓			
4	5 & 6	P4	CONT	OPEN	S22	✓			
4	5 & 8	P4	OPEN	CONT	S22	✓			



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 Continuity Test Table
 Figure 102 (Sheet 4)

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BOEING
 COMPONENT
 MAINTENANCE MANUAL

DECAL NO. (SWITCH NO.), (ITEM NO.)	SWITCH POSITION	SWITCH OR SPACER	PART NUMBER	FUNCTION	SWITCH PACK ASSEMBLY					
					-3	-5	-7			
BAC27TCT0014 (S3),(265)	LEFT ENGINE	1	S003	BACS30BV1	L AUTOBRAKE/AUTOBRAKE RTO	✓	✓	✓		
BAC27TCT0015 (S4),(250)		2	(SPACER)	69B82747-1	NONE	✓	✓	✓		
BAC27TCT0012 (S1),(255)		3	S001	BACS30BV1	LANDING WARNING (LEFT)	✓	✓	✓		
BAC27TCT0013 (S2),(260)		4	S002	141SM2-T2	L AUTOBRAKE/AUTOBRAKE RTO	✓	✓	✓		
BAC27TCT0163 (S11),(305)		9	(SPACER)	69B82747-1	NONE	✓		✓		
BAC27TCT0164 (S12),(245)			S011	141SM2-T2	REV. THRUST DIR. VALVE		✓			
BAC27TCT0292 (S17),(295)		11	S017	BACS30BV1	L LOAD SHED/PRESSURE CONTROL	✓	✓	✓		
BAC27TCT0034 (S10),(300)			S010	BACS30BV1	SPEEDBRAKE RETRACT (LEFT)	✓	✓	✓		
BAC27TCT0031 (S7),(290)		RIGHT ENGINE	5	S007	BACS30BV1	R AUTOBRAKE/AUTOBRAKE RTO	✓	✓	✓	
BAC27TCT0167 (S15),(275)			6	(SPACER)	69B82747-1	NONE	✓	✓	✓	
BAC27TCT0017 (S6),(285)				S006	141SM2-T2	R AUTOBRAKE/AUTOBRAKE RTO	✓	✓	✓	
BAC27TCT0016 (S5),(280)			8	S005	BACS30BV1	LANDING WARNING (RIGHT)	✓	✓	✓	
BAC27TCT0032 (S8),(320)				(SPACER)	69B82747-1	NONE	✓		✓	
BAC27TCT0168 (S16),(270)			14	S016	141SM2-T2	TMS R THRUST REV	✓	✓	✓	
BAC27TCT0298 (S18),(310)				S018	BACS30BV1	R LOAD SHED/PRESSURE CONTROL	✓	✓	✓	
BAC27TCT0166 (S14),(315)			16	S014	BACS30BV1	SPEEDBRAKE RETRACT (RIGHT)	✓	✓	✓	

TMS: THRUST MANAGEMENT SYSTEM

RTO: REJECT TAKE OFF

ITEM NUMBERS REFER TO IPL FIG. 1

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Function Table
Figure 103 (Sheet 1)

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TESTING & TROUBLE SHOOTING

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DECAL NO. (SWITCH NO.), (ITEM NO.)	SWITCH POSITION	SWITCH OR SPACER	PART NUMBER	FUNCTION	SWITCH PACK ASSEMBLY					
					-9	-19				
BAC27TCT0014 (S3),(290)	LEFT ENGINE	1	S003	BACS30BV1	AUTOBRAKE/AUTOBRAKE RTO	✓	✓			
BAC27TCT0015 (S4),(295)		2	(SPACER)	69B82747-1	NONE	✓	✓			
BAC27TCT0012 (S1),(300)		3	S001	BACS30BV1	LANDING WARNING	✓	✓			
BAC27TCT0013 (S2),(305)			S002	141SM2-T2	AUTOBRAKE/AUTOBRAKE RTO	✓	✓			
BAC27NCT0296 (S23),(330)		9	S023	141SM2-T2	THRUST REVERSE INDICATION	✓	✓			
BAC27NCT0294 (S21),(335)			S021	141SM2-T2	THRUST REVERSE CONTROL	✓	✓			
BAC27TCT0292 (S17),(340)		11	S017	BACS30BV1	LOAD SHED/PRESSURE CONTROL	✓	✓			
BAC27TCT0034 (S10),(345)			S010	BACS30BV1	SPEEDBRAKE RETRACT	✓	✓			
BAC27TCT0031 (S7),(310)		RIGHT ENGINE	5	S007	BACS30BV1	AUTOBRAKE/AUTOBRAKE RTO	✓	✓		
BAC27TCT0167 (S15),(315)				(SPACER)	69B82747-1	NONE	✓	✓		
BAC27TCT0017 (S6),(320)			7	S006	141SM2-T2	AUTOBRAKE/AUTOBRAKE RTO	✓	✓		
BAC27TCT0016 (S5),(325)				S005	BACS30BV1	LANDING WARNING	✓	✓		
BAC27NCT0297 (S24),(350)	13		S024	141SM2-T2	THRUST REVERSE INDICATION	✓	✓			
BAC27NCT0295 (S22),(355)			S022	141SM2-T2	THRUST REV CONTROL	✓	✓			
BAC27TCT0298 (S18),(360)	15		S018	BACS30BV1	LOAD SHED/PRESSURE CONTROL	✓	✓			
BAC27TCT0166 (S14),(365)			S014	BACS30BV1	SPEEDBRAKE RETRACT	✓	✓			

TMS: THRUST MANAGEMENT SYSTEM
RTO: REJECT TAKE OFF
ITEM NUMBERS REFER TO IPL FIG. 2

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Function Table
Figure 103 (Sheet 2)

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COMPONENT
MAINTENANCE MANUAL

DECAL NO. (SWITCH NO.), (ITEM NO.)	SWITCH POSITION	SWITCH OR SPACER	PART NUMBER	FUNCTION	SWITCH PACK ASSEMBLY						
					-14						
BAC27TCT0014 (S3),(290)	LEFT ENGINE	1	S003	BACS30BV1	AUTOBRAKE/AUTOBRAKE RTO	✓					
BAC27TCT0015 (S4),(295)		2	(SPACER)	69B82747-1	NONE	✓					
BAC27TCT0012 (S1),(300)		3	S001	BACS30BV1	LANDING WARNING	✓					
BAC27TCT0013 (S2),(305)		4	S002	141SM2-T2	AUTOBRAKE/AUTOBRAKE RTO	✓					
BAC27TCT0163 (S11),(330)		9	S011	141SM2-T2	REV THRUST DIR VALVE	✓					
BAC27NCT0294 (S21),(335)		10	S021	141SM2-T2	THRUST REVERSE CONTROL	✓					
BAC27TCT0292 (S17),(340)		11	S017	BACS30BV1	LOAD SHED/PRESSURE CONTROL	✓					
BAC27TCT0034 (S10),(345)		12	S010	BACS30BV1	SPEEDBRAKE RETRACT	✓					
BAC27TCT0031 (S7),(310)		RIGHT ENGINE	5	S007	BACS30BV1	AUTOBRAKE/AUTOBRAKE RTO	✓				
BAC27TCT0167 (S15),(315)			6	(SPACER)	69B82747-1	NONE	✓				
BAC27TCT0017 (S6),(320)			7	S006	141SM2-T2	AUTOBRAKE/AUTOBRAKE RTO	✓				
BAC27TCT0016 (S5),(325)			8	S005	BACS30BV1	LANDING WARNING	✓				
BAC27TCT0032 (S8),(350)			13	S024	141SM2-T2	REV THRUST DIR VALVE	✓				
BAC27NCT0295 (S22),(355)			14	S022	141SM2-T2	THRUST REVERSE CONTROL	✓				
BAC27TCT0298 (S18),(360)			15	S018	BACS30BV1	LOAD SHED/PRESSURE CONTROL	✓				
BAC27TCT0166 (S14),(365)			16	S014	BACS30BV1	SPEEDBRAKE RETRACT	✓				

TMS: THRUST MANAGEMENT SYSTEM
 RTO: REJECT TAKE OFF
 ITEM NUMBERS REFER TO IPL FIG. 2

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Function Table
 Figure 103 (Sheet 3)

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TESTING & TROUBLE SHOOTING
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DECAL NO. (SWITCH NO.), (ITEM NO.)	SWITCH POSITION	SWITCH OR SPACER	PART NUMBER	FUNCTION	SWITCH PACK ASSEMBLY				
					-7				
BAC27TCT0014 (S3),(265)	LEFT ENGINE	1	S003	BACS30BV1	L AUTOBRAKE/AUTOBRAKE RTO	✓			
BAC27TCT0015 (S4),(250)		2	(SPACER)	69B82747-1	NONE	✓			
BAC27TCT0012 (S1),(255)		3	S001	BACS30BV1	LANDING WARNING (LEFT)	✓			
BAC27TCT0013 (S2),(260)		4	S002	141SM2-T2	L AUTOBRAKE/AUTOBRAKE RTO	✓			
BAC27NCT0163 (S11),(305)		9	S011	141SM2-T2	REV. THRUST DIR. VALVE	✓			
BAC27NCT0294 (S21),(247)		10	S021	141SM2-T2	L THRUST REVERSE LOCK	✓			
BAC27TCT0292 (S17),(295)		11	S017	BACS30BV1	L LOAD SHED/PRESSURE CONTROL	✓			
BAC27TCT0034 (S10),(300)		12	S010	BACS30BV1	SPEEDBRAKE RETRACT (LEFT)	✓			
BAC27TCT0031 (S7),(290)	RIGHT ENGINE	5	S007	BACS30BV1	R AUTOBRAKE/AUTOBRAKE RTO	✓			
BAC27TCT0167 (S15),(275)		6	(SPACER)	69B82747-1	NONE	✓			
BAC27TCT0017 (S6),(285)		7	S006	141SM2-T2	R AUTOBRAKE/AUTOBRAKE RTO	✓			
BAC27TCT0016 (S5),(280)		8	S005	BACS30BV1	LANDING WARNING (RIGHT)	✓			
BAC27NCT0032 (S8),(320)		13	S008	141SM2-T2	REV. THRUST DIR. VALVE	✓			
BAC27NCT0295 (S16),(270)		14	S022	141SM2-T2	TMS R THRUST REV	✓			
BAC27TCT0298 (S18),(310)		15	S018	BACS30BV1	R LOAD SHED/PRESSURE CONTROL	✓			
BAC27TCT0166 (S14),(315)		16	S014	BACS30BV1	SPEEDBRAKE RETRACT (RIGHT)	✓			

TMS: THRUST MANAGEMENT SYSTEM
RTO: REJECT TAKE OFF
ITEM NUMBERS REFER TO IPL FIG. 1

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Function Table
Figure 103 (Sheet 4)

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TESTING & TROUBLE SHOOTING
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DISASSEMBLY1. Parts Replacement

NOTE: The following parts are recommended for replacement. Unless otherwise specified, actual replacement of parts may be based on in-service experience.

- A. Shim (90, IPL Fig. 1; 90, IPL Fig. 2)
- B. Cotter pin (120, 180; 120, 150 IPL Fig. 2)
- C. Lockwire

2. Disassembly (IPL Fig. 1)

- A. Remove springs (5) from arm assemblies (20, 25) and housing assembly (210A).
- B. Remove lockwire and pins (10) from housing assembly (210A).
- C. Remove shafts (15), shims (90), spacers (85) and arm assemblies (20, 25) from housing assembly (210A).

NOTE: Do not disassemble arm assemblies (20, 25) unless necessary for repair or replacement.

- D. Remove cotter pins (180), bolts (185), nuts (190), trunnions (195), springs (200) and channels (205) from housing assembly (210A).
- E. Remove cotter pins (120), collars (140, 145), washers (130, 135), shafts (125) and housing assembly (210A).
- F. Deleted.

NOTE: Do not remove wires from switches unless necessary for repair or replacement.

Do not disassemble housing assembly (210A) unless necessary for repair or replacement.

Do not remove wire bundle assembly (230A, 330, 340) or switches (165, 167, 170) from housing assembly (210A) unless necessary for repair or replacement.

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DISASSEMBLY

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3. Disassembly (IPL Fig. 2)

- A. Remove springs (5) from arm assemblies (20, 25) and housing assembly (180).
- B. Remove lockwire and pins (10) from housing assembly (180).
- C. Remove shafts (15), shims (90), spacers (85) and arm assemblies (20, 25) from housing assembly (180).

NOTE: Do not disassemble arm assemblies (20, 25) unless necessary for repair or replacement

- D. Remove cotter pins (150), bolts (155), nuts (160), trunnions (165), springs (170) and channels (175) from housing assembly (180).
- E. Remove cotter pins (120), collars (140, 145), washers (130, 135), shafts (125) and housing assembly (180).

- F. Deleted.

NOTE: Do not remove wires from switches unless necessary for repair or replacement.

Do not disassemble housing assembly (180) unless necessary for repair or replacement.

Do not remove wire bundle assembly (200) or switches (230, 235, 235A, 265, 265A, 280, 280A) from housing assembly (180) unless necessary for repair or replacement.

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DISASSEMBLY

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CLEANING

1. Clean all parts except bearings using standard industry practices (Ref 20-30-03).
- | 2. Clean bearings (35B, IPL Fig. 1; 35A, IPL Fig. 2) per manufacturer's instructions.

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CLEANING
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CHECK

1. Check all parts for obvious defects in accordance with standard industry practices.
2. Magnetic particle check per 20-20-01 -- Bolt (185 IPL Fig. 1; 155, IPL Fig. 2), nut (190, IPL Fig. 1; 160, IPL Fig. 2).
3. Penetrant check per 20-20-02 -- Support arm (45, IPL Fig. 1; 45, IPL Fig. 2), arm (75, 80, IPL Fig. 1; 75, 80, IPL Fig. 2, trunnion (195, IPL Fig. 1; 165, IPL Fig. 2), channel (205, IPL Fig. 1; 175, IPL Fig. 2), housing (225, IPL Fig. 1; 195, IPL Fig. 2).
4. Check springs (5, 200, IPL Fig. 1; 5, 170 IPL Fig. 2) per Fig. 501.

Item No. IPL Fig. 1, Fig. 2	Test Length (inches)	Allowable Load Limits (pounds)
200,170	0.356 to 0.436	3.20
5,5	1.36 to 1.44	7.25

Spring Check Data
Figure 501

5. Check bearings (35B, IPL Fig. 1; 35A, IPL Fig. 2) in arm assemblies (20, 25, IPL Fig. 1; 20, 25 IPL Fig. 2) for serviceability by turning bearings by hand. Serviceable bearings should spin freely when spun by hand. Replace unserviceable bearings per Repair 2-1.

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CHECK

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REPAIR – GENERAL1. Content

- A. Repair, refinish and replacement procedures are included in separate repair sections as follows:

<u>P/N</u>	<u>NAME</u>	<u>REPAIR</u>
254N1185 250T1017	MICROSWITCH PACK	1-1
254N1192	ARM ASSY	2-1
BAC27TCT BAC27NCT	DECAL	3-1
--	MISC PARTS REFINISH	4-1

2. Standard Practices

- A. Refer to the following standard practices as applicable, for details of procedures in individual repairs.

20-11-02 Repair of Electrical Connectors
 20-11-03 Repair of Electrical Terminations and Electrical Bonding Areas
 20-12-01 Soldering Electrical Connectors
 20-30-01 Cleaning and Relubrication Antifriction Bearings
 20-30-02 Stripping of Protective Finishes
 20-30-03 General Cleaning Procedures
 20-41-01 Decoding Tables for Boeing Finish Codes
 20-41-02 Application of Solvent Resistant Finishes
 20-50-03 Bearing Installation and Retention
 20-50-05 Application of Aluminum Foil and other Markers

3. Materials

NOTE: Equivalent substitutes may be used.

- A. Primer -- BMS 10-11, Type 1 (Ref 20-60-02)

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REPAIR-GENERAL

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- B. Sealant -- BMS 5-95 (Ref 20-60-04)
- C. Top Coating -- BMS 3-11 resistant, BAC5710, Type 41 (Ref 20-60-02)
- D. Sealer -- Scotchlite 776 or No. 3950 (Ref 20-60-04)
- E. Lockstitch -- 417X (Ref 20-60-04)
- F. Corrosion Preventive Compound -- MIL-C-11796 (Ref 20-60-02)

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REPAIR-GENERAL

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MICROSWITCH PACK ASSEMBLY – REPAIR 1-1

254N1185-3, -5, -7, -9, -14, -19
250T1017-7

NOTE: Refer to REPAIR-GEN for list of applicable standard practices.

1. Wire Bundle Replacement For 254N1185-3,-5, -7; 250T1017-7 (IPL, Fig. 1, Fig. 601)

- A. Remove screws (150), nuts (155), separate mounting arms (160), spacers (175), and switches (165, 167, 170).
- B. Remove screw (95, 97), washer (100), nut (105), and clamp (115, 117) from housing assembly (210A).
- C. Remove clamp (115, 117) and optional plug (110, 111, if installed) from wire bundle assembly (230A, 330, 340).

CAUTION: SWITCHES (165, 167, 170) ARE NOT INTERCHANGEABLE. REFER TO IPL FIG. 1 AND FIG. 101 THRU 103, AND FIG. 701 FOR POSITIONS OF SWITCHES (165, 167, 170) AND SPACERS (175).

- D. Position all switches (165, 167, 170) and spacers (175) on a table as shown in bottom view of Fig. 701.
- E. Install switches (165, 167, 170) and spacers (175) on mounting arms (160) with screws (150) and nuts (155).
- F. Install parts assembled in par. D. on housing assembly (210A) with shafts (125) collars (140, 145), cotter pins (120), washers (130, 135). Provide 0.03 in maximum end float by adjusting numbers of washers (130, 135).
- G. Install clamp (115, 117) and optional plug (110, 111) on wire bundle assembly (230A, 330, 340).
- H. Position wire bundle assembly (230A, 330, 340) as shown (Fig. 601) and install clamp (115, 117) on housing assembly (210A) with screw (95, 97), washer (100), and nut (105).
- I. Tie with lockstitch (4 places).

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REPAIR 1-1

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- J. Adjust switches (165, 167, 170) per ASSEMBLY section for IPL Fig. 1.
- K. Test per TESTING AND TROUBLE SHOOTING section.

NOTE: Refer to REPAIR-GEN for list of applicable standard practices.

2. Wire Bundle Replacement For 254N1185-9, -14, -19 (IPL, Fig. 2, Fig. 601, Fig. 701)

NOTE: Wire bundle assemblies come with switches attached. Replace wire bundle and switches as a unit.

- A. Remove screws (205), nuts (215), separate mounting arms (220), spacers (210), and switches (230, 235, 235A, 260, 260A, 265, 265A, 280 and 280A).
- B. Remove screw (95), washer (100), nut (105A), and clamps (115A, 116, 117) from housing assembly (180).
- C. Remove clamps (115A, 116, 117) and optional plug (110, if installed) from wire bundle assembly (200).

CAUTION: SWITCHES (230, 235, 235A, 260, 260A, 265, 265A, 280 AND 280A) ARE NOT INTERCHANGEABLE. REFER TO IPL FIG. 2 AND FIG. 101 THRU 103, AND FIG. 701, FOR POSITIONS OF SWITCHES (230, 235, 235A, 260, 260A, 265, 265A, 280 AND 280A) AND SPACERS (210).

- D. Position all switches (230, 235, 235A, 260, 260A, 265, 265A, 280 and 280A) and spacers (210) on a table as shown in bottom view of Fig. 701.
- E. Install switches (230, 235, 235A, 260, 260A, 265, 265A, 280 and 280A) and spacers (210) on mounting arms (220) with screws (205) and nuts (215).
- F. Install parts assembled in par. D. on housing assembly (180) with shafts (125) collars (140, 145), cotter pins (120), washers (130, 135). Provide 0.03 in maximum end float by adjusting numbers of washers (130, 135).
- G. Install clamps (115A, 116, 117) and optional plug on wire bundle assembly (200).
- H. Position wire bundle assembly (200) as shown (Fig. 601) and install clamps (115A, 116, 117) on housing assembly (180) with screw (95), washer (100), and nut (105A).
- I. Tie with lockstitch (4 places).
- J. Adjust switches (230, 235, 235A, 260, 260A, 265, 265A, 280 and 280A) per ASSEMBLY section for IPL Fig. 2.
- K. Test per TESTING AND TROUBLE SHOOTING section.

