

 **BOEING**  
COMPONENT  
MAINTENANCE MANUAL

TO: ALL HOLDERS OF INBOARD TRAILING EDGE FLAP ASSEMBLY COMPONENT MAINTENANCE  
MANUAL 57-53-21

REVISION NO. 14 DATED JUL 01/03

HIGHLIGHTS

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

CHAPTER/SECTION

AND PAGE NO.

DESCRIPTION OF CHANGE

TITLE PAGE

Added flap assemblies 113T2101-57SP thru -80SP, -403G, -404G, -405SP thru -412SP.

1

TR & SB RECORD

1

REPAIR-GEN

601

REPAIR 1-1

603-604

REPAIR 3-1

601-602

REPAIR 4-1

601-602

REPAIR 5-1

601-605

703-704,710

803-807

1003-1013,1015-1047

705-708

Edited without technical change.

801-802

**57-53-21**

HIGHLIGHTS

01.1

Page 1

Jul 01/03

## INBOARD TRAILING EDGE FLAP ASSEMBLY

PART NUMBERS 113T2101-1,-2,-7 THRU -14,-17  
THRU -42,-47,-48,-49SP  
THRU -54SP,-57SP THRU  
-80SP,-401SP,-402SP,  
-403G,-404G,-405SP  
THRU -412SP

COMPONENT MAINTENANCE MANUAL  
WITH  
ILLUSTRATED PARTS LIST

**57-53-21**

TITLE PAGE

Page 1

Jul 01/03

01.1



REVISION RECORD

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

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

**57-53-21**

REVISION RECORD

01

Page 1

Jul 10/83



TEMPORARY REVISION AND SERVICE BULLETIN RECORD

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVE	DATE OF INCORPORATION INTO MANUAL
27-0080R1		PRR B11382-3 PRR B11816 MC0220MP6016 PRR B11528-2 PRR B11528-3 MC 0220MK6016 MC 1110MP6165 PRR B13100-2 PRR B12900-149 MC 1110MP6141 PRR B12901-9S	JAN 01/90 JAN 01/90 JAN 01/91 JAN 01/91 JAN 01/91 JUL 01/91 JUL 01/98 JUL 01/98 NOV 01/99 NOV 01/99 JUL 01/03

57-53-21

TR & SB RECORD

01.1

Page 1

Jul 01/03


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

PAGE	DATE	CODE	PAGE	DATE	CODE
57-53-21			REPAIR 1-1		
			601	NOV 01/99	01.1
			602	JUL 01/98	01.1
TITLE PAGE			*603	JUL 01/03	01.1
*1	JUL 01/03	01.1	*604	JUL 01/03	01.1
2	BLANK		REPAIR 2-1		
REVISION RECORD			601	JUL 01/98	01.1
1	JUL 10/83	01	602	JUL 01/98	01.1
2	BLANK		REPAIR 3-1		
TR & SB RECORD			*601	JUL 01/03	01.1
*1	JUL 01/03	01.1	*602	JUL 01/03	01.1
2	BLANK		REPAIR 4-1		
LIST OF EFFECTIVE PAGES			*601	JUL 01/03	01.1
*1	JUL 01/03	01	*602	JUL 01/03	01.1
THRU LAST PAGE			REPAIR 5-1		
CONTENTS			*601	JUL 01/03	01.1
1	JUL 01/98	01.1	*602	JUL 01/03	01.1
2	BLANK		*603	JUL 01/03	01.1
INTRODUCTION			*604	JUL 01/03	01.1
1	JAN 01/90	01.1	*605	JUL 01/03	01.1
2	BLANK		*606	BLANK	
DESCRIPTION & OPERATION			ASSEMBLY		
1	JUL 01/98	01.1	701	NOV 01/99	01.1
2	BLANK		702	NOV 01/99	01.1
DISASSEMBLY			*703	JUL 01/03	01.1
301	JUL 01/98	01.1	*704	JUL 01/03	01.1
302	BLANK		*705	JUL 01/03	01.1
CHECK			*706	JUL 01/03	01.1
501	JUL 01/98	01.1	*707	JUL 01/03	01.1
502	BLANK		*708	JUL 01/03	01.1
REPAIR-GENERAL			*709	JUL 01/03	01.101
*601	JUL 01/03	01.1	*710	JUL 01/03	01.1
602	JUL 01/98	01.1	FITS AND CLEARANCES		
			*801	JUL 01/03	01.1
			*802	JUL 01/03	01.1
			*803	JUL 01/03	01.1
			*804	JUL 01/03	01.1

\* = REVISED, ADDED OR DELETED

57-53-21

EFFECTIVE PAGES  
CONTINUED Page 1  
01 Jul 01/03

PAGE	DATE	CODE	PAGE	DATE	CODE
FITS AND CLEARANCES			ILLUSTRATED PARTS LIST		
		CONT.			CONT.
*805	JUL 01/03	01.1	*1037	JUL 01/03	01.1
*806	JUL 01/03	01.1	*1038	JUL 01/03	01.1
*807	JUL 01/03	01.1	*1039	JUL 01/03	01.1
*808	BLANK		*1040	JUL 01/03	01.1
ILLUSTRATED PARTS LIST			*1041	JUL 01/03	01.1
1001	JUL 10/83	01	*1042	JUL 01/03	01.1
1002	NOV 01/99	01.1	*1043	JUL 01/03	01.1
*1003	JUL 01/03	01.1	*1044	JUL 01/03	01.1
*1004	JUL 01/03	01.1	*1045	JUL 01/03	01.1
*1005	JUL 01/03	01.1	*1046	JUL 01/03	01.1
*1006	JUL 01/03	01.1	*1047	JUL 01/03	01.1
*1007	JUL 01/03	01.1	*1048	BLANK	
*1008	JUL 01/03	01.1			
*1009	JUL 01/03	01.1			
*1010	JUL 01/03	01.1			
*1011	JUL 01/03	01.1			
*1012	JUL 01/03	01.1			
*1013	JUL 01/03	01.1			
*1014	BLANK				
*1015	JUL 01/03	01.1			
*1016	JUL 01/03	01.1			
*1017	JUL 01/03	01.1			
*1018	JUL 01/03	01.1			
*1019	JUL 01/03	01.1			
*1020	JUL 01/03	01.1			
*1021	JUL 01/03	01.1			
*1022	JUL 01/03	01.1			
*1023	JUL 01/03	01.1			
*1024	JUL 01/03	01.1			
*1025	JUL 01/03	01.1			
*1026	JUL 01/03	01.1			
*1027	JUL 01/03	01.1			
*1028	JUL 01/03	01.1			
*1029	JUL 01/03	01.1			
*1030	JUL 01/03	01.1			
*1031	JUL 01/03	01.1			
*1032	JUL 01/03	01.1			
*1033	JUL 01/03	01.1			
*1034	JUL 01/03	01.1			
*1035	JUL 01/03	01.1			
*1036	JUL 01/03	01.1			

\* = REVISED, ADDED OR DELETED

# 57-53-21

EFFECTIVE PAGES  
 LAST PAGE Page 2  
 01 Jul 01/03



TABLE OF CONTENTS

<u>Paragraph Title</u>	<u>Page</u>
Description and Operation. . . . .	1
Testing and Trouble Shooting (Not applicable)	
Disassembly. . . . .	301
Cleaning . . . . . * [1]	
Check. . . . .	501
Repair . . . . .	601
Assembly . . . . .	701
Fits and Clearances. . . . .	801
Special Tools (Not applicable)	
Illustrated Parts List . . . . .	1001

\* [1] Special instructions are not required. Use standard industry practices and the instructions in SOPM 20-30-03.

**57-53-21**

CONTENTS

Page 1

Jul 01/98

01.1



## 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 &<br>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.

Verification:

| Assembly: MAR 17/82

**57-53-21**

INTRODUCTION

01.1

Page 1

Jan 01/90





INBOARD TRAILING EDGE FLAP ASSEMBLY

DESCRIPTION AND OPERATION

1. Description and Operation

- A. The inboard trailing edge flap assembly includes the main flap assembly, the aft flap assembly, and the components which connect these two flaps. The inboard trailing edge flap assembly increases lift during the slow speeds of takeoff and landing.

2. Leading Particulars (approximate)

- A. Length -- 212 inches
- B. Width -- 65 inches
- C. Height -- 22 inches
- D. Weight -- 534 pounds

57-53-21

DESCRIPTION & OPERATION

01.1

Page 1

Jul 01/98



DISASSEMBLY

**NOTE:** Disassemble this component only as necessary to isolate faults, find the serviceability of parts, do the repairs, and put the unit back in a serviceable condition.

1. Use standard industry practices to disassemble this component.

**57-53-21**

DISASSEMBLY

01.1

Page 301

Jul 01/98



CHECK

- | 1. Visually examine all parts for defects by standard industry practices. Refer to FITS AND CLEARANCES for design dimensions and wear limits. Refer to IPL Fig. 1 for item numbers. Do the magnetic particle and penetrant checks only if the visual check finds possible defects.
- | 2. Magnetic particle check per SOPM 20-20-01 -- bushing (140), bolt (130).
- | 3. Penetrant check per SOPM 20-20-02 -- plug (10).

57-53-21

CHECK

01.1

Page 501

Jul 01/98

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>
--	MISCELLANEOUS PARTS REFINISH	1-1
113T2108	BOLT	2-1
113T1249	ROD ASSEMBLY	3-1
113T1248	CRANK ASSEMBLY	4-1
113T1250	CAM ASSEMBLY	5-1

2. Standard Practices

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

20-00-00 Introduction  
 20-10-01 Repair and Refinish of High Strength Steel Parts  
 20-10-04 Grinding of Chrome Plated Parts  
 20-30-03 General Cleaning Procedures  
 20-41-01 Decoding Table for Boeing Finish Codes  
 20-42-03 Hard Chrome Plating  
 20-42-05 Bright Cadmium Plating  
 20-44-01 Application of Abrasion Resistant Finishes  
 20-60-02 Finishing Materials

3. Materials

NOTE: Equivalent substitutes can be used.

- A. Coating, teflon filled -- BMS 10-86, type 1 or type 2, color gray  
(Ref SOPM 20-60-02)
- B. Enamel -- BMS 10-60, type 2, BAC707 gray gloss (Ref SOPM 20-60-02)
- C. Primer (Ref SOPM 20-60-02)
- (1) BMS 10-11, type 1
- (2) BMS 10-79, type 2

57-53-21

REPAIR-GENERAL

01.1

Page 601

Jul 01/03

**4. Dimensioning Symbols**

- A. Standard True Position Dimensioning Symbols used in applicable repair procedures are shown in SOPM 20-00-00.

**57-53-21**

REPAIR-GENERAL

01.1

Page 602

Jul 01/98


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

MISCELLANEOUS PARTS REFINISH – REPAIR 1-1

1. Repair of these parts is only replacement of the original finish. Refer to REPAIR-GENERAL for a list of applicable standard practices.

IPL FIG. & ITEM	MATERIAL	FINISH
<u>Fig. 1</u>		
Bushing (140)	15-5PH CRES, 180-200 ksi	See Fig. 602.
Washers (110,150)	15-5PH CRES, 180-200 ksi	Cadmium plate and apply BMS 10-11, type 1 primer (F-16.01) but no primer on threads.
Plug (10)	Al alloy	Chemical treat and apply BMS 10-11, type 1 primer (F-18.06), and BMS 10-60, BAC707 gray gloss enamel (SRF-14.9813) all over.
Flap assembly (1C,5C)		See Fig. 603.

Refinish Details  
Figure 601

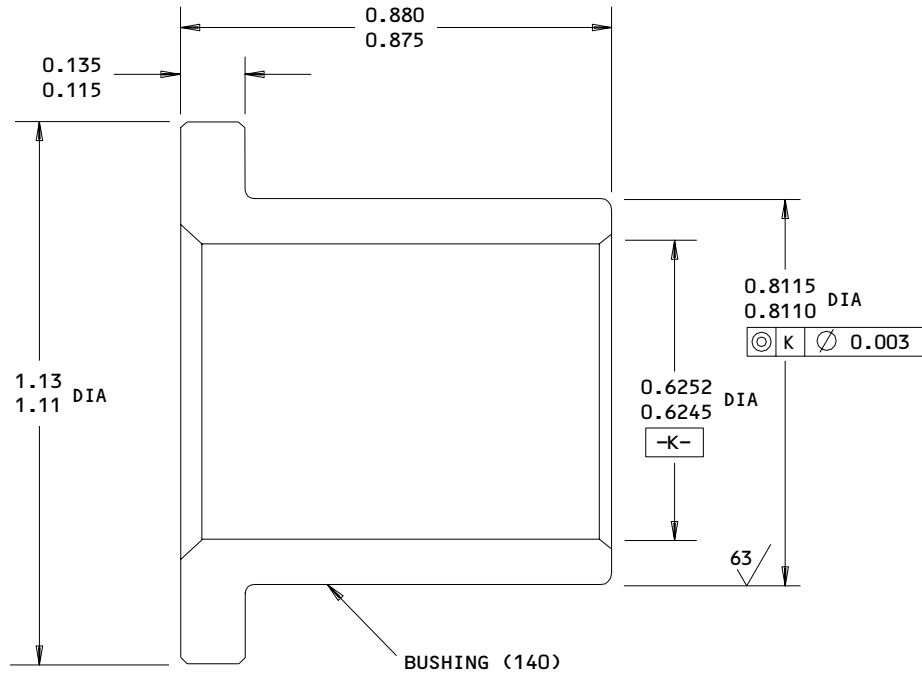
**57-53-21**

REPAIR 1-1

01.1

Page 601

Nov 01/99



**REFINISH**

CADMIUM PLATE (F-15.06)

**REPAIR**

(SAME AS REFINISH)

125/ ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

MATERIAL: 15-5PH CRES, 180-200 KSI

ALL DIMENSIONS ARE IN INCHES

113T2104-23  
 Bushing Refinish  
 Figure 602

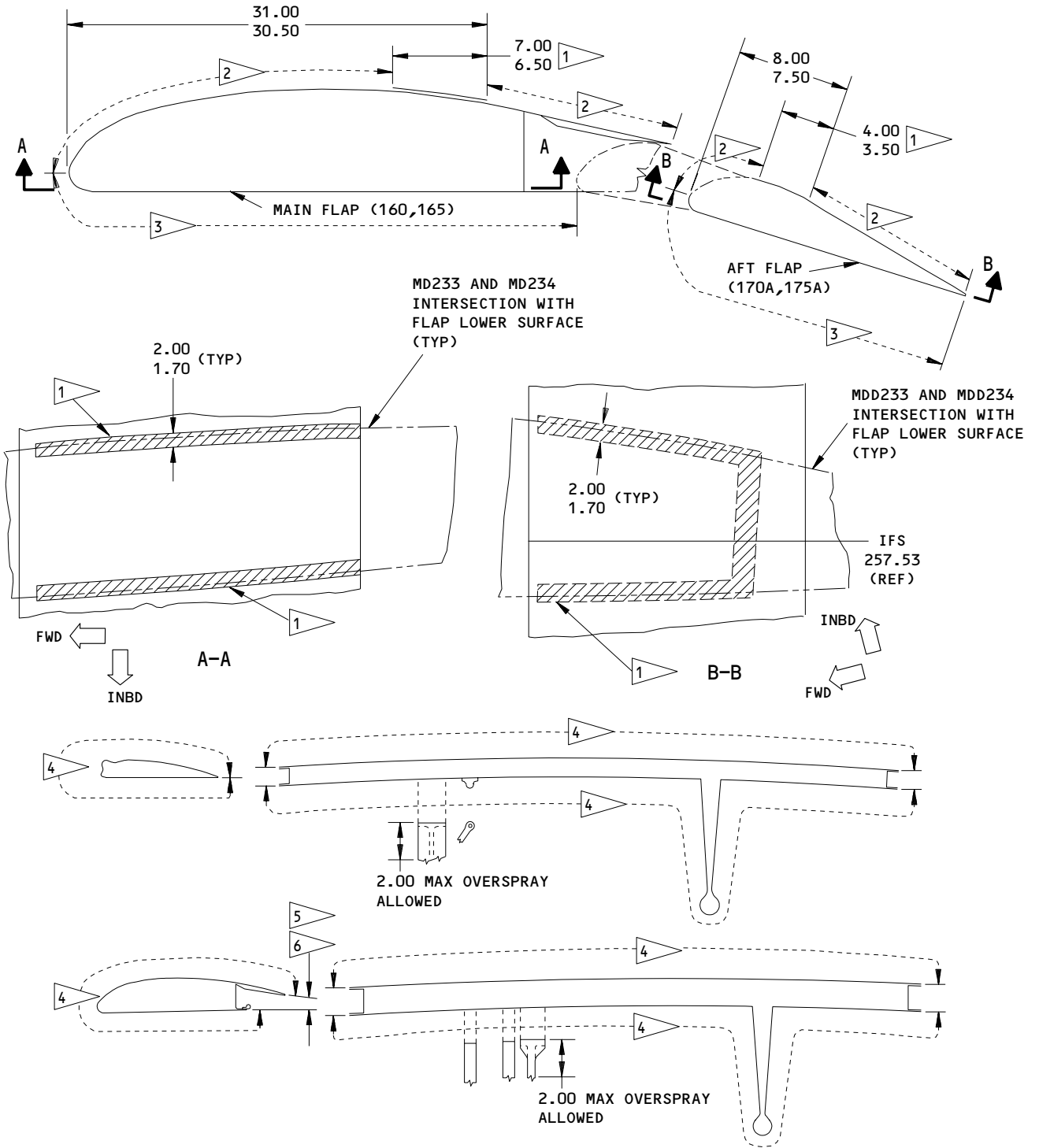
**57-53-21**

REPAIR 1-1

Page 602

Jul 01/98

01.1



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

Flap Refinish  
Figure 603 (Sheet 1)

**57-53-21**

REPAIR 1-1

Page 603

Jul 01/03

01.1



REFINISH

APPLY PRIMER, ENAMEL AND TEFLON COATING IN THE AREAS SHOWN BY 1 THROUGH 5

1 IN THIS ZONE ALL ALONG THE FLAP, APPLY TEFLON COATING, NOT BMS 10-60 ENAMEL, AS INDICATED:

- FLAPS 113T2101-9,-10,-19,-20: APPLY BMS 10-86, TYPE 1, COLOR WHITE, TYPE 27 TEFLON COATING (SRF-14.9624)
- ALL OTHER FLAPS: APPLY BMS, TYPE 1, COLOR GREY, TYPE 27 TEFLON COATING (SRF-14.9625)

2 ON FLAP ASSEMBLIES 113T2101 -33 THRU -38, -41,-42: APPLY BMS 10-60, TYPE 2 GLOSS ENAMEL (F-19.39-7945) (DESOTO 1000 SYSTEM ONLY) TO THE UPPER EXTERIOR SURFACE UNLESS SHOWN DIFFERENTLY

3 ON FLAP ASSEMBLIES 113T2101 -33 THRU -38, -41,-42: APPLY BMS 10-60, TYPE 2 GLOSS ENAMEL (F-19.39-708) (DESOTO 1000 SYSTEM ONLY) TO THE LOWER EXTERIOR SURFACE UNLESS SHOWN DIFFERENTLY

4 ON ALL FLAP ASSEMBLIES BUT 113T2101-33 THRU -38,-41,-42: APPLY ONE COAT OF BMS 10-60, TYPE 2 ENAMEL, OPERATOR CHOICE OF COLOR (F-19.39-XXX) BUT NOT ON SEALS, BEARINGS, OR AREAS TO GET TEFLON COATING

5 ON FLAP ASSEMBLIES 113T2101-1,-2,-7 THRU -14,-17 THRU -42,-47,-48,-49SP THRU -54SP,-57SP THRU -72SP,-401SP,-402SP,-403G,-404G,-405SP THRU -408SP. APPLY BMS 10-11, TYPE 1 YELLOW PRIMER (SRF-14.995), THEN APPLY BMS 10-60, TYPE 2 GLOSS ENAMEL (F-19.39-707) ALONG THE FULL LENGTH OF SPAR EXCEPT REMOVABLE PARTS WHICH ARE FINISHED BEFORE FINAL ASSEMBLY. TOUCH UP PARTS BY BRUSH WITH BMS 10-60, TYPE 2 ENAMEL ON ALL UNCOVERED METALLIC SURFACES INSIDE THE COVE AREA.

6 ON FLAP ASSEMBLIES 113T2101-73SP THRU -80SP AND -409SP THRU -412SP. APPLY BMS 10-79, TYPE 2 PRIMER (F-19.46), THEN APPLY BMS 10-60, (F-19.39-707) ALONG THE FULL LENGTH OF SPAR EXCEPT REMOVABLE PARTS WHICH ARE FINISHED BEFORE FINAL ASSEMBLY. TOUCH UP PARTS BY BRUSH WITH BMS 10-60, TYPE 2 ENAMEL ON ALL UNCOVERED METALLIC SURFACES INSIDE THE COVE AREA.

Flap Refinish  
Figure 603 (Sheet 2)

**57-53-21**

REPAIR 1-1

Page 604

Jul 01/03

01.1

BOLT ASSEMBLY – REPAIR 2-1

113T2108-1

NOTE: Refer to REPAIR-GENERAL for a list of applicable standard practices. For repair of surfaces which is only replacement of the original finish, refer to Refinish instructions, Fig. 601.

1. Shank Bolt (130) – Diameter A (Fig. 601).

- A. Machine as required, within repair limits, to remove defects.
- B. Magnetic particle examine to make sure you removed all the defects.
- C. Build up with chrome plate. Grind to design dimensions and finish.

2. Lube Fitting (125) Replacement (Fig. 601)

- A. Remove the old lube fitting.
- B. Make sure the lube passage is clear.
- C. Install a replacement lube fitting with MIL-G-23827 grease.

