

 **BOEING**
COMPONENT
MAINTENANCE MANUAL

TO: ALL HOLDERS OF INBOARD TRAILING EDGE FAIRING DOOR ASSEMBLY COMPONENT
MAINTENANCE MANUAL 27-51-89

REVISION NO. 3 DATED JUL 01/98

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.

401

DESCRIPTION OF CHANGE

Added solvent, series 82 (Ref 20-30-82) as a replacement for Trichloroethane.

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HIGHLIGHTS

01.1

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DOOR ASSY - INBD TE FLAP FAIRING

PART NUMBER 113T1750-1,-2

COMPONENT MAINTENANCE MANUAL
WITH
ILLUSTRATED PARTS LIST

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TITLE PAGE

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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

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REVISION RECORD

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TEMPORARY REVISION AND SERVICE BULLETIN RECORD

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVE	DATE OF INCORPORATION INTO MANUAL
767-27-0080R1		MC 0220MK6016	JAN 01/92

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TR & SB RECORD

01.1

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			602	JUL 10/84	01
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1	JUL 10/84	01	601	JAN 01/92	01.1
2	BLANK		602	BLANK	
REVISION RECORD			REPAIR 2-1		
1	JUL 10/84	01	601	JUL 10/84	01
2	BLANK		602	BLANK	
TR & SB RECORD			REPAIR 3-1		
1	JAN 01/92	01.1	601	JUL 10/84	01
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502	BLANK				

* = REVISED, ADDED OR DELETED

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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, and 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.

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INTRODUCTION

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DOOR ASSEMBLY - INBOARD TRAILING EDGE FAIRING

DESCRIPTION AND OPERATION

1. Description and Operation

A. The door assembly consists of an aluminum structure encased by a bonded fiberglass/kevlar/epoxy composite with aft and fwd hinge fittings. The door assembly is part of the body fairing and provides for smooth airflow around the inboard TE flap supporting structure, and is not operational by itself.

2. Leading Particulars (approximate)

Length -- 36 inches
Width -- 7.5 inches
Thickness -- 3 inches
Weight -- 5 pounds

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DESCRIPTION & OPERATION

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| DISASSEMBLY

- | 1. Use standard industry practices for disassembly of this component.

| NOTE: Disassemble this component only as necessary to complete fault isolation, determine the serviceability of parts, perform required repairs, and restore the unit to serviceable condition.

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CLEANING

CAUTION: DO NOT VAPOR DEGREASE FIBERGLASS/KEVLAR STRUCTURES WITH CHLORINATED CLEANING AGENTS SUCH AS METHYLENE CHLORIDE, TRICHLOROETHYLENE AND TRICHLOROETHANE. CHLORINATED CLEANING AGENTS WILL CAUSE DAMAGE TO FIBERGLASS/KEVLAR EPOXY STRUCTURES.

1,1,1-TRICHLOROETHANE IS ONE OF THE SOLVENTS ALLOWED FOR CLEANING COMPOSITE COMPONENTS. DO NOT SUBMERGE PARTS IN THE SOLVENT OR ALLOW STANDING SOLVENT ON THE PARTS OR DAMAGE MAY OCCUR. USE 1,1,1-TRICHLOROETHANE ONLY AS A WIPE SOLVENT.

1. Clean all parts, except for fiberglass/kevlar structures and bearing in accordance with standard industry practices (Ref 20-30-03).
 - A. Clear bonded panel assemblies (185, 190, 220, IPL Fig. 1) with a wiper and solvent, series 82 (Ref 20-30-82).
2. Clean teflon-lined and sealed bearing (135, IPL Fig. 1) per 20-30-01.

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CLEANING
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CHECK

1. Check all parts for obvious defects in accordance with standard industry practices.
2. Penetrant check per 20-20-02 -- Hinge (45, 50, 55, 60, 150, 155, 160, 165, IPL Fig. 1), and Bearing Retainers (125, 130).
3. Check fiberglass/kevlar epoxy parts for evidence of delamination, internal water, scratches, and contour defects.
 - A. Examine for delamination ultrasonically.
 - B. Examine areas suspected of containing water radiographically to determine extent of damage.
 - C. Examine edges of panel carefully for cuts and abrasions. Delamination starts very easily from damage to an edgemember of honeycomb panel.
 - D. Refer to 767 Structural Repair Manual for allowable damage data.
4. Check assembly for nicks, scratches and corrosion and refer to 767 Structural Repair Manual, 52-40-02, Fig. 14, for allowable repair limits and data.