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3. Switch Replacement For 254N1185-3, -5, -7 and 250T1017-7 (IPL Fig. 1, Fig. 101 thru 103, Fig. 601, Fig. 701)
 - A. Determine switch number of faulty switch by decal (245 thru 320) or per Fig. 101.
 - B. Remove cotter pins (180), bolts (185), nuts (190), trunnions (195), springs (200) and channel (205) from housing assembly (210).
 - C. Remove screws (150) and nuts (155).
 - D. Remove faulty switch from mounting arm and adjacent switch (or spacer) and wires.
 - E. Continuity test new switch per par 2.E of TESTING AND TROUBLE SHOOTING section.
 - F. Install replacement switch between mounting arm and switch (or spacer) with screws (150) and nuts (155).
 - G. Install trunnions (195), channel (205), nuts (190), springs (200), and bolts (185) on housing assembly per Fig. 701. Adjust bolts (185) and nuts (190) to settings shown Fig. 701, and lock position of nut (190) with pin (180).
 - H. Adjust switches per ASSEMBLY section, IPL Fig. 1.
 - I. Connect wires to switch and retest per TESTING AND TROUBLE SHOOTING section, par 2.
4. Switch Replacement For 254N1185-9, -14, -19 (IPL Fig. 2, Fig. 101 thru 103, Fig. 601, Fig. 701)
 - A. Determine switch number of faulty switch by decal (290 thru 365) or per Fig. 101 thru 103, Fig. 601 and Fig. 701.
 - B. Remove cotter pins (150), bolts (155), nuts (160), trunnions (165), springs (170) and channel (175) from housing assembly (180).
 - C. Remove screws (205) and nuts (215).
 - D. Remove faulty switch from mounting arm and adjacent switch (or spacer) and wires.
 - E. Continuity test new switch per par. 3.E. of Testing and Trouble Shooting section.
 - F. Install replacement switch between mounting arm and switch (or spacer) with screws (205) and nuts (215).

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- G. Install trunnions (165), channel (175), nuts (160), springs (170), and bolts (155) on housing assembly per Fig. 701. Adjust bolts (155) and nuts (160) to settings shown Fig. 701, and lock position of nut (160) with pin (150).
- H. Adjust switches per ASSEMBLY section, IPL Fig. 2.
- I. Connect wires to switch and retest per TESTING AND TROUBLE SHOOTING section, par. 3.

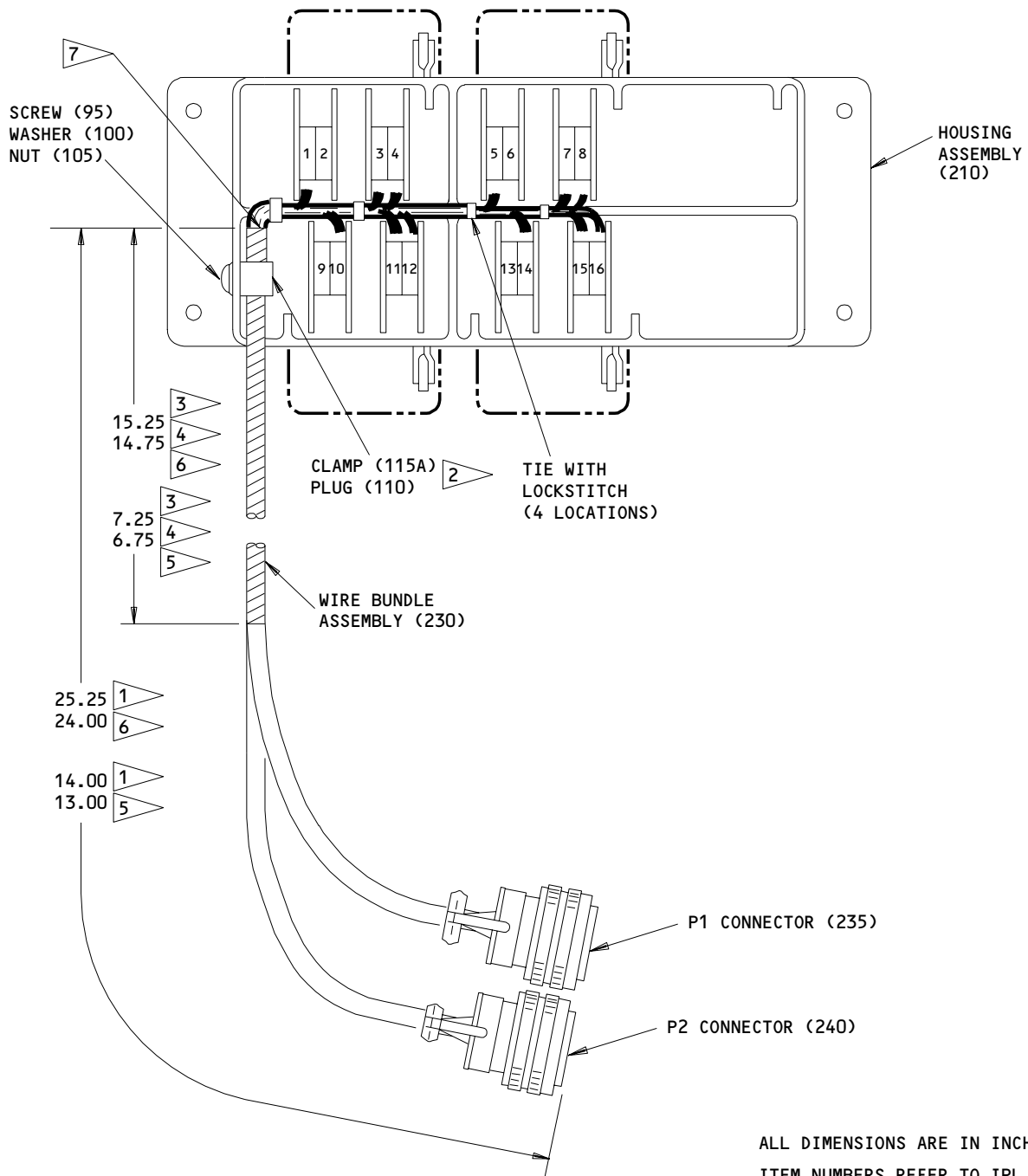
22-32-38

REPAIR 1-1

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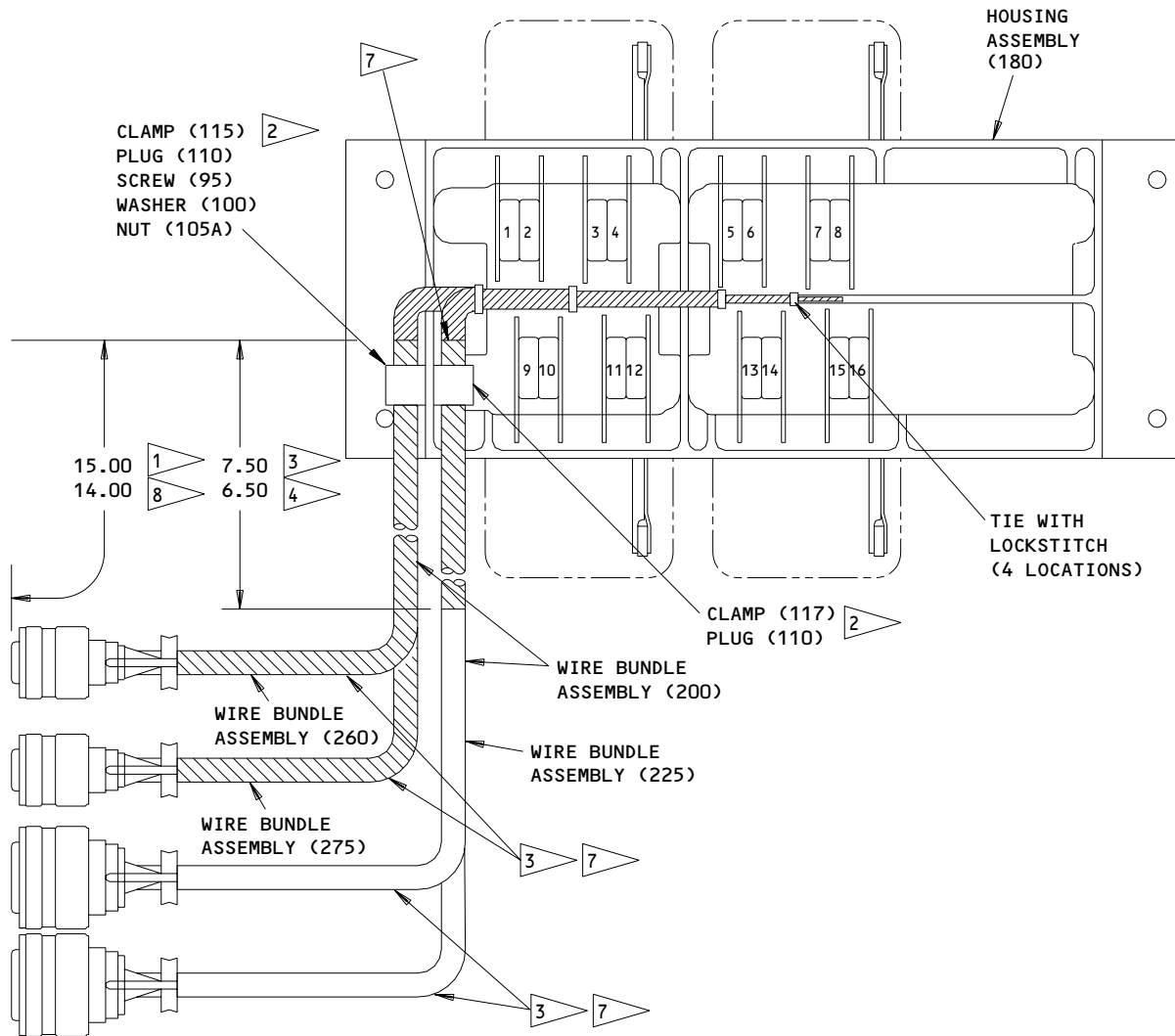


254N1185-3,-5,-7
Wire Bundle Assembly - Replacement Details
Figure 601 (Sheet 1)

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REPAIR 1-1
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ITEM NUMBERS REFER TO IPL FIG. 2
 ALL DIMENSIONS ARE IN INCHES

254N1185-9,-19

Wire Bundle Assembly - Replacement Details
 Figure 601 (Sheet 2)

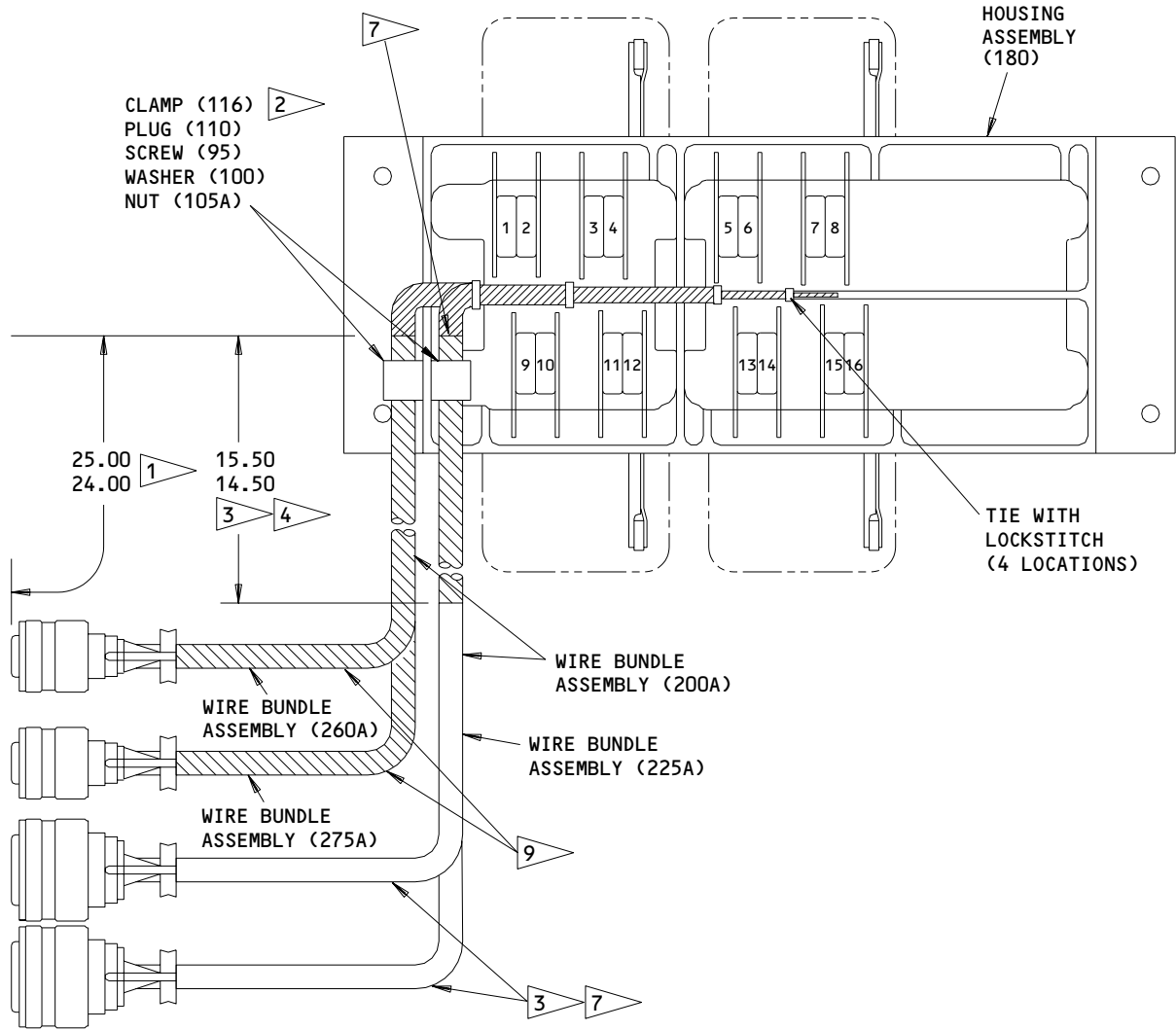
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REPAIR 1-1

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ITEM NUMBERS REFER TO IPL FIG. 2
ALL DIMENSIONS ARE IN INCHES

254N1185-14
Wire Bundle Assembly - Replacement Details
Figure 601 (Sheet 3)

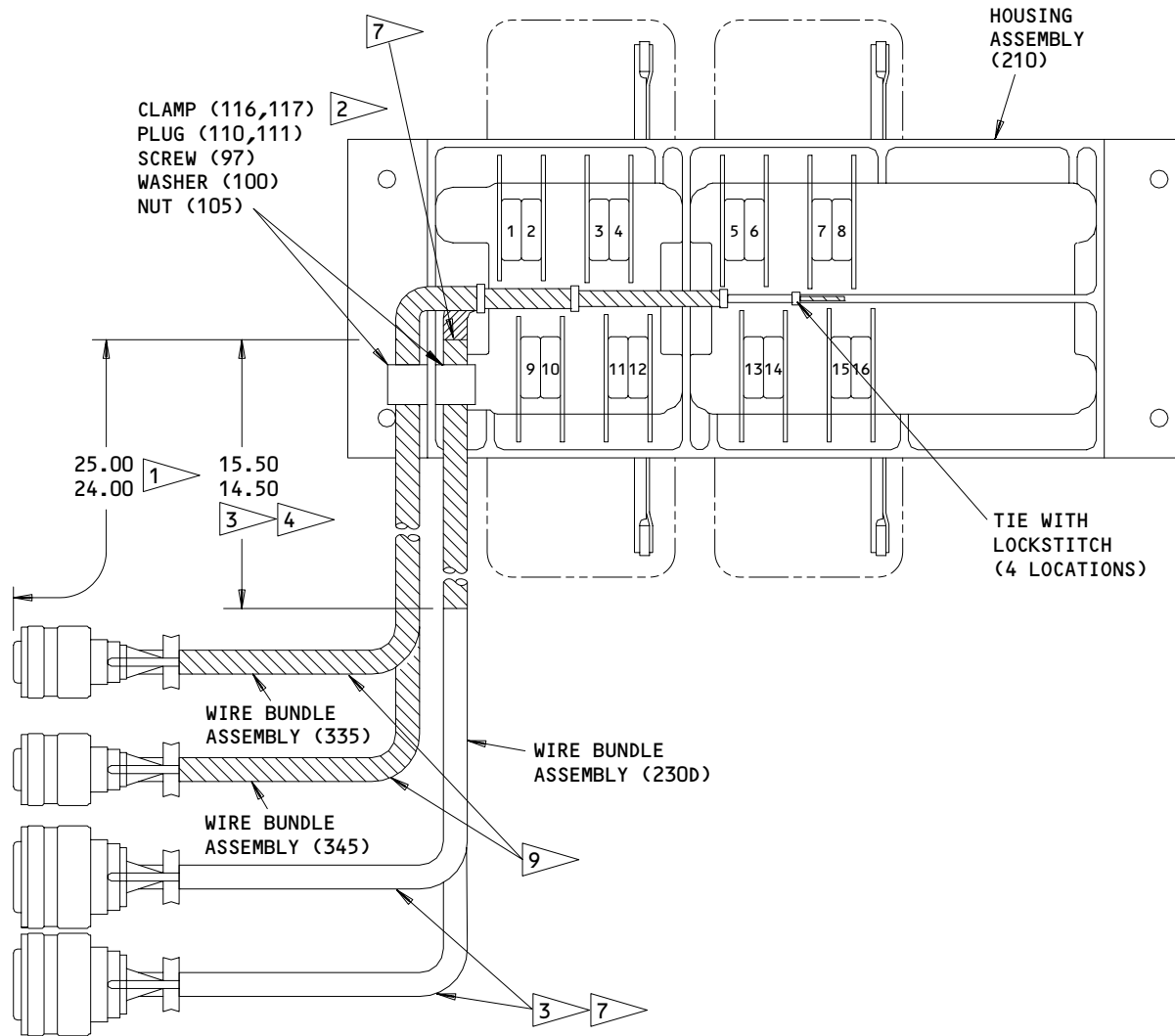
22-32-38

REPAIR 1-1

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250T1017-7

- | | |
|--|---|
| <p>1 DIMENSION APPLICABLE TO STRAIGHT LENGTH OF WIRE</p> <p>2 BACP20BA1 FILLER PLUG MAY BE USED TO PREVENT CABLE SLIPPAGE THROUGH CLAMP (IPL FIG. 1, 115A,117) AND (IPL FIG. 2, 115,116,117).</p> <p>3 APPLY YELLOW HEAT SHRINK TUBING RT876</p> <p>4 SHRINK FIT SLEEVE 100 PERCENT OVER THIS LENGTH</p> <p>5 254N1185-3,-7</p> <p>6 254N1185-5</p> <p>7 SHRINK FIT SLEEVE SEPARATELY, 100 PERCENT OVER EACH WIRE BUNDLE, FROM BASE OF CONNECTORS TO ENDING POINT INDICATED.</p> | <p>8 SLEEVE WIRE BUNDLES (260,275) SEPARATELY USING VARGLASS SLEEVING, TYPE HO OR HP.</p> <p>9 SLEEVE WIRE BUNDLES (260,275,335,345) SEPARATELY USING VARGLASS SLEEVING, TYPE HO OR HP. INSTALL BMS 13-52, TYPE IV EXPANDABLE SLEEVING OVER PREVIOUSLY INSTALLED VARGLASS SLEEVING. ALL SLEEVING TO BE CONTINUOUS FROM BASE OF CONNECTORS TO SWITCH TERMINALS. OPTIONAL - HEAT SHRINK TUBING RT876, COLOR YELLOW MAY BE USED IN PLACE OF BMS 13-52, TYPE IV EXPANDABLE SLEEVING. ITEM NUMBERS REFER TO IPL FIG. 1</p> <p>ALL DIMENSIONS ARE IN INCHES</p> |
|--|---|

Wire Bundle Assembly - Replacement Details
 Figure 601 (Sheet 4)

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ARM ASSEMBLY – REPAIR 2-1

254N1192-1, -2

NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions, Fig. 601.

1. Bearing Replacement (IPL Fig. 1, IPL Fig. 2, Fig. 601).
 - A. Remove rivet (30) and bearing (35B, IPL Fig. 1; 35A, IPL Fig. 2).
 - B. Clean new bearing (35B, IPL Fig. 1; 35A, IPL Fig. 2) to remove all grease. No lubrication is required.
 - C. Position replacement bearing between arm (75, 80) and support arm (45). Install rivet (30) with MIL-C-11796 corrosion preventive compound on all surfaces. Rivet must be flush to 0.005 in. below surface of arm (75, 80).
 - D. Check that bearing turns freely after replacement.
2. Bushing Replacement (IPL Fig. 1, IPL Fig. 2, Fig. 601)
 - A. Remove bushing (50).
 - B. Install new bushing per 20-50-03 except use wet BMS 5-95 sealant.
3. Pad Replacement (IPL Fig. 1, Fig. 601).
 - A. Remove screws (55A) and pads (70) from arm assembly (20, 25).
 - B. Do not remove or adjust screw (60A) or nut (65). Screw (60A) simplifies switch adjustment during assembly.
 - C. Install new pads (70) and screws (55A) on arm (75, 80).

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REPAIR 2-1

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4. Support Arm Replacement (IPL Fig. 1, IPL Fig. 2, Fig. 601)
- A. Remove bearing (35B, IPL Fig. 1; 35A, IPL Fig. 2) per paragraph 1.
 - B. Remove rivets (40A) and support arm (45) from arm assembly (20, 25).
 - C. Position new support arm (45) to arm (75, 80) and drill 0.066-0.072 in diameter rivet hole.
 - D. Install rivets (40A).
 - E. Install bearing (35B, IPL Fig. 1; 35A, IPL Fig. 2) per paragraph 1.

