TO: ALL HOLDERS OF MAIN LANDING GEAR DOOR UPLOCK ASSY COMPONENT MAINTENANCE MANUAL 32-32-14

REVISION NO. 8 DATED NOV 01/99

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 the Revision No. and date on the Record of Revision Sheet.

CHAPTER/SECTION AND PAGE NO.	DESCRIPTION OF CHANGE
CONTENTS	Added Fits and Clearances.
1	
801-804	
CONTENTS	Sent page with non-technical change.
1	
501	
701	
801	

MAIN LANDING GEAR DOOR
UPLOCK ASSEMBLY

PART NUMBER 149T6903-7,-8,-9

COMPONENT MAINTENANCE MANUAL
WITH
ILLUSTRATED PARTS LIST

4398

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
		PRRB10293 PRRB10591	Apr 10/82 Apr 10/82

PAGE	DATE	CODE
32-32-14		
TITLE PAGE		
1	MAR 01/99	01.1
2	BLANK	
REVISION RECORD		
1	JUL 10/83	01
2	BLANK	
TR & SB RECORD		
1	JUL 10/83	01
2	BLANK	
LIST OF EFFECTIVE PAGES		
*1	NOV 01/99	01
THRU LAST PAGE		
CONTENTS		
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2	BLANK	
INTRODUCTION		
1	JUL 10/83	01
2	BLANK	
DESCRIPTION & OPERATION		
1	JUL 10/83	01
2	BLANK	
DISASSEMBLY		
301	JUL 10/83	01
302	BLANK	
CHECK		
*501	NOV 01/99	01.1
502	BLANK	
REPAIR-GENERAL		
601	JUL 10/83	01
602	JUL 10/83	01

PAGE	DATE	CODE
REPAIR 1-1		
601	MAR 01/99	01.1
602	JUL 01/90	01.1
603	JUL 01/90	01.1
604	MAR 01/99	01.1
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REPAIR 2-1		
601	MAR 01/99	01.1
602	JUL 01/90	01.1
*603	NOV 01/99	01.101
604	BLANK	
REPAIR 3-1		
601	MAR 01/99	01.1
602	BLANK	
REPAIR 4-1		
601	JUL 10/83	01
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ASSEMBLY		
*701	NOV 01/99	01.1
702	JUL 01/90	01.1
703	MAR 01/99	01.1
704	BLANK	
FITS AND CLEARANCES		
*801	NOV 01/99	01.1
*802	NOV 01/99	01.1
*803	NOV 01/99	01.1
*804	NOV 01/99	01.1
ILLUSTRATED PARTS LIST		
1001	JUL 10/83	01
1002	MAR 01/99	01.1
1003	MAR 01/99	01.1
1004	MAR 01/99	01.1
1005	BLANK	
1006	MAR 01/99	01.1
1007	MAR 01/99	01.1
1008	MAR 01/99	01.1

* = REVISED, ADDED OR DELETED

PAGE	DATE	CODE
ILLUSTRATED PARTS LIST		CONT.
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1011	MAR 01/99	01.1
1012	MAR 01/99	01.1
1013	MAR 01/99	01.1
1014	MAR 01/99	01.1

PAGE	DATE	CODE

* = REVISED, ADDED OR DELETED

TABLE OF CONTENTS

*[1] Special instructions not necessary, use standard industry practices and information contained in 20-30-03.

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
2. Record of Revisions
3. Temporary Revision & Service Bulletin Record
4. List of Effective Pages
5. Table of Contents
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, and an explanation of the True Position Dimensioning symbols used.

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.

MAIN LANDING GEAR DOOR UPLOCK ASSEMBLY

DESCRIPTION AND OPERATION

1. The main landing gear door uplock assembly consists of a steel hook, aluminum support and aluminum sensor mounting brackets.

2. The uplock assembly is fixed to the aircraft frame, while a roller is fixed to a beam on the main landing gear door. As the main landing gear is retracted, the door roller engages the hook and locks the door closed, while the gear rests on the door beam.

   For extension of the gear, the hook support is pushed, causing the hook to disengage and release the door and gear.

3. Leading Particulars (Approximate)

   Length -- 11 inches
   Width -- 7 inches
   Height -- 17 inches
   Weight -- 23 lbs

DISASSEMBLY

1. Disassembly

A. Disassemble as required, using standard industry practices.

NOTE: To facilitate reassembly, note all shim thicknesses when disassembling.

CHECK

NOTE: Refer to IPL Fig. 1 and 2 for item numbers.

1. Check all parts for obvious defects in accordance with standard industry practices.

2. Magnetic particle check per 20-20-01 -- Fitting (Fig. 1, 90A), (Fig. 2, 80).

3. Penetrant check per 20-20-02 -- Fitting (Fig. 1, 130A, 130B, 130C), (Fig. 2, 85).

REPAIR - GENERAL

1. Content

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

P/N	NAME	REPAIR
149T6926	HOOK FTG	1-1
149T6923	HOOK SUPT FTG	2-1
- - -	MISC PARTS REFINISH	3-1
- - -	BUSHING SEALING	4-1

2. Standard Practices

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

   20-10-01 Repair and Refinish of High Strength Steel Parts
   20-10-02 Machining of Alloy Steel
   20-10-03 Shot-Peening
   20-30-02 Stripping of Protective Finishes
   20-30-03 General Cleaning Procedures
   20-41-01 Decoding Table for Boeing Finish Codes
   20-42-02 Low Hydrogen Embrittlement Cadmium-Titanium Alloy Plating
   20-43-01 Chromic Acid Anodizing
   20-50-03 Bearing Installation and Retention

3. Materials

   NOTE: Equivalent substitutes may be used.

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

   B. Sealant -- BMS 5-95 (Optional -- BMS 5-79) (Ref 20-60-04)

   C. Enamel -- BMS 10-60, gloss, color white (702) (Ref 20-60-02)

4. Dimensioning Symbols

A. Standard True Position Dimensioning Symbols used in applicable repair procedures are shown in Fig. 601.

—	STRAIGHTNESS
▱	FLATNESS
⊥	PERPENDICULARITY (OR SQUARENESS)
//	PARALLELISM
○	ROUNDNESS
⌭	CYLINDRICITY
⌒	PROFILE OF A LINE
⌓	PROFILE OF A SURFACE
◎	CONCENTRICITY
⌯	SYMMETRY
∠	ANGULARITY
⌖	THEORETICAL EXACT POSITION OF A FEATURE (TRUE POSITION)
∅	DIAMETER
BASIC (BSC) OR [DIM]	A THEORETICALLY EXACT DIMENSION USED TO DESCRIBE SIZE, SHAPE OR LOCATION OF A FEATURE FROM WHICH PERMISSIBLE VARIATIONS ARE ESTABLISHED BY TOLERANCES ON OTHER DIMENSIONS OR NOTES.
[-A-]	DATUM
Ⓜ	MAXIMUM MATERIAL CONDITION (MMC)
Ⓢ	REGARDLESS OF FEATURE SIZE (RFS)
Ⓟ	PROJECTED TOLERANCE ZONE

EXAMPLES

— 0.002	STRAIGHT WITHIN 0.002
⊥ B 0.002	PERPENDICULAR TO B WITHIN 0.002
// A 0.002	PARALLEL TO A WITHIN 0.002
○ 0.002	ROUND WITHIN 0.002
⌭ 0.010	CYLINDRICAL SURFACE MUST LIE BETWEEN TWO CONCENTRIC CYLINDERS, ONE OF WHICH HAS A RADIUS 0.010 INCH GREATER THAN THE OTHER
⌒ A 0.006	EACH LINE ELEMENT OF THE SURFACE AT ANY CROSS SECTION MUST LIE BETWEEN TWO PROFILE BOUNDARIES 0.006 INCH APART IN RELATION TO DATUM PLANE A
⌓ A 0.020	SURFACES MUST LIE WITHIN PARALLEL BOUNDARIES 0.02 INCH APART AND EQUALLY DISPOSED ABOUT TRUE PROFILE
◎ C ∅ 0.0005	CONCENTRIC TO C WITHIN 0.0005 DIAMETER (FULL INDICATOR MOVEMENT)
⌯ A 0.010	SYMMETRICAL WITH A WITHIN 0.010
∠ A 0.005	ANGULAR TOLERANCE 0.005 WITH A
⌖ B 0.002 Ⓢ	LOCATED AT TRUE POSITION WITHIN 0.002 DIA IN RELATION TO DATUM B, REGARDLESS OF FEATURE SIZE
⊥ A ∅ 0.010 Ⓜ 0.510 Ⓟ	AXIS IS TOTALLY WITHIN A CYLINDER OF 0.010-INCH DIAMETER, PERPENDICULAR TO, AND EXTENDING 0.510-INCH ABOVE, DATUM A, MAXIMUM MATERIAL CONDITION
[2.000] OR 2.000 BSC	EXACT DIMENSION IS 2.000