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CHECK
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REPAIR – GENERAL1. Content

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

<u>P/N</u>	<u>NAME</u>	<u>REPAIR</u>
113T1752	HINGE ASSY – FWD	1-1
113T1752	HINGE ASSY – AFT	2-1
--	MISC PARTS REFINISH	3-1

2. Standard Practices

- A. Refer to the following standard practices as applicable, for details of procedures in individual repairs.
- B. 20-30-02 Stripping of Protective Finishes
 20-30-03 General Cleaning Procedures
 20-41-01 Decoding Table for Boeing Finish Codes
 20-41-02 Application of Chemical and Solvent Resistant Finishes
 20-43-03 Alodizing
 20-50-03 Bearing Installation and Retention

3. Materials

NOTE: Equivalent substitutes may be used.

- A. Alodine 1200 (colored film) (Ref 20-43-03)
- B. Coating, Conductive -- BMS 10-21, type I (Ref 20-60-02)
- C. Coating, Teflon Filled -- BMS 10-86 white (Ref 20-60-02)
- D. Enamel -- BMS 10-60 color BAC707 gray gloss (Ref 20-60-02)
 -- BMS 10-60, type II color BAC707 gray gloss (Ref 20-60-02)
- E. Primer -- BMS 10-11, type I (Ref 20-60-02)
 -- BMS 10-79, type II (Ref 20-60-02)
- F. Sealant -- BMS 5-95 (Ref 20-60-04)

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- G. Surfacer -- Epocast 156 (Ref 20-60-02)
 - Dexter 8-W-5 (Ref 20-60-02)

- H. Static Conditioner -- Dexter 28-C-1 (Ref 20-60-02)

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FORWARD HINGE ASSEMBLY - REPAIR 1-1

113T1752-1, -2, -11, -12

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

1. Bushing Replacement (35, IPL Fig. 1)

- A. Remove bushings.
- B. Install bushings per 20-50-03, except install with BMS 5-95 sealant.
- C. Machine a 0.562 inch diameter - 0.564 inch diameter hole through bushings.
- D. Fillet seal bushing edges with BMS 5-95 sealant.

2. Refinish

- A. Hinge (150, 155, 160, 165) -- Chromic acid anodize, type I and apply one coat BMS 10-11, type I primer (F-18.13); omit primer from bushing holes. Apply BMS 10-60, color BAC707 gray gloss enamel (SRF-14.9813); omit primer from bushing holes. Material: Al alloy.

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AFT HINGE ASSEMBLY – REPAIR 2-1

113T1752-3, -4, -13, -14

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

1. Bushing Replacement (95, 100, IPL Fig. 1)

- A. Remove bushings.
- B. Install bushings per 20-50-03, except install with BMS 5-95 sealant.
- C. Machine a 0.250 inch diameter – 0.252 inch diameter hole through bushings.
- D. Fillet seal bushing edges with BMS 5-95 sealant.

2. Refinish

- A. Hinge (45, 50, 55, 60) -- Chromic acid anodize, type I and apply one coat BMS 10-11, type I primer (F-18.13); omit primer from bushing and bearing holes. Apply BMS 10-60, color BAC707 gray gloss enamel (SRF-14.9813); omit primer from bushing and bearing holes. Material: Al alloy.