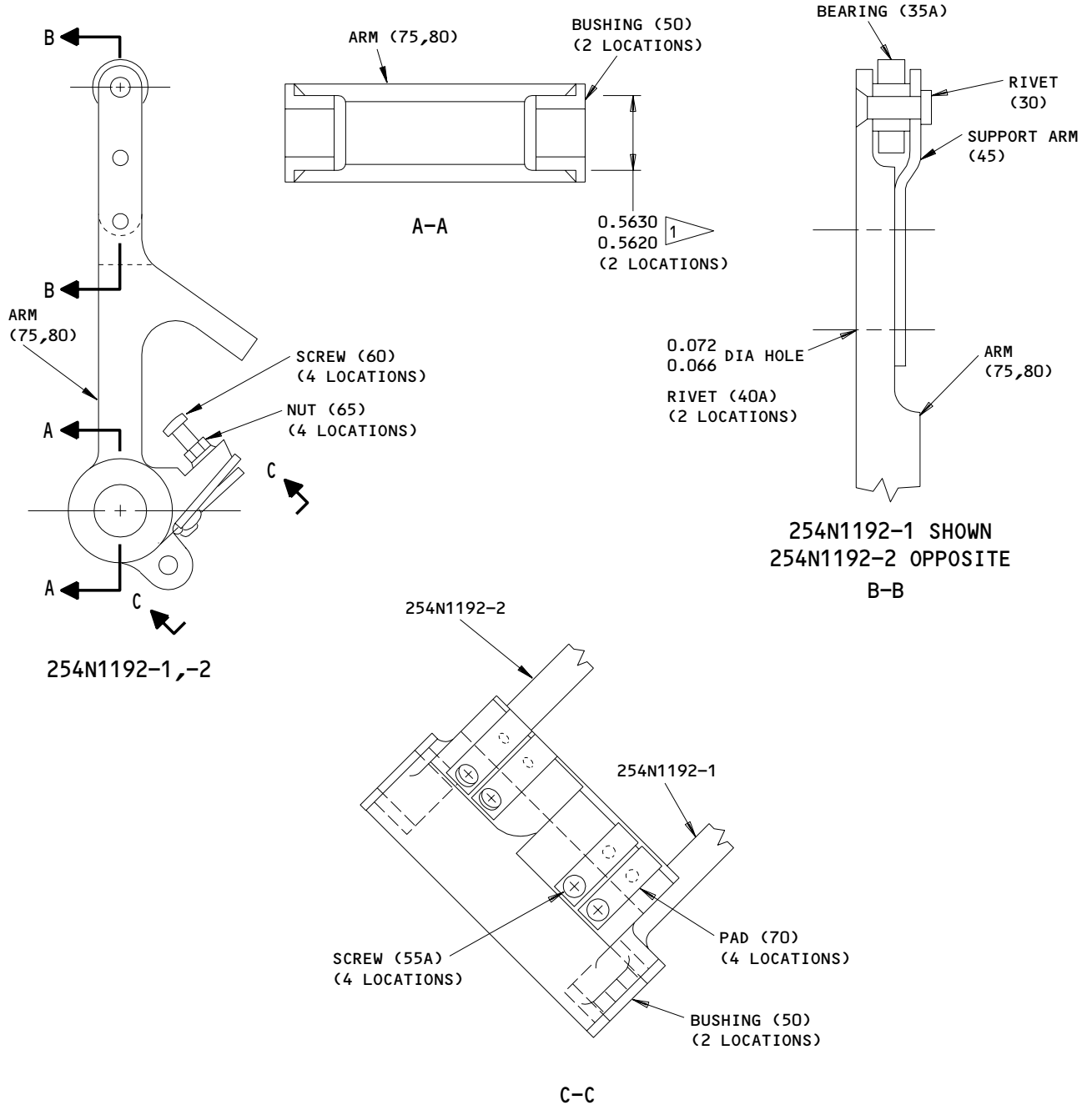
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REPAIR 2-1

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REFINISH

ARM (75,80)--CHROMIC ACID ANODIZE (F-17.04)
 AND APPLY TWO COATS OF BMS 10-11, TYPE 1
 PRIMER (F-20.03) UNLESS SHOWN DIFFERENTLY.

1 OMIT PRIMER

ITEM NUMBERS REFER TO IPL FIG. 1, 2

Arm Assembly - Replacement Detail
 Figure 601

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REPAIR 2-1

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DECAL - REPAIR 3-1

BAC2TCT0012 thru 0017, 0031, 0032, 0034, 0163, 0164, 0166,
0167, 0168, 292, 298
BAC27NCT0294 thru 0297

NOTE: Refer to REPAIR-GEN for list of applicable standard practices.

1. Decal Replacement (IPL Fig. 1, Fig. 601)

- A. Install decals (245 thru 320) to position shown (Fig. 601) and apply BAC5710, type 4 or Scotchlite 776 sealer on decals.

2. Decal Replacement (IPL Fig. 2, Fig. 601)

- A. Install decals (290 thru 365) to position shown (Fig. 601) and apply BAC5710, type 4 or Scotchlite 776 sealer on decals.

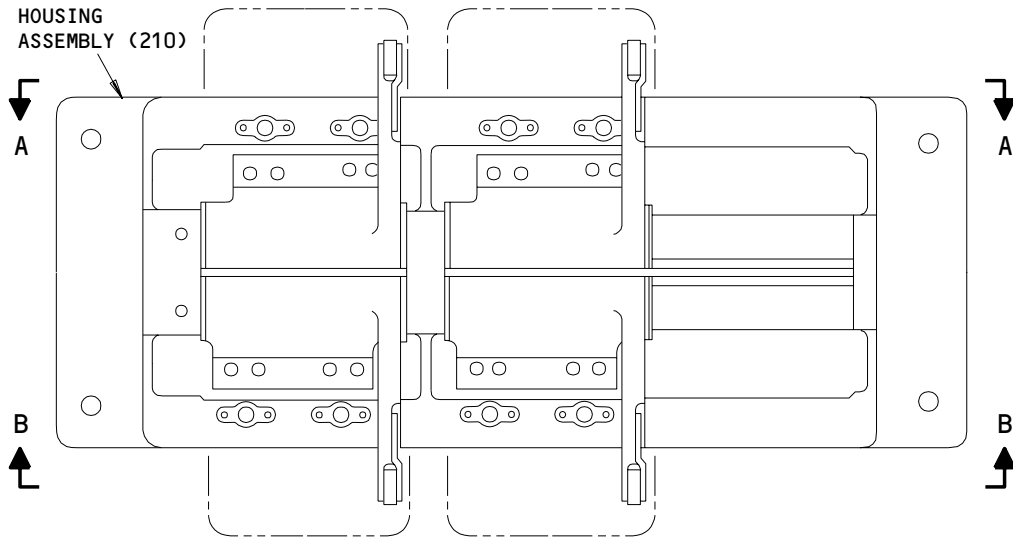
22-32-38

REPAIR 3-1

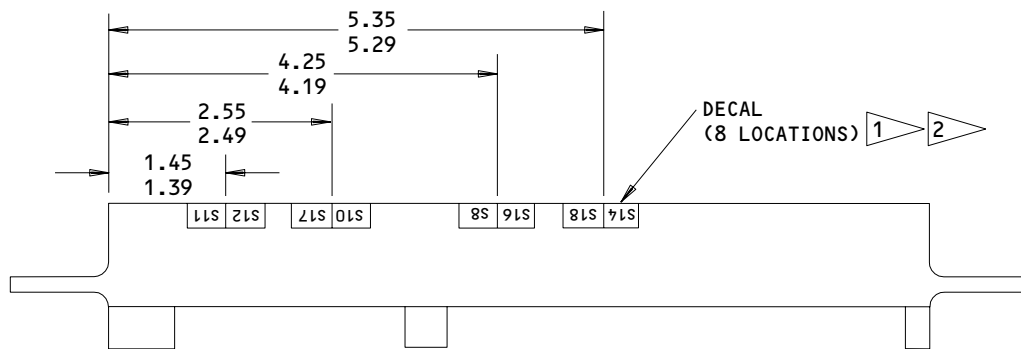
01.1

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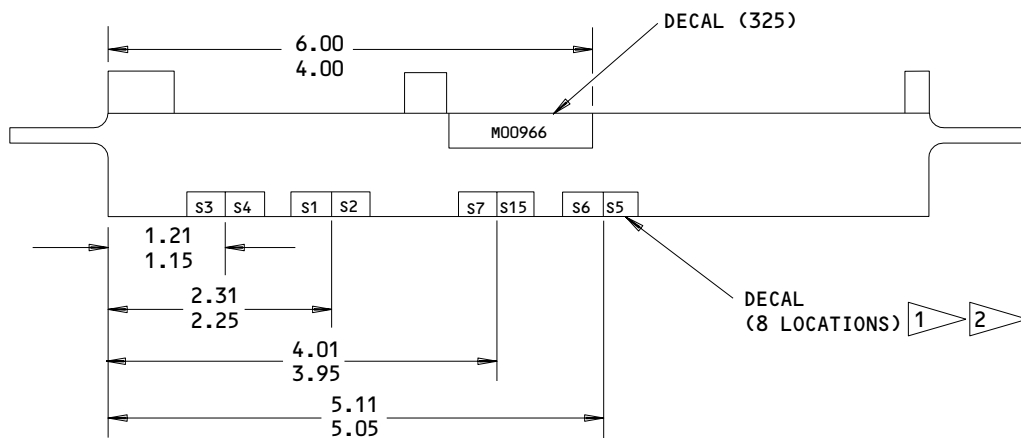
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TOP VIEW



A-A



B-B

ITEM NUMBERS REFER TO IPL FIG. 1
 ALL DIMENSIONS ARE IN INCHES

254N1185-3,-5,-7
 Decal - Replacment Detail
 Figure 601 (Sheet 1)

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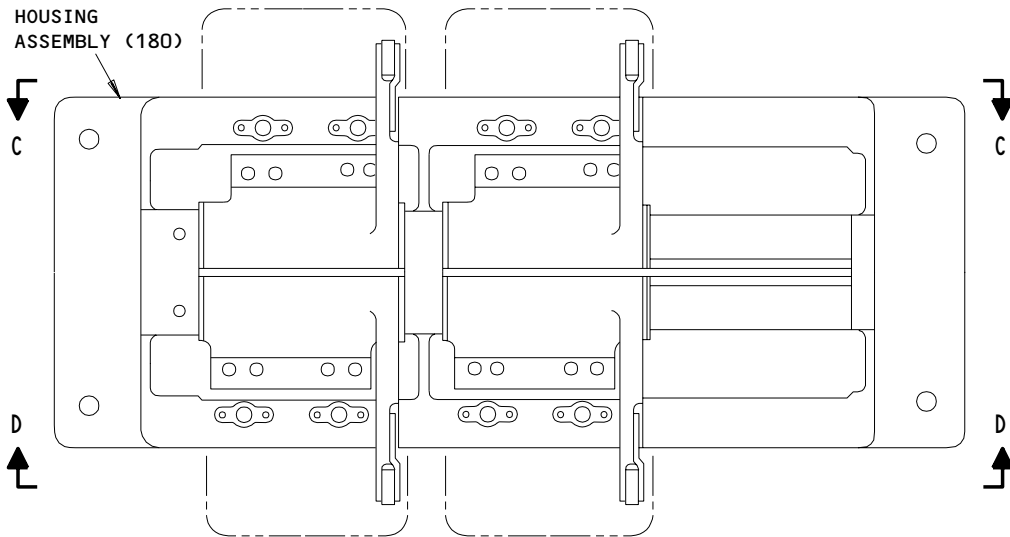
REPAIR 3-1

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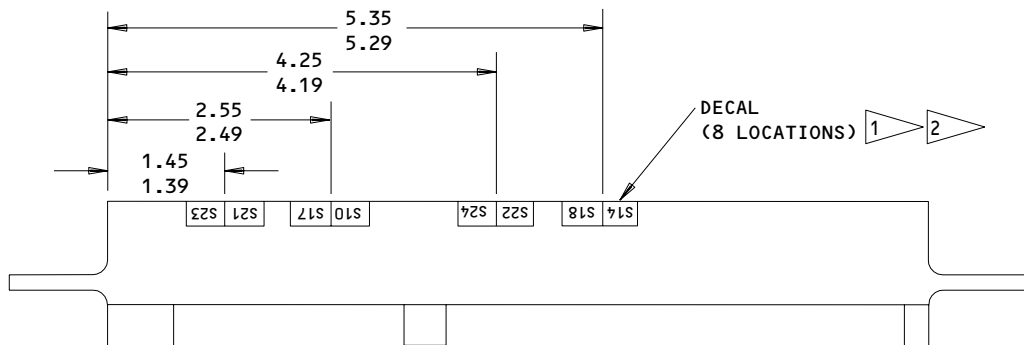
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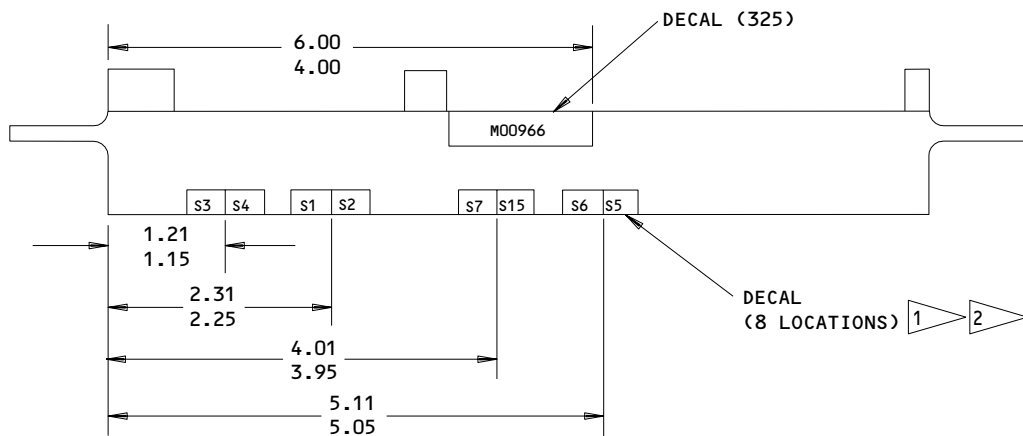
BOEING
COMPONENT
MAINTENANCE MANUAL



TOP VIEW



C-C



D-D

ITEM NUMBERS REFER TO IPL FIG. 2
 ALL DIMENSIONS ARE IN INCHES

254N1185-9,-19

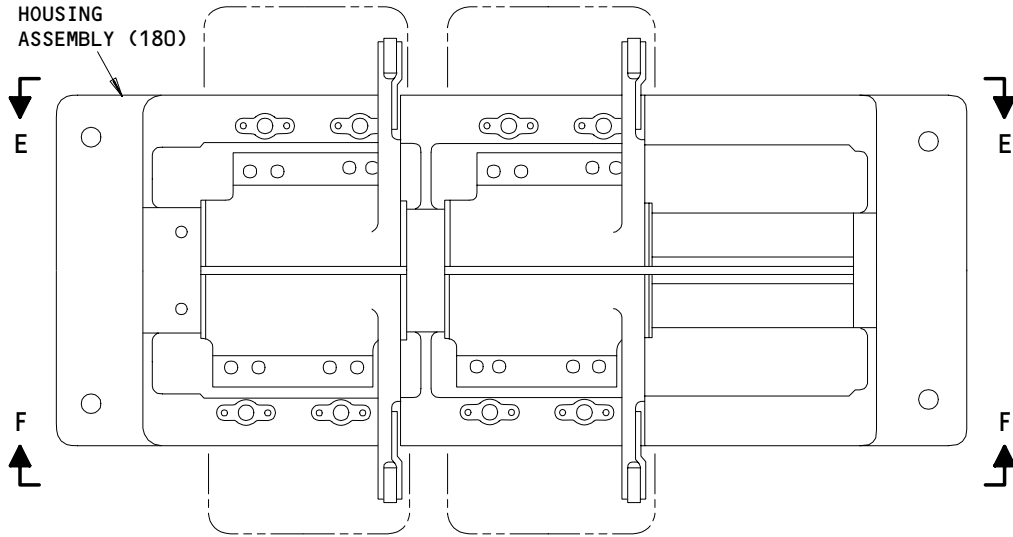
Decal - Replacement Detail
 Figure 601 (Sheet 2)

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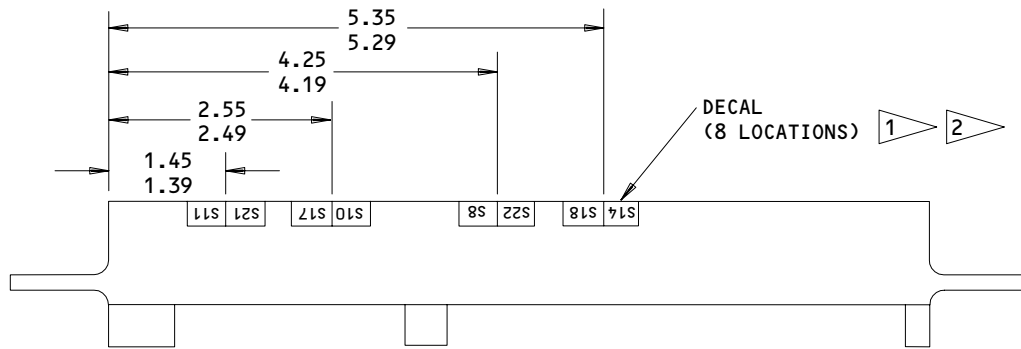
REPAIR 3-1
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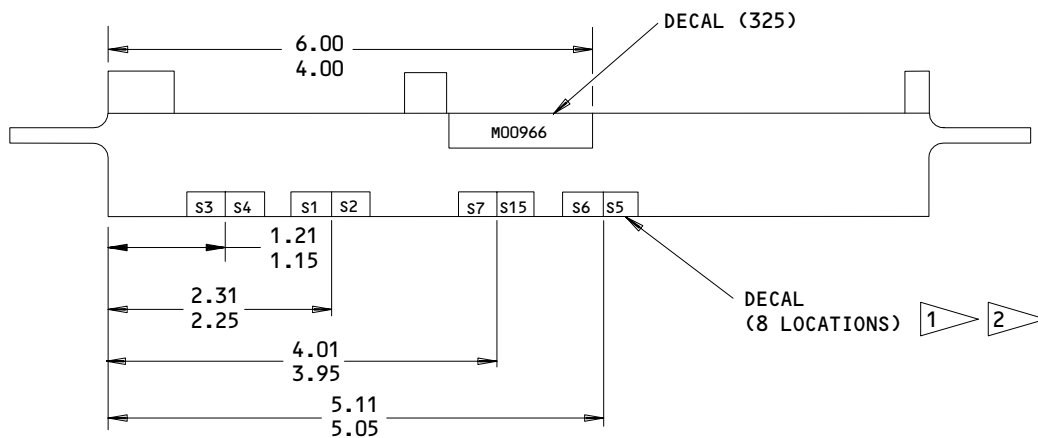
COMPONENT
MAINTENANCE MANUAL



TOP VIEW



E-E



F-F

ITEM NUMBERS REFER TO IPL FIG. 2

ALL DIMENSIONS ARE IN INCHES

254N1185-14

Decal - Replacment Detail
Figure 601 (Sheet 3)

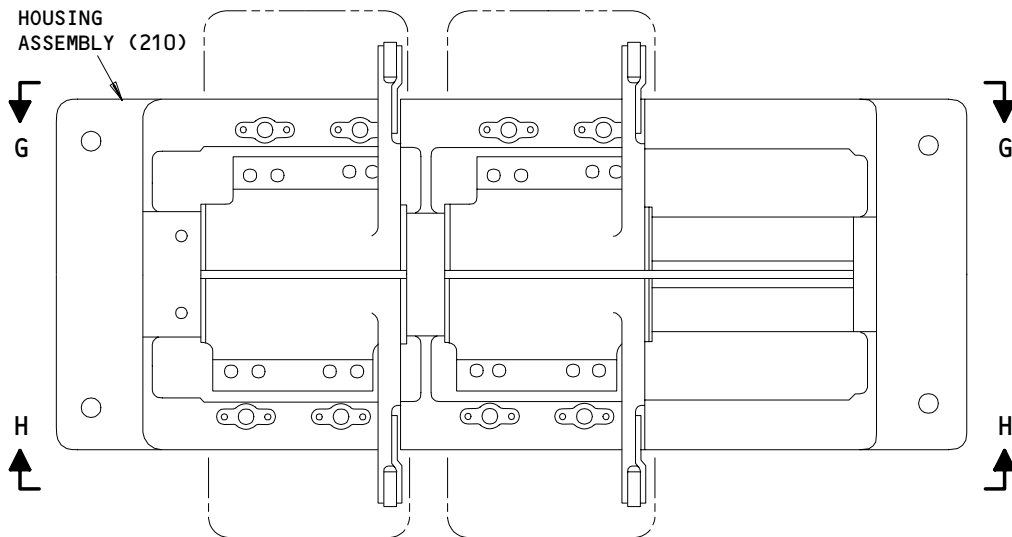
22-32-38

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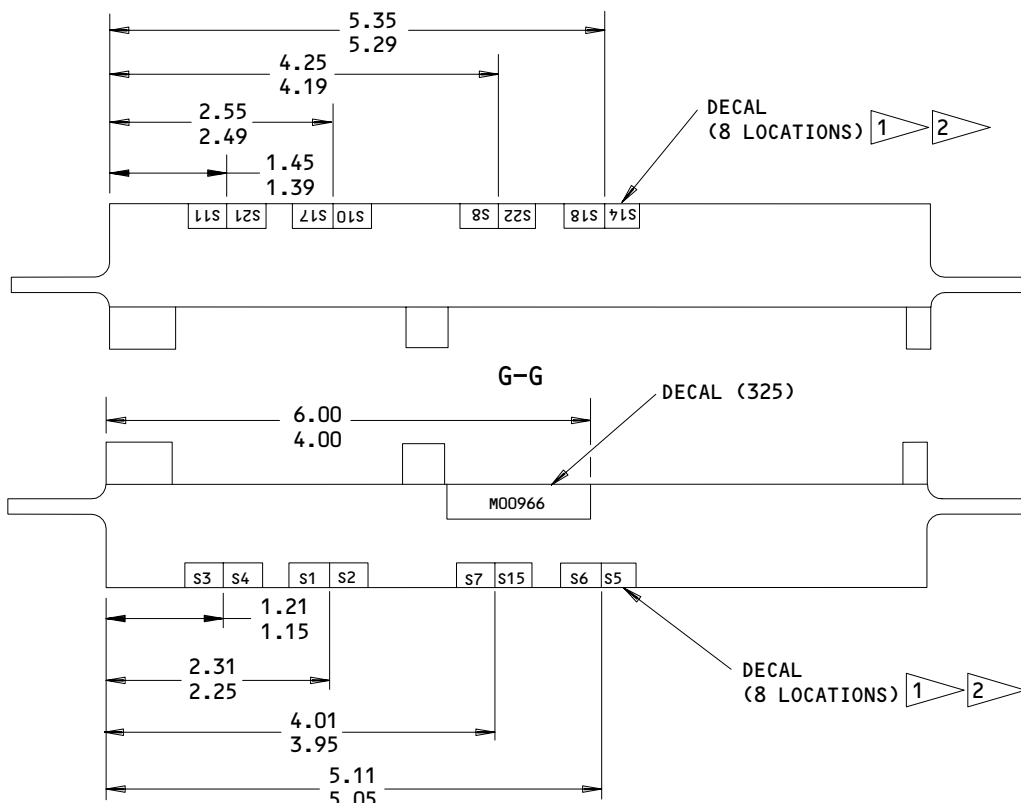
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TOP VIEW