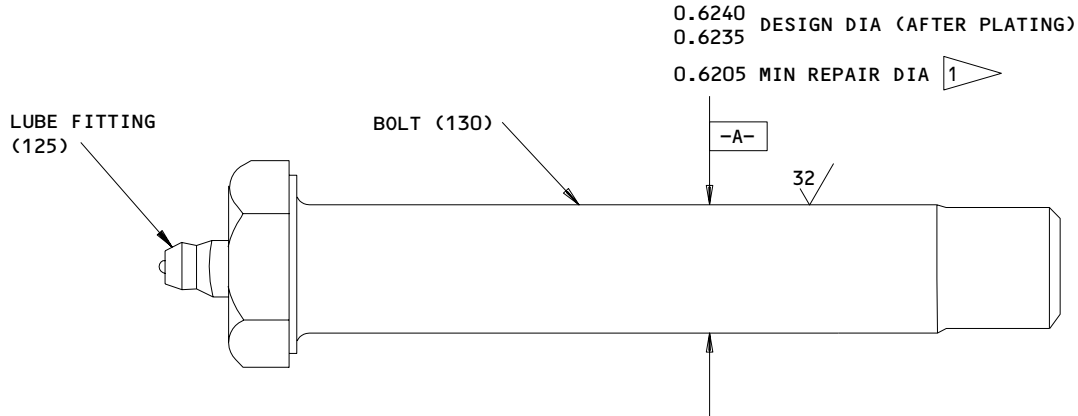
**57-53-21**

REPAIR 2-1

01.1

Page 601

Jul 01/98



**REFINISH**

CADMIUM PLATE (F-15.02)

1 LIMIT FOR BUILDUP WITH CHROME PLATE AND GRINDING TO DESIGN DIMENSIONS AND FINISH

**REPAIR**

REF 1

125 ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

MATERIAL: 15-5PH CRES, 180-200 KSI

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

113T2108-1  
 Bolt Repair and Refinish  
 Figure 601

**57-53-21**

REPAIR 2-1

Page 602

Jul 01/98

01.1

ROD ASSEMBLY – REPAIR 3-1

113T1249-1, -2, -5, -6

**1. General**

- A. This procedure has the data necessary to remove and replace bearings (235) and refinish the rod assembly (215, 220).
- B. Refer to REPAIR-GENERAL for a list of applicable standard practices.
- C. Refer to IPL Fig. 1 for item numbers.

**2. Bearing (235) Replacement**

- A. Remove the bearings (235) from the rod assembly (215, 220).
- B. Remove the washers (230) and the nuts (225) from the bearing (235).
- C. Apply MIL-C-16173 corrosion preventive compound (F-19.05) to the threads of the bearing (235) and the tube (240, 245).
- D. Install the washers (230) and the nuts (225) on the new bearings (235).
- E. Install the new bearings (235) in the rod assembly (215, 220) to the dimension shown in Fig. 601.
- F. Tighten the nut (225).

**3. Refinish**

- A. Tube (240, 245) – Descale per SOPM 20-30-03, Type 2, Class 1 or 2 and passivate (F-17.25) all over. Apply BMS 10-11, Type 1 primer (F-20.02) and apply BMS 10-60 enamel (F-14.9813) to the surfaces shown in Fig. 601. Make sure that the drain and witness holes are not filled with paint and primer. Cadmium plate (F-15.02) the surfaces shown in Fig. 601.

**NOTE:** Cad plate (F-15.02) on other internal and external areas of the tube is optional.

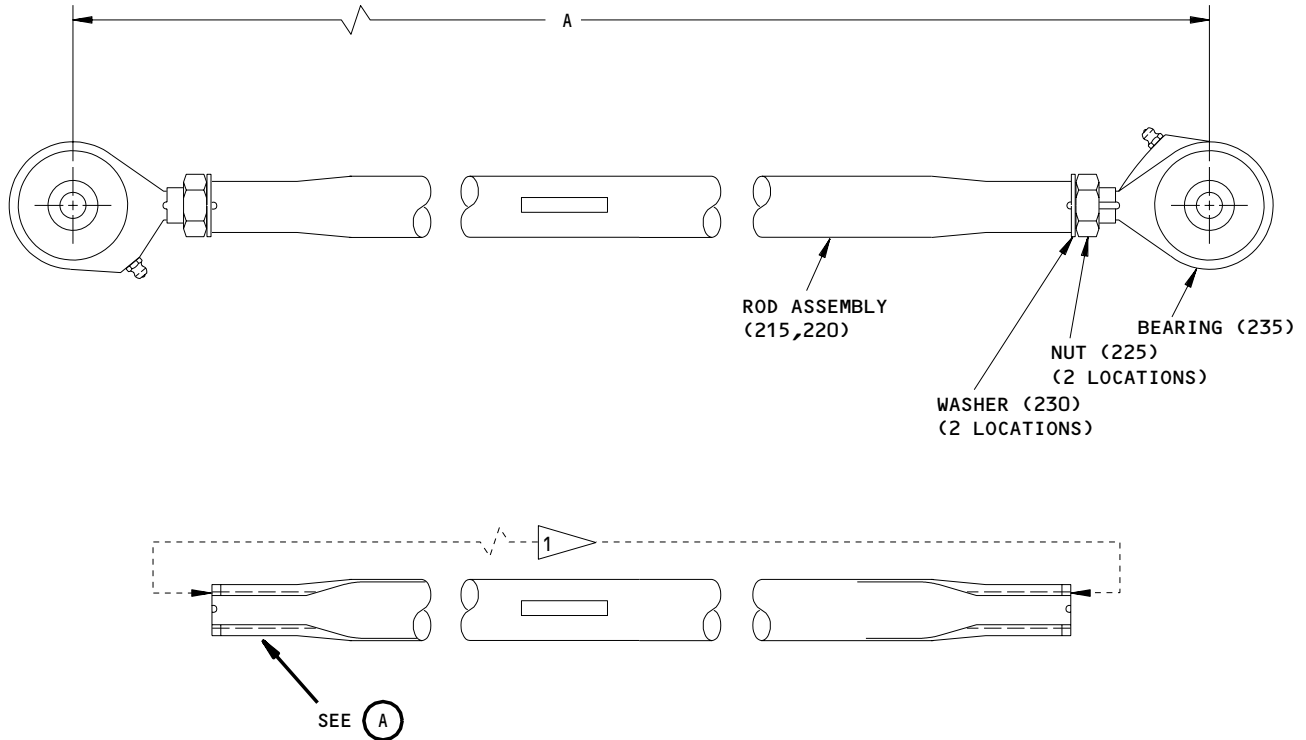
**57-53-21**

REPAIR 3-1

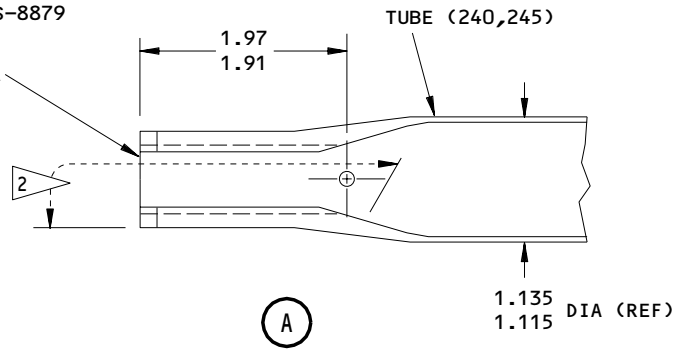
01.1

Page 601

Jul 01/03



0.6250-18-UNJF-3B (REF)  
 THREAD PER MIL-S-8879  
 COUNTERSINK  
 120° X 0.670  
 90° X 0.640 DIA



ITEM NUMBER	DIMENSION A
215	28.93 28.91
215A	27.94 27.92
220	14.99 14.97
220A	14.62 14.60

- 1 APPLY PRIMER (F-20.02) AND ENAMEL (F-14.9813) ON THIS SURFACE
- 2 APPLY CADMIUM PLATE (F-15.02) TO THIS SURFACE

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

113T1249-1,-2,-5,-6  
 Rod Assembly  
 Figure 601

**57-53-21**

REPAIR 3-1

01.1

Page 602

Jul 01/03

CRANK ASSEMBLY – REPAIR 4-1

113T1248-15, 17

**1. General**

- A. This procedure has the data necessary to remove and replace bushings (305, 310, 315) and refinish the crank assembly (300).
- B. Refer to REPAIR-GENERAL for a list of applicable standard practices.
- C. Refer to IPL Fig. 1 for item numbers.

**2. Bushing (305, 310, 315) Replacement**

- A. Remove the bushings from the crank assembly (300).
- B. Install the new bushings (305, 310, 315) in the crank assembly (300) with BMS 5-95 sealant per SOPM 20-50-03.
- C. Machine the bushings as shown in Fig. 601.
- D. Fillet seal the bushing flanges with BMS 5-95 sealant per SOPM 20-50-19.

**3. Refinish**

- A. Crank assemblies (300) Apply BMS 10-11, Type 1 primer (F-14.995) and apply BMS 10-60 enamel (F-14.9813) to all surfaces of the crank assembly (300) except as shown in Fig. 601.
- B. Crank (325, 325B) – Chromic acid anodize and apply BMS 10-11, Type 1 primer (F-18.13) to all surfaces of the crank. Omit primer from holes for bushings and lube fittings. Material: Aluminum alloy.
- C. Crank (325A, 325C) – Chromic acid anodize (F-17.04) and apply BMS 10-11, Type 1 primer (F-20.02) to all surfaces of the crank. Omit primer from holes for bushings and lube fittings. Material: Aluminum alloy.

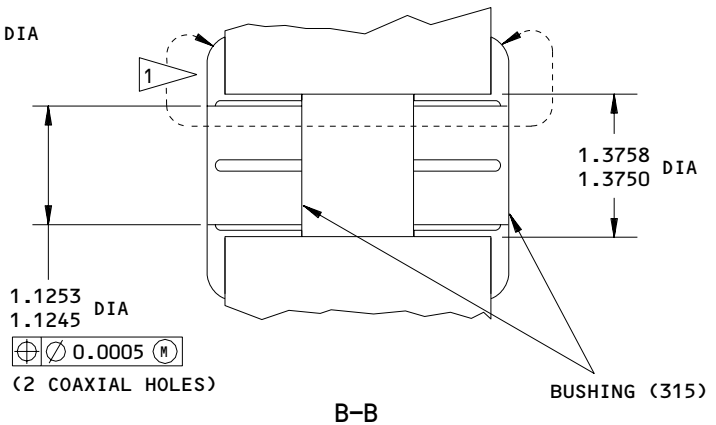
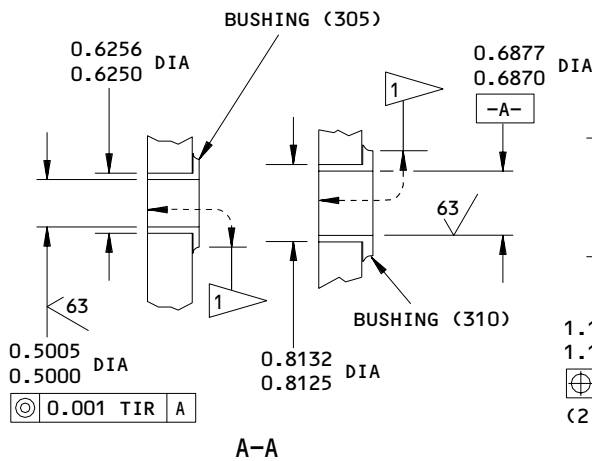
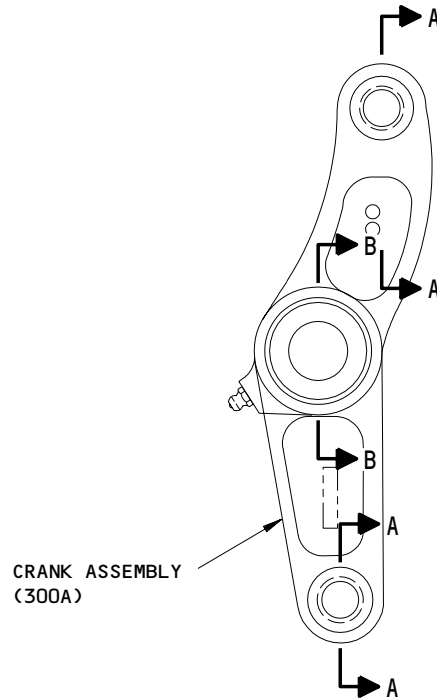
**57-53-21**

REPAIR 4-1

01.1

Page 601

Jul 01/03



1 OMIT PRIMER AND ENAMEL IN THIS AREA

125 ✓ ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

BREAK ALL SHARP EDGES

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

113T1248-15,-17  
 Crank Assembly Repair and Refinish  
 Figure 601

**57-53-21**

REPAIR 4-1

Page 602

Jul 01/03

01.1

CAM ASSEMBLY – REPAIR 5-1

113T1250-7, -9

**1. General**

- A. This procedure has the data necessary to remove and replace bushings (385, 390, 395) and refinish the cam assembly (380).
- B. Refer to REPAIR-GENERAL for a list of applicable standard practices.
- C. Refer to IPL Fig. 1 for item numbers.

**2. Bushing (385, 390, 395) Replacement**

- A. Remove the bushings from the crank assembly (380).
- B. Install the new bushings (385, 390, 395) in the crank assembly (380) with BMS 5-95 sealant per SOPM 20-50-03.
- C. Machine the bushings as shown in Fig. 601 and Fig. 602.
- D. Machine the bushings (385) face to face to obtain the dimension shown in Fig. 601 and 602. Do not remove more than 0.010 inch from the face of each bushing (385).
- E. Fillet seal the bushing flanges with BMS 5-95 sealant per SOPM 20-50-19.

**3. Refinish**

- A. Cam assemblies (380) -- Apply BMS 10-11, Type 1 primer (F-14.995) and apply BMS 10-60 enamel (F-14.9813) to all surfaces of the cam assembly (380) except as shown in Fig. 601.
- B. Cam (405) - Cadmium-titanium plate (F-15.32) and apply BMS 10-11, Type 1 primer (F-20.02) to all surfaces of the cam (405). Omit primer from holes for bushings and lube fittings. Material: 4340M steel, HT: 275-300 KSI

**57-53-21**

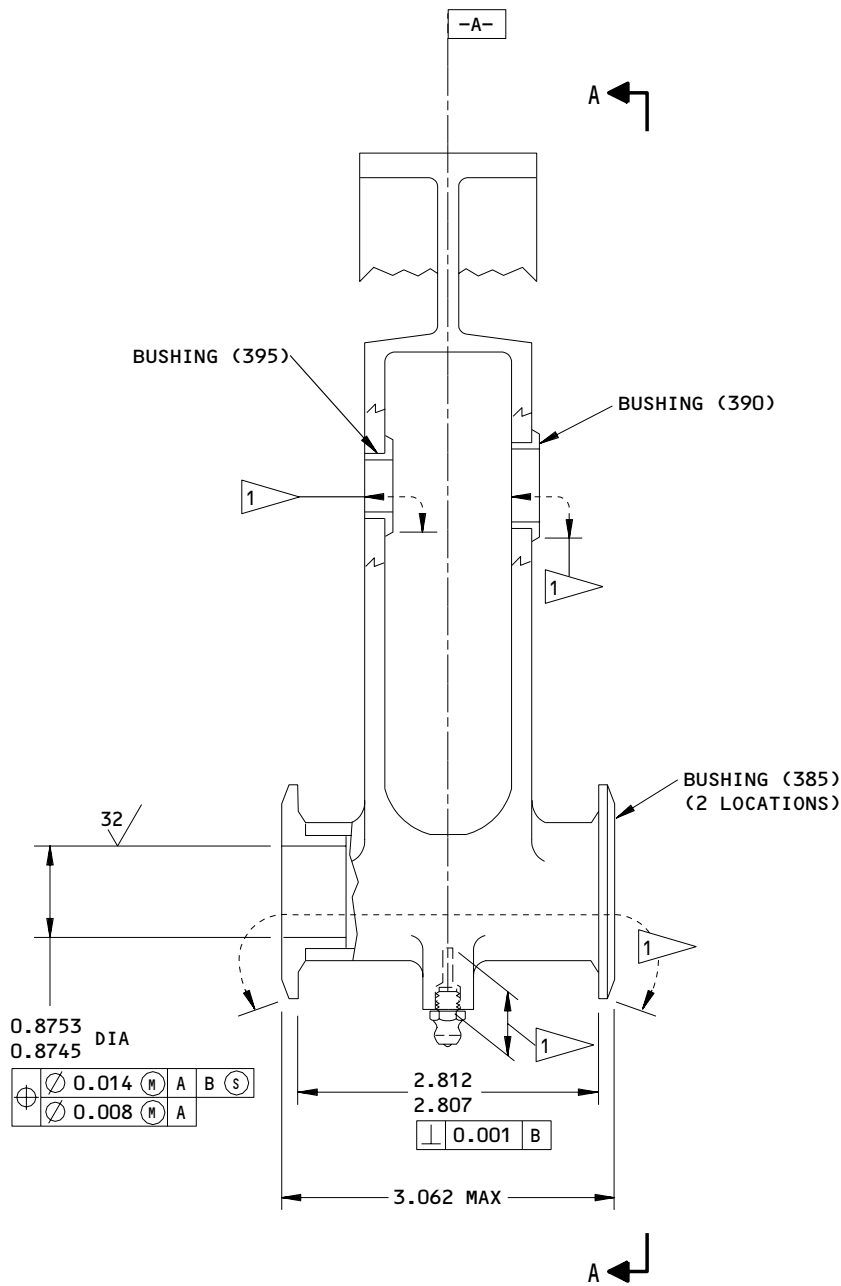
REPAIR 5-1

01.1

Page 601

Jul 01/03



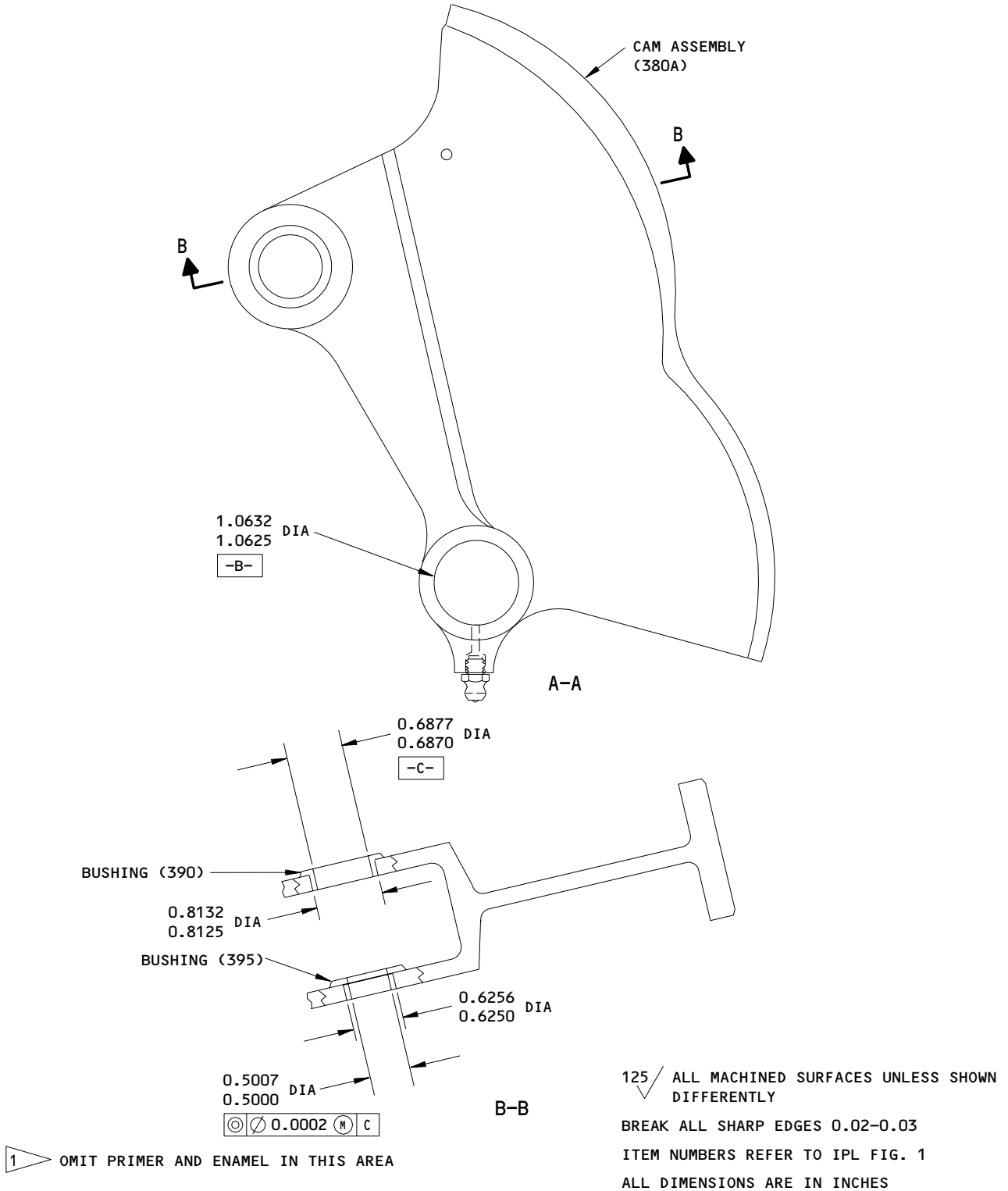


113T1250-7  
 Cam Assembly Repair  
 Figure 601 (Sheet 1)

**57-53-21**

REPAIR 5-1  
 Page 602  
 Jul 01/03

01.1



113T1250-7  
Cam Assembly Repair  
Figure 601 (Sheet 2)