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MISCELLANEOUS PARTS REFINISH – REPAIR 3-1

1. Repair of parts listed consists of restoration of the original finish.

IPL FIG. & ITEM	MATERIAL	FINISH
<u>Fig. 1</u> Door Assy-Inbd TE Flap Fairing (1,5)	Fiberglass/Kevlar Epoxy	Apply BMS 10-79, type II primer and BMS 10-60, type II color BAC707 gray gloss enamel (F-19.40); omit enamel and apply BMS 10-86, type I teflon filled white coating to area specified in Fig. 602 (SRF-14.9624). Omit primer and enamel from bushing and bearings.
Angle (175,180)	Al Alloy	Apply alodine 1200 (colored film). Apply one coat BMS 10-11, type I primer (F-18.06). Apply BMS 10-86, type I white teflon filled coating (SRF-14.9624).
Panel Assy (185, 190,220)	Fiberglass/Kevlar Epoxy	Exterior surfaces and trimmed edges - prepare surface and apply Dexter 28-6-1 static conditioner. Apply Epocast 156 or Dexter 8-W-5 surfacer (SRF-14.672). Apply BMS 10-21, type I conductive coating (SRF-14.68). Apply one coat BMS 10-79, type II primer (F-19.46).
Channel (255,260)	Al Alloy	Apply alodine 1200 (colored film). Apply one coat BMS 10-11, type I primer (F-18.06).

Refinish Details
 Figure 601

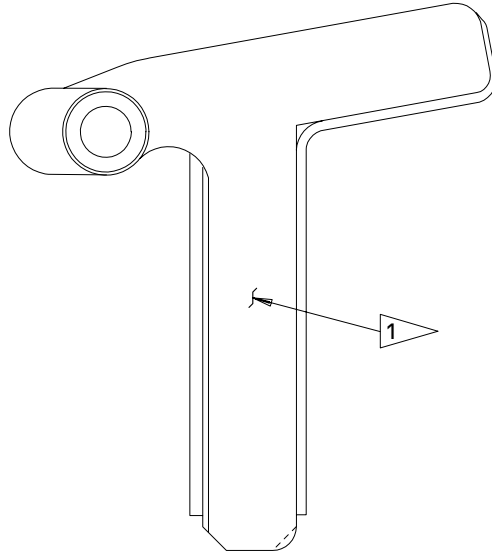
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1 OMIT BMS 10-60 ENAMEL, AND APPLY
BMS 10-86, TYPE 1 TEFLON FILLED
WHITE COATING ON THIS FACE.
OMIT COATING FROM BUSHING BORES

Refinish of Door Assy
Figure 602

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REPAIR 3-1

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ASSEMBLY1. Materials

NOTE: Equivalent substitutes may be used.

A. Coating -- Conductive (Ref 20-10-06)

2. Assembly (IPL Fig. 1)

A. Use standard industry practices for assembly of this component with the following additional steps.

B. Install bolts (195).

(1) Apply conductive coating to bolt holes per 20-10-06.

(2) Install bolt and check conductance per 20-10-06.

(3) Check resistance per 20-11-03.

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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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VENDORS

06710 VALLEY-TODECO INCORPORATED
12975 BRADLEY AVENUE
SYLMAR, CALIFORNIA 91342

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

06950 VSI CORP SCREWCORP DIV
13001 EAST TEMPLE AVENUE
CITY OF INDUSTRY, CALIFORNIA 91746

08524 DEUTSCH CO FASTENER DIV
PO BOX 92925 7001 WEST IMPERIAL HIGHWAY
LOS ANGELES, CALIFORNIA 90045

11815 TOWNSEND DIV OF TEXTRON INC CHERRY FASTENER UNIT
BOX 2157 1224 EAST WARNER AVENUE
SANTA ANA, CALIFORNIA 92707

15653 KAYNAR MICRODOT FASTENING SYSTEMS HIGH-TECH DIV
PO BOX 3001 800 SOUTH STATE COLLEGE BLVD
FULLERTON, CALIFORNIA 92634

15860 NEW HAMPSHIRE BALL BEARINGS, INCORPORATED ASTRO DIVISION
155 LEXINGTON AVENUE
LACONIA, NEW HAMPSHIRE 03246

17943 FEDERAL MANUFACTURING CORPORATION
6910 FARMDALE AVENUE
NORTH HOLLYWOOD, CALIFORNIA 91605

23294 AVALON MACHINE PRODUCTS INC
15337 ALLEN STREET
PARAMOUNT, CALIFORNIA 90723

27624 PAUL R BRILES INC P.B. FASTENER DIV
1700 WEST 132ND STREET PO BOX 1157
GARDENA, CALIFORNIA 90249

50294 NMB INC
9730 INDEPENDENCE AVENUE
CHATSWORTH, CALIFORNIA 91311

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 **BOEING**
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50632 KAMATICS CORP SUB OF KAMAN CORP
1335 BLUE HILLS ROAD
BLOOMFIELD, CONNECTICUT 06002