H-H
 250T1017-7

ITEM NUMBERS REFER TO IPL FIG. 1
 ALL DIMENSIONS ARE IN INCHES

- 1 APPLY BOSTIK 683-3-2 OR OPTIONAL SCOTCHLITE 776 SEALER ON ALL VINYL DECALS
- 2 REFER TO FIG. 103 FOR PART NUMBER OR ITEM NUMBER OF DECALS

Decal - Replacment Detail
 Figure 601 (Sheet 4)

MISC PARTS REFINISH - REPAIR 4-1

1. Repair of parts listed in Fig. 601 consists of restoration of the original finish.

IPL FIG. & ITEM	MATERIAL	FINISH
Shaft (15, IPL Fig. 1; 15, IPL Fig. 2)	Al alloy	Chromic acid anodize (F-17.02) and apply one coat of BMS 10-11, Type 1 primer (F-20.02) on ID of tube only.
Shaft (125, IPL Fig. 1; 125, IPL Fig. 2)	304 CRES	Passivate (F-17.09) all over and chromium plate 0.0005-0.001 inch thick on OD only.
Collar (140, 145, IPL Fig. 1; 140, 145, IPL Fig. 2)	304 CRES	Passivate (F-17.09) all over and cadmium plate and apply one coat of BMS 10-11, Type 1 primer (F-16.01) on OD only.
Mounting arm (160, IPL Fig. 1; 220, IPL Fig. 2)	Al alloy	Chromic acid anodize (F-17.02) and apply one coat of BMS 10-11, Type 1 primer except omit primer (F-20.02) on 0.1915-0.1935 in diameter hole.
Bolt (185, IPL Fig. 1)	4340 Steel, 180-200 KS1	Cadmium plate (F-15.02)
Bolt (185A, IPL Fig. 1; 155 IPL Fig. 2)	15-5PH CRES 180-200 ksi	Cadmium plate (F-15.02)
Nut (190, IPL Fig. 1; 160, IPL Fig. 2)	4340 Steel, 125-145 KS1	Cadmium plate (F-15.06)
Trunnion (195, IPL Fig. 1; 165, IPL Fig. 2)	Al alloy	Chromic acid anodize (F-17.02)

Refinish Details
 Figure 601 (Sheet 1)

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REPAIR 4-1

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IPL FIG. & ITEM	MATERIAL	FINISH
Channel (205, IPL Fig. 1; 175, IPL Fig. 2)	Al alloy	Chromic acid anodize and apply one coat of BMS 10-11, Type 1 primer (F-18.13) except omit primer on 0.166-0.171 inch diameter holes.
Housing (225, IPL Fig. 1, 195, IPL Fig. 2)	Al alloy	Anodize (F-17.05) and apply one coat of BMS 10-11, Type 1 primer (F-20.02) except omit primer from 0.190-0.194, 0.1915-0.1935, and 0.3760-0.3780 inch diameter holes.

Refinish Details
 Figure 601 (Sheet 2)

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REPAIR 4-1

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ASSEMBLY1. Assembly (IPL Fig. 1, Fig. 101 thru 103, Fig. 701)

- A. Install arm assemblies (20, 25) spacers (85), shims (90), and shafts (15) in housing assembly (210A). Provide 0.002–0.005 in. clearance by delaminating shims (90) as required. Install pins (10) and lockwire in place. Ensure that arm assemblies (20, 25) rotate freely.
- B. Install springs (5) between arm assemblies (20, 25) and housing assembly (210).

NOTE: If necessary to install wire bundle assembly (230A, 330, 340) or switches (165, 167, 170) on housing (210), see REPAIR 1–1.

- C. Install bolts (185), channels (205), springs (200), trunnions (195) and nuts (190) to housing assembly (210A). Adjust bolts (185) and nuts (190) to settings shown (Fig. 701) and lock position of nut (190) with pin (180).
- D. Adjust switches (165, 167, 170) as follows:

NOTE: On each actuator arm assembly (20, 25) there are two sets of switches. When there are two or more switches in a set, the switches in that set must be adjusted to actuate within 0.00–0.02 inch of each other. This measurement can be made along the top surface of the appropriate actuator arm assembly as shown in Fig. 701, Sheet 8. The two sets of switches, that are activated by the same actuator arm assembly, will actuate at different times. Only switches in the same set must actuate within 0.00–0.02 inch of each other.

- (1) Before measuring switch actuation, verify that the pad (70) for each switch in a set is flush against the machined surface of the actuator arm assembly (20, 25) as shown in Fig. 701, Sheet 8.

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ASSEMBLY

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- (2) Rotate carefully the actuator arm assemblies (20, 25) to actuate the switches (165, 167, 170) being adjusted and note which switch in the set actuates first.

NOTE: To determine which switch in the set actuates first, it is best measured with two ohmmeters or other visual/audible continuity measuring devices.

- (3) Measure and record the actuation point of each switch to determine if they are within 0.00–0.02 inch requirement.
- (4) If switch adjustment is required, turn the screws (60A) on top of the actuator arm assembly. Turning the screw causes a slight bend in the pad (70), which adjusts an individual switch's actuation point. Turn the screw that corresponds to the switch that actuated last so that the switch actuates within 0.00–0.02 inch of the switch that activated first.

E. Test per TESTING/TROUBLE SHOOTING.

2. Assembly (IPL Fig. 2, Fig. 101 thru 103, Fig. 701)

- A. Install arm assemblies (20, 25), spacers (85), shims (90), and shafts (15) in housing assembly (180). Provide 0.002–0.005 inch clearance by delaminating shims (90) as required. Install pins (10) and lockwire in place. Ensure that arm assemblies (20, 25) rotate freely.

- B. Install shafts (15) between arm assemblies (20, 25) and housing assembly (180).

NOTE: If necessary to install wire bundle assembly (200) or switches (230, 235, 235A, 265, 265A, 280, 280A) on housing assy (180), see REPAIR 1-1.

- C. Install bolts (155), channels (175), springs (170), trunnions (165) and nuts (160) to housing assembly (180). Adjust bolts (155) and nuts (160) to settings shown (Fig. 701) and lock position of nut (160) with pin (150).

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ASSEMBLY

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D. Adjust switches (230, 235, 235A, 265, 265A, 280, 280A) as follows:

NOTE: On each actuator arm assembly (20, 25) there are two sets of switches. When there are two or more switches in a set, the switches in that set must be adjusted to actuate within 0.00–0.02 inch of each other. This measurement can be made along the top surface of the appropriate actuator arm assembly as shown in Fig. 701, Sheet 8. The two sets of switches, that are activated by the same actuator arm assembly, will actuate at different times. Only switches in the same set must actuate within 0.00–0.02 inch of each other.

- (1) Before measuring switch actuation, verify that the pad (70) for each switch in a set is flush against the machined surface of the actuator arm assembly (20, 25) as shown in Fig. 701, Sheet 8.
- (2) Rotate carefully the actuator arm assembly (20, 25) to actuate the switches (230, 235, 235A, 265, 265A, 280, 280A) being adjusted and note which switch in the set actuates first.

NOTE: To determine which switch in the set actuates first, it is best measured with two ohmmeters or other visual/audible continuity measuring devices.

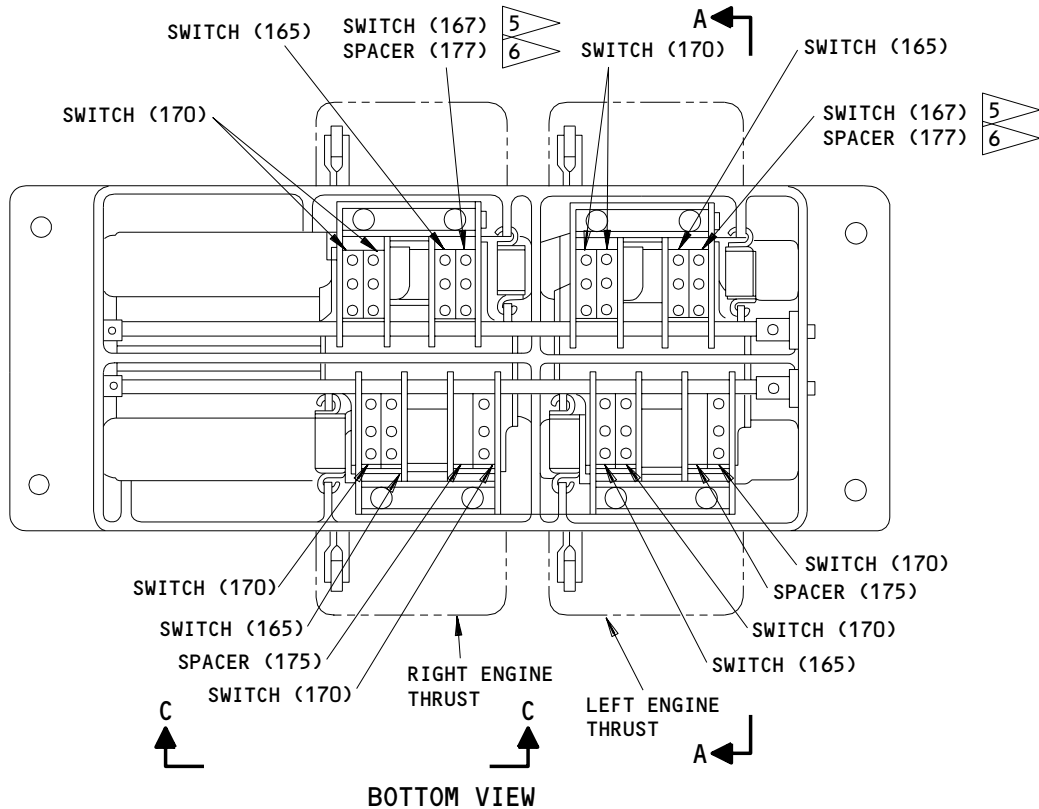
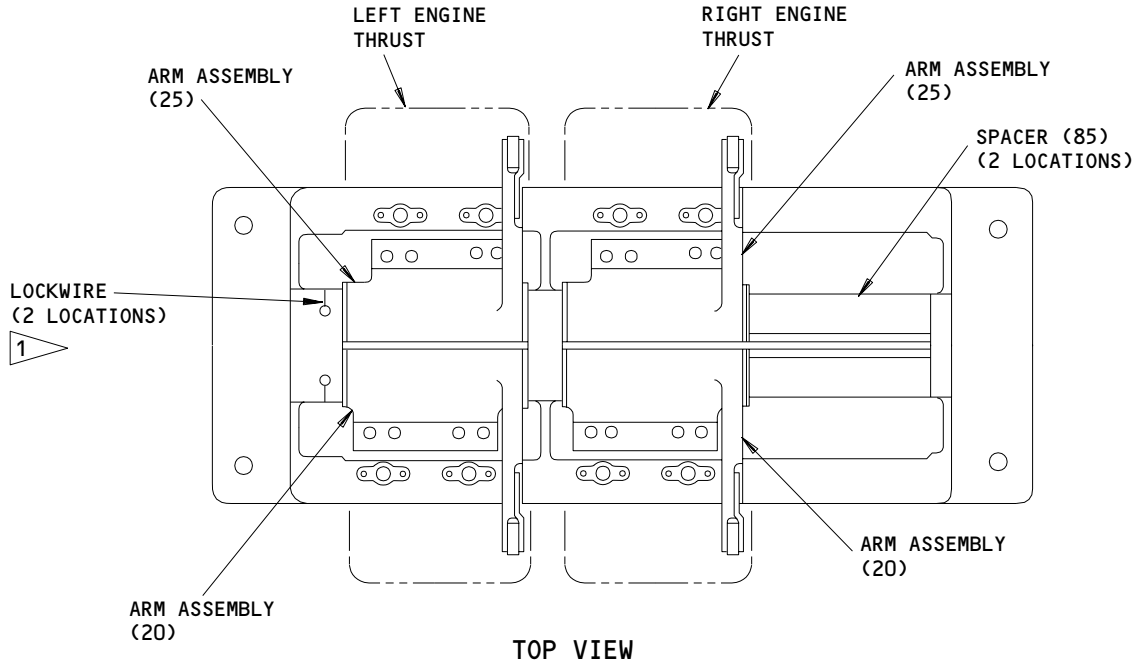
- (3) Measure and record the actuation point of each switch to determine if they are within 0.00–0.02 inch requirement.
- (4) If switch adjustment is required, turn the screws (60) on top of the actuator arm assembly. Turning the screw causes a slight bend in the pad (70), which adjusts an individual switch's actuation point. Turn the screw that corresponds to the switch that actuated last so that the switch actuates within 0.00–0.02 inch of switch that activated first.

E. Test per TESTING/TROUBLE SHOOTING.

3. Prepare and store component in accordance with standard industry practices.

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ASSEMBLY
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250T1017-7
 254N1185-3,-5,-7

ITEM NUMBERS REFER TO IPL FIG. 1

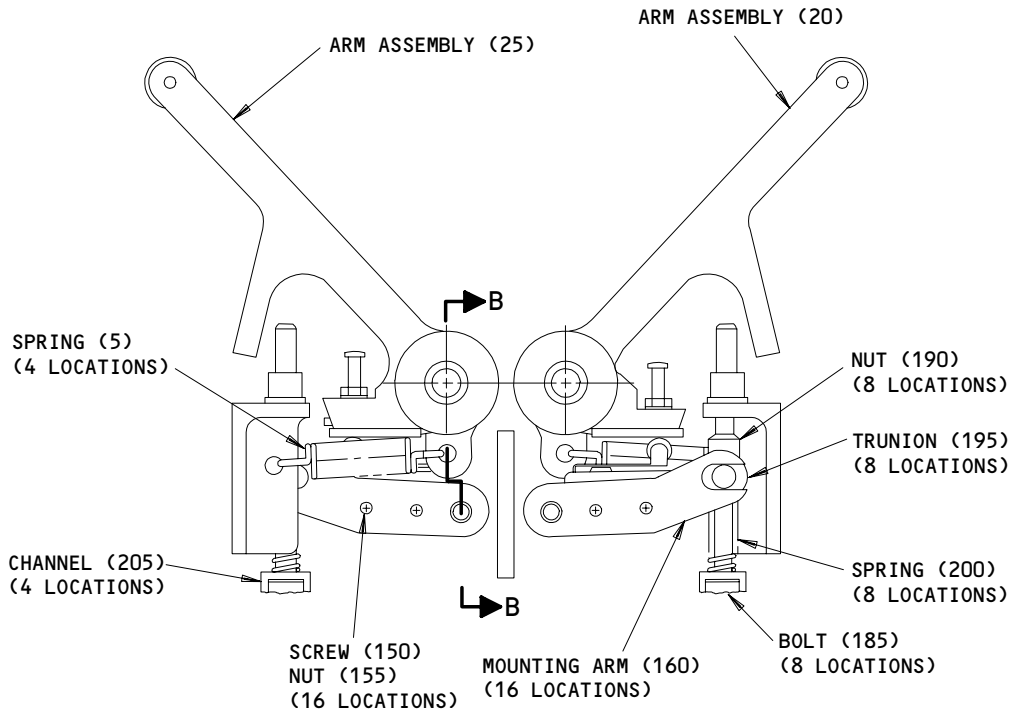
Microswitch Pack Assembly
 Figure 701 (Sheet 1)

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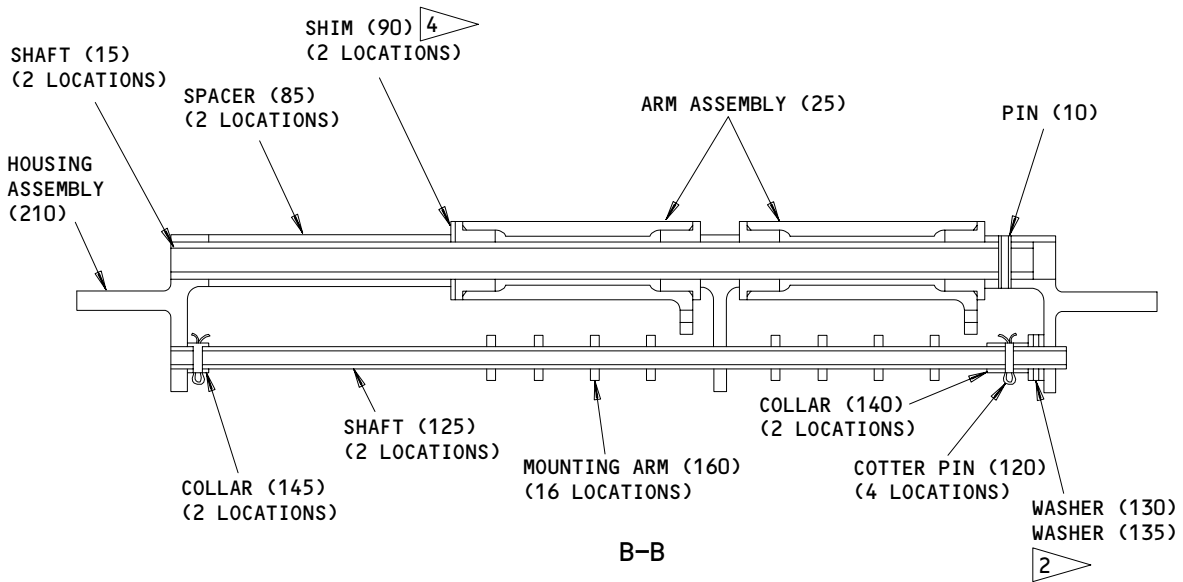
ASSEMBLY
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BOEING
 COMPONENT
 MAINTENANCE MANUAL



ROTATED 90° COUNTER CLOCKWISE
 A-A



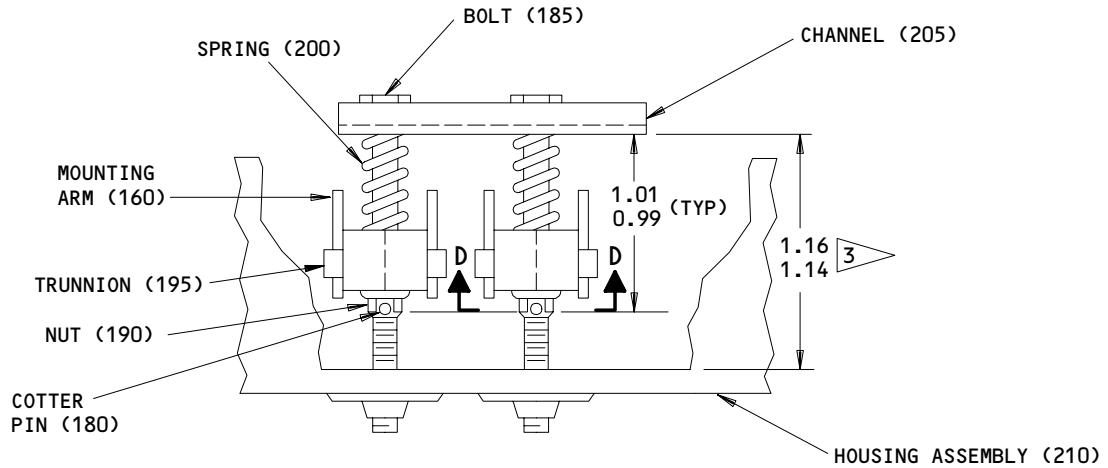
ITEM NUMBERS REFER TO IPL FIG. 1

250T1017-7
 254N1185-3,-5,-7
 Microswitch Pack Assembly
 Figure 701 (Sheet 2)