True Position Dimensioning Symbols
Figure 601

HOOK FITTING - REPAIR 1-1

149T6926-2, -3

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

1. Hook Replacement (Fig. 601 and 602)

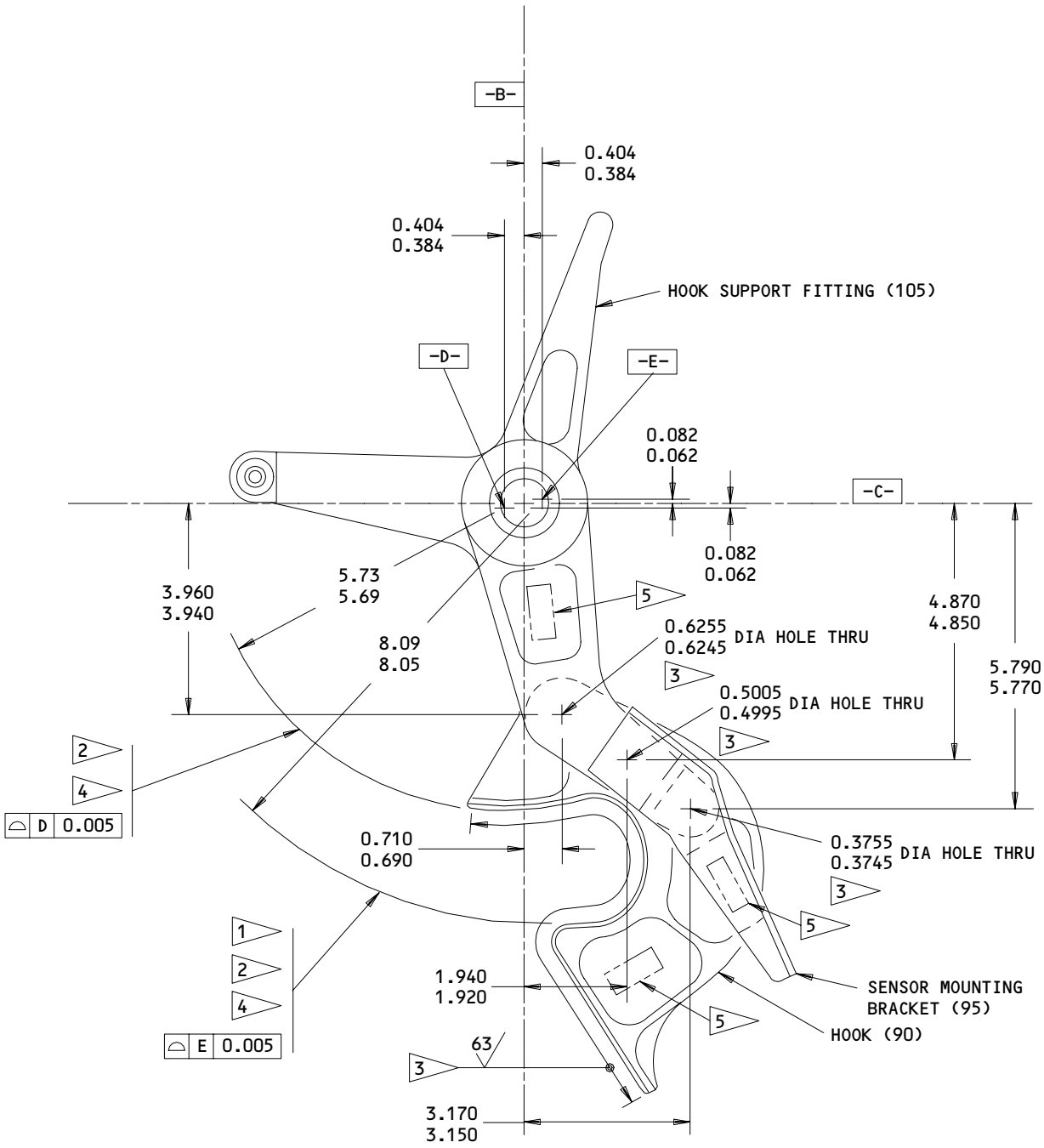
   NOTE: Replacement of hook assy will require a check of MLG door rigging and adjustment of door proximity switches or targets.

   A. Align hook fitting (Fig. 1, 90A), (Fig. 2, 80) with hook support fitting (Fig. 1 105A), (Fig. 2, 85) and machine as necessary to assemble.

   B. Assemble fitting (Fig. 1, 105A), (Fig. 2, 85) and hook (Fig. 1, 90A), (Fig. 2, 80) per par. 2.A. and 2.B. of ASSEMBLY and check the dimensional requirements of flagnote 2 (Fig. 601).

   C. Disassemble the hook and machine to meet the requirements of flagnote 2 (Fig. 601 and 602), then nital etch and stress relieve 4 hours per 20-10-01.

   D. Shot peen, cadmium-titanium plate, and apply primer and enamel.



149T6926-2
Hook Replacement
Figure 601 (Sheet 1)

4403

REFINISH

CADMIUM - TITANIUM PLATE AND APPLY CHROMATE POST PLATE TREATMENT (F-15.01) ALL OVER. APPPLY ONE COAT BMS 10-11, TYPE 1 PRIMER (F-20.02) AND APPLY BMS 10-60 WHITE GLOSS ENAMEL (SRF-14.9812) ALL OVER, EXCEPT ON HOOK MATING SURFACE, AND SURFACES NOTED PER 3

125 ALL MACHINED SURFACES EXCEPT AS NOTED

BREAK SHARP EDGES 0.02-0.03R

SHOT PEEN: 0.016-0.033 SHOT SIZE
0.012A-0.017A INTENSITY

MATERIAL: 4340M STEEL (275-300 KSI)

COVERAGE: 1.0 AUTOMATED
2.0 MANUAL

ALL DIMENSIONS ARE IN INCHES

1 THIS SURFACE IS CRITICAL TO THE OPERATION OF THE AIRPLANE

2 ALL ELEMENTS ON THIS SURFACE MUST BE A TRUE RADIUS, THROUGH A COMMON CENTER, AND MUST BE WITHIN TOLERANCE BAND SHOWN.

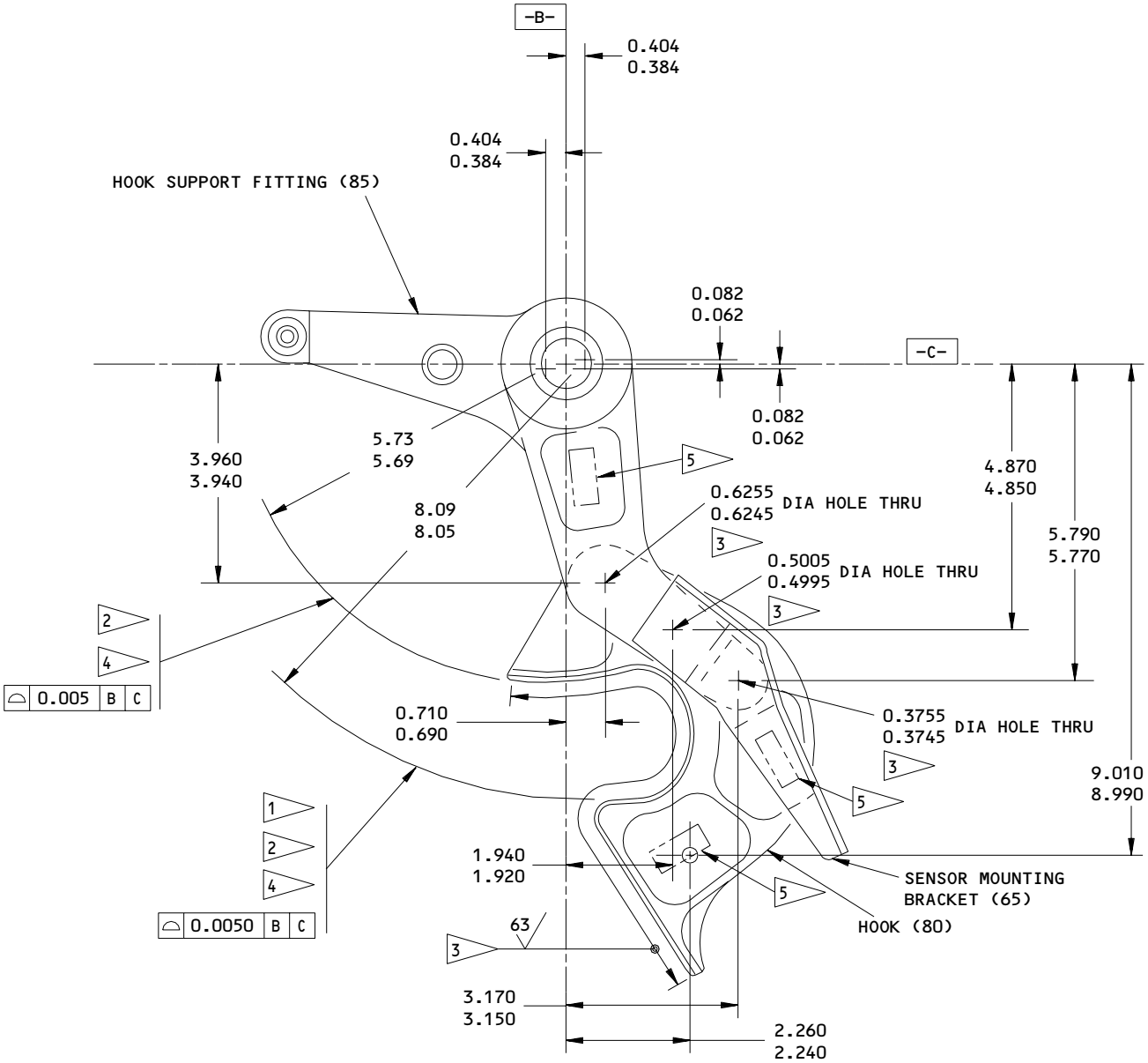
3 NO PRIMER OR ENAMEL ON NOTED SURFACE

4 BREAK SHARP EDGES 0.01-0.02R

5 APPROXIMATE SERIAL NUMBER LOCATION

149T6926-2

Hook Replacement
Figure 601 (Sheet 2)