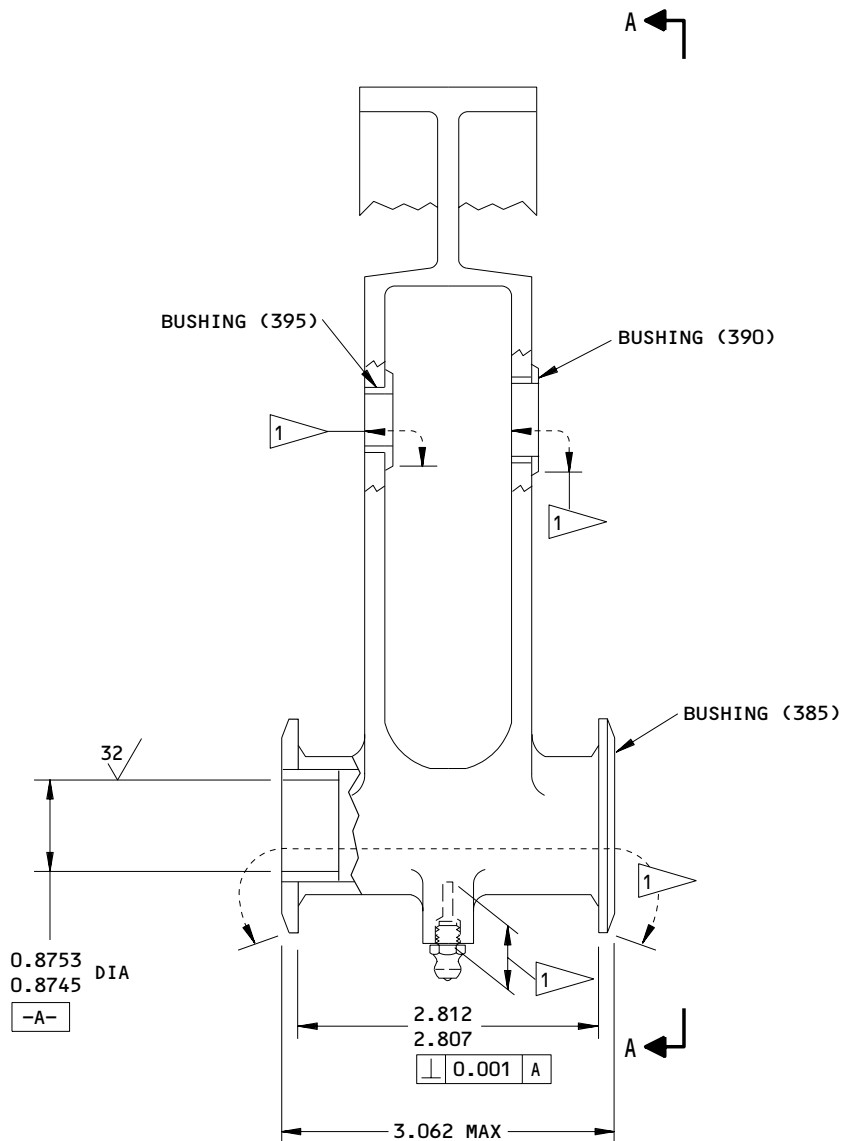
57-53-21

REPAIR 5-1

Page 603

Jul 01/03

01.1

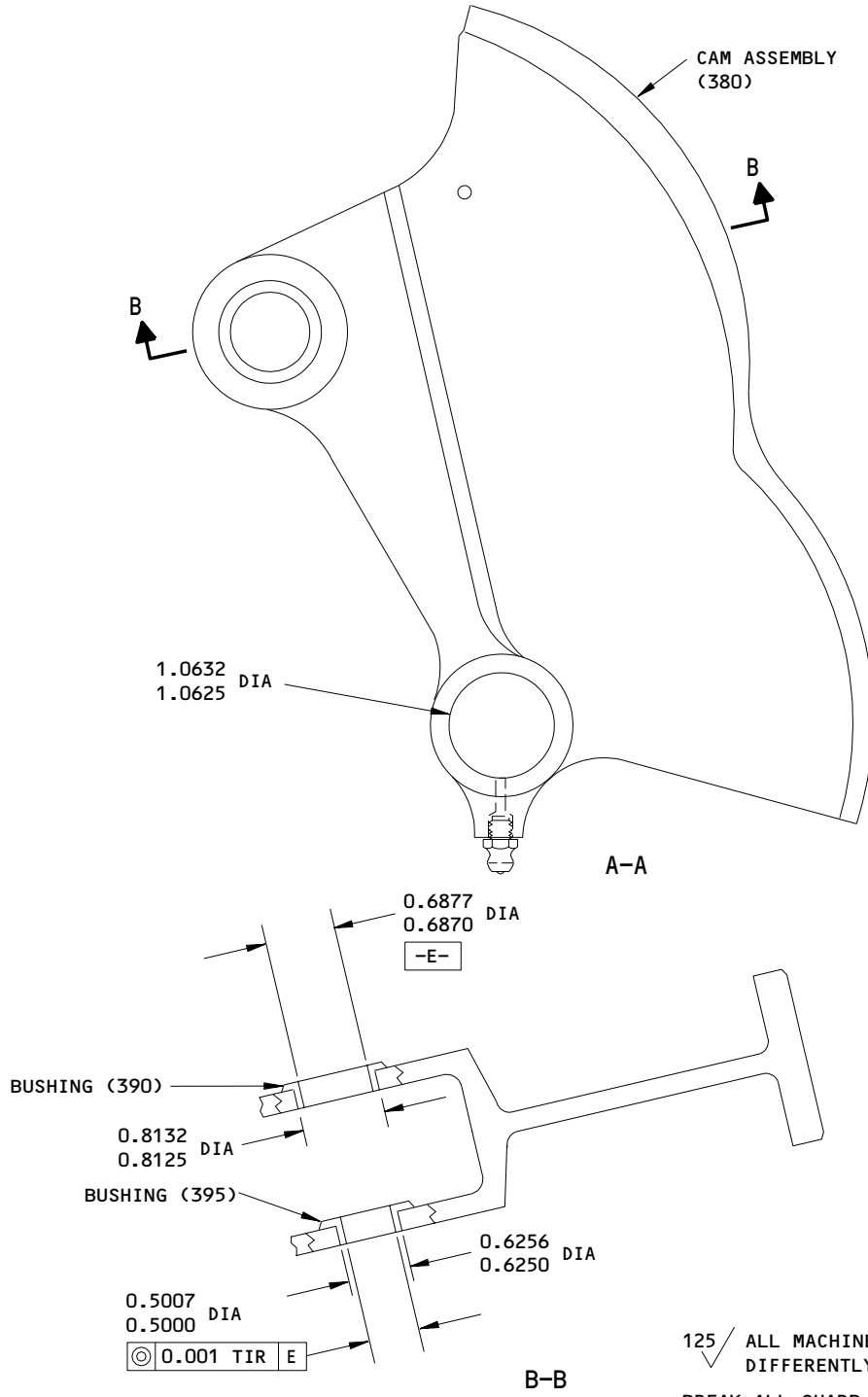


113T1250-9  
 Cam Assembly Repair  
 Figure 602 (Sheet 1)

**57-53-21**

REPAIR 5-1  
 Page 604  
 Jul 01/03

01.1



1 OMIT PRIMER AND ENAMEL IN THIS AREA

125/ ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY  
 BREAK ALL SHARP EDGES 0.02-0.03  
 ITEM NUMBERS REFER TO IPL FIG. 1  
 ALL DIMENSIONS ARE IN INCHES

113T1250-9  
 Cam Assembly Repair  
 Figure 602 (Sheet 2)

**57-53-21**

REPAIR 5-1

Page 605

Jul 01/03

01.1

ASSEMBLY1. Materials

NOTE: Equivalent substitutes can be used.

- A. Lockwire -- MS20995NC41
- B. Grease -- MIL-G-23827 (Ref SOPM 20-60-03)
- C. Sealant -- BMS 5-95 (Ref SOPM 20-60-04)

2. Assembly (IPL Fig. 1)

- A. Use standard industry practices and these steps.
- B. Before you install bolt (80), make sure the distance between bushings of main flap assembly (160, 165) and bushings of aft flap assembly (170A, 175A) is as shown in Fig. 701, View A-A. Also make sure the mismatch between the two flaps is within the limit shown in Fig. 701, Detail A.
- C. Adjust seals (113T2261-15, -16) and put them against aft flap assembly (170A, 175A) within dimensions shown in Fig. 701, Detail A.
- D. Before you install bolt (35), make sure the clearances between aft and main flap are as shown in Fig. 702.
- E. Install bolts (35, 50, 80, 120) washers (30, 40, 55, 60, 85, 90, 110, 115, 150), roller bearing (155), and bushings (45, 70, 100, 140) with MIL-G-23827 grease on mating surfaces. See Fig. 701.
- F. Lubricate the threads of bolts (35, 80, 120) and roller bearing (155) with MIL-G-23827 grease before you install nuts (25, 65, 95, 105, 145).
- G. Tighten nuts (25, 95) to 85-140 pound-inches.

**57-53-21**ASSEMBLY  
Page 701  
Nov 01/99

01.1

- H. Tighten nut (145) to 200–300 pound-inches.
- I. Tighten nut (105) to 400–500 pound-inches.
- J. Bend the tabs of washers (110, 150) so that it is flat against the nut (105, 145). If the tab will not bend onto the flat side of nut (105, 145), turn the nut (105, 145) to the next flat so you can bend the washer tab.
- K. Fill the gap around the head of the bolt (35) with BMS 5–95 sealant before you paint the unit. Make the sealant flush with the surface of the fitting within  $\pm 0.020$  inch.
- L. Install lockwire and cotter pins (20A, 75A) on the bolts (35, 80) per SOPM 20–50–02.
- M. Adjust the length of the rod assembly (113T2401) as necessary to let you install the link to the aft flap joint (170A, 175A) by hand pressure only.
- N. Make sure the clearances between aft (170A, 175A) and main (160, 165) flap assemblies are as shown in Fig. 703.
- O. Make sure the clearance between washer (90) and bushing flange on main flap assembly (160, 165) is 0.011–0.041 inch.
- P. Make sure the clearance between washer (110) and bushing flange on aft flap assembly (170A, 175A) is 0.005–0.075 inch.
- Q. If removed, install identification plate (810) per Fig. 704 after you paint the unit.
- R. Lubricate all lube fittings on the main and aft flaps with MIL-G-23827 grease within 72 hours after assembly.

**57-53-21**

ASSEMBLY

01.1

Page 702

Nov 01/99

## S. Install the crank assembly (300)

- (1) Install the bolt (250, 270), washers (255, 260, 275, 280), seals (295), bushing (290), crank assembly (300), and nut (265, 285). Make sure the head of the bolt (250, 270) is installed outboard to prevent interference with the fairing.
- (2) Tighten the nut (265, 285) to 650-1000 pound-inches.

## T. Install the cam assembly (380)

- (1) Install the bolt (330, 350), washers (335, 340, 355, 360), seals (375), Bushing (370), cam assembly (380) and the nut (345, 365).
- (2) Tighten the nut (345, 365) to the torque range of 800-900 pound-inches.

## U. Install the rod assemblies (215, 220)

- (1) Install the rod assembly (215, 220) as shown in Fig. 705. Make sure that the rods are installed so that there is access to the lube fittings.
- (2) Install the rod assembly (215, 220) to the crank assembly (300) with bolts (180), washers (190, 195), bushings (200) and nuts (210).
- (3) Install the rod assembly (220) to the cam assembly (380) with bolts (185), washers (190, 195), bushings (205) and nuts (210).
- (4) Install the bolts (180), washers (190, 195), bushings (200) and nut (210) into the forward rod assembly (215).
- (5) Tighten the nuts (210) to 290-510 pound-inches.

**NOTE:** It is acceptable to hand tighten the forward rod assembly bolt that is not attached to the crank assembly (300).

## V. Flap Assembly Adjustment

- (1) Put the aft flap assembly (170) in the stowed position relative to the main flap assembly (160).

**CAUTION:** DO NOT MOVE THE MAIN FLAP ASSEMBLY (160) OR AFT FLAP ASSEMBLY (170) WITH THE RIG PIN INSTALLED.

- (2) Install a rig pin through the hinge support fitting and the crank assembly (300).
- (3) Adjust the length of the aft rod assembly (220) to obtain the dimensions shown in Fig. 705.

**57-53-21**ASSEMBLY  
Page 703  
Jul 01/03

01.1

(4) Tighten the aft rod assembly nuts (225) and lockwire per  
SOPM 20-50-02.

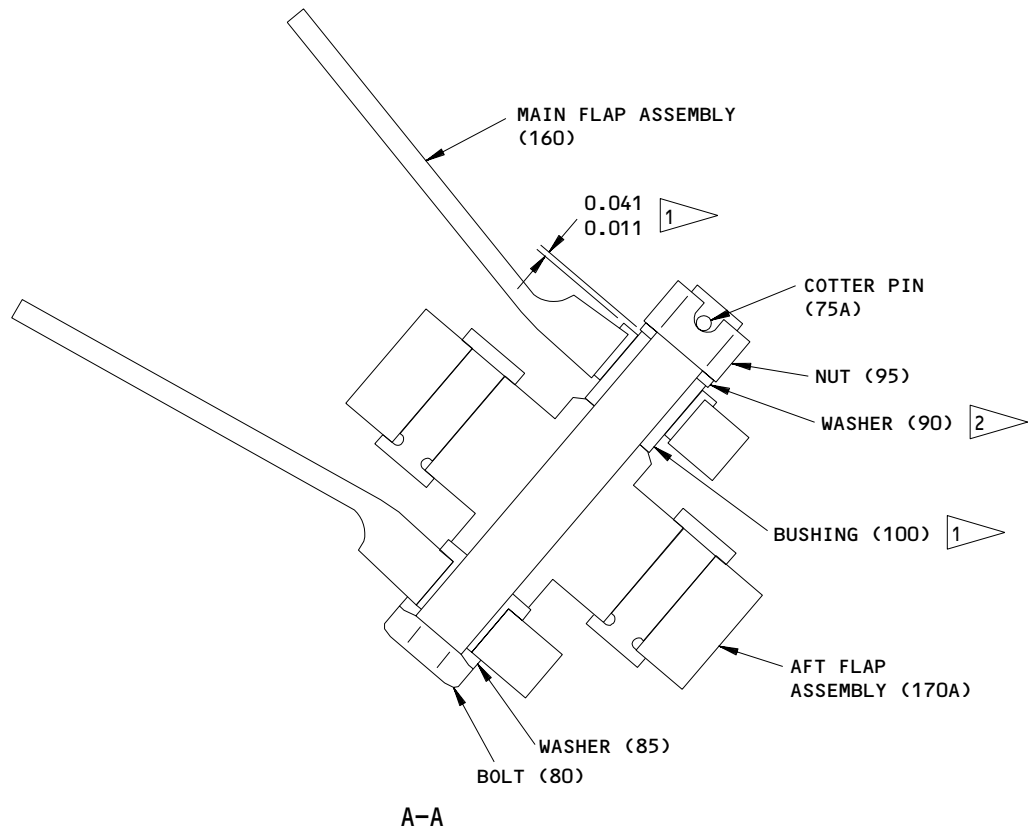
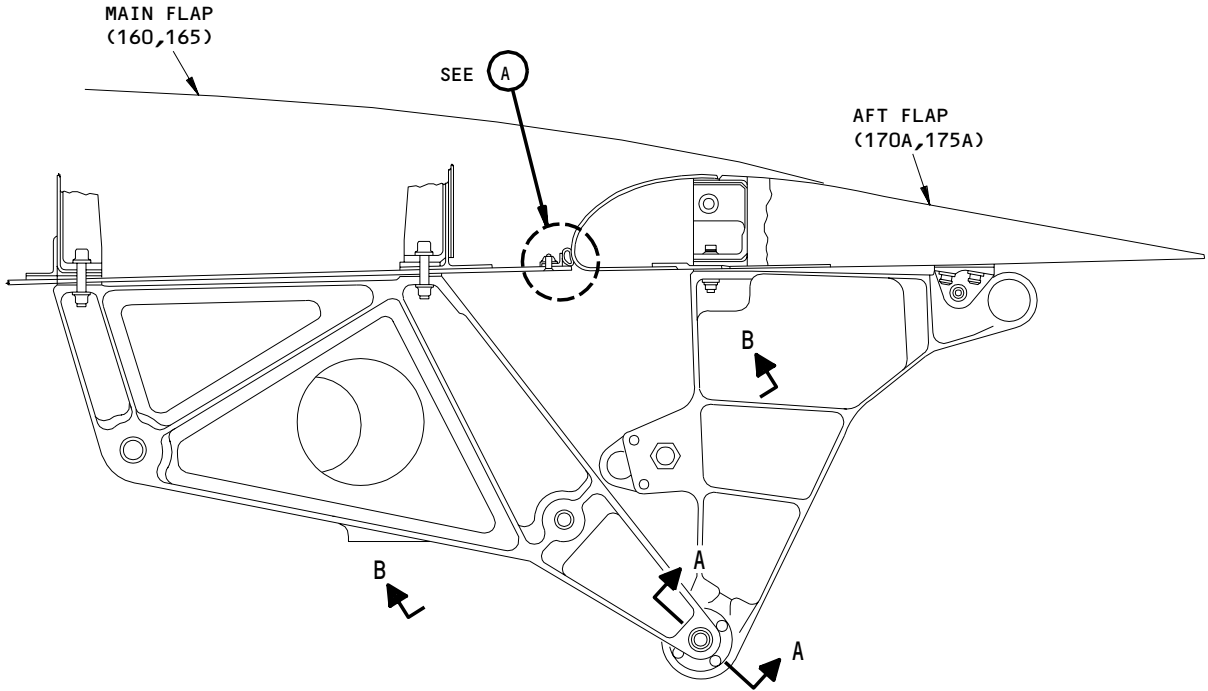
W. Apply BMS 3-33 grease to the lube fittings shown in the Fig. 704.

**57-53-21**

ASSEMBLY  
Page 704  
Jul 01/03

01.1



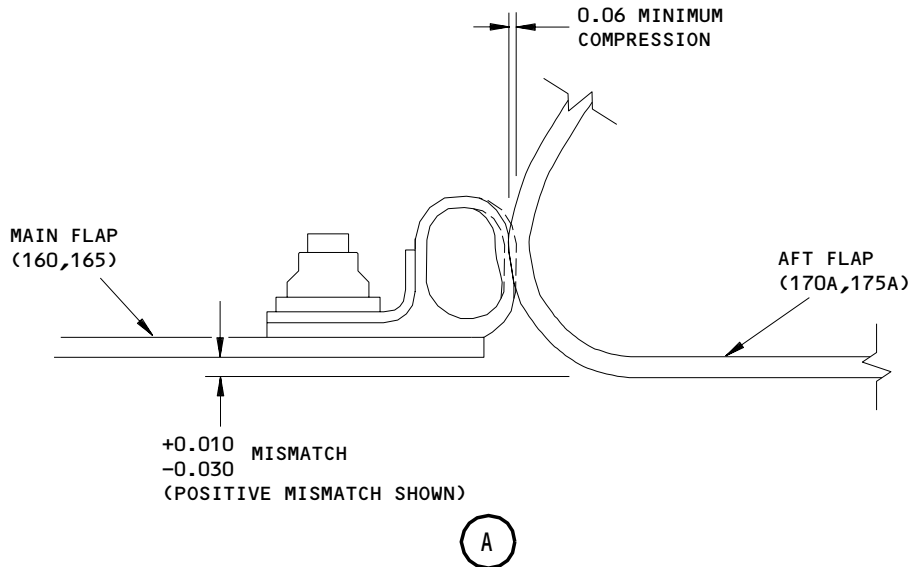
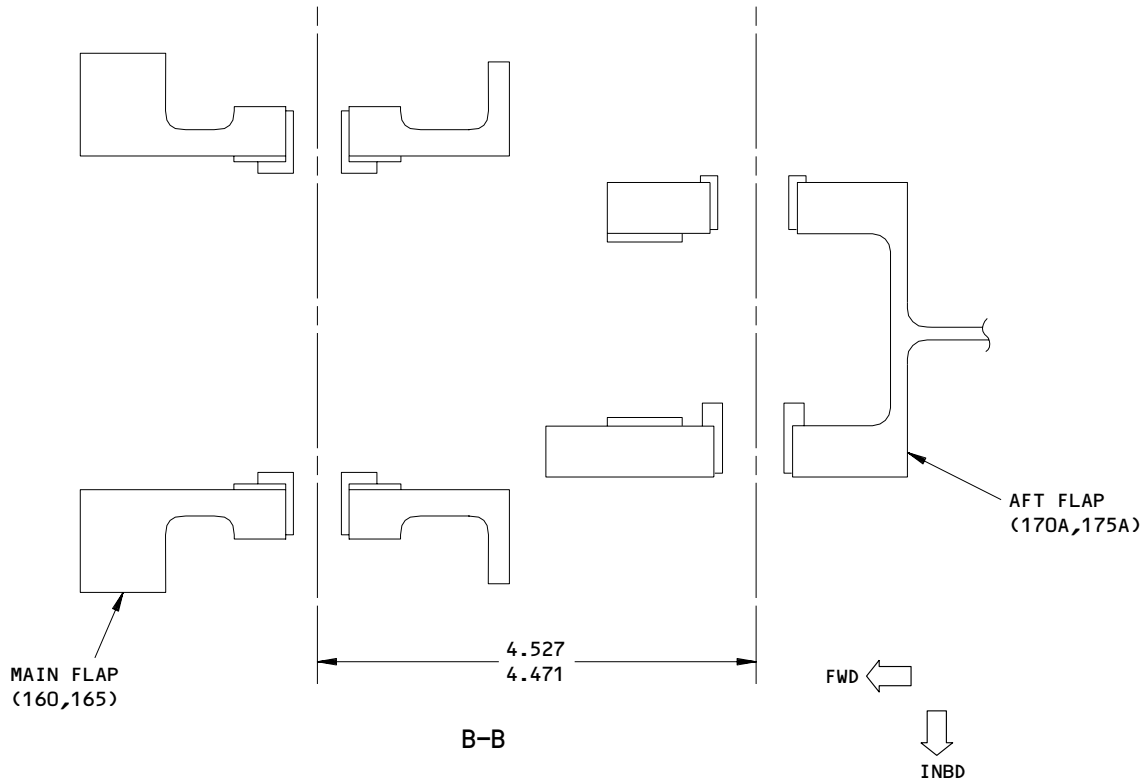


Main and Aft Flap Alignment  
Figure 701 (Sheet 1)