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

56878 SPS TECHNOLOGIES INC
HIGHLAND AVENUE
JENKINTOWN, PENNSYLVANIA 19046

70265 ALL POWER MANUFACTURING COMPANY
13141 MOLETTE STREET
SANTE FE SPRINGS, CALIFORNIA 90670

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

72962 AMERACE CORP ESNA DIV
2330 VAUXHALL ROAD
UNION, NEW JERSEY 07083

73134 HEIM DIV INCOM INTERNATIONAL INC
60 ROUND HILL ROAD
FAIRFIELD, CONNECTICUT 06430

73197 HI-SHEAR CORPORATION
2600 SKYPARK DRIVE
TORRANCE, CALIFORNIA 90509

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

81205 BOEING CO THE
PO BOX 3707
SEATTLE, WASHINGTON 98124

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

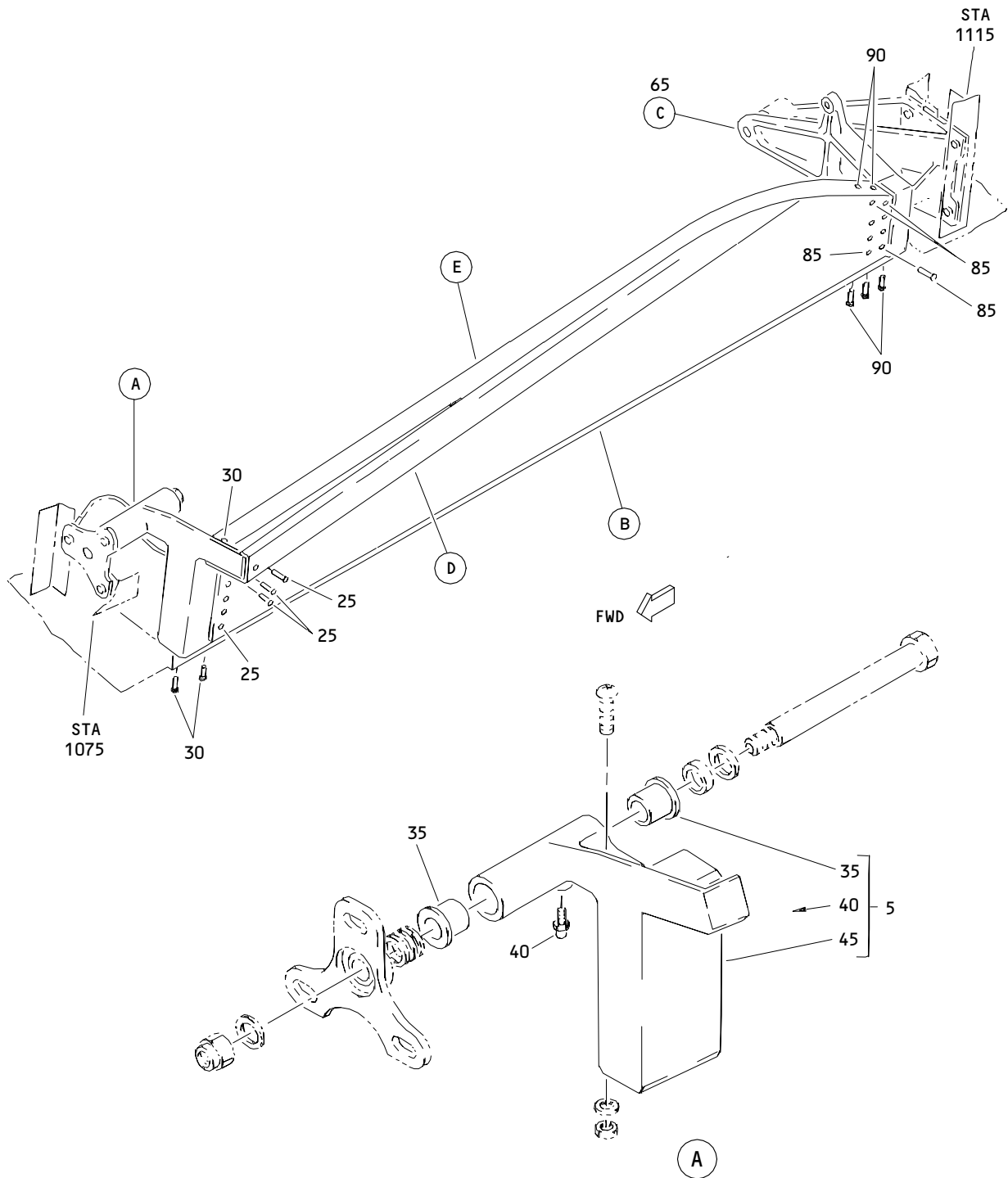
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VENDORS