ITEM NUMBERS REFER TO IPL FIG. 2

149T6926-3
Hook Replacement
Figure 602 (Sheet 1)

H96476

REFINISH

CADMIUM - TITANIUM PLATE AND APPLY CHROMATE POST PLATE TREATMENT (F-15.01) ALL OVER. APPPLY ONE COAT BMS 10-11, TYPE 1 PRIMER (F-20.02) AND APPLY BMS 10-60 WHITE GLOSS ENAMEL (SRF-14.9812) ALL OVER, EXCEPT ON HOOK MATING SURFACE, AND SURFACES NOTED PER 3

63 ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

BREAK SHARP EDGES 0.02-0.03R

SHOT PEEN: 0.016-0.033 SHOT SIZE
0.012A-0.017A INTENSITY

MATERIAL: 4340M STEEL (275-300 KSI)

COVERAGE: 1.0 AUTOMATED
2.0 MANUAL

ALL DIMENSIONS ARE IN INCHES

1 THIS SURFACE IS CRITICAL TO THE OPERATION OF THE AIRPLANE

2 ALL ELEMENTS ON THIS SURFACE MUST BE A TRUE RADIUS, THROUGH A COMMON CENTER, AND MUST BE WITHIN TOLERANCE BAND SHOWN.

3 NO PRIMER OR ENAMEL ON NOTED SURFACE

4 BREAK SHARP EDGES 0.01-0.02R

5 APPROXIMATE SERIAL NUMBER LOCATION

149T6926-3
Hook Replacement
Figure 602 (Sheet 2)

H96479

FITTING ASSEMBLY, HOOK SUPPORT - REPAIR 2-1

149T6923-3, -5, -8
149T6817-1

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

1. Bushing Replacement (Fig. 601 and 602)

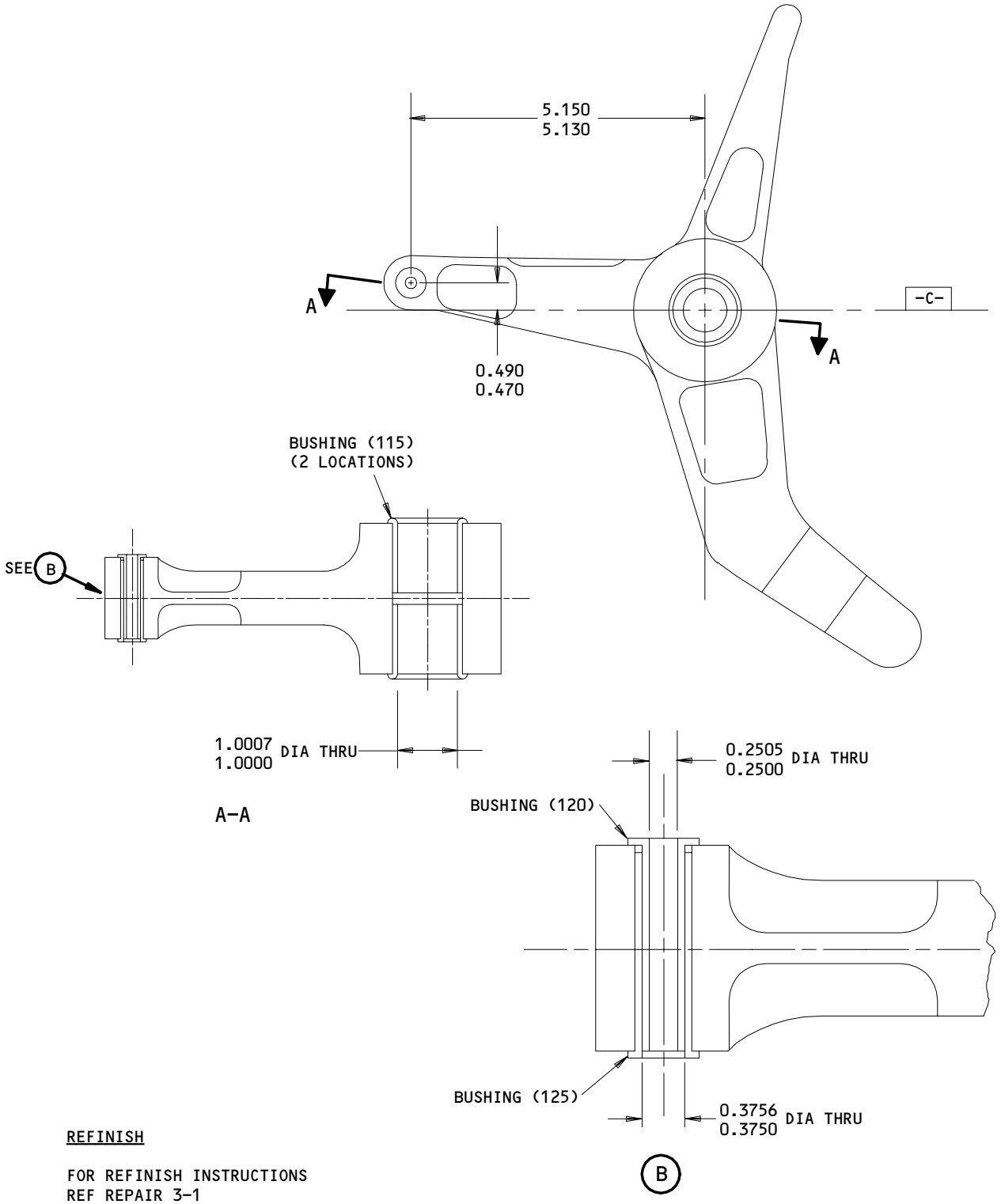
NOTE: Refer to REPAIR-GEN for list of applicable standard practices.