**57-53-21**

ASSEMBLY  
Page 705  
Jul 01/03

01.1



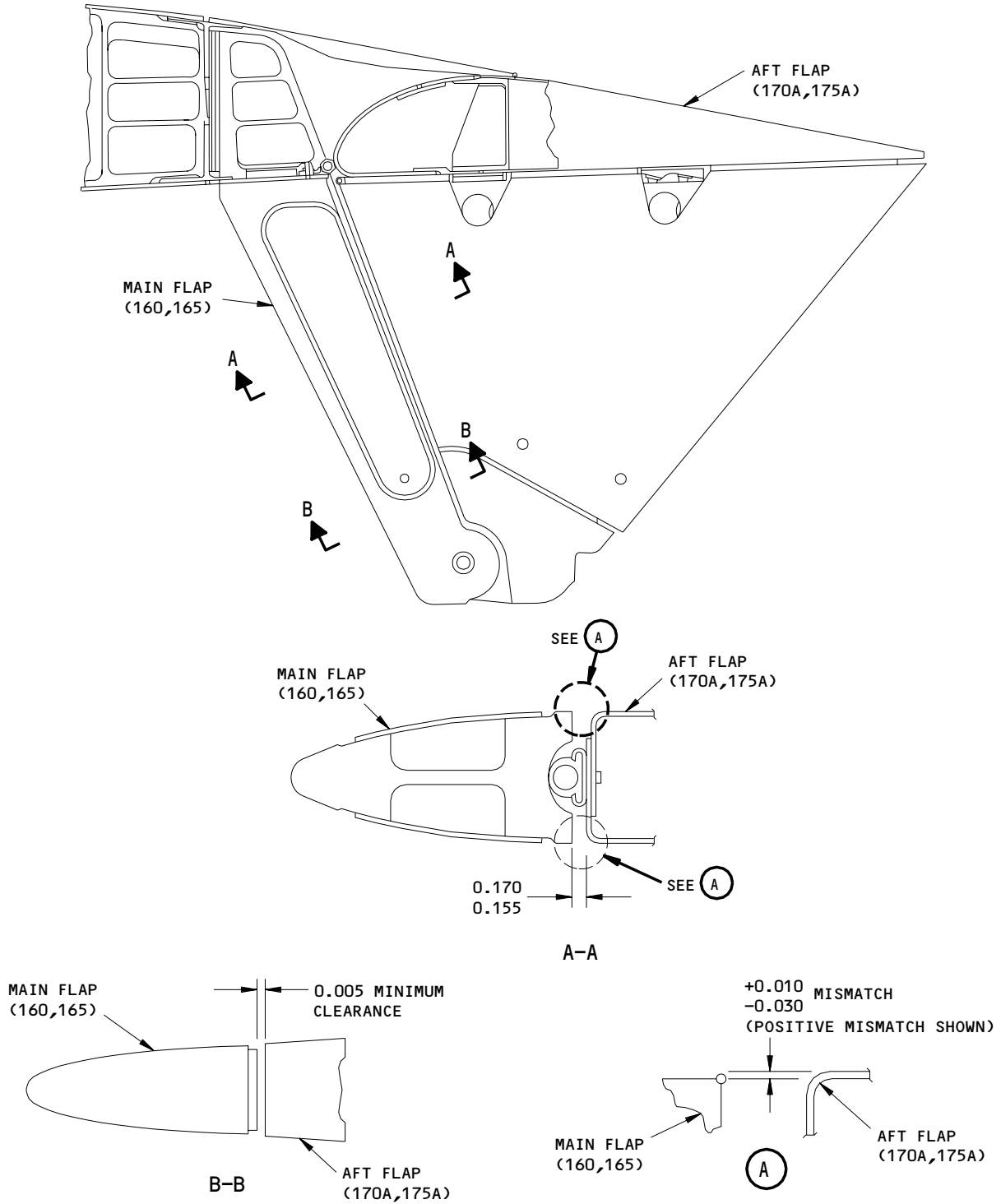
- 1 USE AN APPROPRIATE BUSHING TO ACHIEVE THE DIMENSION SHOWN. SEE PARTS LIST FOR OPTION
- 2 USE ONE TO THREE WASHERS (90) AS REQUIRED TO INSTALL COTTER PIN (75A)

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

**Main and Aft Flap Alignment  
 Figure 701 (Sheet 2)**

**57-53-21**  
 ASSEMBLY  
 Page 706  
 Jul 01/03

01.1



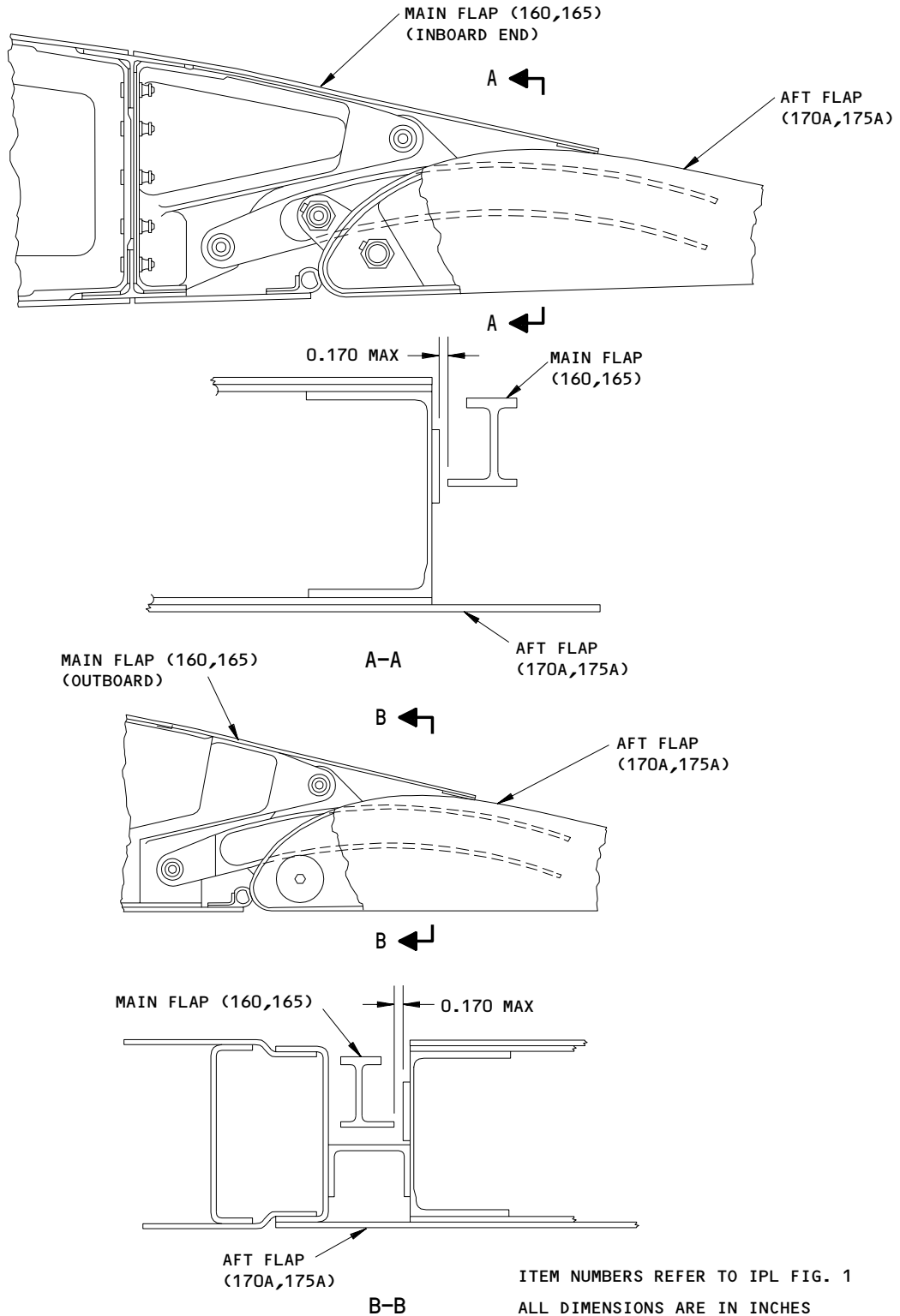
ITEM NUMBERS REFER TO IPL FIG. 1  
 ALL DIMENSIONS ARE IN INCHES

Flap Alignment  
 Figure 702

**57-53-21**

ASSEMBLY  
 Page 707  
 Jul 01/03

01.1



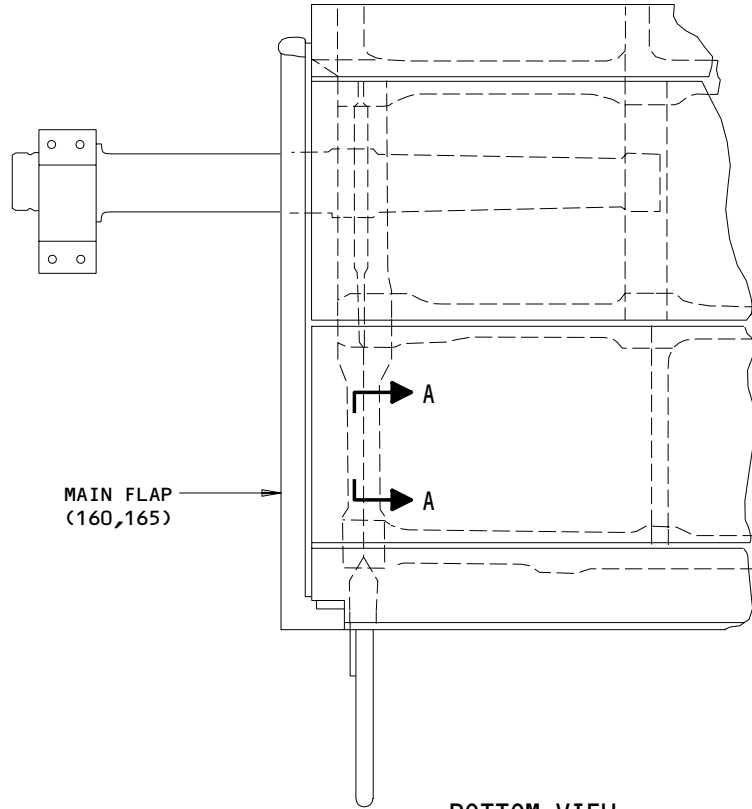
Flap Clearances  
 Figure 703

**57-53-21**

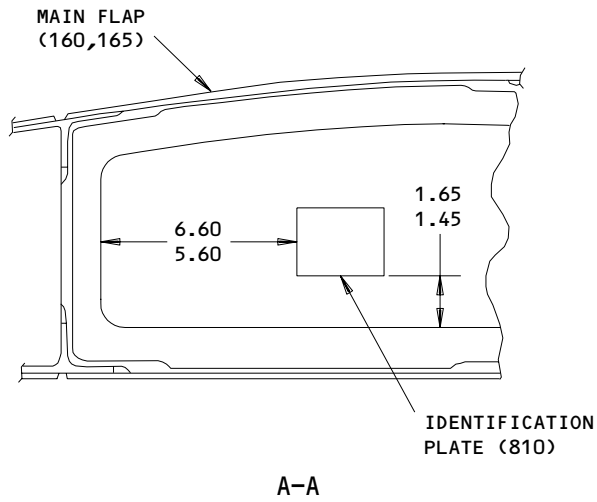
ASSEMBLY  
 Page 708  
 Jul 01/03

01.1

**BOEING**  
COMPONENT  
MAINTENANCE MANUAL



BOTTOM VIEW  
INBOARD END



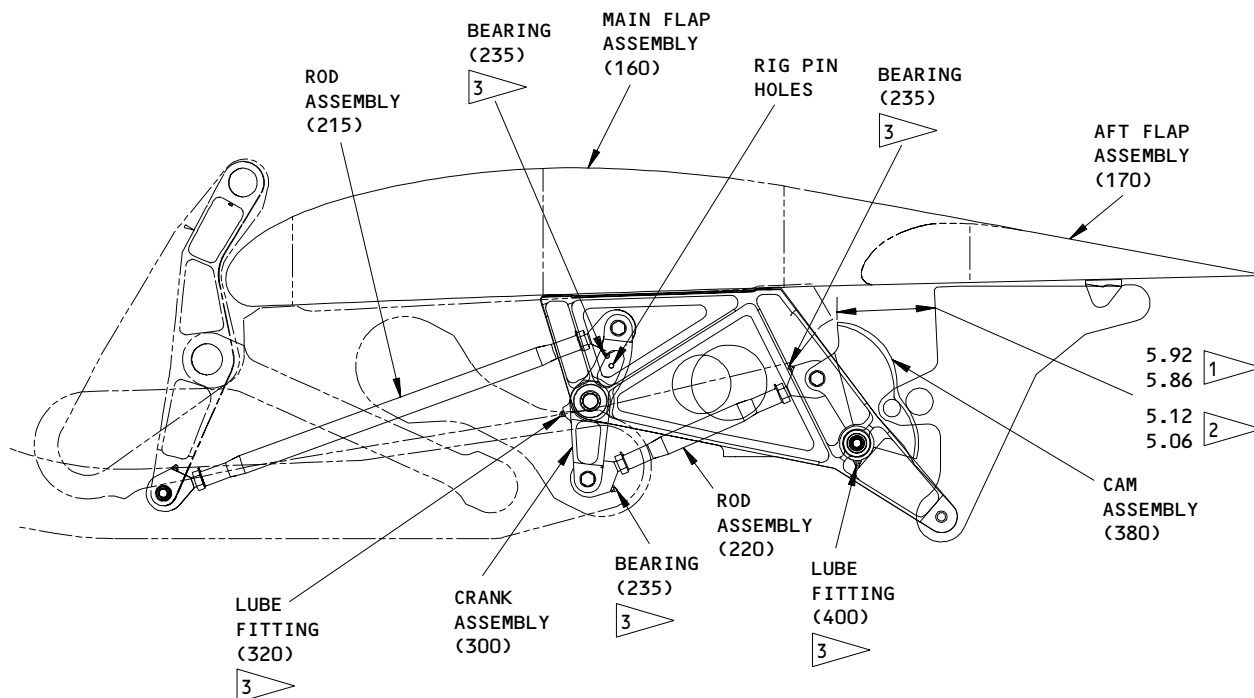
ITEM NUMBERS REFER TO IPL FIG. 1  
ALL DIMENSIONS ARE IN INCHES

Identification Plate Installation  
Figure 704

**57-53-21**

ASSEMBLY  
Page 709  
Jul 01/03

01.101



1 FOR 113T2101-57,-58,-61,-62,-65,-66,-69,  
 -70,-73,-74,-77,-78,-405 THRU  
 -412

2 FOR 113T2101-59,-60,-63,-64,-67,-68,-71,  
 -72,-75,-76,-79,-80

3 APPLY BMS 3-33, GREASE

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

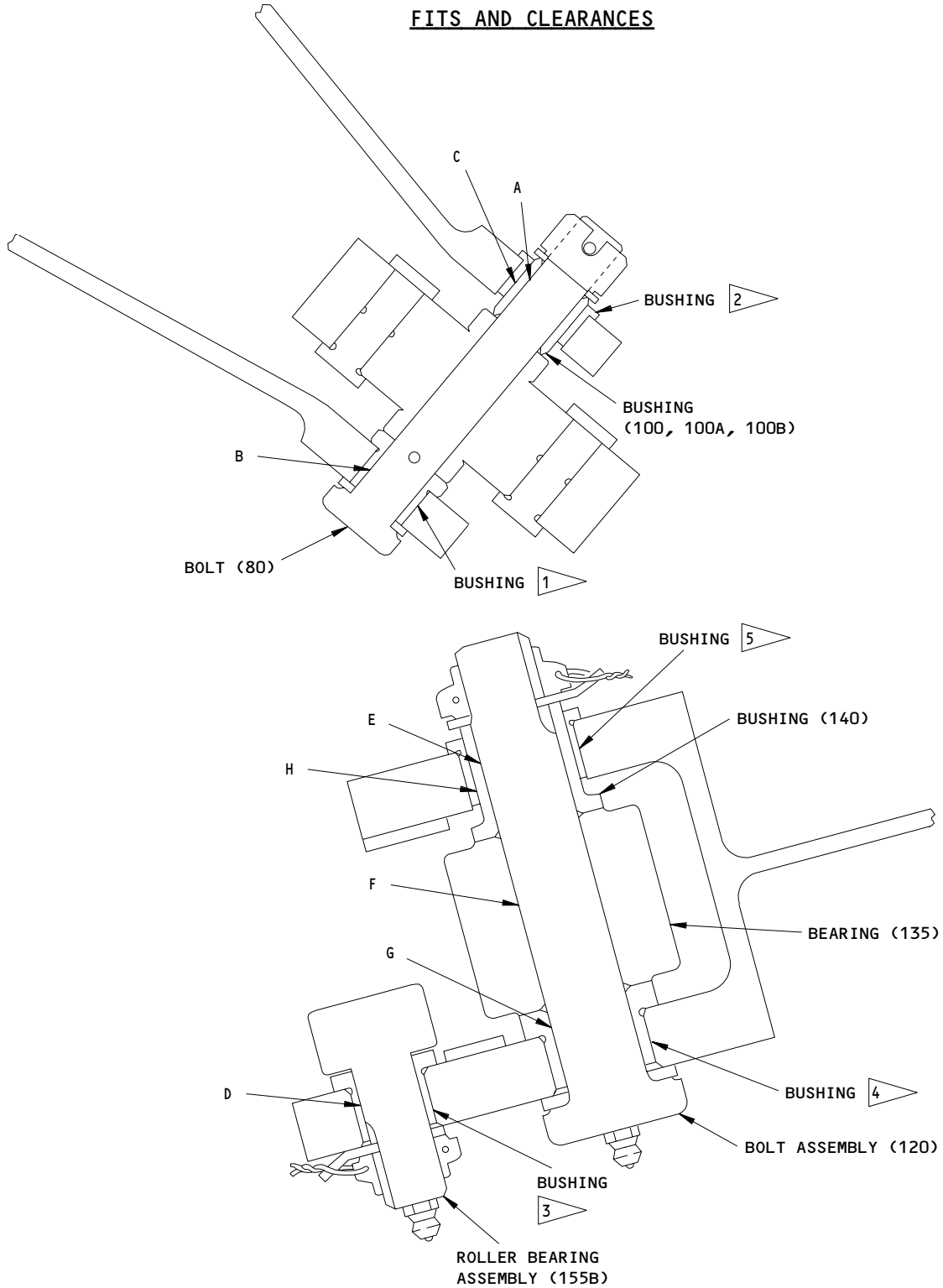
**Crank, Cam and Rod Installation**  
**Figure 705**

**57-53-21**

ASSEMBLY  
 Page 710  
 Jul 01/03

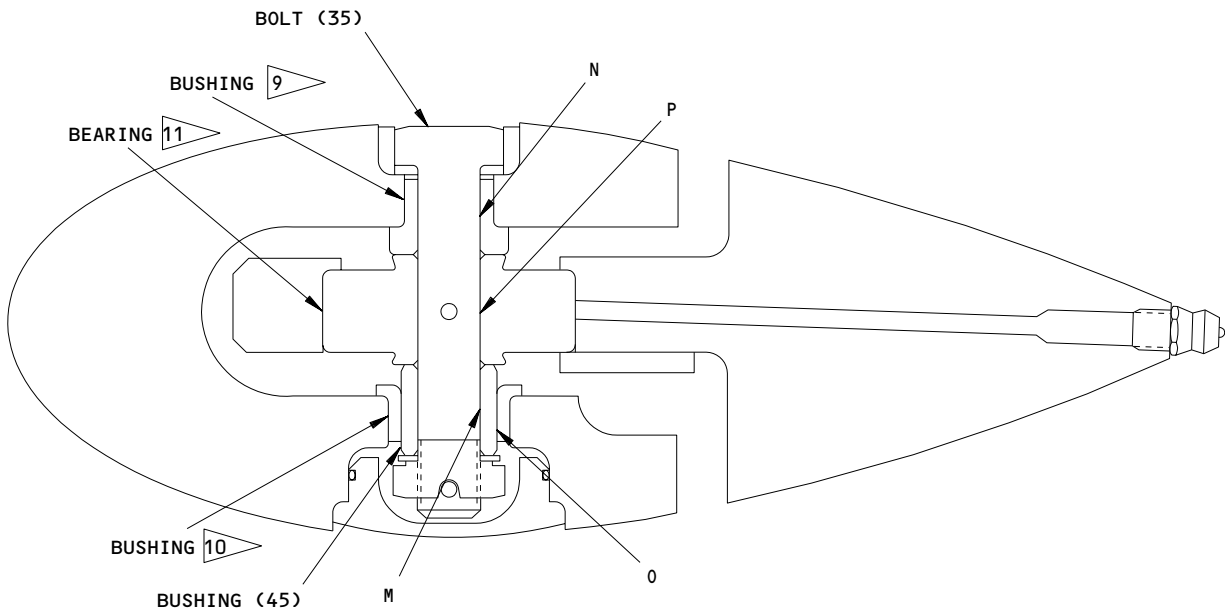
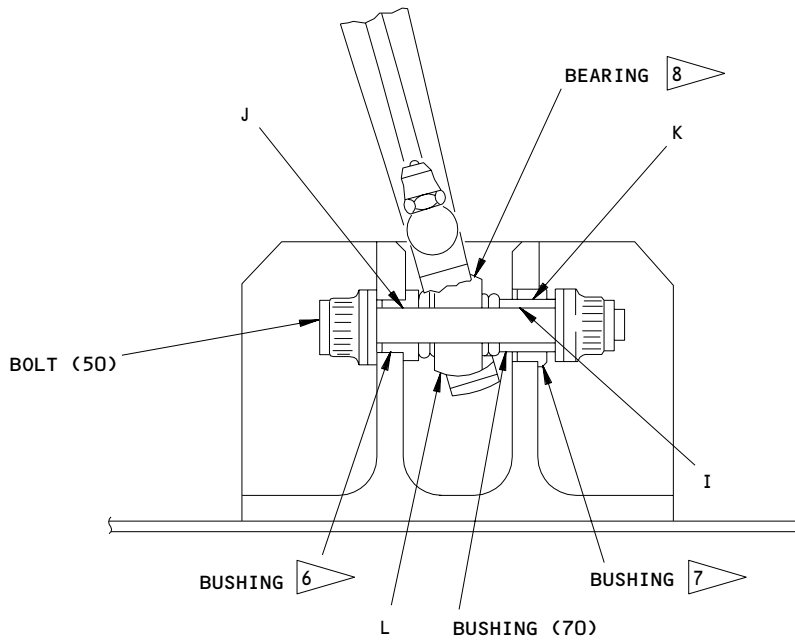
01.1

FITS AND CLEARANCES



Fits and Clearances  
Figure 801 (Sheet 1)