- 94892 MASTER MACHINE PRODUCTS CORPORATION
2069 RANDOLPH STREET
HUNTINGTON PARK, CALIFORNIA 90255
- 97613 SARGENT INDUSTRIES KAHR BEARING DIVISION
3010 NORTH SAN FERNANDO ROAD
BURBANK, CALIFORNIA 91503
- 97928 LITTON FASTENING SYSTEMS DIV OF LITTON SYSTEMS INC
3969 PARAMONT BOULEVARD
LAKEWOOD, CALIFORNIA 90712

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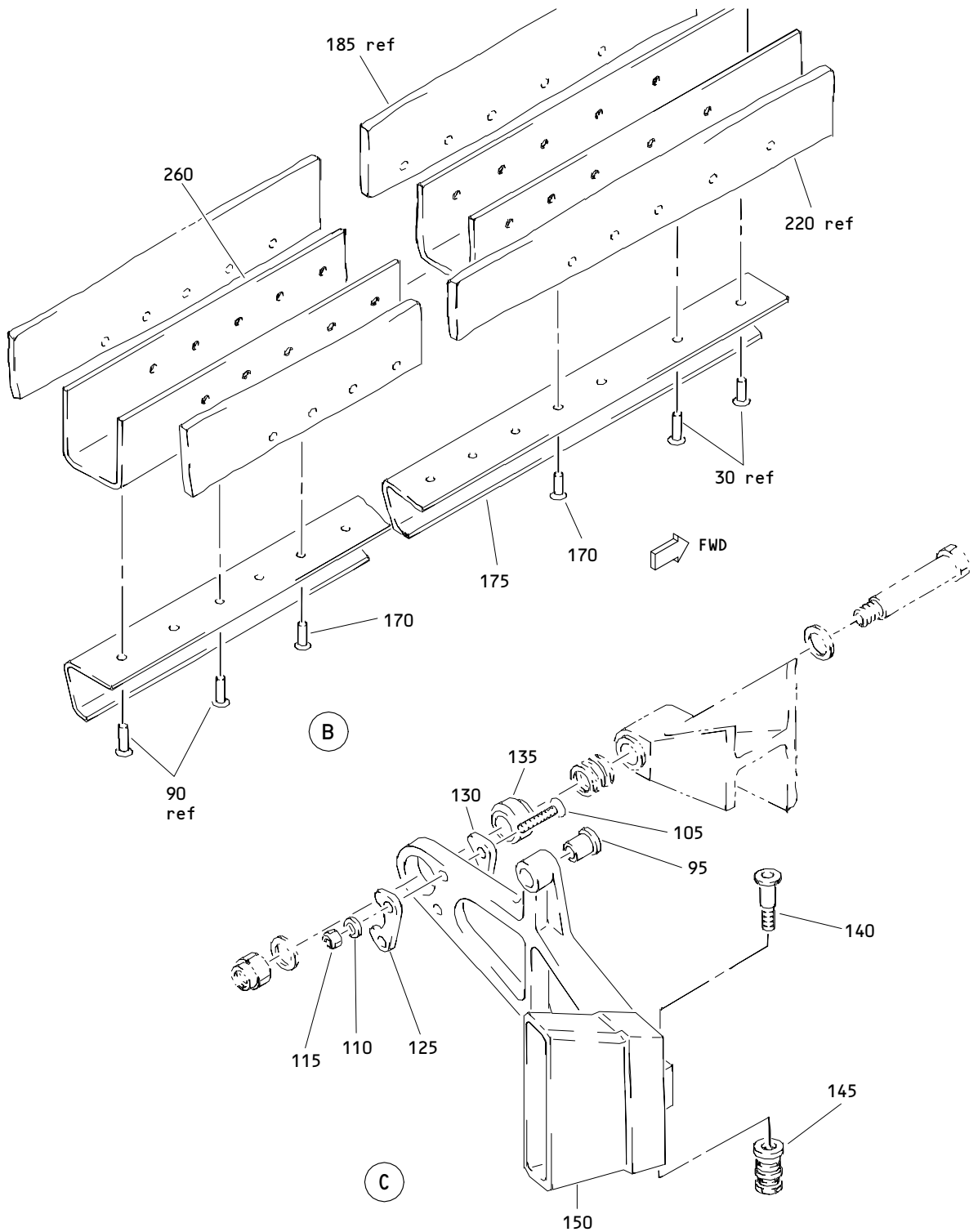
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Inboard Trailing Edge Flap Firing Door Assembly
 Figure 1 (Sheet 1)