A. Remove bushings.

B. Install new bushings using shrink-fit method.

C. Check dimensions and machine as necessary.

D. Seal bushings per REPAIR 4-1



REFINISH

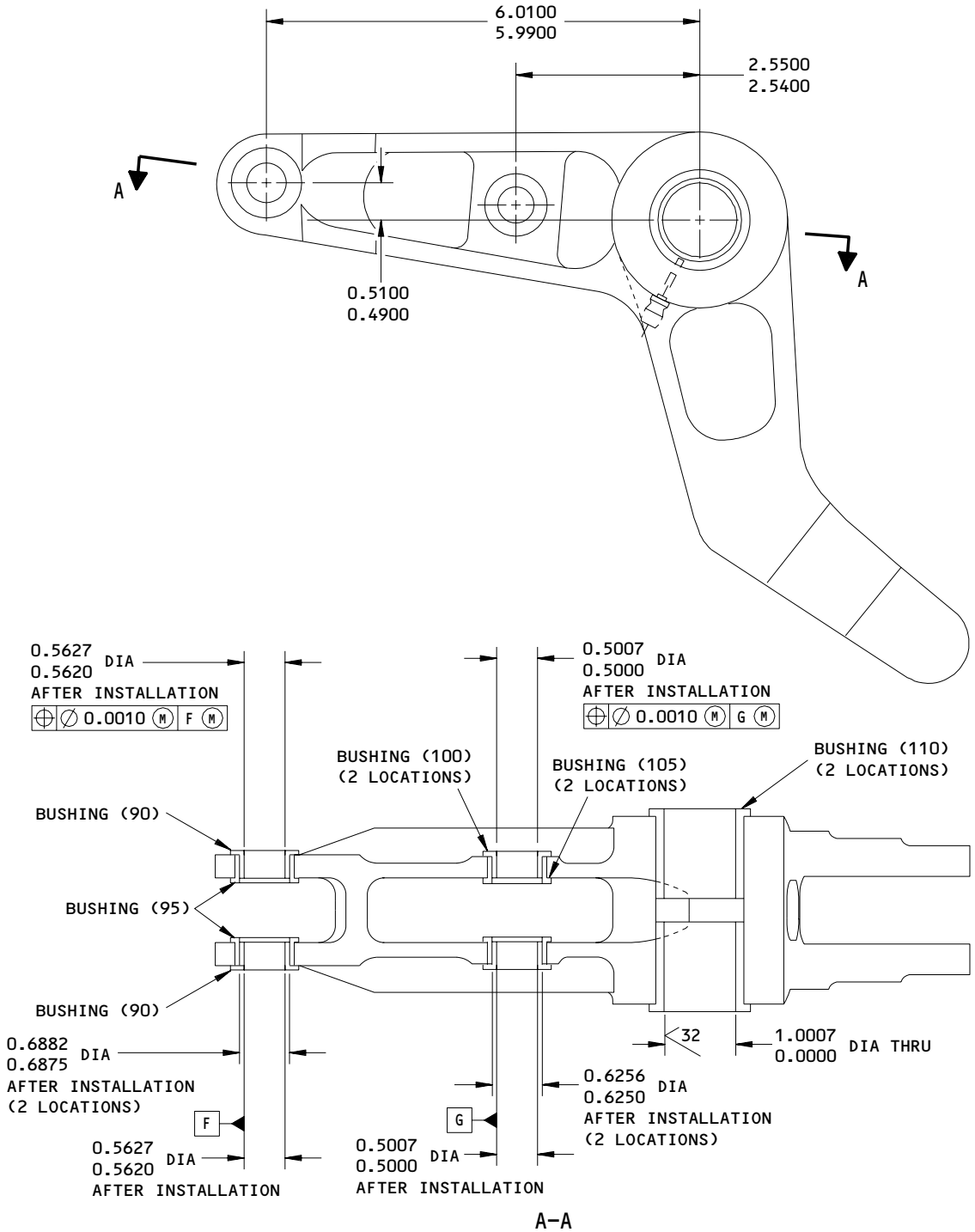
FOR REFINISH INSTRUCTIONS
REF REPAIR 3-1

149T6923-3,-5
149T6817-1

ALL DIMENSIONS ARE IN INCHES

Bushing Replacement
Figure 601

4408



A-A

REFINISH

FOR REFINISH INSTRUCTIONS
REF REPAIR 3-1

63 ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

ITEM NUMBERS REFER TO IPL FIG. 2

ALL DIMENSIONS ARE IN INCHES

149T6923-8
Bushing Replacement
Figure 602

MISCELLANEOUS PARTS - REPAIR 3-1

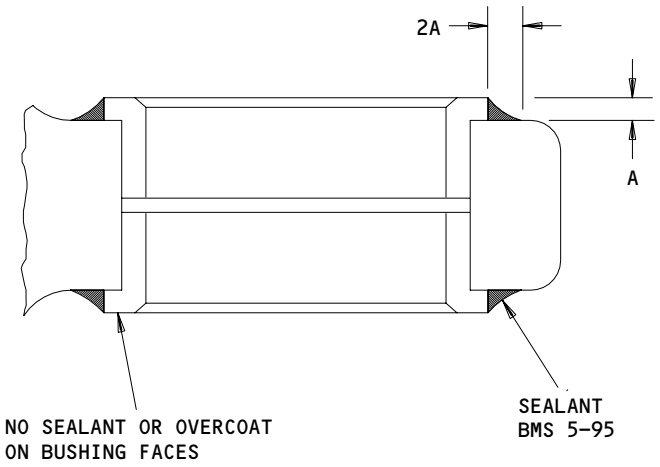
1. Repair of the parts listed in Fig. 601 consists of restoration of original finish.

IPL FIG. & ITEM	MATERIAL	FINISH
Fig. 1		
Striker plate (Fig. 1, 5A)	4330M Steel, 220-240 ksi	Cadmium-titanium plate and apply chromate post-plate treatment (F-15.01), followed by one coat BMS 10-11, type 1 primer (F-20.02) and BMS 10-60 white gloss enamel (SRF-14.9812) all over.
Fitting Retainer (Fig. 1, 23)	Al alloy	Chromic acid anodize, type 1 and apply one coat BMS 10-11, type 1 primer (F-18.13).
Sensor mounting bracket (Fig. 1, 95B,100B),(Fig. 2, 65,70)	Al alloy	Anodize (F-17.05) and apply one coat BMS 10-11, type 1 primer (F-20.02) and BMS 10-60 white gloss enamel (SRF-14.9812) all over.
Hook support fitting (Fig. 1, 130A), (Fig. 2, 80)	Al alloy	Chromic acid anodize, type 1 and apply one coat BMS 10-11, type 1 primer (F-18.13) all over except in lube hole, bushing holes, and bolt holes. After bushing and lube fitting installation, apply BMS 10-60 white gloss enamel (SRF-14.9812) all over except on bushings, lube fitting and in bolt holes.

Refinish Details
Figure 601

BUSHING SEALANT APPLICATION - REPAIR 4-1

1. Seal all flanged bushings after installation per Fig. 601.



1. CLEAN AREAS OF SEALANT APPLICATION WITH SOLVENT.
2. APPLY FILLET OF SEALANT TO EDGES OF BUSHINGS AS SHOWN.
3. APPLY COATING OF GRAY GLOSS ENAMEL, BMS 10-60 OVER SEALANT AND AREAS AROUND SEALANT.

Bushing Sealant Application
Figure 601

ASSEMBLY

1. Materials

NOTE: Equivalent substitutes may be used.

A. Sealant -- BMS 5-95 (Optional -- BMS 5-79)

B. Primer -- BMS 10-11, type 1

2. Assembly (Ref IPL Fig. 1, Fig. 2)

A. Shim hook support fitting (Fig. 1, 105A), (Fig. 2, 85) by removing shim (Fig. 1, 85), (Fig. 2, 75) 0.003 inch laminations as required to meet 0.003 max gap prior to pull up. Shim equally both sides. Apply two coats primer (F-20.03) to shims after delamination.

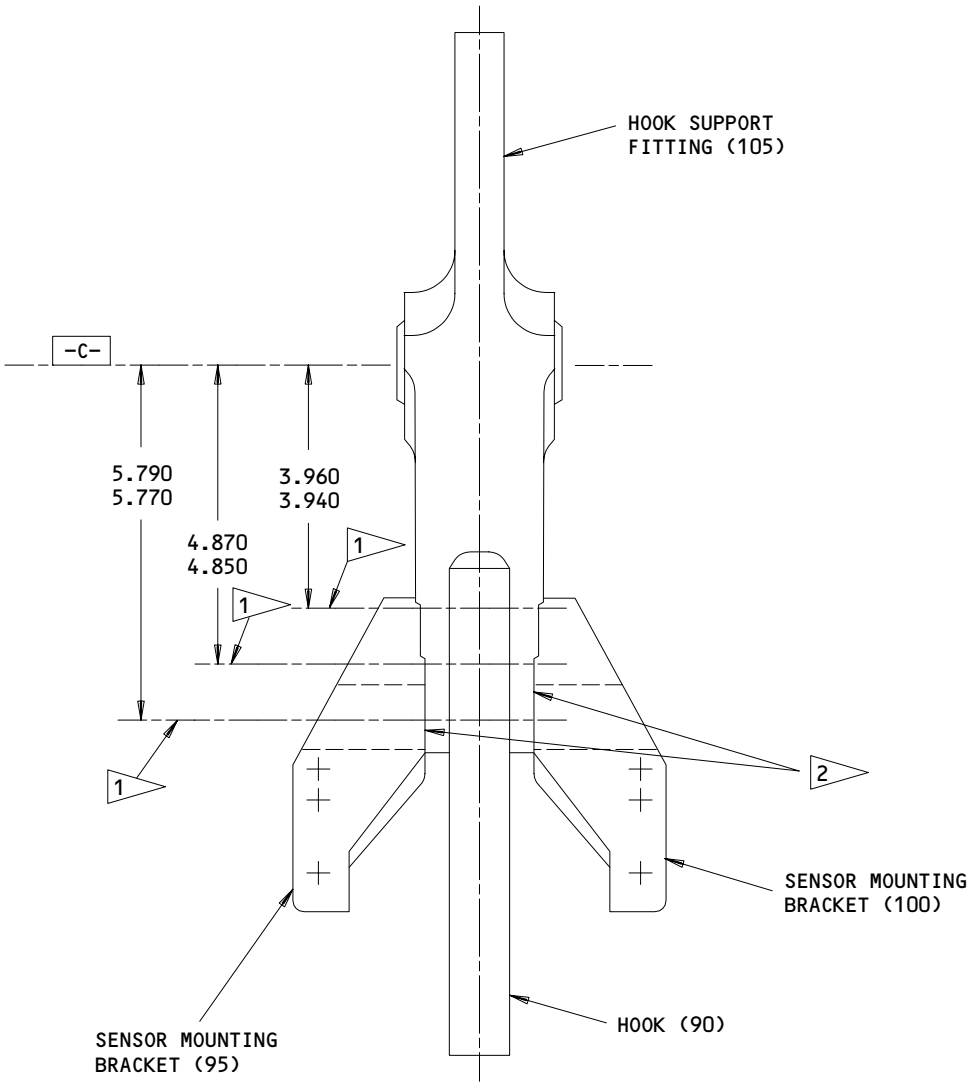
NOTE: Use shims of same thicknesses as noted during disassembly to minimize delamination.