57-53-21



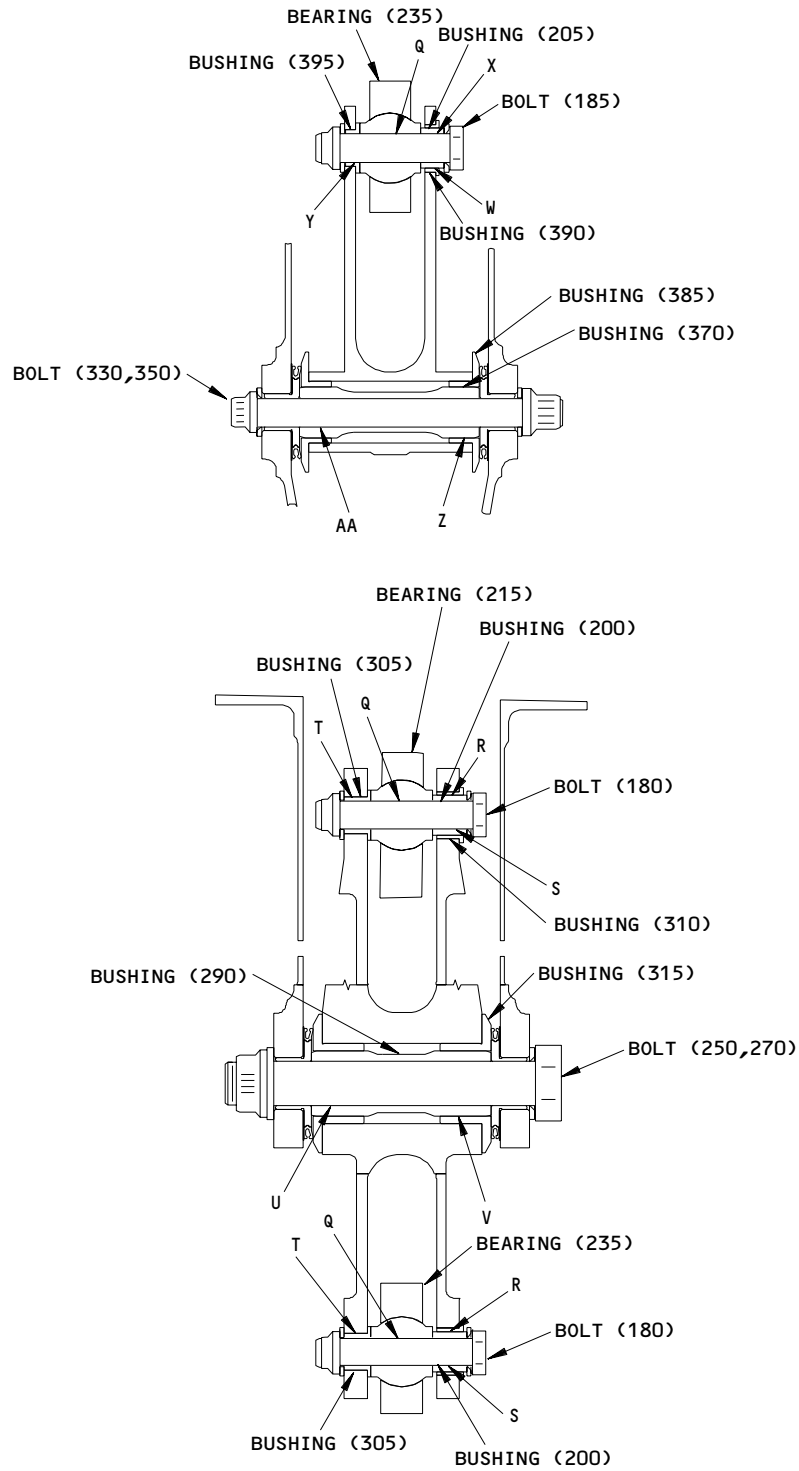
Fits and Clearances  
 Figure 801 (Sheet 2)

**57-53-21**

FITS AND CLEARANCES  
 01.1 Page 802  
 Jul 01/03










**BOEING**  
**COMPONENT**  
**MAINTENANCE MANUAL**



Fits and Clearances  
 Figure 801 (Sheet 3)





**57-53-21**

REF LETTER	REF IPL	DESIGN DIMENSION*				SERVICE WEAR LIMIT*		
	FIG. 1, MATING ITEM NO.	DIMENSION		ASSEMBLY CLEARANCE		DIMENSION		MAXIMUM CLEARANCE
		MIN	MAX	MIN	MAX	MIN	MAX	
A	ID 100, 100A, 100B	0.3750	0.3755	0.0010	0.0030		0.3790	0.0050
	OD 80	0.3725	0.3740			0.3705		
B	ID 	0.3750	0.3756	0.0010	0.0031		0.3790	0.0050
	OD 80	0.3725	0.3740			0.3706		
C	ID 	0.5620	0.5627				0.5665	0.0050
	OD 100, 100A, 100B	0.5610	0.5615	0.0005	0.0017	0.5577		
D	ID 	0.5000	0.5007	0.0000	0.0022		0.5050	0.0050
	OD 155B	0.4985	0.5000			0.4957		
E	ID 140	0.6245	0.6252	0.0005	0.0017		0.6290	0.0050
	OD 120	0.6235	0.6240			0.6202		
F	ID 135	0.6243	0.6250	0.0003	0.0015		0.6290	0.0050
	OD 120	0.6235	0.6240			0.6200		
G	ID 	0.6245	0.6252	0.0005	0.0017		0.6290	0.0050
	OD 120	0.6235	0.6240			0.6202		
H	ID 	0.8120	0.8128	0.0005	0.0018		0.8169	0.0054
	OD 140	0.8110	0.8115			0.8074		
I	ID 70	0.2500	0.2505	0.0005	0.0015		0.2545	0.0050
	OD 50	0.2490	0.2495			0.2455		
J	ID 	0.2500	0.2505	0.0005	0.0015		0.2545	0.0050
	OD 50	0.2490	0.2495			0.2455		
K	ID 	0.3750	0.3756	0.0005	0.0016		0.3795	0.0050
	OD 70	0.3740	0.3745			0.3706		

Fits and Clearances  
Figure 801 (Sheet 4)

**57-53-21**


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

REF LETTER	REF IPL		DESIGN DIMENSION*				SERVICE WEAR LIMIT*		
	FIG. 1, MATING ITEM NO.		DIMENSION		ASSEMBLY CLEARANCE		DIMENSION		MAXIMUM CLEARANCE
			MIN	MAX	MIN	MAX	MIN	MAX	
L	ID		0.2495	0.2500	0.0000	0.0010	0.2450	0.2545	0.0050
	OD	50	0.2490	0.2495					
M	ID	45	0.3750	0.3755	0.0010	0.0030	0.3705	0.3790	0.0050
	OD	35	0.3725	0.3740					
N	ID		0.3750	0.3756	0.0010	0.0031	0.3705	0.3790	0.0050
	OD	35	0.3725	0.3740					
O	ID		0.5620	0.5627	0.0005	0.0017	0.5577	0.5665	0.0050
	OD	45	0.5610	0.5615					
P	ID		0.3745	0.3750	0.0005	0.0025	0.3700	0.3790	0.0050
	OD	35	0.3725	0.3740					
Q	ID	215,235	0.4995	0.5000	0.0000	0.0015			
	OD	180	0.4985	0.4995					
R	ID	310	0.6870	0.6877	0.0005	0.0017			
	OD	200	0.6860	0.6865					
S	ID	200	0.5000	0.5005	0.0005	0.0020			
	OD	180	0.4985	0.4995					
T	ID	305	0.5000	0.5005	0.0005	0.0020			
	OD	180	0.4985	0.4995					
U	ID	290	0.7495	0.7503	0.0005	0.0018			
	OD	250,270	0.7485	0.7490					
V	ID	315	1.1245	1.1253	0.0005	0.0023			
	OD	290	1.1230	1.1240					
W	ID	390	0.6870	0.6877	0.0005	0.0017			
	OD	205	0.6860	0.6865					
X	ID	205	0.5000	0.5005	0.0005	0.0020			
	OD	185	0.4985	0.4995					

Fits and Clearances  
 Figure 801 (Sheet 5)

**57-53-21**

FITS AND CLEARANCES  
 01.1 Page 805  
 Jul 01/03

REF LETTER	REF IPL		DESIGN DIMENSION*				SERVICE WEAR LIMIT*		
	FIG. 1, MATING ITEM NO.		DIMENSION		ASSEMBLY CLEARANCE		DIMENSION		MAXIMUM CLEARANCE
			MIN	MAX	MIN	MAX	MIN	MAX	
Y	ID	395	0.5000	0.5007	0.0005	0.0022			
	OD	185	0.4985	0.4995					
Z	ID	385	0.8745	0.8753	0.0005	0.0018			
	OD	370	0.8735	0.8740					
AA	ID	370	0.5000	0.5007	0.0005	0.0017			
	OD	330,350	0.4990	0.4995					

\* ALL DIMENSIONS ARE IN INCHES

- 1 BUSHING 113T2104-21 (REF)
- 2 BUSHING BACB28AM09B036A (REF)
- 3 BUSHING 113T2104-15 (REF)
- 4 BUSHING 113T2104-16 (REF)
- 5 BUSHING BACB28AM13B048A (REF)
- 6 BUSHING 113T2104-18 (REF)
- 7 BUSHING BACB28AM06B019A (REF)
- 8 BEARING S012T236-200 (REF)
- 9 BUSHING 113T2104-13 (REF)
- 10 BUSHINGBACB28AM09B027A (REF)
- 11 BEARINGBACB10CH6 (REF)

Fits and Clearances  
 Figure 801 (Sheet 6)

# 57-53-21

FITS AND CLEARANCES  
 01.1 Page 806  
 Jul 01/03


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

FOR TORQUE VALUES OF STANDARD FASTENERS, REFER TO SOPM 20-50-01			
ITEM NO. IPL FIG. 1	NAME	TORQUE	
		POUND-INCHES	POUND-FEET
25, 95	NUT	85-140	
145	NUT	200-300	
105	NUT	400-500	
210	NUT	290-510	
265,285	NUT	650-1000	
345,365	NUT	800-900	

Torque Table  
Figure 802

**57-53-21**

FITS AND CLEARANCES  
01.1 Page 807  
Jul 01/03

ILLUSTRATED PARTS LIST

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

2. Indentures show parts relationships as follows:

Assembly

Detail Parts for Assembly

Subassembly

Attaching Parts for Subassembly

Detail Parts for Subassembly

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

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

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

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

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

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

6. Parts Interchangeability

Optional  
(OPT)

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

Supersedes, Superseded By  
(SUPSDS, SUPSD BY)

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

Replaces, Replaced By  
(REPLS, REPLD BY)

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

**57-53-21**

ILLUSTRATED PARTS LIST

01 Page 1001

Jul 10/83

7. Boeing Proprietary Color-Coded Parts

- A. Color-coded parts are identified with an alpha "SP" suffix. This entry represents consolidation of all color codes applicable for a given usage. Orders for color-coded parts should include the registry number of the airplane for which the parts are ordered.

**57-53-21**

ILLUSTRATED PARTS LIST  
01.1 Page 1002  
Nov 01/99


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL
VENDORS

02697 PARKER-HANNIFIN CORP SEAL GROUP O-RING DIV  
 2360 PALUMBO DRIVE PO BOX 11751  
 LEXINGTON, KENTUCKY 40509  
 FORMERLY V17506 IN CLEVELAND, OHIO  
 FORMERLY PARKER SEAL CO OF PARKER-HANNIFIN CORP O-RING DIV

06710 LAMSON AND SESSIONS CO THE VALLEY-TODECO  
 12975 BRADLEY AVENUE  
 SYLMAR, CALIFORNIA 91342-3830  
 FORMERLY VALLEY BOLT CORP VB0097 IN NORTH HOLLYWOOD, CA

07096 BURKE RUBBER CO PUROSIL DIV  
 1810 SOUTH SHAMROCK AVENUE PO BOX 5023  
 MONROVIA, CALIFORNIA 91016-4251  
 FORMERLY HADBAR DIV OF PUROSIL INC

07484 ACCURATE BUSHING CO INC  
 443 NORTH AVENUE  
 GARWOOD, NEW JERSEY 07027-1014  
 FORMERLY V83132 SMITH BRG DIV OF ACCURATE BUSHING CO

11314 AMERICAN UNITED PRODUCTS INC  
 11634 PATTON ROAD  
 DOWNEY, CALIFORNIA 90241-5295  
 FORMERLY FEDERAL MOGUL CORP

11815 CHERRY AEROSPACE FASTENERS DIV OF TEXTRON  
 1224 EAST WARNER AVENUE PO BOX 2157  
 SANTA ANA, CALIFORNIA 92707-0157  
 FORMERLY IN LOS ANGELES, CALIF, FORMERLY CHERRY FASTENERS  
 TOWNSEND DIV OF TEXTRON INC V71087

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

27238 BRISTOL INDUSTRIES  
 630 EAST LAMBERT ROAD PO BOX 630  
 BREA, CALIFORNIA 92621-4119

56878 SPS TECHNOLOGIES INC AEROSPACE AND INDUSTRIAL PRODUCTS DIV  
 HIGHLAND AVENUE  
 JENKINTOWN, PENNSYLVANIA 19046  
 FORMERLY STANDARD PRESSED STEEL

57-53-21

 ILLUSTRATED PARTS LIST  
 01.1 Page 1003  
 Jul 01/03



VENDORS

57268 RAINER RUBBER CO  
15660 NELSON PL SO  
SEATTLE, WASHINGTON 98188

60380 TORRINGTON CO BEARINGS DIV SUBSIDIARY OF INGERSOLL-RAND CORP  
59 FIELD STREET PO BOX 1008  
TORRINGTON, CONNECTICUT 06790-4942  
FORMERLY TORRINGTON BEARING COMPANY

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

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

77896 REXNORD INC BEARING OPERATION  
2400 CURTIS STREET  
DOWNERS GROVE, ILLINOIS 60515-4005  
FORMERLY SHAEFER BEARING DIV REX CHAINBELT  
FORMERLY REX CHAINBELT INC BEARING DIV.

85495 BRILES MFG CO SEE OMARK INDUSTRIES  
PRECISION FASTENING SUB OF OMARK IND INC SEE DEUTSCH  
FASTENER CORP V08524  
OMARK INDUSTRIES SEE PRECISION FASTENING

92563 MCGILL MFG CO INC BEARINGS DIV  
909 LAFAYETTE STREET  
VALPARAISO, INDIANA 46383-4210

95272 SARGENT IND INC STILLMAN SEAL DIV  
6020 AVENDIDA ENCINAS PO BOX 2000  
CARLSBAD, CALIFORNIA 92008-4407  
FORMERLY STILLMAN RUBBER DIV ELECTRADA CORP  
FORMERLY STILLMAN SEAL DIV OF SARGENT IND IN CULVER CITY, CA

97928 HUCK INTL INC  
3969 PARAMOUNT BLVD  
LAKEWOOD, CALIFORNIA 90712-4193

57-53-21

ILLUSTRATED PARTS LIST  
01.1 Page 1004  
Jul 01/03


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
AS568-22S32		1	15	1
ATL10		1	135	1
A330-22		1	15	1
BACB10EU10		1	135	1
BACB28AK04-042		1	70	2
BACB28AK06-052		1	45	1
BACB28AK06-053		1	100	1
BACB28AK06-057		1	100A	1
BACB28AK06-061		1	100B	1
BACB28AK08-040		1	205	1
BACB28AK08-058		1	200	3
BACB28AM11B018A		1	390	1
BACB28AM11B040A		1	310	2
BACB28AP08P018		1	395	1
BACB28AP08P040		1	305	2
BACB30LE4U22		1	50	2
BACB30LE8U72		1	330	1
		1	350	1
BACB30LT12U72		1	250	1
		1	270	1
BACB30LT6DU25		1	35	1
BACB30LT6DU40		1	80	1
BACB30NR8K28		1	185	1
BACB30NR8K34		1	180	3
BACN10HR4CS		1	65	2
BACN10HR8CS		1	345	1
		1	365	1
BACN10JC10CM		1	105A	1
BACN10JC12CM		1	265	1
		1	285	1
BACN10JC8CM		1	145A	1
		1	210	4
BACN10JD106ASU		1	25	1
BACN10JD6ASU		1	95	1
BACP11J22		1	15	1

57-53-21

 ILLUSTRATED PARTS LIST  
 01.1 Page 1005  
 Jul 01/03

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
BACP18BC03A08P		1	20A	1
		1	75A	1
BACW10BP10CD		1	115	1
BACW10BP12CD		1	255	1
		1	275	1
BACW10BP12DP		1	260	1
		1	280	1
BACW10BP4APU		1	60	2
BACW10BP4CD		1	55	2
BACW10BP6APU		1	90	3
BACW10BP6CD		1	40	1
		1	85	1
BACW10BP8CD		1	190	4
		1	335	1
		1	355	1
BACW10BP8DP		1	195	4
		1	340	1
		1	360	1
BH003028CS		1	345	1
		1	365	1
BH00303-4		1	65	2
BH00303-8		1	345	1
		1	365	1
BH003034		1	65	2
BH003038		1	345	1
		1	365	1
BMNN10HR8CS		1	345	1
		1	365	1
BMN10HRCPD3-4		1	65	2
BMN10HRCPD3-8		1	345	1
		1	365	1

# 57-53-21

 ILLUSTRATED PARTS LIST  
 01.1 Page 1006  
 Jul 01/03


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
BMN4122C1D2-10		1	105A	1
BMN4122C1D2-12		1	265	1
		1	285	1
BMN4122C1D2-8		1	145A	1
		1	210	4
BMN5024CPD3-8		1	345	1
		1	365	1
BMN5024CPD34		1	65	2
BMN5024CPD38		1	345	1
		1	365	1
CR1XBC189		1	155B	1
CR59068CS		1	345	1
		1	365	1
CR59088		1	345	1
		1	365	1
H01-10BAC		1	105A	1
H01-12BAC		1	265	1
		1	285	1
H01-8BAC		1	145A	1
		1	210	4
H39953		1	345	1
H39953		1	365	1
H39953-4		1	65	2
H39953-8		1	345	1
		1	365	1
H968CS		1	345	1
		1	365	1
MS15001-1		1	125	1
		1	320	1
		1	400	1
MS27253-3F		1	810	1
NAS1149C0632R		1	30A	1
NAS509-10		1	225	4
NAS513-10		1	230	4
RMLH228CS		1	345	1
		1	365	1

57-53-21

ILLUSTRATED PARTS LIST

01.1

Page 1007

Jul 01/03

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
R1131-22		1	15	1
SL705094		1	65	2
SL705098		1	345	1
		1	365	1
SL7059C428		1	65	2
SM8-10A1-501		1	235	4
S012T236-8		1	235	4
S424-7-2-22		1	15	1
S7E183-22		1	15	1
VAL280098CS		1	345	1
		1	365	1
YAT10B		1	135	1
109LH9031-4		1	65	2
109LH9031-8		1	345	1
		1	365	1
109LH90314		1	65	2
109LH90318		1	345	1
		1	365	1
109LH9074-10		1	105A	1
109LH9074-12		1	265	1
		1	285	1
109LH9074-8		1	145A	1
		1	210	4
113T1246-1		1	290	1
113T1246-2		1	370	1
113T1248-15		1	300A	1
113T1248-16		1	325B	1
113T1248-17		1	300	1
113T1248-18		1	325	1
113T1248-20		1	325C	1
113T1248-21		1	325A	1
113T1249-1		1	220A	1
113T1249-2		1	215A	1
113T1249-3		1	245A	1
113T1249-4		1	240A	1
113T1249-5		1	220	1
113T1249-6		1	215	1
113T1249-7		1	245	1
113T1249-8		1	240	1
113T1250-10		1	405	1
113T1250-4		1	405A	1
113T1250-7		1	380A	1
113T1250-8		1	405B	1
113T1250-9		1	380	1
113T1256-37		1	295	2
113T1256-38		1	375	2

57-53-21

 ILLUSTRATED PARTS LIST  
 01.1 Page 1008  
 Jul 01/03


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
113T1347-34		1	385	2
113T2101-1		1	1C	RF
113T2101-10		1	5E	RF
113T2101-11		1	1F	RF
113T2101-12		1	5F	RF
113T2101-13		1	1G	RF
113T2101-14		1	5G	RF
113T2101-17		1	1J	RF
113T2101-18		1	5J	RF
113T2101-19		1	1K	RF
113T2101-2		1	5C	RF
113T2101-20		1	5K	RF
113T2101-21		1	1L	RF
113T2101-22		1	5L	RF
113T2101-23		1	1M	RF
113T2101-24		1	5M	RF
113T2101-25		1	1N	RF
113T2101-26		1	5N	RF
113T2101-27		1	1P	RF
113T2101-28		1	5P	RF
113T2101-29		1	1Q	RF
113T2101-30		1	5Q	RF
113T2101-31		1	1R	RF
113T2101-32		1	5R	RF
113T2101-33		1	1S	RF
113T2101-34		1	5S	RF
113T2101-35		1	1T	RF
113T2101-36		1	5T	RF
113T2101-37		1	1U	RF
113T2101-38		1	5U	RF
113T2101-39		1	1V	RF
113T2101-40		1	5V	RF
113T2101-401SP		1	2F	RF
113T2101-402SP		1	6F	RF
113T2101-403G		1	2G	RF

57-53-21

 ILLUSTRATED PARTS LIST  
 01.1 Page 1009  
 Jul 01/03

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
113T2101-404G		1	6G	RF
113T2101-405SP		1	3A	RF
113T2101-406SP		1	7A	RF
113T2101-407SP		1	3B	RF
113T2101-408SP		1	7B	RF
113T2101-409SP		1	3C	RF
113T2101-41		1	1W	RF
113T2101-410SP		1	7C	RF
113T2101-411SP		1	3H	RF
113T2101-412SP		1	7H	RF
113T2101-42		1	5W	RF
113T2101-47		1	1Z	RF
113T2101-48		1	5Z	RF
113T2101-49SP		1	2C	RF
113T2101-50SP		1	6C	RF
113T2101-51SP		1	2D	RF
113T2101-52SP		1	6D	RF
113T2101-53SP		1	2E	RF
113T2101-54SP		1	6E	RF
113T2101-57SP		1	2T	RF
113T2101-58SP		1	6T	RF
113T2101-59SP		1	2U	RF
113T2101-60SP		1	6U	RF
113T2101-61SP		1	2V	RF
113T2101-62SP		1	6V	RF
113T2101-63SP		1	2W	RF
113T2101-64SP		1	6W	RF
113T2101-65SP		1	2X	RF
113T2101-66SP		1	6X	RF
113T2101-67SP		1	2Y	RF
113T2101-68SP		1	6Y	RF
113T2101-69SP		1	2Z	RF
113T2101-7		1	1D	RF
113T2101-70SP		1	6Z	RF
113T2101-71SP		1	3	RF