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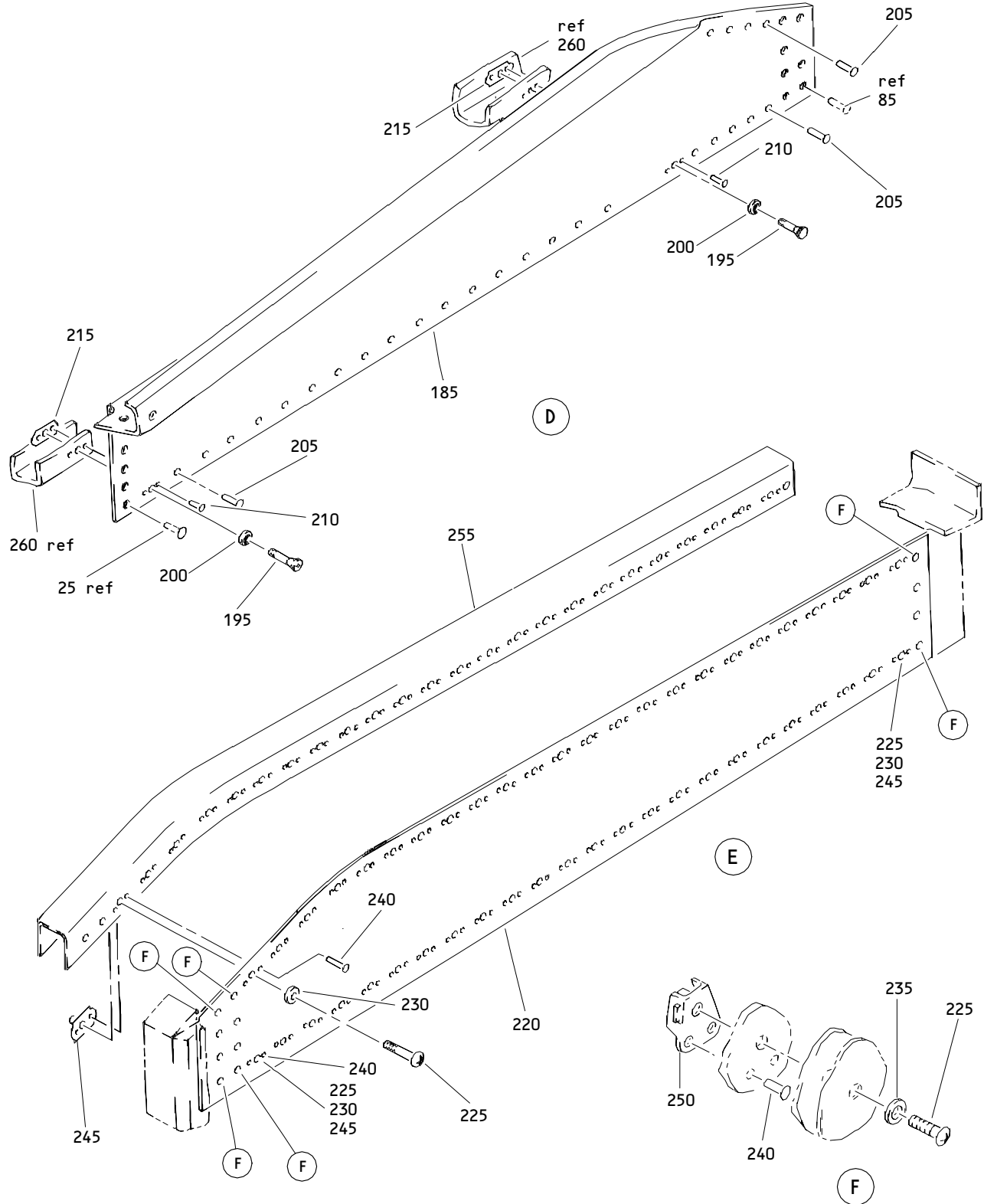
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Inboard Trailing Edge Flap Fairing Door Assembly
Figure 1 (Sheet 2)