B. Assemble hook fitting (Fig. 1, 90A), (Fig. 2, 80), hook support fitting (Fig. 1, 105A), (Fig. 2, 85) and sensor mounting brackets (Fig. 1, 95B, 100B), (Fig. 2, 65, 70) using bolts (Fig. 1, 25, 45, 65), (Fig. 2, 5, 10, 15), washers (Fig. 1, 30, 35, 50, 55, 70, 75), (Fig. 2, 20, 25, 30, 35, 40, 45), nuts (Fig. 1, 40, 60, 80), (Fig. 2, 50, 55, 60), and sealant per Fig. 701 and 702. Tighten nuts.

C. Shim striker plate (Fig. 1, 5A) retainer (Fig. 1, 23) by removing Shim (Fig. 1, 20) 0.003 inch laminations as required. Maximum allowable gap 0.003 prior to pull up. Shim equally both sides. Apply two coats primer (F-20.03) to shims after delamination.

NOTE: Use shims of same thickness as noted during disassembly to minimize delamination.

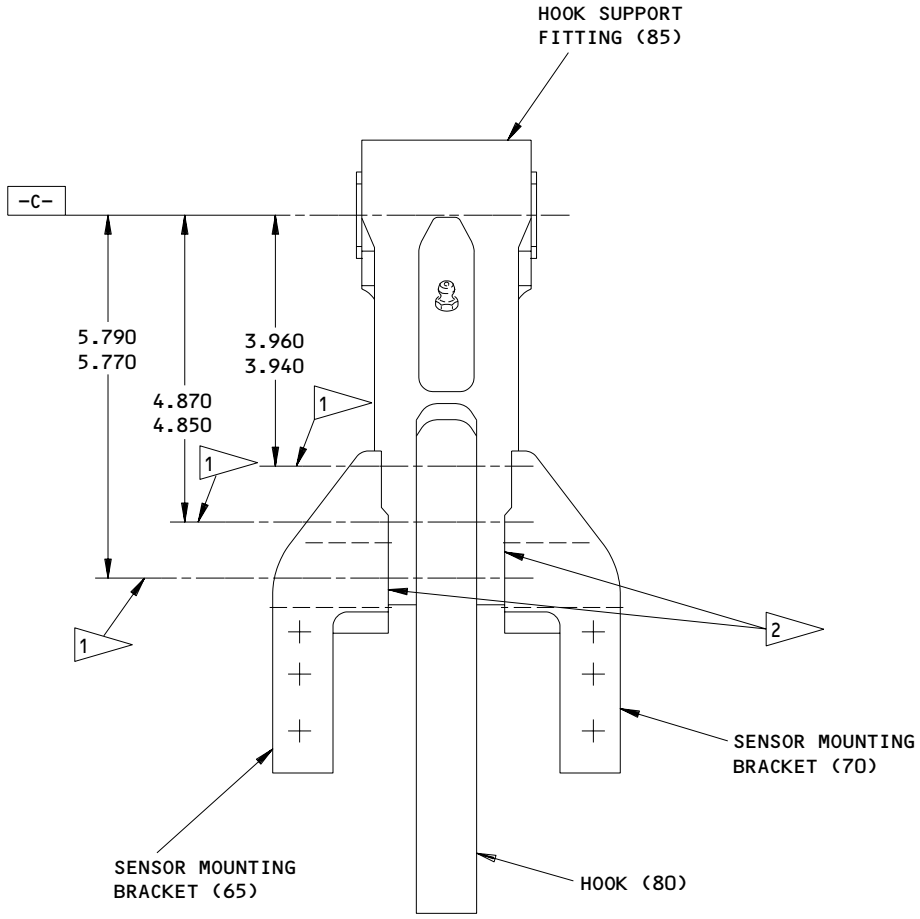
D. Secure striker cap retainer (Fig. 1, 23) with bolts (Fig. 1, 10), collars (Fig. 1, 15) and wet sealant.



1 INSTALL FASTENERS WITH WET SEALANT.

2 SEAL FAYING SURFACES WITH SEALANT

Sealing Details
Figure 701



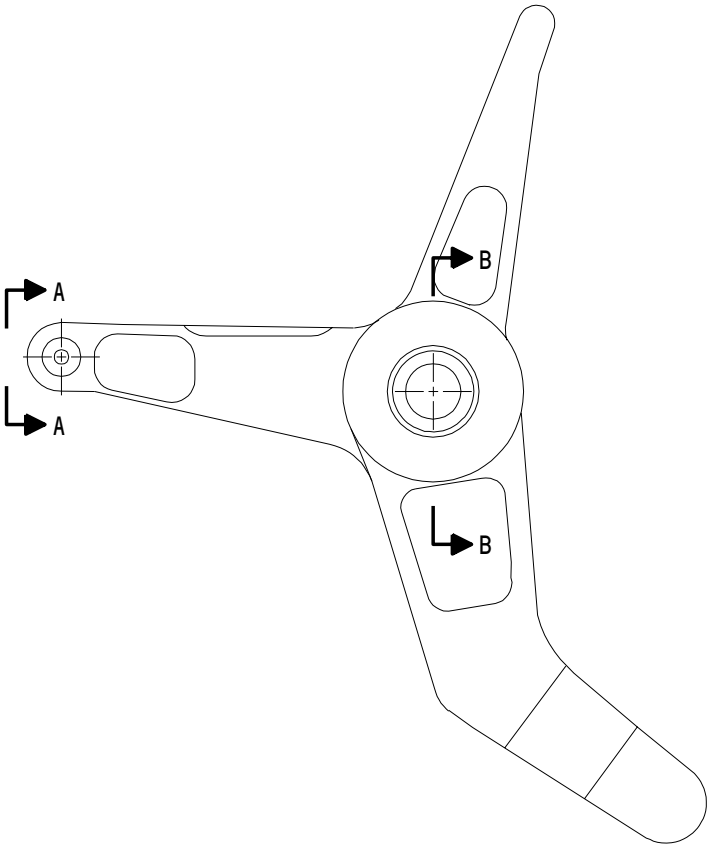
1 INSTALL FASTENERS WITH WET SEALANT.

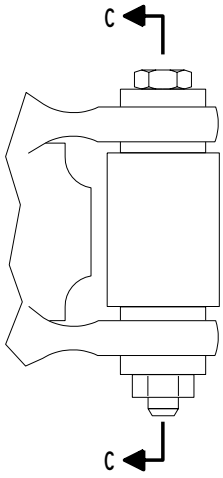
2 SEAL FAYING SURFACES WITH SEALANT

ITEM NUMBERS REFER TO IPL FIG. 2

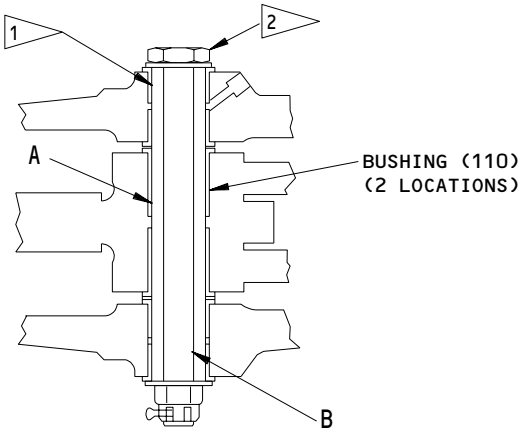
Sealing Details
Figure 702

FITS AND CLEARANCES

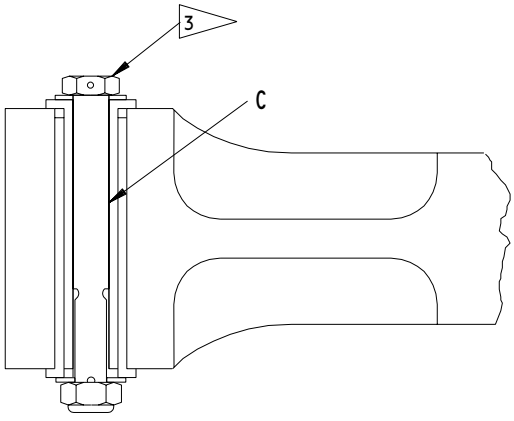




A–A



B–B



C–C

Fits and Clearances
Figure 801 (Sheet 1)