# 57-53-21

 ILLUSTRATED PARTS LIST  
 01.1 Page 1010  
 Jul 01/03


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
113T2101-72SP		1	7	RF
113T2101-73SP		1	3D	RF
113T2101-74SP		1	7D	RF
113T2101-75SP		1	3E	RF
113T2101-76SP		1	7E	RF
113T2101-77SP		1	3F	RF
113T2101-78SP		1	7F	RF
113T2101-79SP		1	3G	RF
113T2101-8		1	5D	RF
113T2101-80SP		1	7G	RF
113T2101-9		1	1E	RF
113T2104-23		1	140	1
113T2106-1		1	105	1
113T2106-15		1	150A	1
113T2106-16		1	110A	1
113T2106-2		1	145	1
113T2106-3		1	110	1
113T2106-4		1	150	1
113T2108-1		1	120	1
113T2108-2		1	130	1
113T2201-1SP		1	160	1
113T2201-10		1	165B	1
113T2201-11SP		1	160C	1
113T2201-12SP		1	165C	1
113T2201-17		1	160E	1
113T2201-18		1	165E	1
113T2201-19SP		1	160F	1
113T2201-2SP		1	165	1
113T2201-20SP		1	165F	1
113T2201-21		1	160G	1
113T2201-22		1	165G	1
113T2201-23SP		1	160H	1
113T2201-24SP		1	165H	1
113T2201-25SP		1	160J	1
113T2201-26SP		1	165J	1

57-53-21

 ILLUSTRATED PARTS LIST  
 01.1 Page 1011  
 Jul 01/03



PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
113T2201-27		1	160K	1
113T2201-28		1	165K	1
113T2201-29SP		1	160L	1
113T2201-30SP		1	165L	1
113T2201-35		1	160M	1
113T2201-36		1	165M	1
113T2201-36SP		1	166D	1
113T2201-37SP		1	160N	1
113T2201-38SP		1	165N	1
113T2201-39SP		1	160P	1
113T2201-40SP		1	165P	1
113T2201-401SP		1	160R	1
113T2201-402SP		1	165R	1
113T2201-403G		1	160S	1
113T2201-404G		1	165S	1
113T2201-405SP		1	161B	1
113T2201-406SP		1	166C	1
113T2201-41SP		1	160Q	1
		1	161	1
113T2201-42SP		1	165Q	1
		1	166A	1
113T2201-45SP		1	160Y	1
113T2201-46SP		1	165Z	1
113T2201-47SP		1	160Z	1
113T2201-48SP		1	166	1
113T2201-49SP		1	161A	1
113T2201-50SP		1	166B	1
113T2201-9		1	160B	1
113T2301-1SP		1	170A	1
113T2301-15		1	170E	1
113T2301-16		1	175E	1
113T2301-17		1	170F	1
113T2301-18		1	175F	1
113T2301-19		1	170G	1
113T2301-2SP		1	175A	1
113T2301-20		1	175G	1
113T2301-25		1	170H	1
113T2301-26		1	175H	1
113T2301-27		1	170J	1
113T2301-28		1	175J	1
113T2301-29		1	170K	1
113T2301-30		1	175K	1
113T2301-31SP		1	170L	1
113T2301-32SP		1	175L	1
113T2301-33SP		1	170M	1
113T2301-34SP		1	175M	1

57-53-21

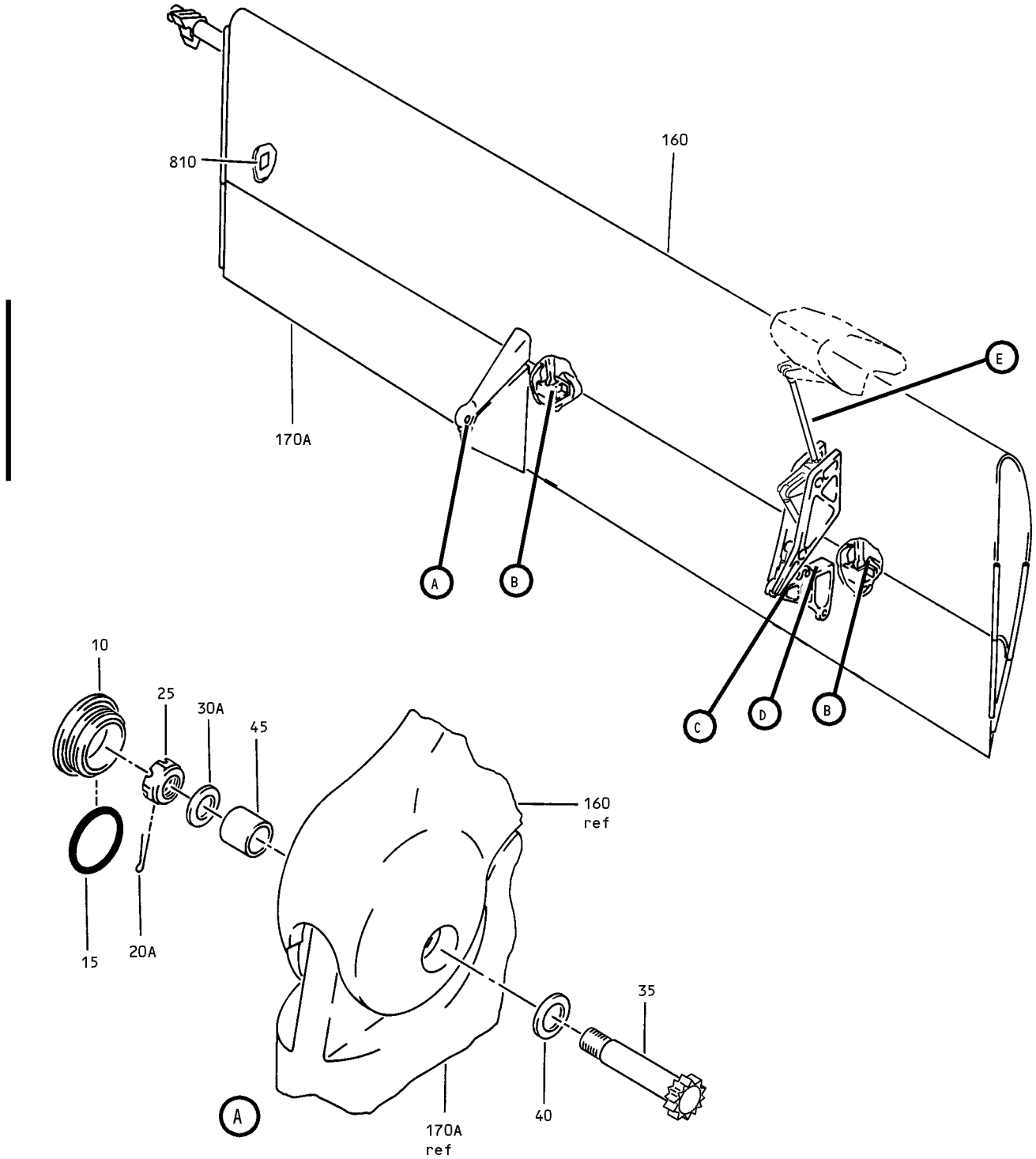
 ILLUSTRATED PARTS LIST  
 01.1 Page 1012  
 Jul 01/03


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
113T2301-35SP		1	170N	1
113T2301-5		1	170B	1
113T2301-6		1	175B	1
113T2301-7SP		1	170C	1
113T2301-8SP		1	175C	1
113T2340-5		1	10	1
13-06-22		1	15	1
2-22S383-70		1	15	1
313T1347-33		1	315	2
60B00178-651		1	155B	1
67832AS4		1	65	2
67832AS428		1	65	2
67832AS8		1	345	1
		1	365	1
67832AS820		1	345	1
		1	365	1
678328CS		1	345	1
		1	365	1
69235-1018CM		1	105A	1
69235-1216CM		1	265	1
		1	285	1
69235-820CM		1	145A	1
		1	210	4

57-53-21

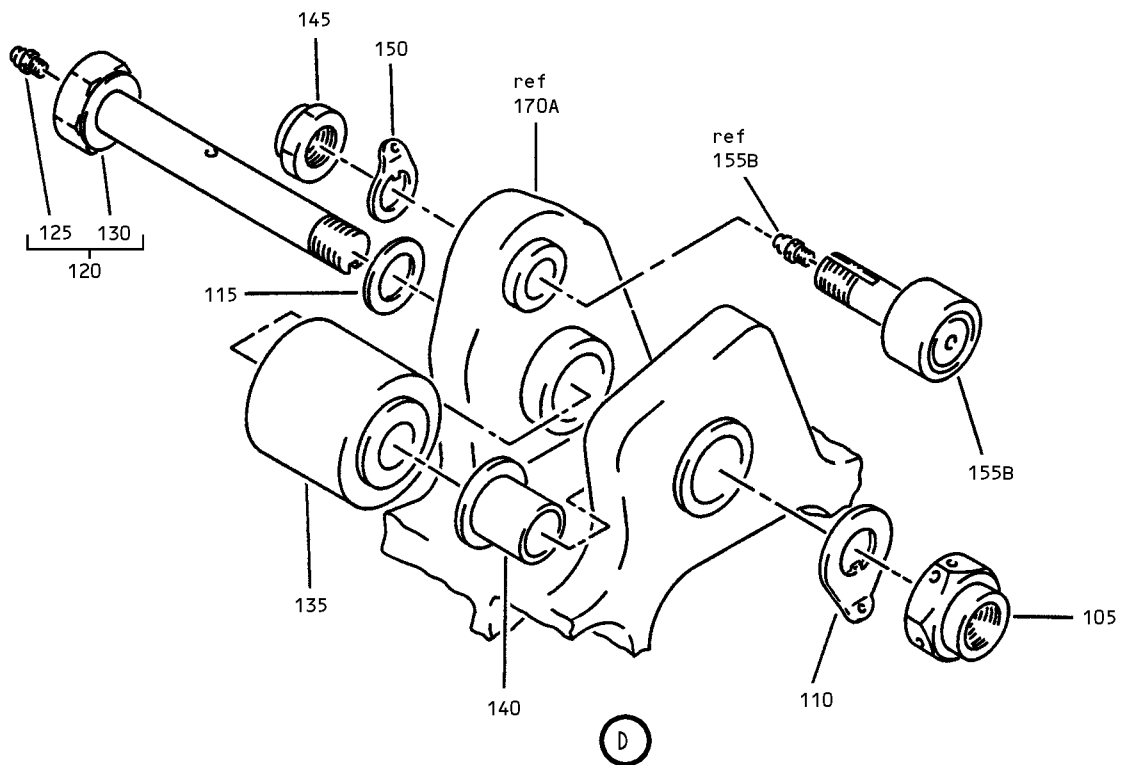
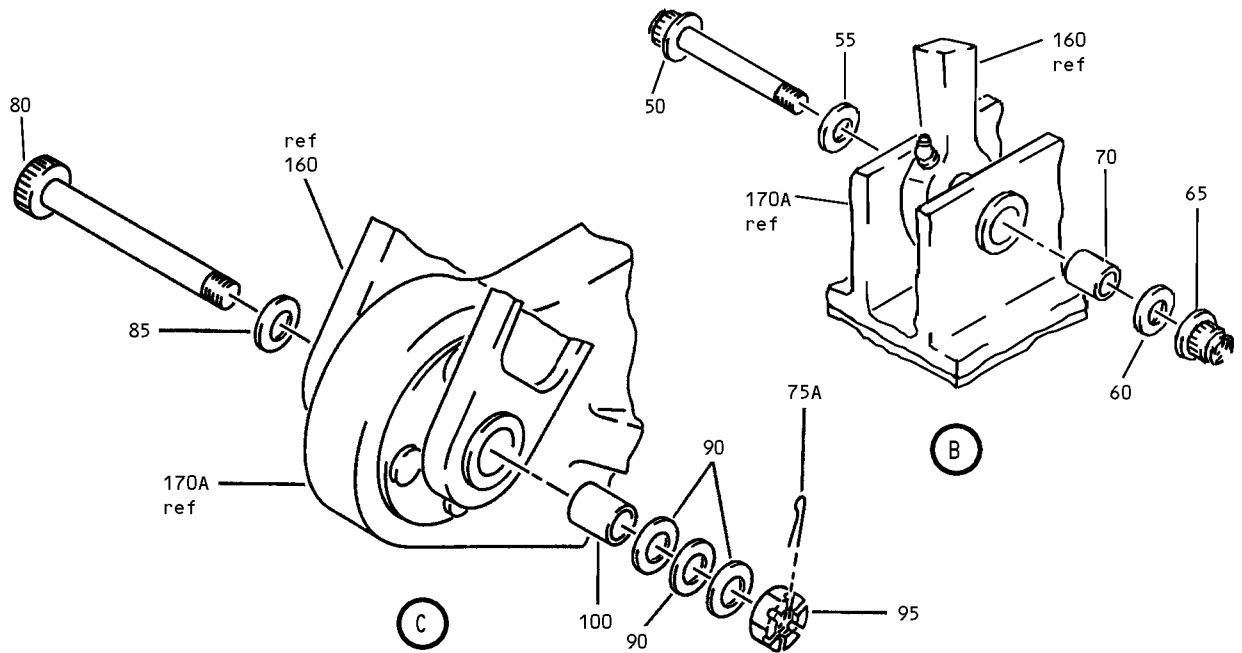
 ILLUSTRATED PARTS LIST  
 01.1 Page 1013  
 Jul 01/03



Inboard Trailing Edge Flap Assembly  
Figure 1 (Sheet 1)

**57-53-21**

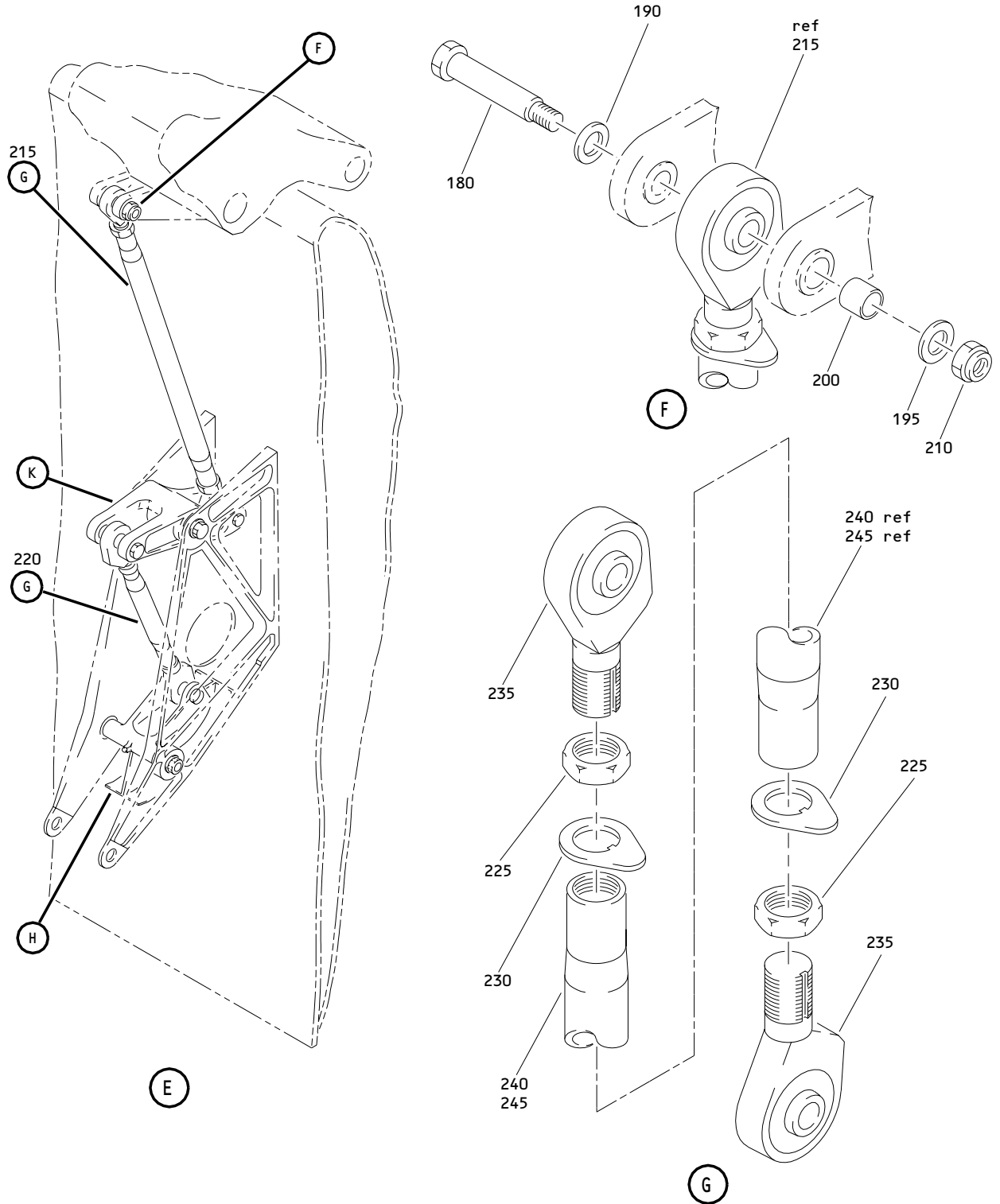
ILLUSTRATED PARTS LIST  
01.1 Page 1015  
Jul 01/03



Inboard Trailing Edge Flap Assembly  
 Figure 1 (Sheet 2)

**57-53-21**

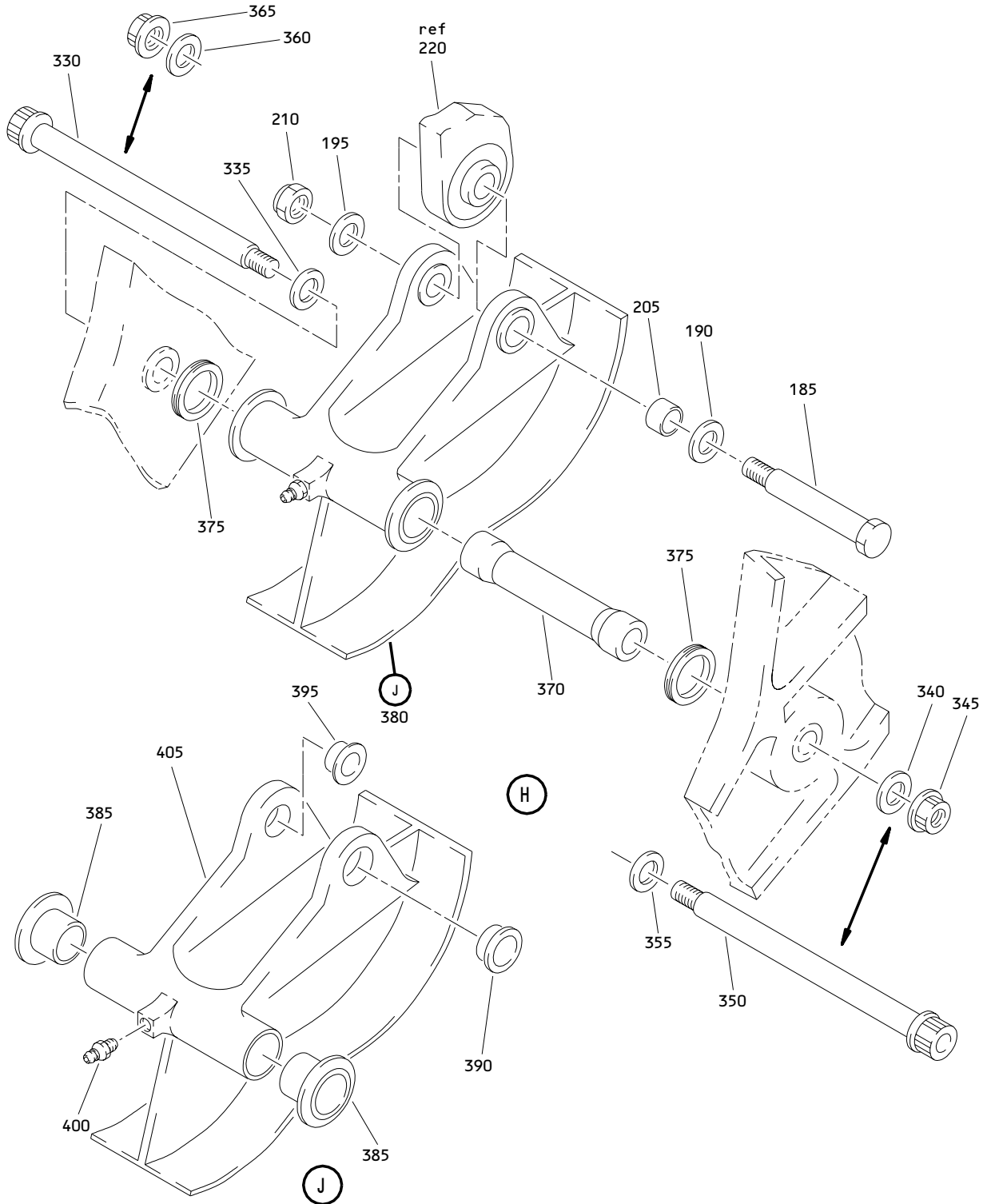
ILLUSTRATED PARTS LIST  
 01.1 Page 1016  
 Jul 01/03



Inboard Trailing Edge Flap Assembly  
 Figure 1 (Sheet 3)