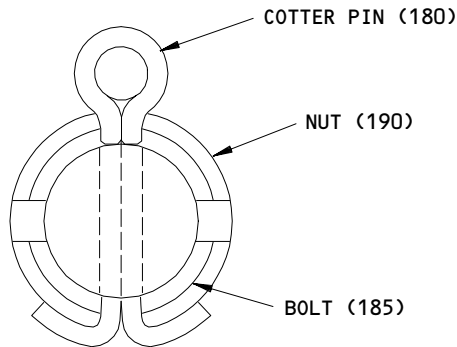
22-32-38

ASSEMBLY
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01.1



C-C



D-D

- 1 INSTALL LOCKWIRE AS SHOWN IN SOPM 20-50-02
- 2 INSTALL WASHERS (130,135) IN LOCATION SHOWN TO MAINTAIN 0.03 MAXIMUM END FLOAT
- 3 INITIAL SETTING
- 4 REMOVE LAMINATIONS FROM SHIM (90) AS REQUIRED TO PROVIDE 0.002-0.005 CLEARANCE
- 5 250T1017-7,254N1185-5
- 6 254N1185-3,-7

ALL DIMENSIONS ARE IN INCHES
 ITEM NUMBERS REFER TO IPL FIG. 1

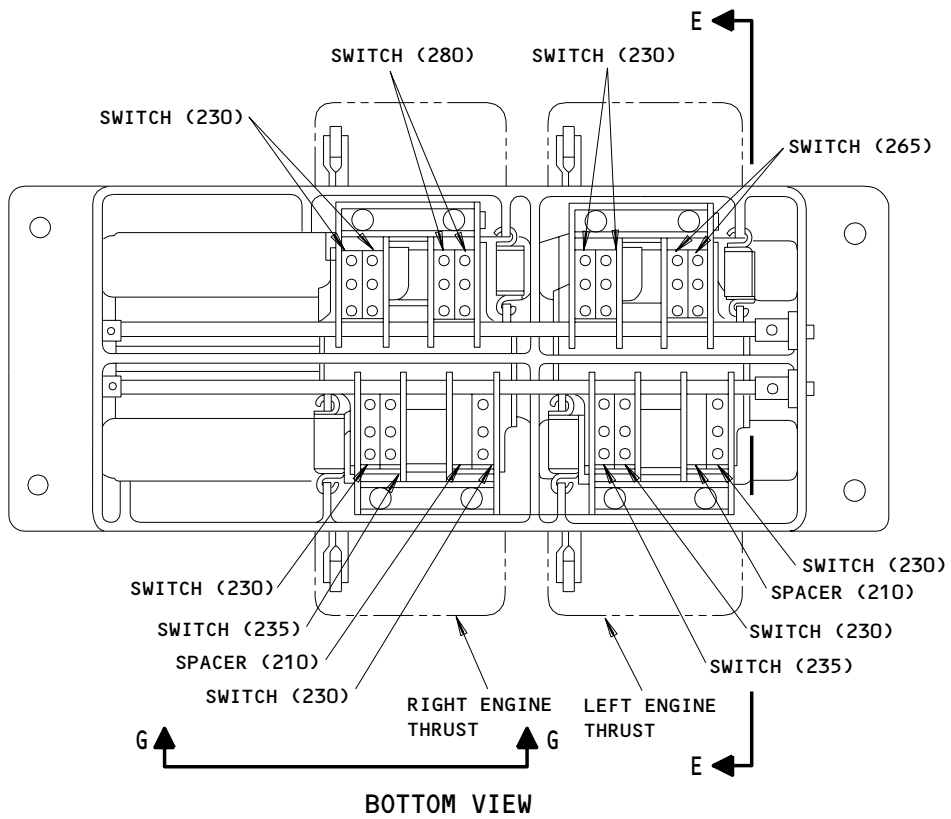
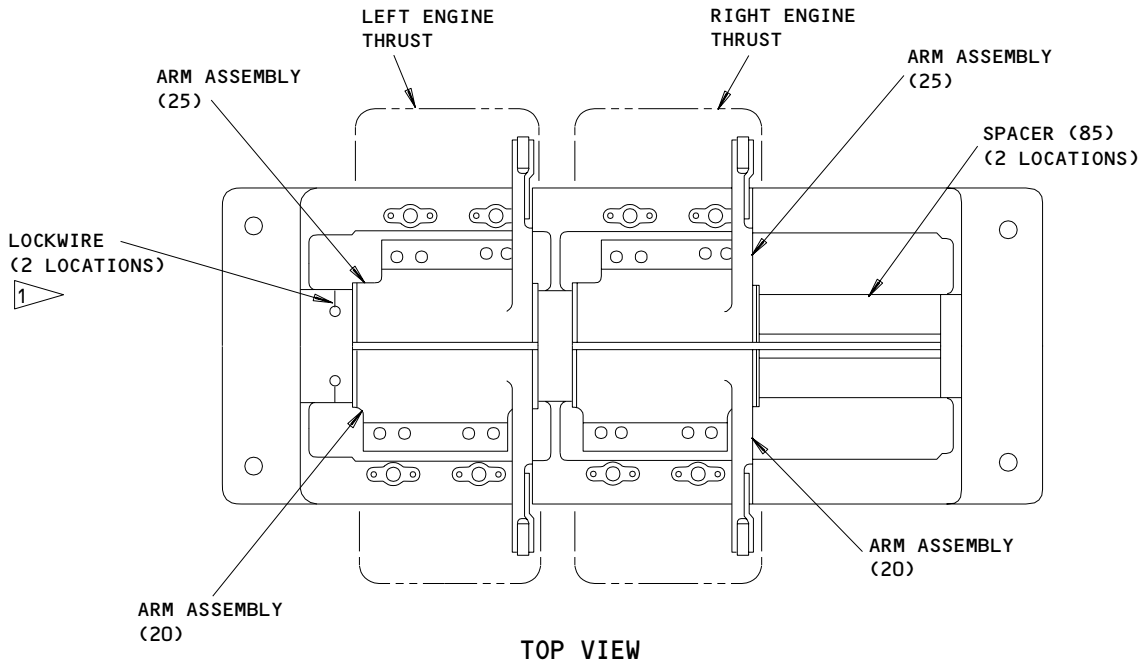
250T1017-7
 254N1185-3,-5,-7
Microswitch Pack Assembly
 Figure 701 (Sheet 3)

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01.1

BOEING COMPONENT MAINTENANCE MANUAL



ITEM NUMBERS REFER TO IPL FIG. 2

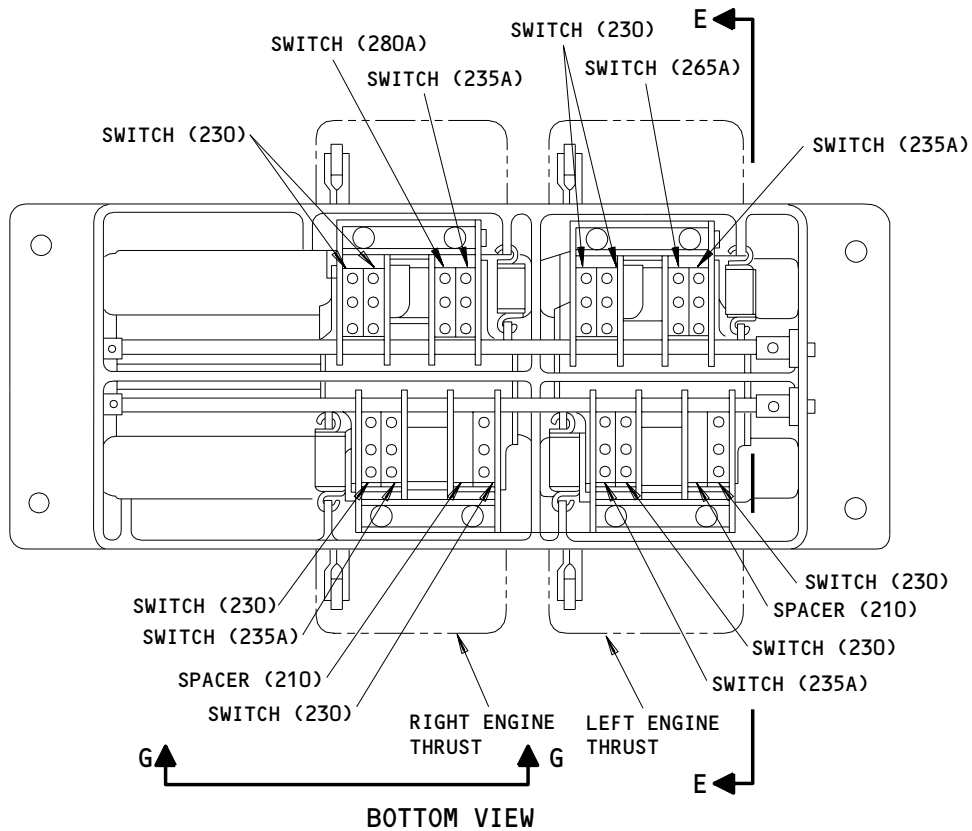
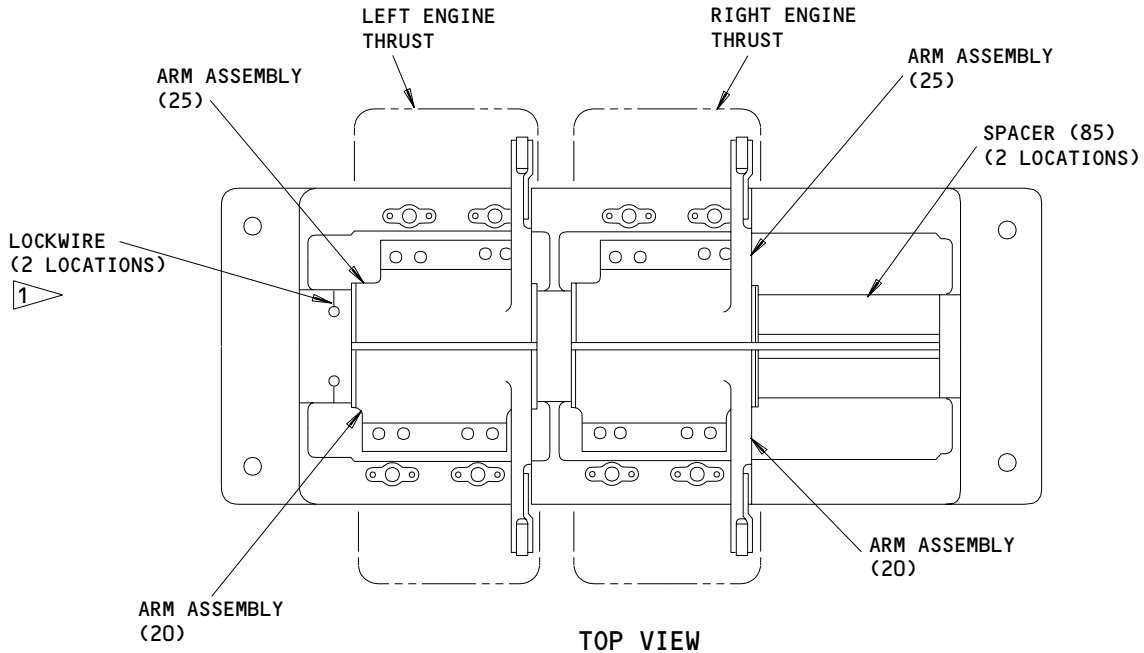
254N1185-9,-19

Microswitch Pack Assembly
Figure 701 (Sheet 4)

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ASSEMBLY
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01.1



ITEM NUMBERS REFER TO IPL FIG. 2

254N1185-14

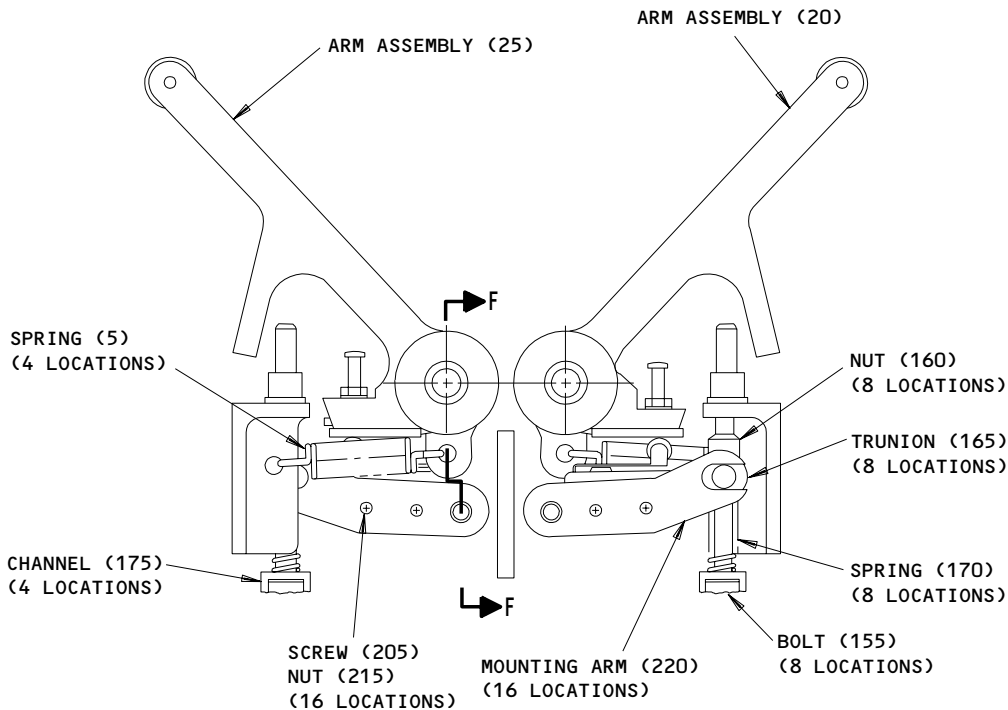
**Microswitch Pack Assembly
 Figure 701 (Sheet 5)**

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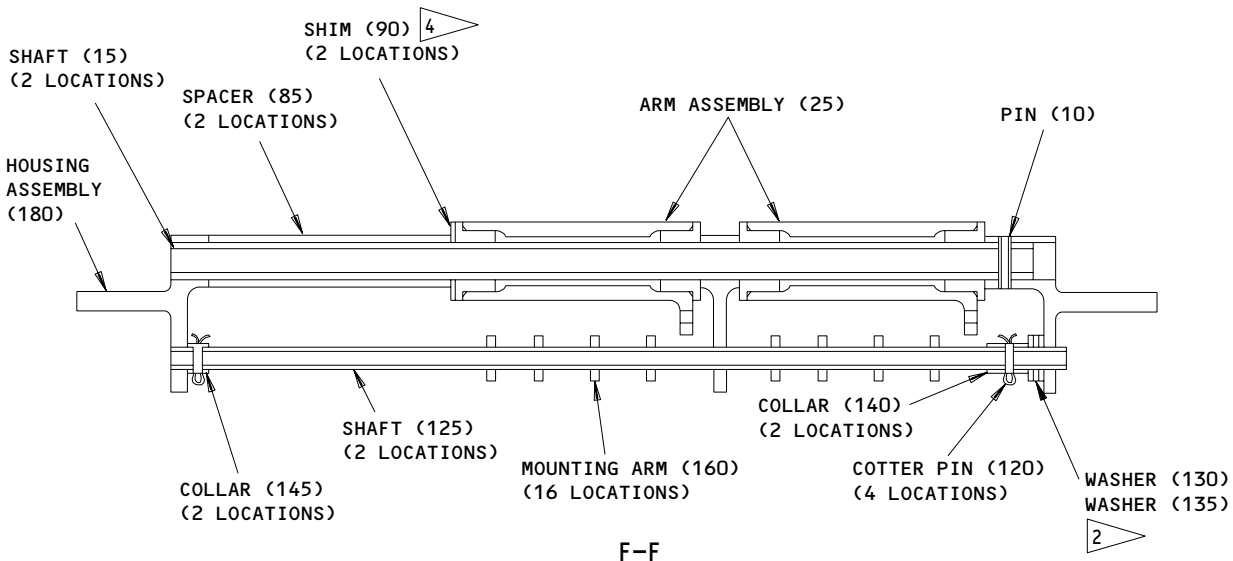
ASSEMBLY
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01.1

BOEING
 COMPONENT
 MAINTENANCE MANUAL



ROTATED 90° COUNTER CLOCKWISE
 E-E



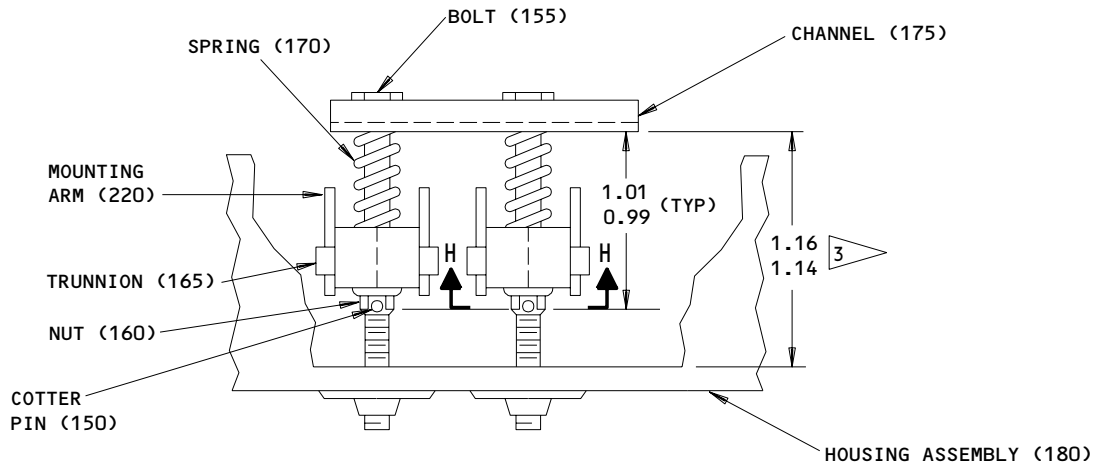
ITEM NUMBERS REFER TO IPL FIG. 2

254N1185-9,-14,-19

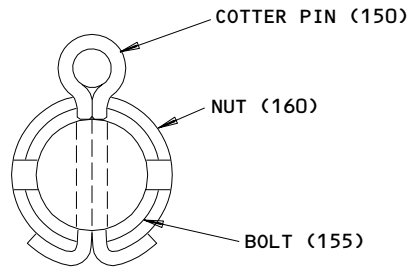
Microswitch Pack Assembly
 Figure 701 (Sheet 6)

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G-G



H-H

- 1 INSTALL LOCKWIRE PER 20-50-02
- 2 INSTALL WASHERS (130, 135) IN LOCATION SHOWN TO MAINTAIN 0.03 MAXIMUM END FLOAT
- 3 INITIAL SETTING
- 4 REMOVE LAMINATIONS FROM SHIM (90) AS REQUIRED TO PROVIDE 0.002 - 0.005 CLEARANCE

ALL DIMENSIONS ARE IN INCHES
 ITEM NUMBERS REFER TO IPL FIG. 2

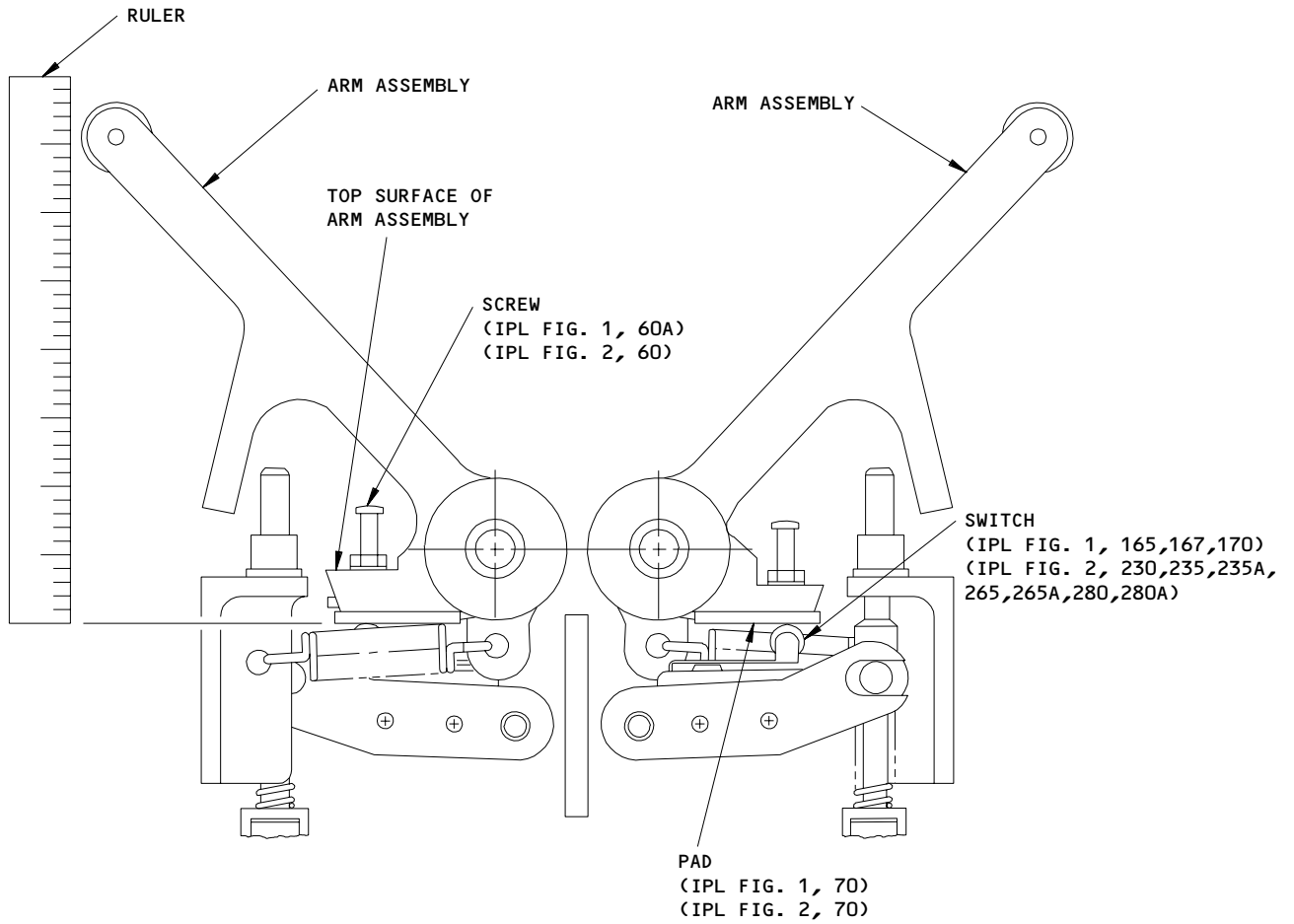
254N1185-9,-14,-19

Microswitch Pack Assembly
 Figure 701 (Sheet 7)

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ASSEMBLY
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01.1



SWITCH ADJUSTMENT

250T1017-7
254N1185-3,-5,-7,-9,-14,-19
Microswitch Pack Assembly
Figure 701 (Sheet 8)

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ASSEMBLY
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C38149



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.