K18337

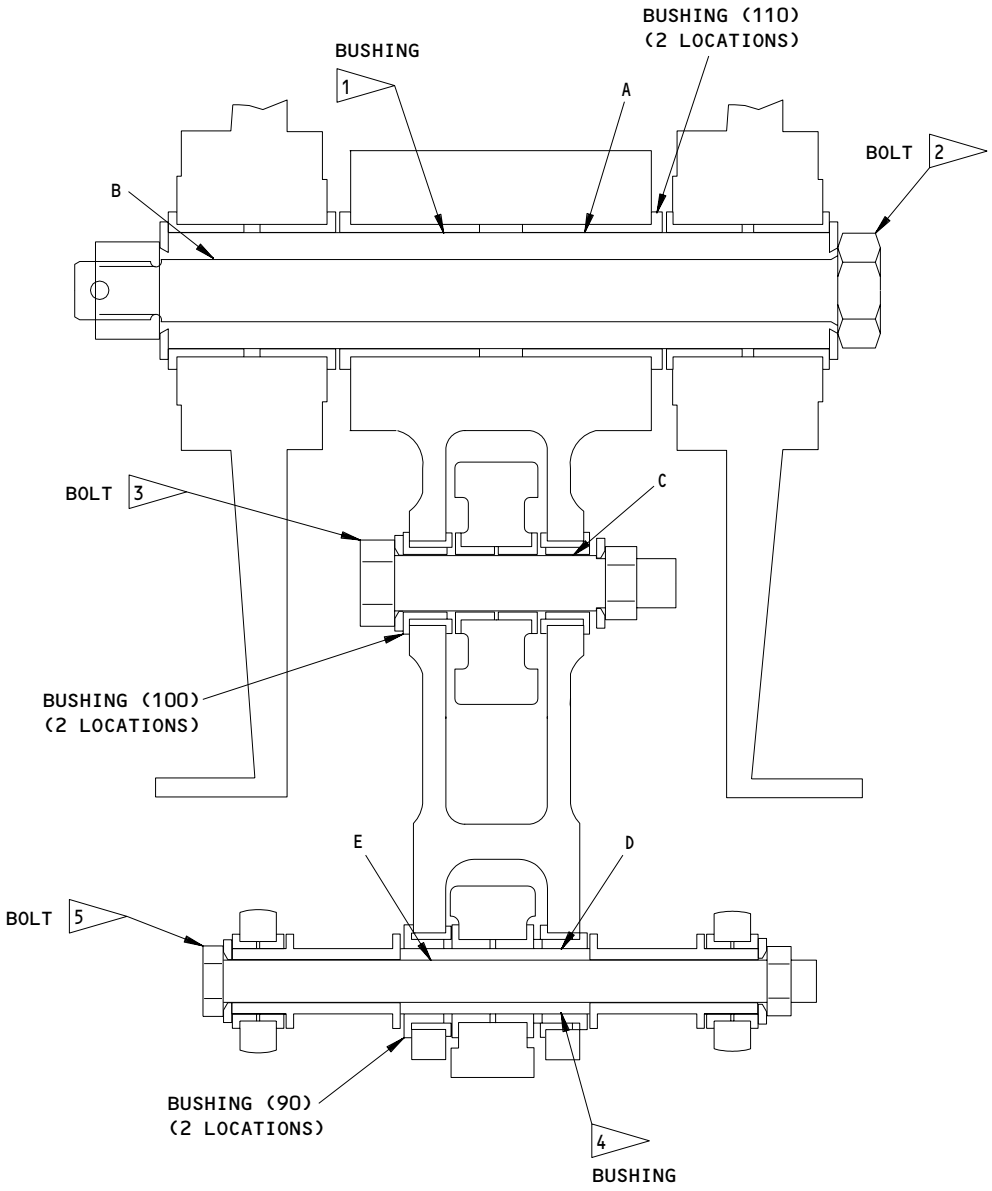
Ref Letter	Mating Item No. IPL Fig.2	Design Dimension*				Service Wear Limit		
		Dimension		Assembly Clearance 4		Dimension		Maximum Clearance
		Min	Max	Min	Max	Min	Max	
A	ID 110	1.0000	1.0007	0.0010	0.0034		1.0040	0.0050
	OD 1	0.9973	0.9990			0.9950		
B	ID 1	0.5560	0.5574	0.0061	0.0090		0.5549	0.0050
	OD 2	0.5484	0.5499			0.5510		
C	ID 120	0.2500	0.2505	-0.0095	0.0020		0.2625	0.0050
	OD 3	0.2485	0.2495			0.2450		

*ALL DIMENSIONS ARE IN INCHES

1 INSTALLATION BUSHING 149T6986-9
2 INSTALLATION BOLT 149T6986-6
3 INSTALLATION BOLT BACB30PW4-40
4 NEGATIVE VALUES DENOTE INTERFERENCE FIT

Fits and Clearances
Figure 801 (Sheet 2)

K18373



Fits and Clearances
Figure 802 (Sheet 1)

Ref Letter	Mating Item No. IPL Fig.2	Design Dimension*				Service Wear Limit		
		Dimension		Assembly Clearance		Dimension		Maximum Clearance
		Min	Max	Min	Max	Min	Max	
A	ID 110	1.0000	1.0007	0.0010	0.0034		1.0040	0.0050
	OD 1	0.9973	0.9990			0.9950		
B	ID 1	0.5560	0.5574	0.0061	0.0090		0.5549	0.0050
	OD 2	0.5484	0.5499			0.5510		
C	ID 100	0.5000	0.5007	0.0005	0.0022			0.0050
	OD 3	0.4985	0.4995			0.4950		
D	ID 90	0.5620	0.5620	0.0005	0.0017		0.5665	0.0050
	OD 4	0.5610	0.5615			0.5570		
E	ID 4	0.3750	0.3755	0.0005	0.0015		0.3795	0.0050
	OD 5	0.3740	0.3745			0.3700		

*ALL DIMENSIONS ARE IN INCHES

1 INSTALLATION BUSHING 149T6986-9

2 INSTALLATION BOLT 149T6986-6

3 INSTALLATION BOLT BACB30PW8CD28

4 INSTALLATION BUSHING BACB28AK06-168

5 INSTALLATION BOLT BACB30LJ6DU74

Fits and Clearances
Figure 802 (Sheet 2)

K18380

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

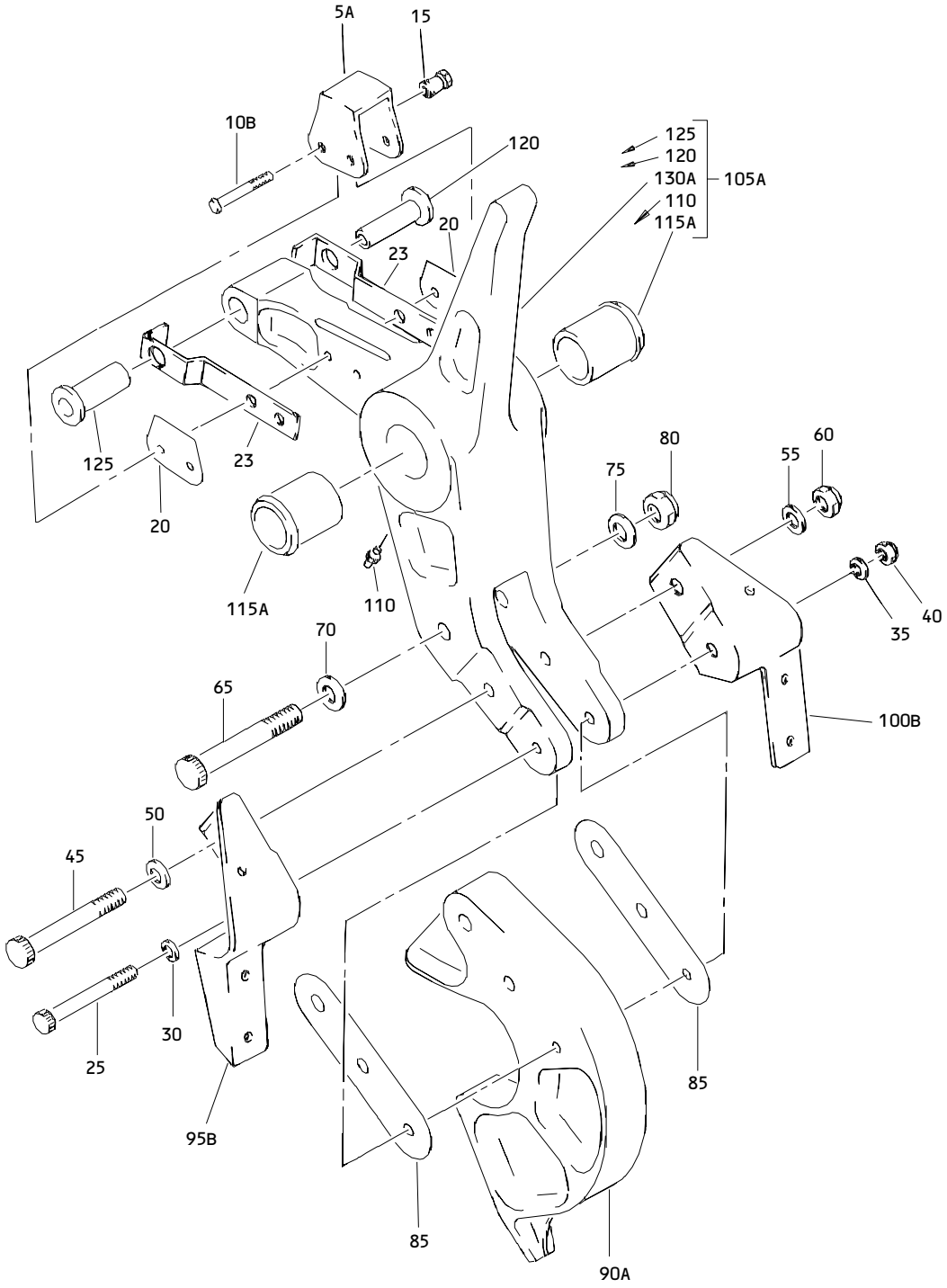
Optional (OPT)	The parts are optional to and interchangeable with other parts having the same item number.
Supersedes, Superseded By (SUPSDS, SUPSD BY)	The part supersedes and is not interchangeable with the original part.
Replaces, Replaced By (REPLS, REPLD BY)	The part replaces and is interchangeable with, or is an alternate to, the original part.