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Inboard Trailing Edge Flap Fairing Door Assembly
Figure 1 (Sheet 3)

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -1	113T1750-1		DOOR ASSY-FAIRING INBD TE FLAP *[1]	A	RF
-1A	113T1750-2		DOOR ASSY-FAIRING INBD TE FLAP *[1]	B	RF
5	113T1752-1		.HINGE ASSY-FWD (LIMITED) (OPT TO ITEM 10)	A	1
-10	113T1752-11		.HINGE ASSY-FWD	A	1
-15	113T1752-2		.HINGE ASSY-FWD (LIMITED) (OPT TO ITEM 20)	B	1
-20	113T1752-12		.HINGE ASSY-FWD ATTACHING PARTS	B	1
25	BACR15BA5AD		.RIVET- (SIZE DETERMINE ON INST)		7
30	BACR15BB6AD		.RIVET- (SIZE DETERMINE ON INST)		3
35	BACB28AM09B075A		-----*----- ..BUSHING- (V23294) (SPEC BACB28AM09B075A) (OPT BACB28AM09B075A (V70265)) (OPT BACB28AM09B075A (V94892))		2
40	MS15001-1		..FITTING		1
45	113T1752-5		..HINGE- (USED ON ITEM 5)	A	1
-50	113T1752-15		..HINGE- (USED ON ITEM 10)	A	1
-55	113T1752-6		..HINGE- (USED ON ITEM 15)	B	1
-60	113T1752-16		..HINGE- (USED ON ITEM 20)	B	1
65	113T1752-3		.HINGE ASSY-AFT (LIMITED) (OPT TO ITEM 70)	A	1

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
-70	113T1752-13		.HINGE ASSY-AFT	A	1
-75	113T1752-4		.HINGE ASSY-AFT (LIMITED) (OPT TO ITEM 80)	B	1
-80	113T1752-14		.HINGE ASSY-AFT ATTACHING PARTS	B	1
85	BACR15BA5AD		.RIVET- (SIZE DETERMINE ON INST)		8
90	BACR15BB6AD		.RIVET- (SIZE DETERMINE ON INST)		5
95	BCREF7635		-----*----- ..BUSHING- (V81205) (BACB28AM04B050A) (USED ON ITEMS 65, 75)		1
-100	BACB28AM04B050A		..BUSHING- (V23294) (SPEC BACB28AM04B050A) (OPT BACB28AM04B050A (V70265)) (OPT BACB28AM04B050A (V94892)) (USED ON ITEMS 70, 80)		1
105	BACB30LH4-10		..BOLT- (V06710) (SPEC BACB30LH4-10) (OPT BACB30LH4-10 (V06725)) (OPT BACB30LH4-10 (V06950)) (OPT BACB30LH4-10 (V08524)) (OPT BACB30LH4-10 (V17943)) (OPT BACB30LH4-10 (V27624)) (OPT BACB30LH4-10 (V80539)) (OPT BACB30LH4-10 (V92215)) (OPT BACB30LH4-10 (V97928))		2