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ILLUSTRATED PARTS LIST
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VENDORS

02660 AMPHENOL CORP INDUSTRIAL TECHNOLOGY DIV
358 HALL AVENUE PO BOX 384
WALLINGFORD, CONNECTICUT 06492

03680 STANDARD PRESSED STEEL AIRCRAFT PROD SEE V56878

06710 LAMSON AND SESSIONS CO THE VALLEY-TODECO
12975 BRADLEY AVENUE
SYLMAR, CALIFORNIA 91342-3830

06725 AIR INDUSTRIES CORPORATION
12570 KNOTT STREET
GARDEN GROVE, CALIFORNIA 92641-3932

06950 SCREWCORP VSI AEROSPACE PRODUCTS DIV FAIRCHILD IND DIV
13001 EAST TEMPLE AVENUE PO BOX 730
CITY OF INDUSTRY, CALIFORNIA 91746-1417

08524 DEUTSCH FASTENER CORP SEE CODE V97928

09455 BFM TRANSPORT DYNAMICS CORP
3131 WEST SEGERSTROM AVENUE PO BOX 1953
SANTA ANA, CALIFORNIA 92702-1953

11815 CHERRY AEROSPACE FASTENERS DIV OF TEXTRON
1224 EAST WARNER AVENUE PO BOX 2157
SANTA ANA, CALIFORNIA 92707-0157

13556 LABINAL COMPONENTS AND SYS CINCH MILITARY AEROSPACE DIV
8821 SCIENCE CENTER DRIVE
MINNEAPOLIS, MINNESOTA 55428-3619

15653 MICRODOT INC AEROSPACE FASTENING SYS KAYNAR MFG DIV
800 SOUTH STATE COLLEGE BLVD PO BOX 3001
FULLERTON, CALIFORNIA 92634-3001

16115 PECO MANUFACTURING CO INC
4707 SOUTHEAST 17TH STREET
PORTLAND, OREGON 97282-0189

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VENDORS

17943 FEDERAL MANUFACTURING CORPORATION
9825 DESOTO AVENUE
CHATSWORTH, CALIFORNIA 91311

27624 PB FASTENERS DIV OF BRILES PAUL R
1700 WEST 132ND STREET
GARDENA, CALIFORNIA 90249

49367 PYLE-NATIONAL CO DIV OF BRAND-REX CO
1334 NORTH KOSTNER AVENUE
CHICAGO, ILLINOIS 60651-1605

50294 NEW HAMPSHIRE BALL BEARINGS INC
9730 INDEPENDENCE AVENUE PO BOX 2515
CHATSWORTH, CALIFORNIA 91311-4323

52828 REPUBLIC FASTENER MFG CORP
1300 RANCHO CONEJO BLVD
NEWBURY PARK, CALIFORNIA 91320-1405

71087 BOOTS ACFT NUT DIV TOWNSEND CO SEE TEXTRON INC CHERRY
FASTENER TOWNSEND DIV V11815

72962 ELASTIC STOP NUT A DIV OF HARTFORD INDUSTRIES INC
2330 VAUXHALL ROAD
UNION, NEW JERSEY 07083-5038

73197 HI-SHEAR TECHNOLOGY CORP
2600 SKYPARK DRIVE
TORRANCE, CALIFORNIA 90509

75345 KIRKHILL RUBBER CO
300 EAST CYPRESS STREET
BREA, CALIFORNIA 92621-4007

80539 SPS TECHNOLOGIES INC AEROSPACE PRODUCTS DIV
2701 SOUTH HARBOR BOULEVARD PO BOX 1259
SANTA ANA, CALIFORNIA 92702-1259

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VENDORS

81872 OLYMPIC PLASTICS CO SUB OF INTERCONTENTAL DIAMOND CORP
5800 WEST JEFFERSON BOULEVARD
LOS ANGELES, CALIFORNIA 90016-3109

83086 NEW HAMPSHIRE BALL BEARINGS, INCORPORATED
ROUTE 202
PETERBOROUGH, NEW HAMPSHIRE 03458

84914 LOS ANGELES STD RUBBER CO SEE KIRKHILL RUBBER CO V75345

91929 HONEYWELL INC MICRO SWITCH DIV
11 WEST SPRING STREET
FREEPORT, ILLINOIS 61032

92215 VOI-SHAN DIV OF VSI CORP SUB OF FAIRCHILD INDUSTRIAL INC
8463 HIGUERA STREET
CULVER CITY, CALIFORNIA 90230

95272 SARGENT IND INC STILLMAN SEAL DIV
6020 AVENDIDA ENCINAS PO BOX 2000
CARLSBAD, CALIFORNIA 92008-4407

97928 DEUTSCH FASTENER CORP
3969 PARAMONT BOULEVARD
LAKEWOOD, CALIFORNIA 90712-4193

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REFERENCE DESIGNATOR INDEX (SEE SCHEMATIC DIAGRAM)		
REFERENCE DESIGNATOR	PART NUMBER	FIG-ITEM
P1	BACC45FT16C24P7	1-235A
P1	BACC45FT16C24P7	2-286H
P1	C48-16R16-24P	1-235
P1	C48-16R16-24P	2-240
P2	BACC45FT16C24P8	1-240A
P2	BACC45FT16C24P8	2-286L
P2	C48-16R16-24P6	1-240
P2	C48-16R16-24P6	2-245
P3	BACC45FT12C12P	270
P3	BACC45FT12C12P	286Q
P4	BACC45FT12C12P6	285
P4	BACC45FT12C12P6	286U

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PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
AJF06PH1C4H		1	50	2
		2	50	2
AN960JD10L		1	100A	2
		2	100	2
AN960KD10		1	135	AR
		2	135	AR
AN960KD10L		1	100	2
		1	130	AR
		2	130	AR
BACC10DK6		1	115	
		1	117	1
		2	117	
		2	115A	
		2	117A	1
BACC10DK7		1	115A	1
		2	116	2
BACC10DK9		2	115	
		2	115B	1
BACC45FT12B12P		2	270A	1
BACC45FT12C12P		1	335	1
		2	270	1
		2	286Q	
BACC45FT12C12P6		1	345	1
		2	285	1
		2	286U	
BACC45FT16B24P		2	240B	1
BACC45FT16C24P		1	235	1
		2	240	1
BACC45FT16C24P6		1	240	1
		2	245	1
BACC45FT16C24P7		1	235A	1
		2	240A	1
		2	286H	
BACC45FT16C24P8		1	240A	1
		2	245A	1
		2	286L	
BACN10DN26		1	155	16
		2	198	
		2	215	16
BACN10GE02		1	65	4
		2	65	4
BACN10JC3		1	105	1
BACN10JP08A		1	220	8
		2	190	8
BACN10YR3CD		1	105A	1
		2	105A	1

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BOEING
 COMPONENT
 MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
BACP20BA1		1	110	A9
		1	111	A9
		2	110	A9
BACR15BA2B		1	40	2
		2	40	
BACR15BB2B		2	40A	2
BACR15BB3AD		1	215	16
BACS12BE02-7		2	185	16
		1	60	
		1	60C	4
BACS12BE027		2	60A	4
		1	60B	
BACS12BG02-3		1	55A	4
BACS12BG02P3		2	55A	4
		1	55	
BACS12CK3-12		2	55	
		1	97	1
BACS12CK3-9		2	95	1
		1	95	1
BACS30BV1		1	170	8
		2	230	8
BAC27NCT0294		1	247	1
		2	335	1
BAC27NCT0295		1	272	1
		2	355	1
BAC27NCT0296		2	330	1
BAC27NCT0297		2	350	1
BAC27NEL0268		1	325	1
		2	370	1
BAC27TCT0012		1	255	1
		2	300	1
BAC27TCT0013		1	260	1
		2	305	1
BAC27TCT0014		1	265	1
		2	290	1
BAC27TCT0015		1	250	1
		2	295	1
BAC27TCT0016		1	280	1
		2	325	1
BAC27TCT0017		1	285	1
		2	320	1
BAC27TCT0031		1	290	1
		2	310	1
BAC27TCT0032		1	320	1
		2	350A	1
BAC27TCT0034		1	300	1
		2	345	1

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 ILLUSTRATED PARTS LIST
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PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
BAC27TCT0163		1	305	1
		2	330A	1
BAC27TCT0164		1	245	1
BAC27TCT0166		1	315	1
		2	365	1
BAC27TCT0167		1	275	1
		2	315	1
BAC27TCT0168		1	270	1
BAC27TCT0292		1	295	1
		2	340	1
BAC27TCT0298		1	310	1
		2	360	1
BRH10A3		1	105	1
BRM200A08		1	220	8
		2	190	8
C48-16R16-24P		1	235	1
		2	240	1
C48-16R16-24P6		1	240	1
		2	245	1
HJF049		1	50	2
		2	50	2
HW14-02		1	65	4
		2	65	4
H10-3BAC		1	105	1
H52732-3		2	105	
H52732-3CD		2	105A	1
MK1000-08BAC		1	220	8
		2	190	8
MS16562-33		1	10	2
		2	10	2
MS24585C95		1	200	8
		2	170	8
MS24586C59		1	5	4
		2	5	4
MS24665-132		1	120	4
		2	120	4
MS24665-5		1	180	8
		2	150	8
MS35214-9		1	150	16
		2	196	
		2	205	16
MS35649-222		1	65A	4
		2	65A	4
NAS1352-02-8P		1	60A	4
		2	60	4
NAS43DD6-153		1	85	2
		2	85	2

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 ILLUSTRATED PARTS LIST
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BOEING
 COMPONENT
 MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
NS103197-82		1	220	8
		2	190	8
NS202101-02 N2088		1	105	1
		1	110	AR
		1	111	AR
		2	110	AR
PLH53CD RMA9201M82		2	105A	1
		1	220	8
RMLH9075-3W SR2-6EE		2	190	8
		1	105	1
SSR1-618EE		1	35	
		1	35B	1
		2	35A	1
SZ7105		1	110	A9
		2	110	A9
S27105 S618CE		1	111A	1
		1	35A	1
S618CE7P25L02		2	35	
		1	35C	1
T6S1032J T8076S832		2	35B	1
		1	105	1
VN202A1-82		1	220	8
		2	190	8
VN303A02 ZZWA1016-24P		1	220	8
		2	190	8
ZZWA1016-24P6		1	105	1
		2	235	1
10-60516-334		1	240	1
		2	240	1
10-60516-334A		1	240	1
		2	245	1
122SM44T2		1	50A	2
		2	50A	2
141SM2T2		1	50	2
		2	50	2
		1	170	8
		2	230	8
		2	286	
		1	165	4
		1	167	2
		2	235	2
		2	265	2
		2	280	2
		2	235A	4
		2	265A	1
		2	280A	1
		2	286D	
250T1017-2		1	330	1

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PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
250T1017-3		1	340	1
250T1017-7		1	1F	RF
253T7312-1		1	125	2
		2	125	2
253T7312-2		1	140	2
		2	140	2
253T7312-3		1	145	2
		2	145	2
253T7314-1		1	205	4
		2	175	4
254N1168-1		1	210	
		1	210A	1
254N1168-2		1	225	1
254N1168-3		1	210B	1
		2	180	1
254N1168-4		1	225A	1
		2	195	1
254N1185-1		1	1	
254N1185-10		2	200	1
254N1185-11		2	225	1
254N1185-12		2	260	1
254N1185-13		2	275	1
254N1185-14		1	1E	RF
		2	1A	RF
254N1185-15		2	287	
		2	260A	1
254N1185-16		2	288	
		2	275A	1
254N1185-17		2	289	
		2	200A	
		2	225A	1
254N1185-18		2	200B	1
254N1185-19		1	1G	RF
		2	1B	RF
254N1185-2		1	230	
254N1185-21		2	225B	1
254N1185-22		2	260B	1
254N1185-3		1	1A	RF
254N1185-4		1	230A	1
254N1185-5		1	1B	RF
254N1185-6		1	230B	1
		1	230D	1
254N1185-7		1	1C	RF
254N1185-8		1	230C	1
254N1185-9		1	1D	RF
		2	1	RF
254N1185208		2	200C	1

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BOEING
 COMPONENT
 MAINTENANCE MANUAL

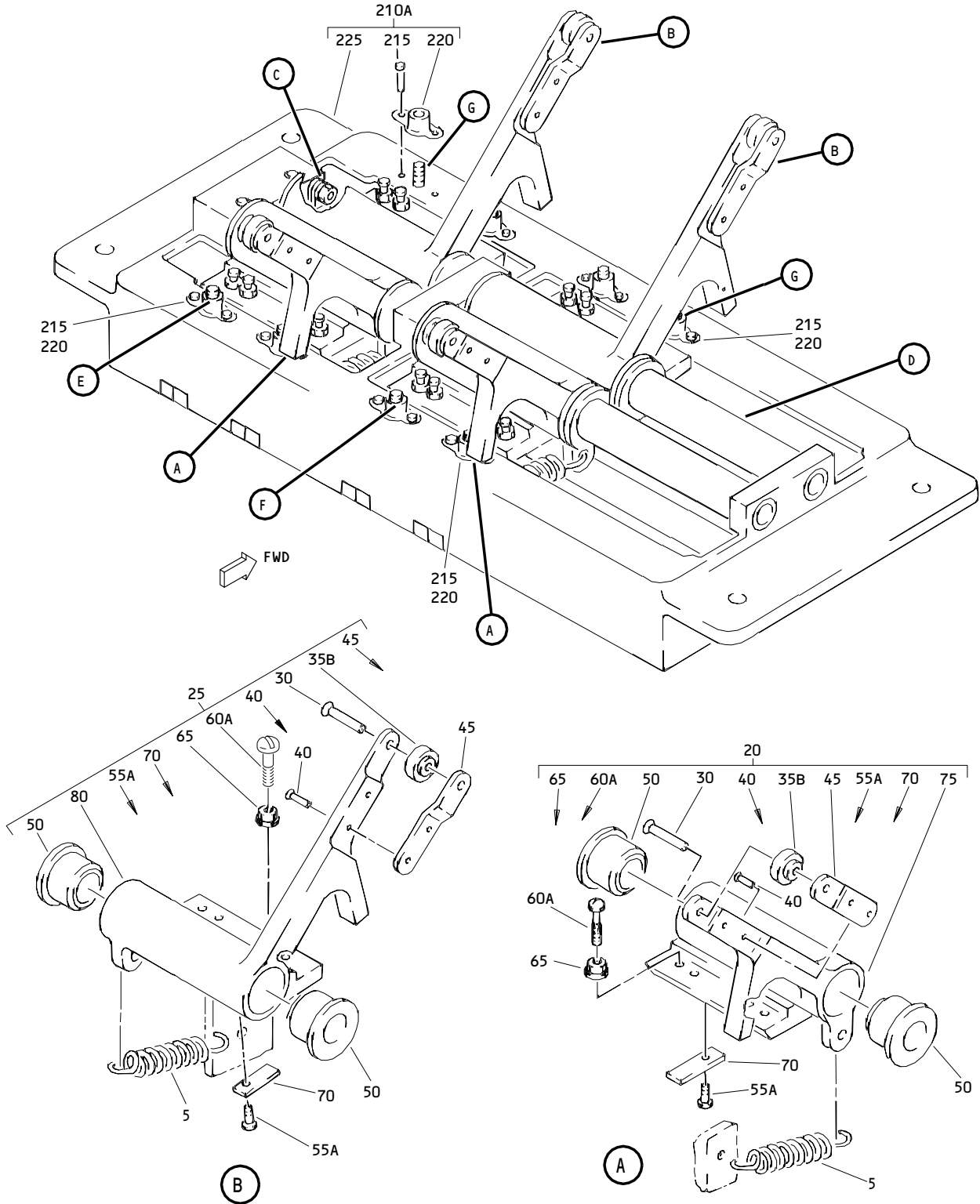
PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
254N1192-1		1	20	2
		2	20	2
254N1192-2		1	25	2
		2	25	2
254N1192-3		1	75	1
		2	75	1
254N1192-4		1	80	1
		2	80	1
254N1208-1		1	75A	1
		2	75A	1
254N1209-1		1	80A	1
		2	80A	1
287T0011-2		2	116A	2
		2	117B	1
287T0011-3		2	115C	1
324485		1	232	7
48-16R16-24P		1	235	1
		2	240	1
48-16R16-24P6		1	240	1
		2	245	1
4841		1	110	A9
		2	110	A9
65B84585-15		1	30	1
		2	30	1
69B81750-2		1	45	1
		2	45	1
69B81752-2		1	160	16
		2	199	
		2	220	16
69B81753-5		1	195	8
		2	165	8
69B81754-2		1	185	8
69B81754-6		1	185A	8
		2	155	8
69B81758-1		1	15	2
		2	15	2
69B81938-1		1	190	8
		2	160	8
69B81961-1		1	90	2
		2	90	2
69B82746-4		1	70	4
		2	70	4

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PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
69B82747-1		1	175	2
		1	177	2
		2	197	
		2	210	2
		1	105	1
96-02				