VENDORS

0PTK6	SPS TECHNOLOGIES INC AEROSPACE PRODUCTS DIV 5195 W 4700 SPO BOX 18459 KEARNS, UTAH 84118
08524	DEUTSCH FASTENER CORP SEE CODE V97928
15653	KAYNAR TECHNOLOGY KAYNAR DIV 800 SOUTH STATE COLLEGE BLVD PO BOX 3001 FULLERTON, CALIFORNIA 92634-3001
56878	SPS TECHNOLOGIES INC AEROSPACE AND INDUSTRIAL PRODUCTS DIV HIGHLAND AVENUE JENKINTOWN, PENNSYLVANIA 19046
60516	WEST COAST AEROSPACE INC 812 MIRAFLORES STREET SAN PEDRO, CALIFORNIA 90731-1439
72962	HARVARD INDUSTRIES INC 3 WERNER WAY SUITE 210 LEBANON, NEW JERSEY 08833
73197	HI-SHEAR TECHNOLOGY CORP 2600 SKYPARK DRIVE TORRANCE, CALIFORNIA 90509
92215	FAIRCHILD IND INC FAIRCHILD AEROSPACE FASTENER DIV 3010 W LOMITA BLVD TORRANCE, CALIFORNIA 90505-5102
97928	DEUTSCH FASTENER CORP 3969 PARAMONT BOULEVARD LAKEWOOD, CALIFORNIA 90712-4193

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
BACB28AA15B110		1	115B	2
BACB28AA4B140		1	120	1
BACB28AP06P130		1	125	1
BACB28AT10B028C		2	105	2
BACB28AT11B028C		2	95	2
BACB28AT16B110C		2	110	2
BACB28BB08A032C		2	100	2
BACB28BB09A032C		2	90	2
BACB28W15B110		1	115A	2
BACB30MY6K17		1	10B	2
BACB30NL10-38		1	65	1
BACB30NL6-34		1	25	1
BACB30NL8-37		1	45	1
BACB30UU10K38		2	5	1
BACB30UU6K34		2	15	1
BACB30UU8K37		2	10	1
BACC30M6		1	15	2
BACN10JC10		1	80	1
BACN10JC10CD		2	50	1
BACN10JC6		1	40	1
BACN10JC6CD		2	60	1
BACN10JC8		1	60	1
BACN10JC8CD		2	55	1
BACS40R015B043F		2	75	2
BACS40R15B43F		1	85	2
BACS40R8B16F		1	20	2
BACW10BN10AC		1	70	1
		2	20	1
BACW10BN10AP		1	75	1
		2	25	1
BACW10BN6AC		1	30	1
		2	40	1
BACW10BN6AP		1	35	1
		2	45	1
BACW10BN8AC		1	50	1
		2	30	1
BACW10BN8AP		1	55	1
		2	35	1
BMN4122AD3-10		1	80	1
BMN4122AD3-8		1	60	1
BMN4122CPD8-10		2	50	1
BMN4122CPD8-8		2	55	1
HL10VAZ6-17		1	10B	2
HL79-6		1	15	2
H10-10BAC		1	80	1
H10-8BAC		1	60	1

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
H5165O-10BAC		2	50	1
H5165O-8BAC		2	55	1
MS15001-1		1	110	1
		2	115	1
RMLH9074-10		1	80	1
RMLH9074-8		1	60	1
102LH9074-10		2	50	1
102LH9074-8		2	55	1
149T6817-1		1	105C	1
149T6817-2		1	130C	1
149T6903-7		1	1C	RF
149T6903-8		1	1D	RF
149T6903-9		1	1E	RF
		2	1A	RF
149T6919-2		1	5A	1
149T6923-3		1	105B	1
149T6923-4		1	130B	1
149T6923-5		1	105A	1
149T6923-6		1	130A	1
149T6923-8		2	85	1
149T6923-9		2	120	1
149T6926-2		1	90A	1
149T6926-3		1	90B	1
		2	80	1
149T6993-21		1	23	2
284T0440-10		1	95B	1
		2	65	1
284T0440-9		1	100B	1
		2	70	1
48FT1018		1	80	1
66014-6		1	15	2
69235-1018CD		2	50	1
69235-820CD		2	55	1