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- 110 115	AN96OPD416L H10-4BAC		..WASHER ..NUT- (V15653) (SPEC BACN10JC4) (OPT NS202101-048 (V80539)) (OPT RMLH9075-4W (V72962)) (OPT T6S428J (V71087)) (OPT VN303A048 (V92215)) (OPT 96-048 (V80539)) (OPT BRH10A4 (V52828)) (USED ON ITEMS 65, 75)		2 2
-120	BRH10C4D		..NUT- (V52828) (SPEC BACN10JC4CD) (OPT H51650-4BAC (V15653)) (OPT 102LH9075-4W (V72962)) (OPT NS202486-048 (V80539)) (OPT T6C428CD (V11815)) (USED ON ITEMS 70, 80)		2

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
125	113T1752-10		..RETAINER-BRG		1
130	113T1752-9		..RETAINER-BRG		1
135	ADW6-301NC		..BEARING- (V15860) (SPEC BACB10FA06C) (OPT KSC152200BZ6C (V50632)) (OPT KWDB6-34 (V97613)) (OPT WHTFA06C (V50294)) (OPT WRRS06FAC (V73134))		1
140	BACB30MY6K12		..BOLT		1
145	HL79-6		..COLLAR- (V56878) (SPEC BACC30M6) (OPT HL79-6 (V73197)) (OPT HL79-6 (V92215)) (OPT 66014-6 (V56878))		1
150	113T1752-7		..HINGE- (USED ON ITEM 65)	A	1
-155	113T1752-17		..HINGE- (USED ON ITEM 70)	A	1
-160	113T1752-8		..HINGE- (USED ON ITEM 75)	B	1
-165	113T1752-18		..HINGE- (USED ON ITEM 80)	B	1
170	BACR15BB4AD		.RIVET- (SIZE DETERMINE ON INST)		28
175	113T1750-5		.ANGLE	A	1

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
-180	113T1750-6		.ANGLE	B	1
185	113T1751-1		.PANEL ASSY-BONDED	A	1
-190	113T1751-2		.PANEL ASSY-BONDED	B	1
			ATTACHING PARTS		
195	BACB30LH3-4		.BOLT-		2
			(V06710)		
			(SPEC BACB30LH3-4)		
			(OPT BACB30LH3-4		
			(V06725))		
			(OPT BACB30LH3-4		
			(V06950))		
			(OPT BACB30LH3-4		
			(V08524))		
			(OPT BACB30LH3-4		
			(V17943))		
			(OPT BACB30LH3-4		
			(V27624))		
			(OPT BACB30LH3-4		
			(V80539))		
			(OPT BACB30LH3-4		
			(V92215))		
			(OPT BACB30LH3-4		
			(V97928))		
200	BACW10U10CP		.WASHER		2
205	BACR15BA5AD		.RIVET-		50
			(SIZE DETERMINE ON INST)		
			-----*		
210	BACR15BA3AD		.RIVET-		4
			(SIZE DETERMINE ON INST)		
215	BACN10JQ32		.NUTPLATE		2
220	113T1751-3		.PANEL ASSY		1
			ATTACHING PARTS		
225	NAS623-3-4		.SCREW		58
230	AN960-10L		.WASHER		46
235	AN960-10		.WASHER		12
			-----*		
240	BACR15BA3AD		.RIVET-		116
			(SIZE DETERMINE ON INST)		
245	BACN10JQ32		.NUTPLATE		46

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FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE	EFF CODE	QTY PER ASSY
			1234567		
01-250	NS103225-02		.NUTPLATE- (V80539) (SPEC BACN10KH3) (OPT RMF9209M3 (V72962)) (OPT F29779-3 (V15653))		12
255	113T1750-3		.CHANNEL		1
260	113T1750-4		.CHANNEL		1

*[1] PRE SB 767-27-0080R1. (POST SB PARTS CONTAINED IN 27-51-36).

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