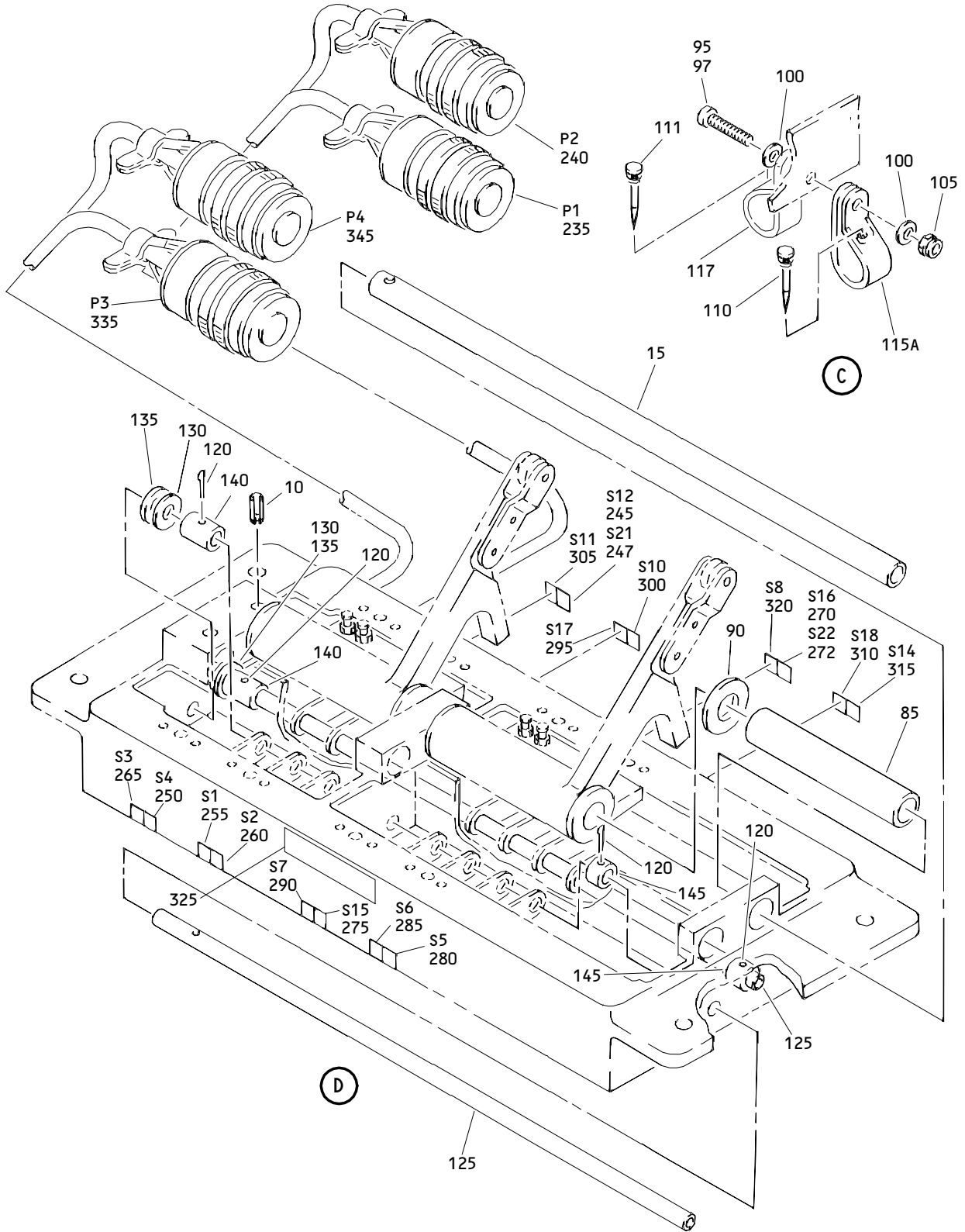
22-32-38



**Autothrottle Microswitch Pack Assembly
 Figure 1 (Sheet 1)**

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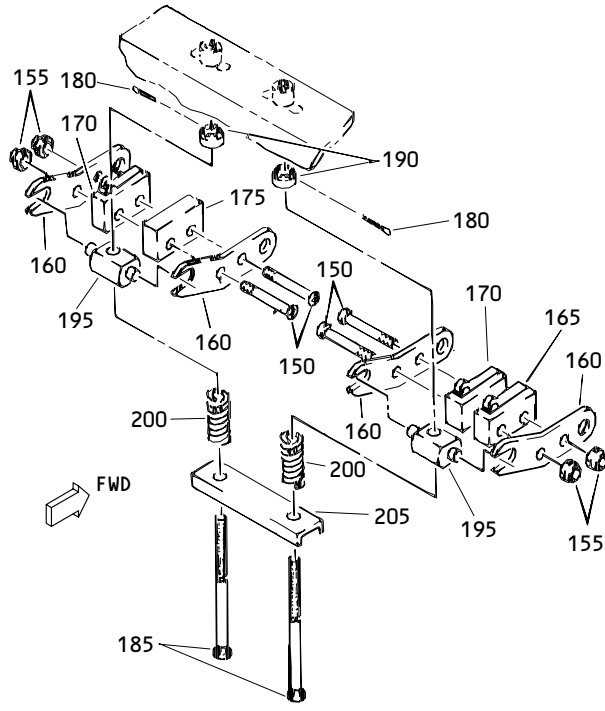
ILLUSTRATED PARTS LIST
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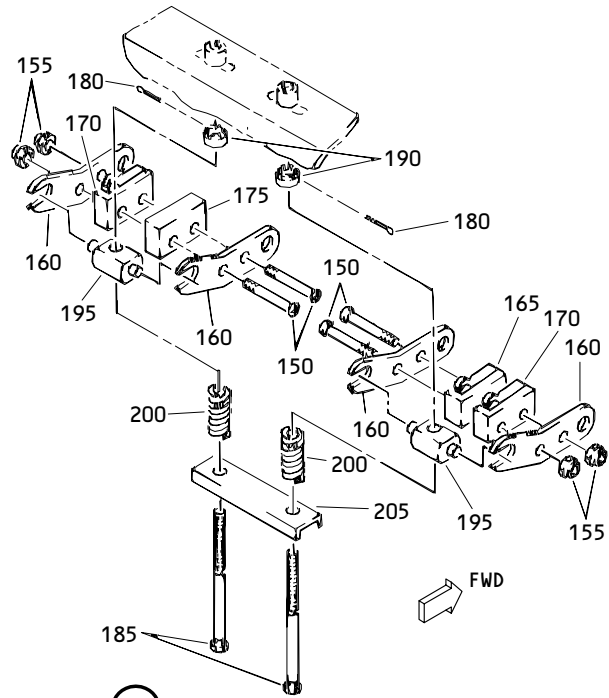
Autothrottle Microswitch Pack Assembly
Figure 1 (Sheet 2)

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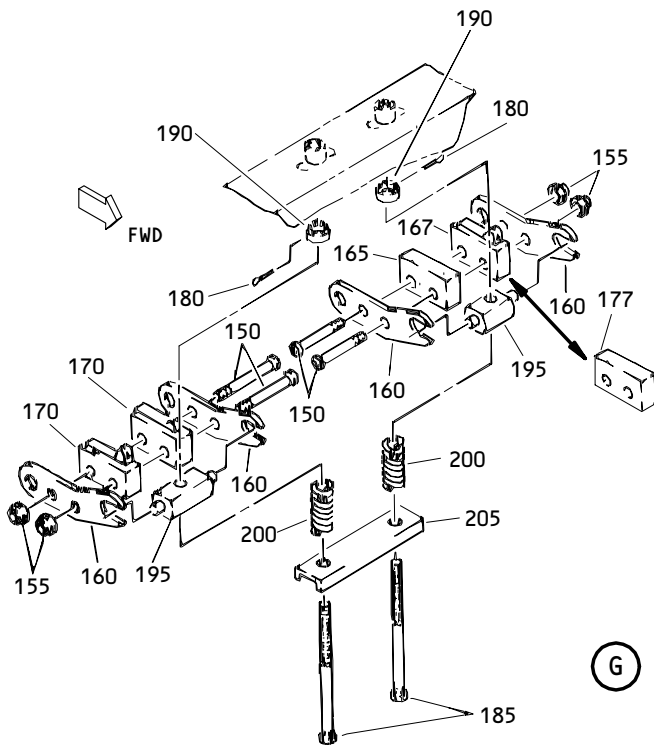
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(E)



(F)



(G)

Autothrottle Microswitch Pack Assembly
 Figure 1 (Sheet 3)

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-			DELETED		
-1	254N1185-1		PACK ASSY-AUTOTHROTTLE	A	RF
-1A	254N1185-3		MICROSWITCH (PRE SB 757-78-0028)		
-1B	254N1185-5		PACK ASSY-AUTOTHROTTLE	B	RF
			MICROSWITCH (PRE SB 767-78-59, 767-78-62, 767-78-63)		
-1C	254N1185-7		PACK ASSY-AUTOTHROTTLE	C	RF
			MICROSWITCH (PRE SB 757-78-0028)		
-1D	254N1185-9		PACK ASSY-AUTOTHROTTLE	D	RF
			MICROSWITCH (FOR DETAILS SEE FIG. 2) (POST SB 757-78-0028)		
R -1E	254N1185-14		PACK ASSY-AUTOTHROTTLE	E	RF
			MICROSWITCH (FOR DETAILS SEE FIG. 2)		
-1F	250T1017-7		PACK ASSY-AUTOTHROTTLE	F	RF
			MICROSWITCH (POST SB 767-78-59, 767-78-62, 767-78-63)		
-1G	254N1185-19		PACK ASSY-AUTOTHROTTLE	G	RF
			MICROSWITCH (FOR DETAILS SEE FIG. 2)		
5	MS24586C59		.SPRING	A-C,F	4
10	MS16562-33		.PIN-DOWEL	A-C,F	2
15	69B81758-1		.SHAFT	A-C,F	2
20	254N1192-1		.ARM ASSY	A-C,F	2
25	254N1192-2		.ARM ASSY	A-C,F	2
30	65B84585-15		..RIVET	A-C,F	1
35	SR2-6EE		DELETED		
35A	S618CE		..BEARING-	A-C,F	1
			(V83086) (OPT ITEM 35B)		
-35B	SSR1-618EE		..BEARING-	A-C,F	1
			(V83086) (OPT ITEM 35A)		
35C	S618CE7P25L02		..BEARING	A-C,F	1
			(V83086) (OPT ITEM 35B)		
40	BACR15BA2B		..RIVET-	A-C,F	2
			(SIZE DETERMINE ON INST)		

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-45	69B81750-2		..SUPPORT-ARM	A-C,F	1
50	HJF049		..BUSHING- (V09455) (SPEC 10-60516-334A) (OPT AJF06PH1C4H (V50294)) (OPT ITEM 50A)	A-C,F	2
-50A	10-60516-334		..BUSHING- (OPT ITEM 50)	A-C,F	2
55	BACS12BG02P3		DELETED		
R 55A	BACS12BG02-3		..SCREW	A-C,F	4
60	BACS12BE02-7		DELETED		
60A	NAS1352-02-8P		..SCREW- (OPT ITEM 60C)(PREF)	A-C,F	4
R -60B	BACS12BE027		DELETED		
-60C	BACS12BE02-7		..SCREW (OPT ITEM 60A)	A-C,F	4
65	HW14-02		..NUT- (V15653) (SPEC BACN10GE02) (OPT ITEM 65A)	A-C,F	4
-65A	MS35649-222		..NUT- (OPT ITEM 65)(PREF)	A-C,F	4
70	69B82746-4		..PAD	A-C,F	4
75	254N1192-3		..ARM- (OPT ITEM 75A) (USED ON ITEM 20)	A-C,F	1
-75A	254N1208-1		..ARM- (OPT ITEM 75) (USED ON ITEM 20)	A-C,F	1
80	254N1192-4		..ARM- (OPT ITEM 80A) (USED ON ITEM 25)	A-C,F	1
-80A	254N1209-1		..ARM- (OPT ITEM 80) (USED ON ITEM 25)	A-C,F	1
85	NAS43DD6-153		.SPACER	A-C,F	2
90	69B81961-1		.SHIM	A-C,F	2

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-95	BACS12CK3-9		.SCREW- (V06710) (SPEC BACS12CK3-9) (OPT BACS12CK3-9 (V06725)) (OPT BACS12CK3-9 (V06950)) (OPT BACS12CK3-9 (V17943)) (OPT BACS12CK3-9 (V27624)) (OPT BACS12CK3-9 (V80539)) (OPT BACS12CK3-9 (V92215)) (OPT BACS12CK3-9 (V97928))	A-C	1
97	BACS12CK3-12		.SCREW	F	1
100	AN960KD10L		.WASHER	A-C	2
-100A	AN960JD10L		.WASHER	F	2
105	H10-3BAC		.NUT- (V15653) (SPEC BACN10JC3) (OPT NS202101-02 (V80539)) (OPT RMLH9075-3W (V72962)) (OPT T6S1032J (V71087)) (OPT VN303A02 (V92215)) (OPT 96-02 (V80539)) (OPT BRH10A3 (V52828))	A-C	1

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
-105A	BACN10YR3CD		.NUT	F	1
110	N2088		.PLUG- (V75345) (SPEC BACP20BA1) (OPT SZ7105 (V95272)) (OPT 4841 (V84914))	A-C	AR
111	N2088		.PLUG (V75345) (SPEC BACP20BA1) (OPT ITEM 111A) (V95272))	F	AR
111A	S27105		.PLUG (V95272) (OPT ITEM 111)	F	AR
115	BACC10DK6		DELETED		
R 115A	BACC10DK7		.CLAMP- (V16115) (SPEC BACC10DK7) (OPT BACC10DK7 (V81872))	A-C	1
117	BACC10DK6		.CLAMP	F	1
120	MS24665-132		.PIN-COTTER	A-C,F	4
125	253T7312-1		.SHAFT	A-C,F	2
130	AN960KD10L		.WASHER	A-C,F	AR
135	AN960KD10		.WASHER	A-C,F	AR
140	253T7312-2		.COLLAR	A-C,F	2
145	253T7312-3		.COLLAR	A-C,F	2
150	MS35214-9		.SCREW	A-C,F	16
155	BACN10DN26		.NUT	A-C,F	16
160	69B81752-2		.ARM-MTG	A-C,F	16
165	141SM2T2		.SWITCH- (V91929)	A-C,F	4
167	141SM2T2		.SWITCH- (V91929)	B,F	2
170	122SM44T2		.SWITCH- (V91929) (SPEC BACS30BV1)	A-C,F	8
175	69B82747-1		.SPACER	A-C,F	2

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
177	69B82747-1		.SPACER	A,C	2
180	MS24665-5		.PIN-COTTER	A-C,F	8
185	69B81754-2		.BOLT-ADJUSTING (OPT ITEM 185A)	A-C,F	8
-185A	69B81754-6		.BOLT-ADJUSTING (OPT ITEM 185)	A-C,F	8
190	69B81938-1		.NUT	A-C,F	8
195	69B81753-5		.TRUNNION	A-C,F	8
200	MS24585C95		.SPRING	A-C,F	8
205	253T7314-1		.CHANNEL	A-C,F	4
210	254N1168-1		DELETED		
210A	254N1168-1		.HOUSING ASSY- (OPT ITEM 210B)	A-C,F	1
-210B	254N1168-3		.HOUSING ASSY- (OPT ITEM 210A)	A-C,F	1
215	BACR15BB3AD		..RIVET- (SIZE DETERMINE ON INST)	A-C,F	16
220	BRM200A08		..NUTPLATE- (V52828) (SPEC BACN10JP08A) (OPT MK1000-08BAC (V15653)) (OPT NS103197-82 (V80539)) (OPT RMA9201M82 (V72962)) (OPT T8076S832 (V11815)) (OPT VN202A1-82 (V92215))	A-C,F	8
225	254N1168-2		..HOUSING- (USED ON ITEM 210A)	A-C,F	1
-225A	254N1168-4		..HOUSING- (USED ON ITEM 210B)	A-C,F	1
230	254N1185-2		DELETED		
-230A	254N1185-4		.WIRE BUNDLE ASSY	A	1
-230B	254N1185-6		.WIRE BUNDLE ASSY (PRE SB 767-78-59, 767-78-62,767-78-63)	B	1
-230C	254N1185-8		.WIRE BUNDLE ASSY	C	1

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -230D	254N1185-6		.WIRE BUNDLE ASSY (POST SB 767-78-59, 767-78-62,767-78-63)	F	1
-232 235	324485 C48-16R16-24P		..END CAP ..CONNECTOR- (V13556) (SPEC BACC45FT16C24P) (OPT ZZWA1016-24P (V49367)) (OPT 48-16R16-24P (V02660)) (P1)	F A,C	7 1
-235A	BACC45FT16C24P7		..CONNECTOR- (P1)	B,F	1
240	C48-16R16-24P6		..CONNECTOR- (V13556) (SPEC BACC45FT16C24P6) (OPT ZZWA1016-24P6 (V49367)) (OPT 48-16R16-24P6 (V02660)) (P2)	A,C	1
-240A	BACC45FT16C24P8		..CONNECTOR- (P2)	B,F	1
245	BAC27TCT0164		.DECAL-S12	A-C	1
247	BAC27NCT0294		.DECAL-S21	F	1
250	BAC27TCT0015		.DECAL-S4	A-C,F	1
255	BAC27TCT0012		.DECAL-S1	A-C,F	1
260	BAC27TCT0013		.DECAL-S2	A-C,F	1
265	BAC27TCT0014		.DECAL-S3	A-C,F	1
270	BAC27TCT0168		.DECAL-S16	A-C	1
272	BAC27NCT0295		.DECAL-S22	F	1
275	BAC27TCT0167		.DECAL-S15	A-C,F	1
280	BAC27TCT0016		.DECAL-S5	A-C,F	1
285	BAC27TCT0017		.DECAL-S6	A-C,F	1
290	BAC27TCT0031		.DECAL-S7	A-C,F	1
295	BAC27TCT0292		.DECAL-S17	A-C,F	1
300	BAC27TCT0034		.DECAL-S10	A-C,F	1
305	BAC27TCT0163		.DECAL-S11	A-C,F	1
310	BAC27TCT0298		.DECAL-S18	A-C,F	1
315	BAC27TCT0166		.DECAL-S14	A-C,F	1

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
320	BAC27TCT0032		.DECAL-S8	A-C,F	1
325	BAC27NEL0268		.DECAL-M00966	A-C,F	1
-330	250T1017-2		.WIRE BUNDLE ASSY	F	1
335	BACC45FT12C12P		..CONNECTOR (P3)	F	1
-340	250T1017-3		.WIRE BUNDLE ASSY	F	1
345	BACC45FT12C12P6		..CONNECTOR (P4)	F	1

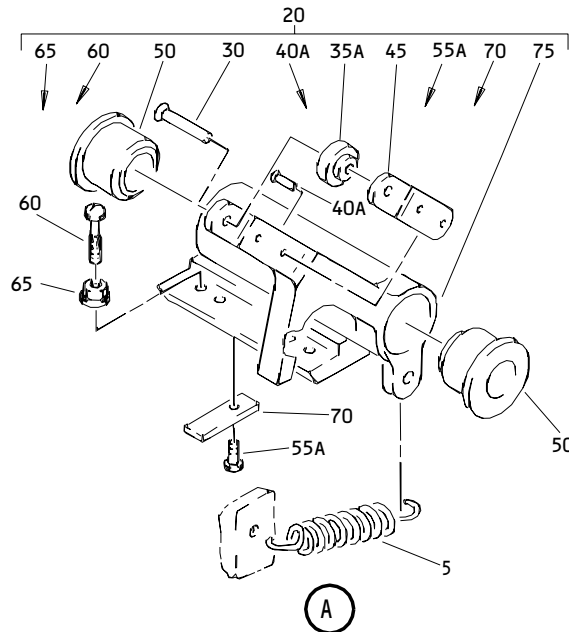
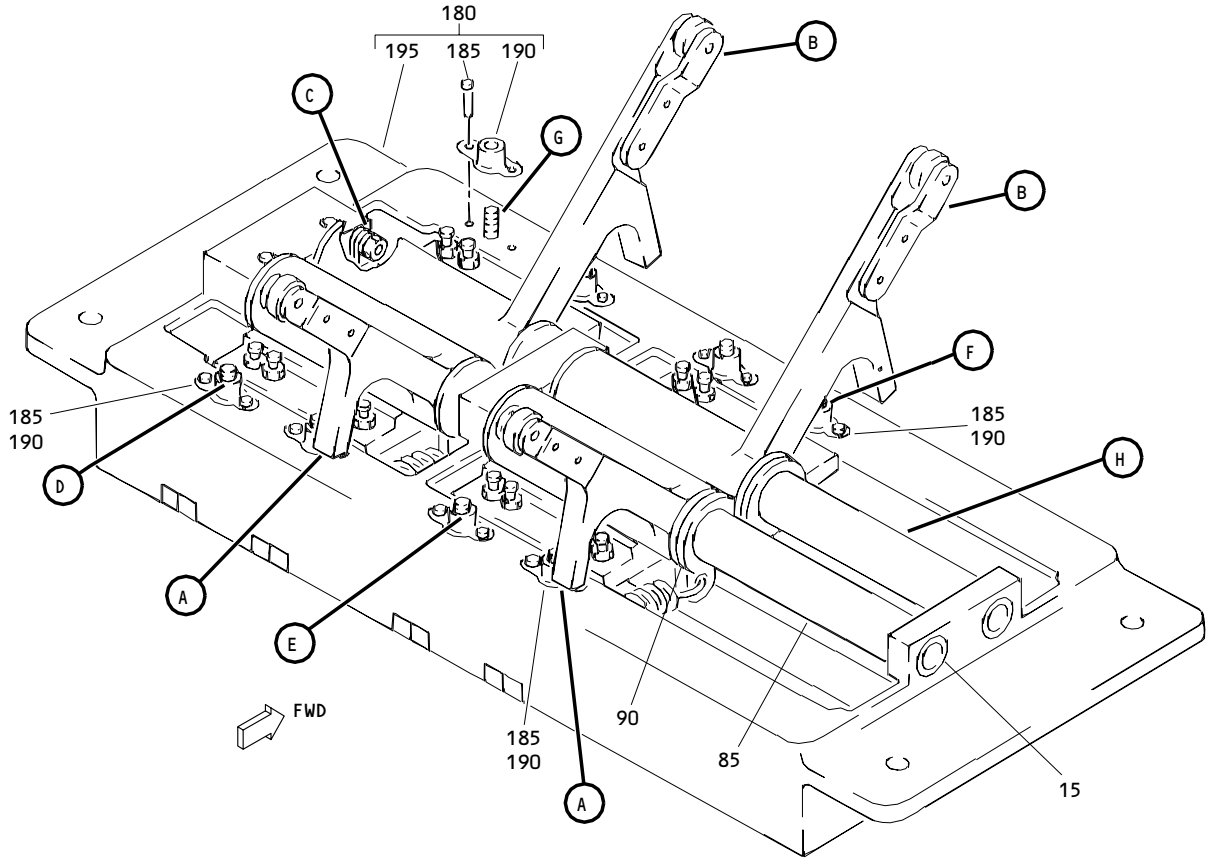
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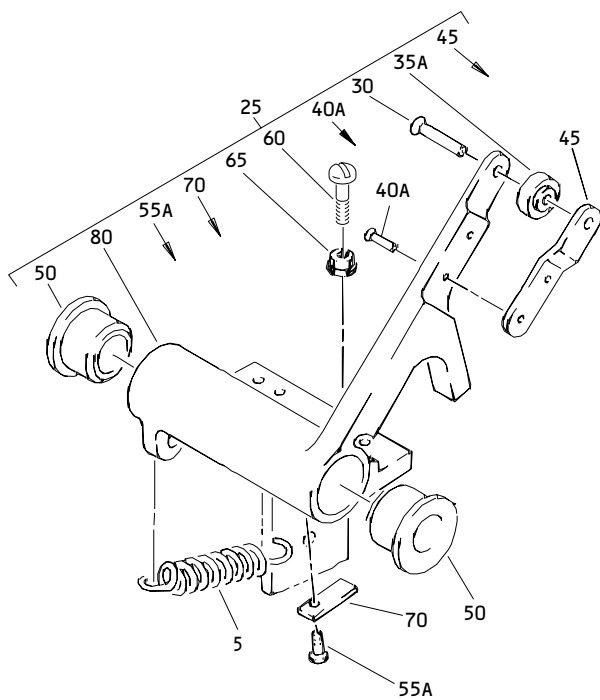
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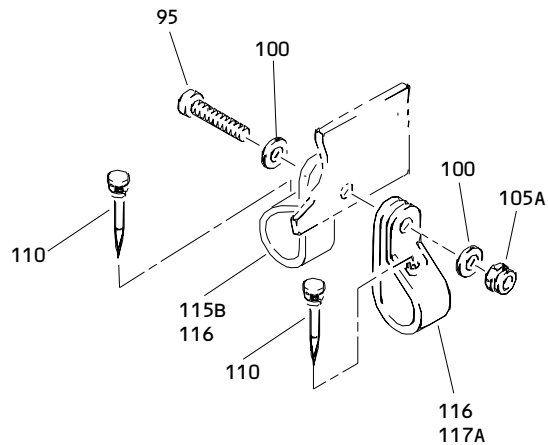
Autothrottle Microswitch Pack Assembly
 Figure 2 (Sheet 1)