**57-53-21**

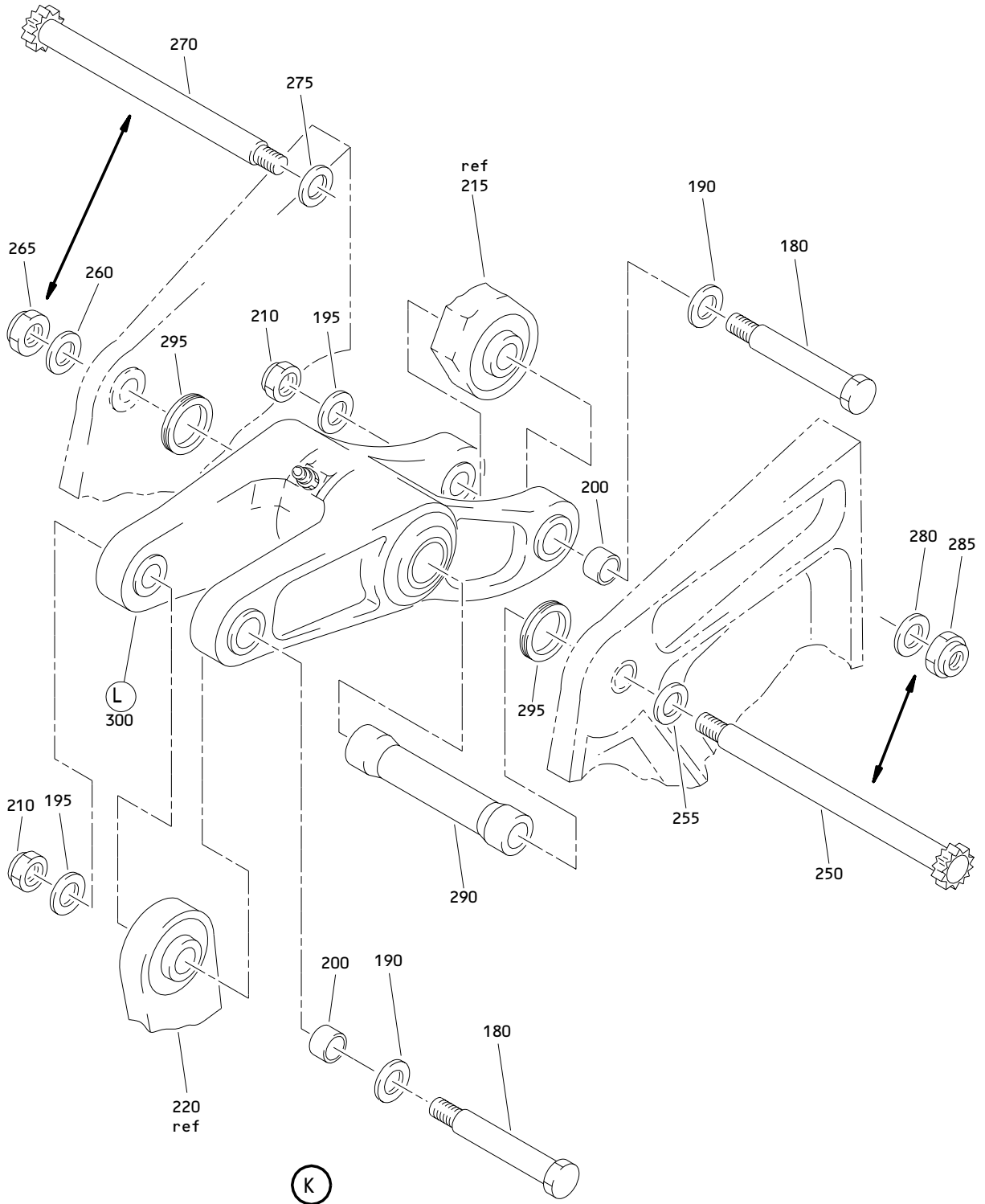
ILLUSTRATED PARTS LIST  
 01.1 Page 1017  
 Jul 01/03



Inboard Trailing Edge Flap Assembly  
 Figure 1 (Sheet 4)

**57-53-21**

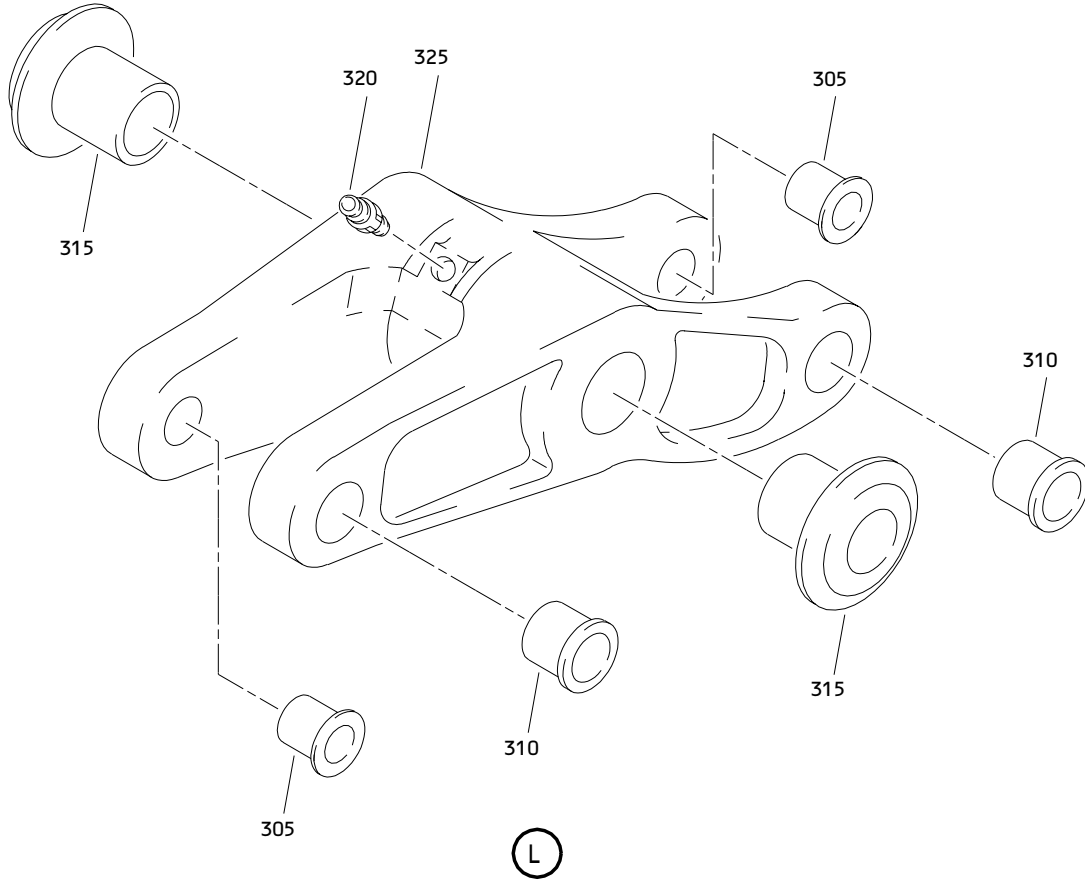
ILLUSTRATED PARTS LIST  
 01.1 Page 1018  
 Jul 01/03



Inboard Trailing Edge Flap Assembly  
Figure 1 (Sheet 5)

**57-53-21**

ILLUSTRATED PARTS LIST  
01.1 Page 1019  
Jul 01/03



Inboard Trailing Edge Flap Assembly  
Figure 1 (Sheet 6)

**57-53-21**

ILLUSTRATED PARTS LIST  
01.1 Page 1020  
Jul 01/03




**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
-1	113T2101-1SP		DELETED		
-1A	113T2101-5		DELETED		
-1B	113T2101-5SP		DELETED		
-1C	113T2101-1		FLAP ASSY-INBD TE FLAP (LH) (PRE SB 767-27-0080)	A	RF
-1D	113T2101-7		FLAP ASSY-INBD TE FLAP (VARIABLE) (LH)	B	RF
-1E	113T2101-9		FLAP ASSY-INBD TE FLAP (VARIABLE) (LH)	E	RF
-1F	113T2101-11		FLAP ASSY-INBD TE FLAP (VARIABLE) (LH)	G	RF
-1G	113T2101-13		FLAP ASSY-INBD TE FLAP (LH)	J	RF
-1H	113T2101-15		DELETED		
-1J	113T2101-17		FLAP ASSY-INBD TE FLAP (VARIABLE) (LH)	N	RF
-1K	113T2101-19		FLAP ASSY-INBD TE FLAP (VARIABLE) (LH)	P	RF
-1L	113T2101-21		FLAP ASSY-INBD TE FLAP (VARIABLE) (LH)	Q	RF
-1M	113T2101-23		FLAP ASSY-INBD TE FLAP (LH)	K	RF
-1N	113T2101-25		FLAP ASSY-INBD TE FLAP (VARIABLE) (LH)	U	RF
-1P	113T2101-27		FLAP ASSY-INBD TE FLAP (LH) (POST SB 767-27-0080)	W	RF
-1Q	113T2101-29		FLAP ASSY-INBD TE FLAP (VARIABLE) (LH)	X	RF
-1R	113T2101-31		FLAP ASSY-INBD TE FLAP (LH)	AA	RF
-1S	113T2101-33		FLAP ASSY-INBD TE FLAP (VARIABLE) (LH)	AC	RF
-1T	113T2101-35		FLAP ASSY-INBD TE FLAP (VARIABLE) (LH)	AE	RF
-1U	113T2101-37		FLAP ASSY-INBD TE FLAP (VARIABLE) (LH)	AG	RF
-1V	113T2101-39		FLAP ASSY-INBD TE FLAP (LH)	AH	RF
-1W	113T2101-41		FLAP ASSY-INBD TE FLAP (VARIABLE) (LH)	AJ	RF
-1X	113T2101-43		DELETED		
-1Y	113T2101-45		DELETED		
-1Z	113T2101-47		FLAP ASSY-INBD TE FLAP (VARIABLE) (LH)	AS	RF
-2	113T2101-49G		DELETED		
-2A	113T2101-49H		DELETED		
-2B	113T2101-51		DELETED		
-2C	113T2101-49SP		FLAP ASSY-INBD TE FLAP (LH)	AK	RF
-2D	113T2101-51SP		FLAP ASSY-INBD TE FLAP (LH)	AU	RF

57-53-21

ILLUSTRATED PARTS LIST

01.1

Page 1021

Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
-2E	113T2101-53SP		FLAP ASSY-INBD TE FLAP (LH)	AP	RF
-2F	113T2101-401SP		FLAP ASSY-INBD TE FLAP (LH)	AW	RF
R -2G	113T2101-403G		FLAP ASSY-INBD TE FLAP (LH)	AY	RF
-2H	113T2101-57G		DELETED		
-2J	113T2101-59G		DELETED		
-2K	113T2101-61G		DELETED		
-2L	113T2101-63G		DELETED		
-2M	113T2101-65G		DELETED		
-2N	113T2101-67G		DELETED		
-2P	113T2101-69G		DELETED		
-2Q	113T2101-71G		DELETED		
-2R	113T2101-405G		DELETED		
-2S	113T2101-407G		DELETED		
R -2T	113T2101-57SP		FLAP ASSY-INBD TE FLAP (LH)	BA	RF
R -2U	113T2101-59SP		FLAP ASSY-INBD TE FLAP (LH)	BB	RF
R -2V	113T2101-61SP		FLAP ASSY-INBD TE FLAP (LH)	BC	RF
R -2W	113T2101-63SP		FLAP ASSY-INBD TE FLAP (LH)	BD	RF
R -2X	113T2101-65SP		FLAP ASSY-INBD TE FLAP (LH)	BJ	RF
R -2Y	113T2101-67SP		FLAP ASSY-INBD TE FLAP (LH)	BK	RF
R -2Z	113T2101-69SP		FLAP ASSY-INBD TE FLAP (LH)	BN	RF
R -3	113T2101-71SP		FLAP ASSY-INBD TE FLAP (LH)	BP	RF
R -3A	113T2101-405SP		FLAP ASSY-INBD TE FLAP (LH)	BS	RF
R -3B	113T2101-407SP		FLAP ASSY-INBD TE FLAP (LH)	BU	RF
R -3C	113T2101-409SP		FLAP ASSY-INBD TE FLAP (LH)	BW	RF
R -3D	113T2101-73SP		FLAP ASSY-INBD TE FLAP (LH)	BY	RF
R -3E	113T2101-75SP		FLAP ASSY-INBD TE FLAP (LH)	CA	RF
R -3F	113T2101-77SP		FLAP ASSY-INBD TE FLAP (LH)	CC	RF
R -3G	113T2101-79SP		FLAP ASSY-INBD TE FLAP (LH)	CE	RF
R -3H	113T2101-411SP		FLAP ASSY-INBD TE FLAP (LH)	CG	RF
-5	113T2101-2SP		DELETED		
-5A	113T2101-6		DELETED		
-5B	113T2101-6SP		DELETED		
-5C	113T2101-2		FLAP ASSY-INBD TE FLAP (RH) (PRE SB 767-27-0080)	C	RF
-5D	113T2101-8		FLAP ASSY-INBD TE FLAP (VARIABLE) (RH)	D	RF
-5E	113T2101-10		FLAP ASSY-INBD TE FLAP (VARIABLE) (RH)	F	RF
-5F	113T2101-12		FLAP ASSY-INBD TE FLAP (VARIABLE) (RH)	H	RF
-5G	113T2101-14		FLAP ASSY-INBD TE FLAP (RH)	L	RF
-5H	113T2101-16		DELETED		
-5J	113T2101-18		FLAP ASSY-INBD TE FLAP (VARIABLE) (RH)	R	RF

57-53-21

ILLUSTRATED PARTS LIST  
01.1 Page 1022  
Jul 01/03


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -5K	113T2101-20		FLAP ASSY-INBD TE FLAP (VARIABLE) (RH)	S	RF
-5L	113T2101-22		FLAP ASSY-INBD TE FLAP (VARIABLE) (RH)	T	RF
-5M	113T2101-24		FLAP ASSY-INBD TE FLAP (RH)	M	RF
-5N	113T2101-26		FLAP ASSY-INBD TE FLAP (VARIABLE) (RH)	V	RF
-5P	113T2101-28		FLAP ASSY-INBD TE FLAP (RH) (POST SB 767-27-0080)	Y	RF
-5Q	113T2101-30		FLAP ASSY-INBD TE FLAP (VARIABLE) (RH)	Z	RF
-5R	113T2101-32		FLAP ASSY-INBD TE FLAP (RH)	AB	RF
-5S	113T2101-34		FLAP ASSY-INBD TE FLAP (VARIABLE) (RH)	AD	RF
-5T	113T2101-36		FLAP ASSY-INBD TE FLAP (VARIABLE) (RH)	AF	RF
-5U	113T2101-38		FLAP ASSY-INBD TE FLAP (VARIABLE) (RH)	AL	RF
-5V	113T2101-40		FLAP ASSY-INBD TE FLAP (RH)	AM	RF
-5W	113T2101-42		FLAP ASSY-INBD TE FLAP (VARIABLE) (RH)	AN	RF
-5X	113T2101-44		DELETED		
-5Y	113T2101-46		DELETED		
-5Z	113T2101-48		FLAP ASSY-INBD TE FLAP (VARIABLE) (RH)	AT	RF
-6	113T2101-50G		DELETED		
-6A	113T2101-50H		DELETED		
-6B	113T2101-52		DELETED		
-6C	113T2101-50SP		FLAP ASSY-INBD TE FLAP (RH)	AQ	RF
-6D	113T2101-52SP		FLAP ASSY-INBD TE FLAP (RH)	AV	RF
-6E	113T2101-54SP		FLAP ASSY-INBD TE FLAP (RH)	AR	RF
-6F	113T2101-402SP		FLAP ASSY-INBD TE FLAP (RH)	AX	RF
R -6G	113T2101-404G		FLAP ASSY-INBD TE FLAP (RH)	AZ	RF
-6H	113T2101-58G		DELETED		
-6J	113T2101-60G		DELETED		
-6K	113T2101-62G		DELETED		
-6L	113T2101-64G		DELETED		
-6M	113T2101-66G		DELETED		
-6N	113T2101-68G		DELETED		
-6P	113T2101-70G		DELETED		
-6Q	113T2101-72G		DELETED		
-6R	113T2101-406G		DELETED		
-6S	113T2101-408G		DELETED		
R -6T	113T2101-58SP		FLAP ASSY-INBD TE FLAP (RH)	BE	RF
R -6U	113T2101-60SP		FLAP ASSY-INBD TE FLAP (RH)	BF	RF

57-53-21

ILLUSTRATED PARTS LIST

01.1

Page 1023

Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
R -6V	113T2101-62SP		FLAP ASSY-INBD TE FLAP (RH)	BG	RF
R -6W	113T2101-64SP		FLAP ASSY-INBD TE FLAP (RH)	BH	RF
R -6X	113T2101-66SP		FLAP ASSY-INBD TE FLAP (RH)	BL	RF
R -6Y	113T2101-68SP		FLAP ASSY-INBD TE FLAP (RH)	BM	RF
R -6Z	113T2101-70SP		FLAP ASSY-INBD TE FLAP (RH)	BQ	RF
R -7	113T2101-72SP		FLAP ASSY-INBD TE FLAP (RH)	BR	RF
R -7A	113T2101-406SP		FLAP ASSY-INBD TE FLAP (RH)	BT	RF
R -7B	113T2101-408SP		FLAP ASSY-INBD TE FLAP (RH)	BV	RF
R -7C	113T2101-410SP		FLAP ASSY-INBD TE FLAP (RH)	BX	RF
R -7D	113T2101-74SP		FLAP ASSY-INBD TE FLAP (RH)	BZ	RF
R -7E	113T2101-76SP		FLAP ASSY-INBD TE FLAP (RH)	CB	RF
R -7F	113T2101-78SP		FLAP ASSY-INBD TE FLAP (RH)	CD	RF
R -7G	113T2101-80SP		FLAP ASSY-INBD TE FLAP (RH)	CF	RF
R -7H	113T2101-412SP		FLAP ASSY-INBD TE FLAP (RH)	CH	RF
10	113T2340-5		.PLUG-INBD HINGE		1
15	AS568-22S32		.PACKING- (V11314) (SPEC BACP11J22) (OPT S7E183-22 (V95272)) (OPT 13-06-22 (V07096)) (OPT S424-7-2-22 (V02697)) (OPT A330-22 (V95272)) (OPT R1131-22 (V57268)) (OPT 2-22S383-70 (V02697))		1

57-53-21

 ILLUSTRATED PARTS LIST  
 01.1 Page 1024  
 Jul 01/03

**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
R 20	MS24665-302		DELETED		
20A	BACP18BC03A08P		.PIN-COTTER		1
25	BACN10JD106ASU		.NUT		1
R 30	AN960C616L		DELETED		
30A	NAS1149C0632R		.WASHER		1
35	BACB30LT6DU25		.BOLT		1
40	BACW10BP6CD		.WASHER		1
45	BACB28AK06-052		.BUSHING		1
50	BACB30LE4U22		.BOLT		2
55	BACW10BP4CD		.WASHER		2
60	BACW10BP4APU		.WASHER		2
65	H39953-4		.NUT-		2
			(V15653)		
			(SPEC BACN10HR4CS)		
			(OPT 109LH9031-4		
			(V72962))		
			(OPT 67832AS428		
			(V56878))		
			(OPT SL7059C428		
			(V11815))		
			(OPT BH00303-4		
			(V27238))		
			(OPT BH003034		
			(V27238))		
			(OPT BH003034		
			(V27238))		
			(OPT BMN5024CPD34		
			(V97928))		
			(OPT SL705094		
			(V11815))		
			(OPT 109LH90314		
			(V72962))		
			(OPT 67832AS4		
			(V56878))		
			(OPT BMN10HRCPD3-4		
			(V97928))		

**57-53-21**

ILLUSTRATED PARTS LIST  
 01.1 Page 1025  
 Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
R 70	BACB28AK04-042		.BUSHING		2
75	MS24665-302		DELETED		
R 75A	BACP18BC03A08P		.PIN-COTTER		1
80	BACB30LT6DU40		.BOLT		1
85	BACW10BP6CD		.WASHER		1
90	BACW10BP6APU		.WASHER (USE ONE TO THREE WASHERS AS REQUIRED)		AR
95	BACN10JD6ASU		.NUT		1
R 100	BACB28AK06-053		.BUSHING		AR
R -100A	BACB28AK06-057		.BUSHING		AR
R -100B	BACB28AK06-061		.BUSHING		AR
105	113T2106-1		.NUT	A-AF	1
-105A	H01-10BAC		.NUT- (V15653) (SPEC BACN10JC10CM) (OPT 109LH9074-10 (V72962)) (OPT 69235-1018CM (V56878)) (OPT BMN4122C1D2-10 (V97928))	AG-CB	1
110	113T2106-3		.WASHER	A-AF	1
-110A	113T2106-16		.WASHER	AG-CB	1
115	BACW10BP10CD		.WASHER		1
120	113T2108-1		.BOLT ASSY		1
125	MS15001-1		..FITTING		1
130	113T2108-2		..BOLT		1
135	ATL10		.BEARING- (V60380) (SPEC BACB10EU10) (OPT 10AL2426 (V92563)) (OPT YAT10B (V07484))		1

57-53-21

ILLUSTRATED PARTS LIST

01.1

Page 1026

Jul 01/03


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01-					
140	113T2104-23		.BUSHING		1
145	113T2106-2		.NUT	A-AF	1
-145A	H01-8BAC		.NUT- (V15653) (SPEC BACN10JC8CM) (OPT BMN4122C1D2-8 (V85495)) (OPT 109LH9074-8 (V72962)) (OPT 69235-820CM (V56878)) (OPT BMN4122C1D2-8 (V97928))	AG-CH	1
150	113T2106-4		.WASHER-SPECIAL	A-AF	1
-150A	113T2106-15		.WASHER-SPECIAL	AG-CH	1
155	CF2582		DELETED		
155A	CC55133		DELETED		
R 155B	CR1XBC189		.BEARING-ROLLER (V07484) (SPEC 60B00178-651)		1
160	113T2201-1SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	A,B,E	1
-160A	113T2201-5SP		DELETED		

57-53-21

ILLUSTRATED PARTS LIST

01.1

Page 1027

Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -160B	113T2201-9		.FLAP ASSY-MAIN (REF CMM 57-53-27)	G	1
-160C	113T2201-11SP		.FLAP ASSY-MAIN (-25SP I/W -19SP OR -11SP AFTER INCORPORATION OF S/B 767-57-25) (REF CMM 57-53-27)	J	1
-160D	113T2201-13		DELETED		
-160E	113T2201-17		.FLAP ASSY-MAIN (REF CMM 57-53-27)	Q	1
-160F	113T2201-19SP		.FLAP ASSY-MAIN (-21 IW -19SP SUBJECT TO COLOR PREFERENCE) (-25SP I/W -19SP OR -11SP AFTER INCORPORATION OF S/B 767-57-25.) (REF CMM 57-53-27)	K,N,P	1
-160G	113T2201-21		.FLAP ASSY-MAIN (-21 IW -19SP SUBJECT TO COLOR PREFERENCE) (-21 I/W -29SP SUBJECT TO CUSTOMERS COLOR PREFERENCE) (REF CMM 57-53-27)	U,X	1
-160H	113T2201-23SP		.FLAP ASSY-MAIN (-11SP OR -19SP AFTER INCORPORATION OF S/B 767-57-25 I/W -23SP) (113T2201-23SP I/W 113T2201-27 SUBJECT TO CUSTOMER PREFERENCE) (REF CMM 57-53-27)	W	1
-160J	113T2201-25SP		.FLAP ASSY-MAIN (-25SP I/W -19SP OR -11SP AFTER INCORPORATION OF S/B 767-57-25) (REF CMM 57-53-27)	AA	1
-160K	113T2201-27		.FLAP ASSY-MAIN (113T2201-23SP I/W 113T2201-27 SUBJECT TO CUSTOMER PREFERENCE) (REF CMM 57-53-27)	AC,AE ,AG,A J	1