Main Landing Gear Door Uplock Assembly
Figure 1

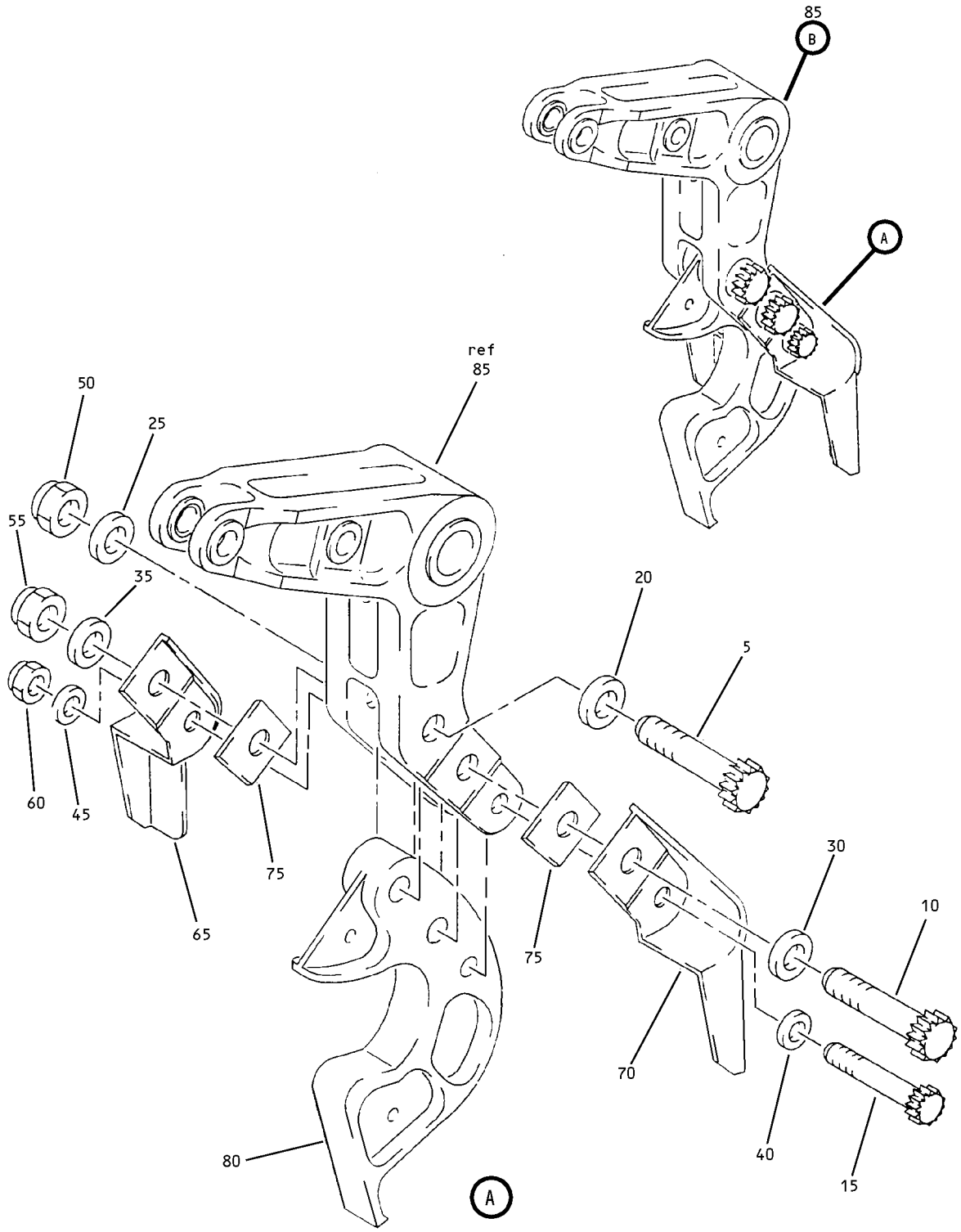
T67808

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	-1	149T6903-1		DELETED		
	-1A	149T6903-2		DELETED		
	-1B	149T6903-3		DELETED		
R	-1C	149T6903-7		UPLOCK ASSY-MLG DOOR	A	RF
R	-1D	149T6903-8		UPLOCK ASSY-MLG DOOR	B	RF
R	-1E	149T6903-9		UPLOCK ASSY-MLG DOOR (FOR DETAILS SEE FIG. 2)	C	RF
	5	149T6919-1		DELETED		
	5A	149T6919-2		.PLATE-STRIKER ATTACHING PARTS	A,B	1
	10	HL10VAZ6-14		DELETED		
	10A	HL10VAZ6-16		DELETED		
R	10B	HL10VAZ6-17		.BOLT- (V60516) (SPEC BACB30MY6K17) (OPT HL10VAZ6-17 (VOPTK6))	A,B	2
R	15	HL79-6		.COLLAR- (V56878) (SPEC BACC30M6) (OPT HL79-6 (V73197)) (OPT HL79-6 (V92215)) (OPT 66014-6 (V56878))	A,B	2
	20	BACS40R8B16F		.SHIM -------*-------	A,B	2
R	23	149T6993-21		.RETAINER	A,B	2
R	25	BACB30NL6-34		.BOLT	A,B	1
R	30	BACW10BN6AC		.WASHER	A,B	1
R	35	BACW10BN6AP		.WASHER	A,B	1
R	40	BACN10JC6		.NUT	A,B	1
R	45	BACB30NL8-37		.BOLT	A,B	1
R	50	BACW10BN8AC		.WASHER	A,B	1
R	55	BACW10BN8AP		.WASHER	A,B	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	60	H10-8BAC		.NUT- (V15653) (SPEC BACN10JC8) (OPT RMLH9074-8 (V72962)) (OPT BMN4122AD3-8 (V08524)) (OPT RMLH9074-8 (V72962)) (OPT BMN4122AD3-8 (V97928))	A,B	1
R	65	BACB30NL10-38		.BOLT	A,B	1
R	70	BACW10BN10AC		.WASHER	A,B	1
R	75	BACW10BN10AP		.WASHER	A,B	1
R	80	BMN4122AD3-10		.NUT- (V97928) (SPEC BACN10JC10) (OPT H10-10BAC (V15653)) (OPT RMLH9074-10 (V72962)) (OPT 48FT1018 (V56878)) (OPT RMLH9074-10 (V72962))	A,B	1
	85	BACS40R15B43F		.SHIM	A,B	2
	90	149T6926-1		DELETED		
R	90A	149T6926-2		.FITTING-HOOK (OPT ITEM 90B)	A,B	1
R	-90B	149T6926-3		.FITTING-HOOK (OPT ITEM 90A)	A,B	1
	95	284T0440-1		DELETED		
	95A	284T0440-5		DELETED		
R	95B	284T0440-10		.BRACKET-SENSOR MTG	A,B	1
	100	284T0440-2		DELETED		
	100A	284T0440-6		DELETED		
R	100B	284T0440-9		.BRACKET-SENSOR MTG	A,B	1
	105	149T6923-1		DELETED		
	105A	149T6923-5		.FITTING ASSY-HOOK SPRT	A	1
	-105B	149T6923-3		.FITTING ASSY-HOOK SPRT (OPT ITEM 105C)	B	1
R	-105C	149T6817-1		.FITTING ASSY-HOOK SPRT (OPT ITEM 105B)	B	1
R	110	MS15001-1		..FITTING	A,B	1
	115	BACB28AA15B110		DELETED		

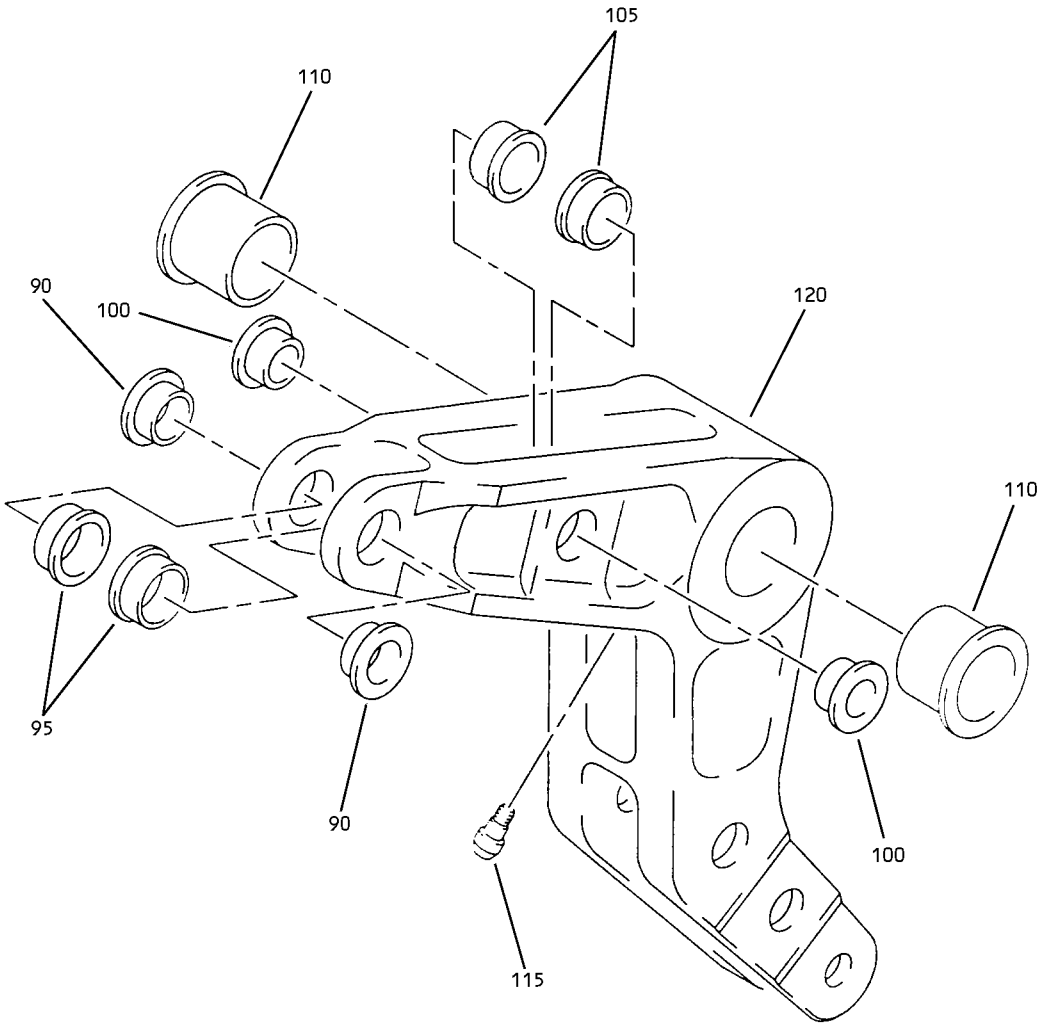
	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	115A	BACB28W15B110		..BUSHING- (OPT ITEM 115B)	A,B	2
R	-115B	BACB28AA15B110		..BUSHING- (OPT ITEM 115A)	A,B	2
R	120	BACB28AA4B140		..BUSHING	A,B	1
R	125	BACB28AP06P130		..BUSHING	A,B	1
	130	149T6923-2		DELETED		
	130A	149T6923-6		..FITTING-HOOK SPRT	A	1
	-130B	149T6923-4		..FITTING-HOOK SPRT (USED ON ITEM 105B)	B	1
R	-130C	149T6817-2		..FITTING-HOOK SPRT (USED ON ITEM 105C)	B	1

- Item Not Illustrated



Main Landing Gear Door Uplock Assembly
Figure 2 (Sheet 1)

H96626



Main Landing Gear Door Uplock Assembly
Figure 2 (Sheet 2)

H96641

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	02-					
R	-1A	149T6903-9		UPLOCK ASSY-MLG DOOR	C	RF
R	5	BACB30UU10K38		.BOLT	C	1
R	10	BACB30UU8K37		.BOLT	C	1
R	15	BACB30UU6K34		.BOLT	C	1
R	20	BACW10BN10AC		.WASHER	C	1
R	25	BACW10BN10AP		.WASHER	C	1
R	30	BACW10BN8AC		.WASHER	C	1
R	35	BACW10BN8AP		.WASHER	C	1
R	40	BACW10BN6AC		.WASHER	C	1
R	45	BACW10BN6AP		.WASHER	C	1
R	50	102LH9074-10		.NUT- (V72962) (SPEC BACN10JC10CD) (OPT H51650-10BAC (V15653)) (OPT 69235-1018CD (V92215)) (OPT BMN4122CPD8-10 (V97928))	C	1
R	55	H51650-8BAC		.NUT- (V15653) (SPEC BACN10JC8CD) (OPT 102LH9074-8 (V72962)) (OPT 69235-820CD (V92215)) (OPT BMN4122CPD8-8 (V97928))	C	1
R	60	BACN10JC6CD		.NUT	C	1
R	65	284T0440-10		.BRACKET-SENSOR	C	1
R	70	284T0440-9		.BRACKET-SENSOR	C	1
R	75	BACS40R015B043F		.SHIM	C	2
R	80	149T6926-3		.FITTING-HOOK	C	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	02-					
R	85	149T6923-8		.FITTING ASSY-HOOK SPRT	C	1
R	90	BACB28BB09A032C		..BUSHING	C	2
R	95	BACB28AT11B028C		..BUSHING	C	2
R	100	BACB28BB08A032C		..BUSHING	C	2
R	105	BACB28AT10B028C		..BUSHING	C	2
R	110	BACB28AT16B110C		..BUSHING	C	2
R	115	MS15001-1		..FITTING	C	1
R	120	149T6923-9		..FITTING	C	1

- Item Not Illustrated