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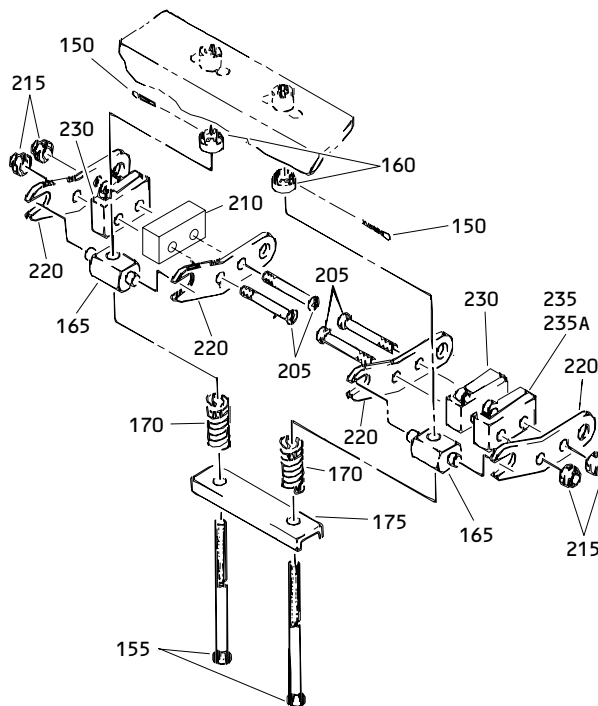
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(B)



(C)

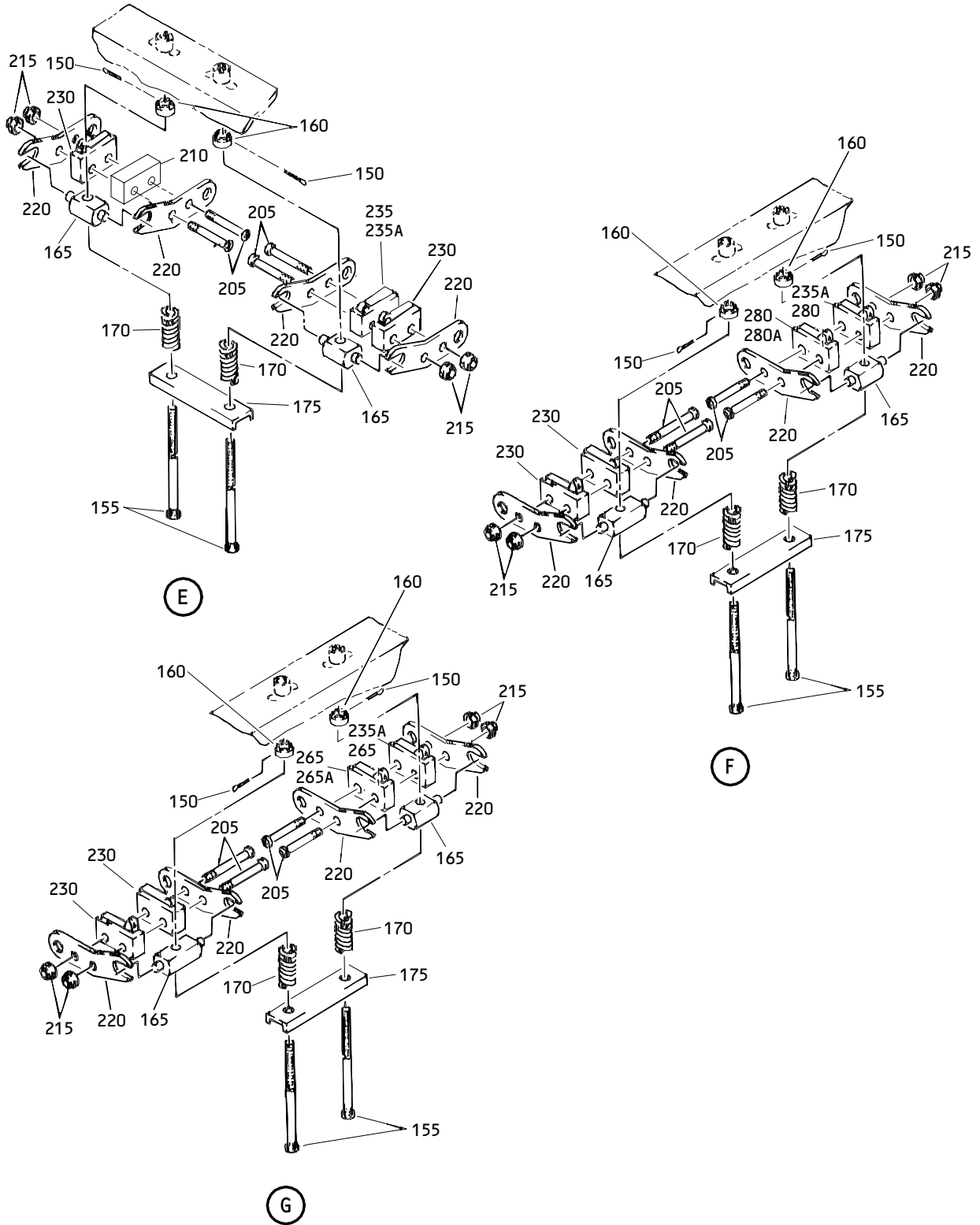


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Autothrottle Microswitch Pack Assembly
 Figure 2 (Sheet 2)

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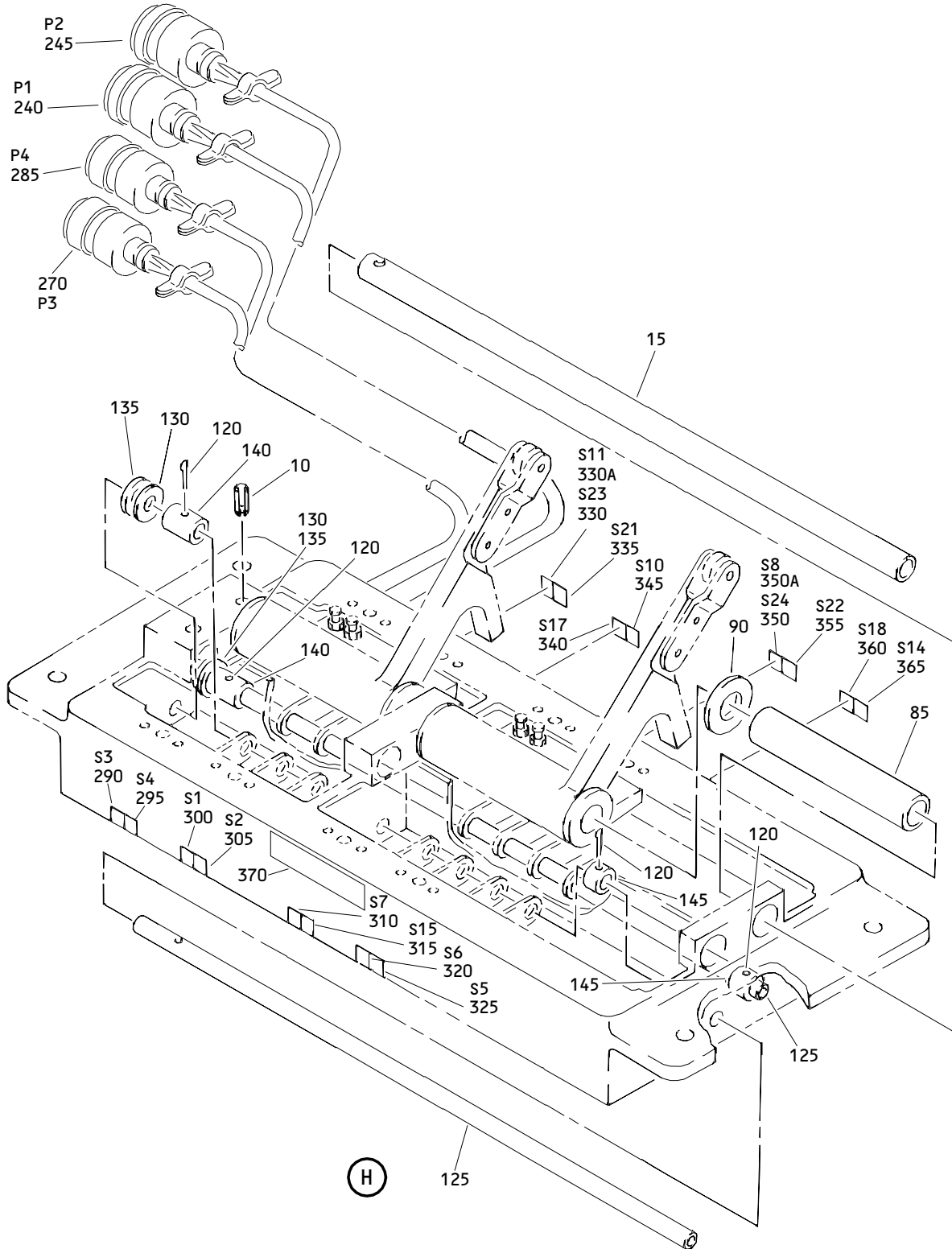
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Autothrottle Microswitch Pack Assembly
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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
02- -1	254N1185-9		PACK ASSY-AUTOTHROTTLE MICROSWITCH (POST SB 757-78-0028)	D	RF
R -1A	254N1185-14		PACK ASSY-AUTOTHROTTLE MICROSWITCH	E	RF
1B	254N1185-19		PACK ASSY-AUTOTHROTTLE MICROSWITCH	G	RF
5	MS24586C59		.SPRING	D,E,G	4
10	MS16562-33		.PIN-DOWEL	D,E,G	2
15	69B81758-1		.SHAFT	D,E,G	2
20	254N1192-1		.ARM ASSY	D,E,G	2
25	254N1192-2		.ARM ASSY	D,E,G	2
30	65B84585-15		..RIVET	D,E,G	1
35	S618CE		DELETED		
-35A	SSR1-618EE		..BEARING- (V83086) (OPT ITEM 35B)	D,E,G	1
35B	S618CE7P25L02		..BEARING (V83086) (OPT ITEM 35A)	D,E,G	1
40	BACR15BA2B		DELETED		
R 40A	BACR15BB2B		..RIVET- (SIZE DETERMINE ON INST)	D,E,G	2
45	69B81750-2		..SUPPORT-ARM	D,E,G	1
50	HJF049		..BUSHING- (V09455) (SPEC 10-60516-334A) (OPT AJF06PH1C4H (V50294)) (OPT ITEM 50A)	D,E,G	2
-50A	10-60516-334		..BUSHING- (OPT ITEM 50)	D,E,G	2
55	BACS12BG02P3		DELETED		
R 55A	BACS12BG02-3		..SCREW	D,E,G	4
R 60	NAS1352-02-8P		..SCREW- (OPT ITEM 60A)(PREF)	D,E,G	4

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE	EFF CODE	QTY PER ASSY
R 02-60A	BACS12BE02-7		1234567 ..SCREW- (V03680) (SPEC BACS12BE02-7) (OPT BACS12BE02-7 (V08524)) (OPT BACS12BE02-7 (V73197)) (OPT BACS12BE02-7 (V80539)) (OPT BACS12BE02-7 (V92215)) (OPT ITEM 60)	D,E,G	4
65	HW14-02		..NUT- (V15653) (SPEC BACN10GE02) (OPT ITEM 65A)	D,E,G	4
-65A	MS35649-222		..NUT- (OPT ITEM 65)(PREF)	D,E,G	4
70	69B82746-4		..PAD	D,E,G	4
75	254N1192-3		..ARM- (OPT ITEM 75A) (USED ON ITEM 20)	D,E,G	1
-75A	254N1208-1		..ARM- (OPT ITEM 75) (USED ON ITEM 20)	D,E,G	1
80	254N1192-4		..ARM- (OPT ITEM 80A) (USED ON ITEM 25)	D,E,G	1
-80A	254N1209-1		..ARM- (OPT ITEM 80) (USED ON ITEM 25)	D,E,G	1

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
02-					
85	NAS43DD6-153		.SPACER	D,E,G	2
90	69B81961-1		.SHIM	D,E,G	2
95	BACS12CK3-12		.SCREW- (V06710) (SPEC BACS12CK3-12) (OPT BACS12CK3-12 (V06725)) (OPT BACS12CK3-12 (V06950)) (OPT BACS12CK3-12 (V17943)) (OPT BACS12CK3-12 (V27624)) (OPT BACS12CK3-12 (V80539)) (OPT BACS12CK3-12 (V92215)) (OPT BACS12CK3-12 (V97928))	D,E,G	1
100	AN960JD10L		.WASHER	D,E,G	2
105	H52732-3		DELETED		
R 105A	H52732-3CD		.NUT- (V15653) (SPEC BACN10YR3CD) (OPT PLH53CD (V62554))	D,E,G	1
110	N2088		.PLUG- (V75345) (SPEC BACP20BA1) (OPT SZ7105 (V95272)) (OPT 4841 (V84914))	D,E,G	AR
R 115	BACC10DK9		DELETED		
-115A	BACC10DK6		DELETED		
115B	BACC10DK9		.CLAMP (OPT ITEM 115C)	D,G	1
115C	287T0011-3		.CLAMP (OPT ITEM 115B)	D,G	1
116	BACC10DK7		.CLAMP (OPT ITEM 116A)	E	2
116A	287T0011-2		.CLAMP (OPT ITEM 116)	E	2

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE	EFF CODE	QTY PER ASSY
			1234567		
R 02-					
117	BACC10DK6		DELETED		
117A	BACC10DK6		.CLAMP (OPT ITEM 117B) (V16115) (SPEC BACC10DK6) (OPT BACC10DK6 (V81872))	D,G	1
117B	287T0011-2		.CLAMP (OPT ITEM 117A)	D,G	1
120	MS24665-132		.PIN-COTTER	D,E,G	4
125	253T7312-1		.SHAFT	D,E,G	2
130	AN960KD10L		.WASHER	D,E,G	AR
135	AN960KD10		.WASHER	D,E,G	AR
140	253T7312-2		.COLLAR	D,E,G	2
145	253T7312-3		.COLLAR	D,E,G	2
150	MS24665-5		.PIN-COTTER	D,E,G	8
155	69B81754-6		.BOLT-ADJUSTING	D,E,G	8
160	69B81938-1		.NUT	D,E,G	8
165	69B81753-5		.TRUNNION	D,E,G	8
170	MS24585C95		.SPRING	D,E,G	8
175	253T7314-1		.CHANNEL	D,E,G	4
180	254N1168-3		.HOUSING ASSY	D,E,G	1
185	BACR15BB3AD		..RIVET- (SIZE DETERMINE ON INST)	D,E,G	16
190	BRM200A08		..NUTPLATE- (V52828) (SPEC BACN10JP08A) (OPT MK1000-08BAC (V15653)) (OPT NS103197-82 (V80539)) (OPT RMA9201M82 (V72962)) (OPT T8076S832 (V11815)) (OPT VN202A1-82 (V92215))	D,E,G	8
195	254N1168-4		..HOUSING	D,E,G	1
R 196	MS35214-9		DELETED		
R 197	69B82747-1		DELETED		
R 198	BACN10DN26		DELETED		
R 199	69B81752-2		DELETED		

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
02-					
R -200	254N1185-10		.WIRE BUNDLE ASSY	D	1
-200A	254N1185-17		DELETED		
-200B	254N1185-18		.WIRE BUNDLE ASSY	E	1
-200C	254N1185-20		.WIRE BUNDLE ASSY	G	1
205	MS35214-9		..SCREW	D,E,G	16
210	69B82747-1		..SPACER	D,E,G	2
215	BACN10DN26		..NUT	D,E,G	16
220	69B81752-2		..ARM-MTG	D,E	16
-225	254N1185-11		..WIRE BUNDLE ASSY	D	1
-225A	254N1185-17		..WIRE BUNDLE ASSY	E	1
-225B	254N1185-21		..WIRE BUNDLE ASSY	G	1
230	122SM44T2		...SWITCH (V91929)	D,E	8
			(SPEC BACS30BV1)		
235	141SM2T2		...SWITCH (V91929)	D,G	2
235A	141SM2T2		...SWITCH (V91929)	E	4
240	C48-16R16-24P		...CONNECTOR- (V13556) (SPEC BACC45FT16C24P) (OPT ZZWA1016-24P (V49367)) (OPT 48-16R16-24P (V02660)) (P1)	D	1
-240A	BACC45FT16C24P7		...CONNECTOR (P1)	E	1
-240B	BACC45FT16B24P		...CONNECTOR (P1)	G	1
245	C48-16R16-24P6		...CONNECTOR- (V13556) (SPEC BACC45FT16C24P6) (OPT ZZWA1016-24P6 (V49367)) (OPT 48-16R16-24P6 (V02660)) (P2)	D,G	1
-245A	BACC45FT16C24P8		...CONNECTOR (P2)	E	1
-260	254N1185-12		..WIRE BUNDLE ASSY	D	1
-260A	254N1185-15		..WIRE BUNDLE ASSY	E	1
-260B	254N1185-22		..WIRE BUNDLE ASSY	G	1
265	141SM2T2		...SWITCH (V91929)	D,G	2

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
02-265A	141SM2T2		...SWITCH (V91929)	E	1
270	BACC45FT12C12P		...CONNECTOR (P3)	D,E	1
270A	BACC45FT12B12P		...CONNECTOR (P3)	G	1
-275	254N1185-13		..WIRE BUNDLE ASSY	D,G	1
-275A	254N1185-16		..WIRE BUNDLE ASSY	E	1
280	141SM2T2		...SWITCH (V91929)	D,G	2
280A	141SM2T2		...SWITCH (V91929)	E	1
285	BACC45FT12C12P6		...CONNECTOR (P4)	D,E,G	1
R 286	122SM44T2		DELETED		
R 286D	141SM2T2		DELETED		
R 286H	BACC45FT16C24P7		DELETED		
R 286L	BACC45FT16C24P8		DELETED		
R 286Q	BACC45FT12C12P		DELETED		
R 286U	BACC45FT12C12P6		DELETED		
R -287	254N1185-15		DELETED		
R -288	254N1185-16		DELETED		
R -289	254N1185-17		DELETED		
290	BAC27TCT0014		.DECAL-S3	D,E,G	1
295	BAC27TCT0015		.DECAL-S4	D,E,G	1
300	BAC27TCT0012		.DECAL-S1	D,E,G	1
305	BAC27TCT0013		.DECAL-S2	D,E,G	1
310	BAC27TCT0031		.DECAL-S7	D,E,G	1
315	BAC27TCT0167		.DECAL-S15	D,E,G	1
320	BAC27TCT0017		.DECAL-S6	D,E,G	1
325	BAC27TCT0016		.DECAL-S5	D,E,G	1
330	BAC27NCT0296		.DECAL-S23	D,G	1
R -330A	BAC27TCT0163		.DECAL-S11	E	1
335	BAC27NCT0294		.DECAL-S21	D,E,G	1
340	BAC27TCT0292		.DECAL-S17	D,E,G	1
345	BAC27TCT0034		.DECAL-S10	D,E,G	1
350	BAC27NCT0297		.DECAL-S24	D,G	1
R 350A	BAC27TCT0032		.DECAL-S8	E	1
355	BAC27NCT0295		.DECAL-S22	D,E,G	1

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE	EFF CODE	QTY PER ASSY
			1234567		
02-360	BAC27TCT0298		.DECAL-S18	D,E,G	1
365	BAC27TCT0166		.DECAL-S14	D,E,G	1
370	BAC27NEL0268		.DECAL-M00966	D,E,G	1

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