# 57-53-21

ILLUSTRATED PARTS LIST

01.1

Page 1028

Jul 01/03




**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -160L	113T2201-29SP		.FLAP ASSY-MAIN (113T2201-35 I/W -29SP DEPENDING ON COLOR PREFERENCE) (-21 I/W -29SP SUBJECT TO CUSTOMERS COLOR PREFERENCE) (REF CMM 57-53-27)	AH	1
-160M	113T2201-35		.FLAP ASSY-MAIN (113T2201-35 I/W -29SP DEPENDING ON COLOR PREFERENCE) (113T2201-37SP I/W -35 DEPENDING ON COLOR PREFERENCE) (REF CMM 57-53-27)	AS	1
-160N	113T2201-37SP		.FLAP ASSY-MAIN (113T2201-37SP I/W -35 DEPENDING ON COLOR PREFERENCE) (REF CMM 57-53-27)	AK	1
-160P	113T2201-39SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	AU	1
-160Q	113T2201-41SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	AP	1
-160R	113T2201-401SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	AW	1
R -160S	113T2201-403G		.FLAP ASSY-MAIN (REF CMM 57-53-27)	AY,BS	1
-160T	113T2201-45G		DELETED		
-160U	113T2201-47G		DELETED		
-160V	113T2201-41G		DELETED		
-160W	113T2201-49G		DELETED		
-160X	113T2201-405G		DELETED		
R -160Y	113T2201-45SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	BC,BD ,CC,C E	1
R -160Z	113T2201-47SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	BJ,BK ,BY, CA	1
R -161	113T2201-41SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	BA,BB	1
R -161A	113T2201-49SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	BN-BP	1

57-53-21

ILLUSTRATED PARTS LIST

01.1

Page 1029

Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01- -161B	113T2201-405SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	BU,BW ,CG	1
-165	113T2201-2SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	C,D,F	1
-165A	113T2201-6SP		DELETED		
-165B	113T2201-10		.FLAP ASSY-MAIN (REF CMM 57-53-27)	H	1
-165C	113T2201-12SP		.FLAP ASSY-MAIN (26SP I/W -20SP OR -12SP AFTER INCORPORATION OF S/B 767-57-25) (REF CMM 57-53-27)	L	1
-165D	113T2201-14		DELETED		
-165E	113T2201-18		.FLAP ASSY-MAIN (REF CMM 57-53-27)	T	1
-165F	113T2201-20SP		.FLAP ASSY-MAIN (-22 IW -20SP SUBJECT TO COLOR PREFERENCE) (-26SP I/W -20SP OR -12SP AFTER INCORPORATION OF S/B 767-57-25.) (REF CMM 57-53-27)	M,R,S	1
-165G	113T2201-22		.FLAP ASSY-MAIN (-22 I/W -30SP SUBJECT TO CUSTOMERS COLOR PREFERENCE) (REF CMM 57-53-27)	V,Z	1
-165H	113T2201-24SP		.FLAP ASSY-MAIN (-12SP OR -20SP AFTER INCORPORATION OF S/B 767-57-25 I/W -24SP) (113T2201-24SP I/W 113T2201-28 SUBJECT TO CUSTOMER PREFERENCE) (REF CMM 57-53-27)	Y	1
-165J	113T2201-26SP		.FLAP ASSY-MAIN (-26SP I/W -20SP OR -12SP AFTER INCORPORATION OF S/B767-57-25.) (REF CMM 57-53-27)	AB	1

# 57-53-21

 ILLUSTRATED PARTS LIST  
 01.1 Page 1030  
 Jul 01/03


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -165K	113T2201-28		.FLAP ASSY-MAIN (113T2201-24SP I/W 113T2201-28 SUBJECT TO CUSTOMER PREFERENCE) (REF CMM 57-53-27)	AD,AF ,AL,AN	1
-165L	113T2201-30SP		.FLAP ASSY-MAIN (113T2201-36 I/W -30SP DEPENDING ON COLOR PREFERENCE) (-22 I/W -30SP SUBJECT TO CUSTOMERS COLOR PREFERENCE) (REF CMM 57-53-27)	AM	1
-165M	113T2201-36		.FLAP ASSY-MAIN (113T2201-36 I/W -30SP DEPENDING ON COLOR PREFERENCE) (113T2201-38SP I/W -36 DEPENDING ON COLOR PREFERENCE) (REF CMM 57-53-27)	AT	1
-165N	113T2201-38SP		.FLAP ASSY-MAIN (113T2201-38SP I/W -36 DEPENDING ON COLOR PREFERENCE) (REF CMM 57-53-27)	AQ	1
-165P	113T2201-40SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	AV	1
-165Q	113T2201-42SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	AR	1
-165R	113T2201-402SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	AX	1
R -165S	113T2201-404G		.FLAP ASSY-MAIN (REF CMM 57-53-27)	AZ,BT	1
-165T	113T2201-46G		DELETED		
-165U	113T2201-48G		DELETED		
-165V	113T2201-42G		DELETED		
-165W	113T2201-50G		DELETED		
-165X	113T2201-406G		DELETED		
R -165Y	113T2201-24SP		.FLAP ASSY-MAIN (CONT FROM ITEM 165H) (REF CMM 57-53-27)	Y	1
R -165Z	113T2201-46SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	BG,BH ,CD,C F	1

57-53-21

ILLUSTRATED PARTS LIST

01.1

Page 1031

Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01-166	113T2201-48SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	BL,BM ,BZ, CA	1
R -166A	113T2201-42SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	BE,BF	1
R -166B	113T2201-50SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	BQ,BR	1
R -166C	113T2201-406SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	BV,BX	1
R -166D	113T2201-36SP		.FLAP ASSY-MAIN (REF CMM 57-53-27)	CD,CF ,CH	1
R 170	113T2301-1		DELETED		
R 170A	113T2301-1SP		.FLAP ASSY-AFT (113T2301-5 MAY REPLACE -1SP FOR VB251B280 ONLY) (REF CMM 57-53-25)	A,B,E	1
-170B	113T2301-5		.FLAP ASSY-AFT (113T2301-5 MAY REPLACE -1SP FOR VB251B280 ONLY) (REF CMM 57-53-25)	G	1
R -170C	113T2301-7SP		.FLAP ASSY-AFT (-7SP INTERCHANGEABLE WITH -17 OR -29 OR -31SP DEPENDING ON COLOR PREFERENCE) (113T2301-19 I/W 113T2301-7SP SUBJECT TO CUSTOMER PREFERENCE) (-17 AND -29 I/W -7SP SUBJECT TO COLOR PREFERENCE) (FOR SPARES PROCURE 015T1415-85) (REF CMM 57-53-25)	J,K,N ,P,W, AA,AH	1
-170D	113T2301-11		DELETED		
-170E	113T2301-15		.FLAP ASSY-AFT (REF CMM 57-53-25)	Q	1
-170F	113T2301-17		.FLAP ASSY-AFT (-17 I/W -7SP SUBJECT TO COLOR PREFERENCE) (REF CMM 57-53-25)	U,X	1

# 57-53-21

ILLUSTRATED PARTS LIST

01.1

Page 1032

Jul 01/03


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
01- -170G	113T2301-19		.FLAP ASSY-AFT (113T2301-19 I/W 113T2301-7SP SUBJECT TO CUSTOMER PREFERENCE) (REF CMM 57-53-25)	AC	1
-170H	113T2301-25		.FLAP ASSY-AFT (REF CMM 57-53-25)	AE,AJ	1
-170J	113T2301-27		.FLAP ASSY-AFT (REF CMM 57-53-25)	AG	1
-170K	113T2301-29		.FLAP ASSY-AFT (-29 INTERCHANGEABLE WITH -7SP OR -31SP DEPENDING ON CUSTOMER COLOR PREFERENCE) (REF CMM 57-53-25)	AS	1
R -170L	113T2301-31SP		.FLAP ASSY-AFT (-31SP INTERCHANGEABLE WITH -7SP OR -29 DEPENDING ON COLOR PREFERENCE) (REF CMM 57-53-25)	AK,AP ,AU,A W,AY, BA-BD ,BJ BK,B N-BP, BS,BU BW,BY	1
R -170M	113T2301-33SP		.FLAP ASSY-AFT (REF CMM 57-53-25)	,CA	1
R -170N	113T2301-35SP		.FLAP ASSY-AFT (REF CMM 57-53-25)	CC,CE ,CG	1
-175 R 175A	113T2301-2 113T2301-2SP		DELETED .FLAP ASSY-AFT (113T2301-6 MAY REPLACE -2SP FOR VB251B280 ONLY) (REF CMM 57-53-25)	C,D,F	1
-175B	113T2301-6		.FLAP ASSY-AFT (113T2301-6 MAY REPLACE -2SP FOR VB251B280 ONLY) (REF CMM 57-53-25)	H	1

57-53-21

 ILLUSTRATED PARTS LIST  
 01.1 Page 1033  
 Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01- -175C	113T2301-8SP		.FLAP ASSY-AFT (-8SP INTERCHANGEABLE WITH -18 OR -30 OR -32SP DEPENDING ON COLOR PREFERENCE) (113T2301-20 I/W 113T2301-8SP SUBJECT TO CUSTOMER PREFERENCE) (-18 AND -30 I/W -8SP SUBJECT TO COLOR PREFERENCE) (FOR SPARES PROCURE 015T1415-86) (REF CMM 57-53-25)	L,M,R ,S,Y, AB,AM	1
-175D	113T2301-12		DELETED		
-175E	113T2301-16		.FLAP ASSY-AFT (REF CMM 57-53-25)	T	1
-175F	113T2301-18		.FLAP ASSY-AFT (-18 I/W -8SP SUBJECT TO COLOR PREFERENCE) (REF CMM 57-53-25)	V,Z	1
-175G	113T2301-20		.FLAP ASSY-AFT (113T2301-20 I/W 113T2301-8SP SUBJECT TO CUSTOMER PREFERENCE) (REF CMM 57-53-25)	AD	1
-175H	113T2301-26		.FLAP ASSY-AFT (REF CMM 57-53-25)	AF,AN	1
-175J	113T2301-28		.FLAP ASSY-AFT (REF CMM 57-53-25)	AL	1
-175K	113T2301-30		.FLAP ASSY-AFT (-30 INTERCHANGEABLE WITH -8SP OR -32SP DEPENDING ON COLOR PREFERENCE) (REF CMM 57-53-25)	AT	1
-175L	113T2301-32SP		.FLAP ASSY-AFT (-32SP INTERCHANGEABLE WITH -8SP OR -30 DEPENDING ON COLOR PREFERENCE) (REF CMM 57-53-25)	AQ,AR ,AV,A X,AZ, BE-BH ,BL BM,BQ ,BR,B T,BV	1

# 57-53-21

 ILLUSTRATED PARTS LIST  
 01.1 Page 1034  
 Jul 01/03


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01- -175M	113T2301-34SP		.FLAP ASSY-AFT (REF CMM 57-53-25)	BY,BZ ,CB	1
R 180	BACB30NR8K34		.BOLT	BA-CH	3
R 185	BACB30NR8K28		.BOLT	BA-CH	1
R 190	BACW10BP8CD		.WASHER	BA-CH	4
R 195	BACW10BP8DP		.WASHER	BA-CH	4
R 200	BACB28AK08-058		.BUSHING	BA-CH	3
R 205	BACB28AK08-040		.BUSHING	BA-CH	1
R 210	H01-8BAC		.NUT- (V15653) (SPEC BACN10JC8CM) (OPT BMN4122C1D2-8 (V85495)) (OPT 109LH9074-8 (V72962)) (OPT 69235-820CM (V56878)) (OPT BMN4122C1D2-8 (V97928))	BA-CH	4
R 215	113T1249-6		.ROD ASSY	BA,BC ,BE,B G,BJ, BL,BN ,BQ CC,CD ,CG,C H	1
R -215A	113T1249-2		.ROD ASSY	BB,BD ,BF,B H,BK, BM,BP ,BR BY-CB ,CE,C F	1

57-53-21

ILLUSTRATED PARTS LIST

01.1

Page 1035

Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01-220	113T1249-5		.ROD ASSY	BA,BC ,BE,B G,BJ, BL,BN ,BQ CC,CD ,CG,C H	1
R -220A	113T1249-1		.ROD ASSY	BB,BD ,BF,B H,BK, BM,BP ,BR BY-CB ,CE,C F	1
R 225	NAS509-10		..NUT	BA-CH	2
R 230	NAS513-10		..WASHER	BA-CH	2
R 235	SM8-10A1-501		..BEARING- (V77896)	BA-CH	2
R 240	113T1249-8		..TUBE-SWAGED (SPEC S012T236-8) (USED ON ITEM 215)	BA,BC ,BE,B G,BJ, BL,BQ ,CC CD,CG ,CH	1
R -240A	113T1249-4		..TUBE-SWAGED (USED ON ITEM 215A)	BB,BD ,BF,B H,BK, BM,BP ,BR BY-CB ,CE,C F	1

# 57-53-21

 ILLUSTRATED PARTS LIST  
 01.1 Page 1036  
 Jul 01/03




**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01-245	113T1249-7		..TUBE-SWAGED (USED ON ITEM 220)	BA,BC ,BE,B G,BJ, BL,BQ ,CC CD,CG ,CH	1
R -245A	113T1249-3		..TUBE-SWAGED (USED ON ITEM 220A)	BB,BD ,BF,B H,BK, BM,BP ,BR BY-CB ,CE,C F	1
R 250	BACB30LT12U72		.BOLT	BA,BB ,BC,B D,BJ, BK,BN ,BP BS,BU ,BW, CA,CC ,CE,C G	1
R 255	BACW10BP12CD		.WASHER	BA,BB ,BC,B D,BJ, BK,BN ,BP BS,BU ,BW, CA,CC ,CE,C G	1

57-53-21

ILLUSTRATED PARTS LIST

01.1

Page 1037

Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01-260	BACW10BP12DP		.WASHER	BA, BB ,BC, B D, BJ, BK, BN ,BP BS, BU ,BW, CA, CC ,CE, C G	1
R 265	H01-12BAC		.NUT- (V15653) (SPEC BACN10JC12CM) (OPT 109LH9074-12 (V72962)) (OPT 69235-1216CM (V56878)) (OPT BMN4122C1D2-12 (V97928))	BA, BB ,BC, B D, BJ, BK, BN ,BP BS, BU ,BW, CA, CC ,CE, C G	1
R 270	BACB30LT12U72		.BOLT	BE, BF ,BG, B H, BL, BM, BQ ,BR BT, BV ,BX, CB, CD ,CF, C H	1
R 275	BACW10BP12CD		.WASHER	BE, BF ,BG, B H, BL, BM, BQ ,BR BT, BV ,BX, CB, CD ,CF, C	1

# 57-53-21

ILLUSTRATED PARTS LIST

01.1 Page 1038

Jul 01/03


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01-280	BACW10BP12DP		.WASHER	H BE,BF ,BG,B H,BL, BM,BQ ,BR BT,BV ,BX, CB,CD ,CF,C H	1
R 285	H01-12BAC		.NUT- (V15653) (SPEC BACN10JC12CM) (OPT 109LH9074-12 (V72962)) (OPT 69235-1216CM (V56878)) (OPT BMN4122C1D2-12 (V97928))	H BE,BF ,BG,B H,BL, BM,BQ ,BR BT,BV ,BX, CB,CD ,CF,C H	1
R 290	113T1246-1		.BUSHING	H BA,BB ,BC,B D,BJ, BK,BN ,BP BS-CH	1
R 295	113T1256-37		.SEAL	H BA,BB ,BC,B D,BJ, BK,BN ,BP BS-CH	2

57-53-21

ILLUSTRATED PARTS LIST

01.1

Page 1039

Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01-300	113T1248-17		.CRANK ASSY	BA,BC ,BE,B G,BJ, BL,BN ,BQ BS-BX ,CC,C D,CG, CH	1
R -300A	113T1248-15		.CRANK ASSY	BB,BD ,BF,B H,BK, BM,BR BY-CB ,CE,C F	1
R 305	BACB28AP08P040		..BUSHING	BA-CH	2
R 310	BACB28AM11B040A		..BUSHING	BA-CH	2
R 315	313T1347-33		..BUSHING	BA-CH	2
R 320	MS15001-1		..FITTING	BA-CH	1
R 325	113T1248-18		..CRANK- (OPT ITEM 325A)	BA,BC ,BE,B G,BJ, BL,BN ,BQ BS-BX ,CC,C D,CG, CH	1

# 57-53-21

ILLUSTRATED PARTS LIST

01.1 Page 1040

Jul 01/03

**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01-325A	113T1248-21		..CRANK-HOGOUT (OPT ITEM 325)	BA,BC ,BE,B G,BJ, BL,BN ,BQ BS-BX ,CC,C D,CG, CH	1
R -325B	113T1248-16		..CRANK- (OPT ITEM 325C)	BB,BD ,BF,B H,BM, BP,BR BY-CB	1
R -325C	113T1248-20		..CRANK-HOGOUT (OPT ITEM 325B)	BB,BD ,BF,B H,BM, BP,BR BY-CB	1
R 330	BACB30LE8U72		.BOLT	BA,BB ,BC,B D,BJ, BK,BN ,BP BS,BU ,BW,B Y,CA, CC,CE ,CG	1
R 335	BACW10BP8CD		.WASHER	BA,BB ,BC,B D,BJ, BK,BN ,BP BS,BU ,BW,B	1

**57-53-21**

ILLUSTRATED PARTS LIST

01.1

Page 1041

Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE	EFF CODE	QTY PER ASSY
01-			1234567		
R 340	BACW10BP8DP		.WASHER	Y,CA, CC,CE ,CG BA,BB ,BC,B D,BJ, BK,BN ,BP BS,BU ,BW,B Y,CA, CC,CE ,CG	1

**57-53-21**

 ILLUSTRATED PARTS LIST  
 01.1 Page 1042  
 Jul 01/03


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01-345	H39953-8		.NUT- (V15653) (SPEC BACN10HR8CS) (OPT 109LH9031-8 (V72962)) (OPT 67832AS820 (V56878)) (OPT BMN5024CPD3-8 (V97928)) (OPT BH00303-8 (V27238)) (OPT BMN10HRCPD3-8 (V97928)) (OPT BH003038 (V27238)) (OPT BMN5024CPD38 (V97928)) (OPT CR59088 (V62554)) (OPT H39953 (V15653)) (OPT SL705098 (V11815)) (OPT 109LH90318 (V72962)) (OPT 67832AS8 (V56878)) (OPT BH003028CS (V27238)) (OPT BMNN10HR8CS (V97928)) (OPT CR59068CS (V62554)) (OPT H968CS (V15653)) (OPT RMLH228CS (V72962)) (OPT VAL280098CS (V06710)) (OPT 678328CS (V56878))	BA, BB , BC, B D, BJ, BK, BN , BP BS, BU , BW, B Y, CA, CC, CE , CG	1

57-53-21

ILLUSTRATED PARTS LIST

01.1

Page 1043

Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01-350	BACB30LE8U72		.BOLT	BE,BF ,BG,B H,BL, BM,BQ ,BR BT,BV ,BX,B Z,CB, CD,CF ,CH	1
R 355	BACW10BP8CD		.WASHER	BE,BF ,BG,B H,BL, BM,BQ ,BR BT,BV ,BX,B Z,CB, CD,CF ,CH	1
R 360	BACW10BP8DP		.WASHER	BE,BF ,BG,B H,BL, BM,BQ ,BR BT,BV ,BX,B Z,CB, CD,CF ,CH	1

# 57-53-21

 ILLUSTRATED PARTS LIST  
 01.1 Page 1044  
 Jul 01/03




**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE	EFF CODE	QTY PER ASSY
R 01-365	H39953-8		1234567 .NUT- (V15653) (SPEC BACN10HR8CS) (OPT 109LH9031-8 (V72962)) (OPT 67832AS820 (V56878)) (OPT BMN5024CPD3-8 (V97928)) (OPT BH00303-8 (V27238)) (OPT BMN10HRCPD3-8 (V97928)) (OPT BH003038 (V27238)) (OPT BMN5024CPD38 (V97928)) (OPT CR59088 (V62554)) (OPT H39953 (V15653)) (OPT SL705098 (V11815)) (OPT 109LH90318 (V72962)) (OPT 67832AS8 (V56878)) (OPT BH003028CS (V27238)) (OPT BMNN10HR8CS (V97928)) (OPT CR59068CS (V62554)) (OPT H968CS (V15653)) (OPT RMLH228CS (V72962)) (OPT VAL280098CS (V06710)) (OPT 678328CS (V56878))	BE,BF ,BG,B H,BL, BM,BQ ,BR BT,BV ,BX,B Z,CB, CD,CF ,CH	1

57-53-21

ILLUSTRATED PARTS LIST

01.1

Page 1045

Jul 01/03

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R 01-					
R 370	113T1246-2		.BUSHING	BA-CH	1
R 375	113T1256-38		.SEAL	BA-CH	2
R 380	113T1250-9		.CAM ASSY	BA,BC ,BE-B J,BN, BQ,B S-BZ CC,CD ,CG,C H	1
R -380A	113T1250-7		.CAM ASSY	BB,BD ,BF,B H,BK, BM,BP ,BR CA,CB ,CE,C F	1
R 385	113T1347-34		..BUSHING	BA-CH	2
R 390	BACB28AM11B018A		..BUSHING	BA-CH	1
R 395	BACB28AP08P018		..BUSHING	BA-CH	1
R 400	MS15001-1		..FITTING	BA-CH	AR
R 405	113T1250-10		..CAM- (OPT ITEM 405A)	BA,BC ,BE,B F,BG, BH,BJ ,BN BQ,CC ,CD,C G,CH	1

# 57-53-21

 ILLUSTRATED PARTS LIST  
 01.1 Page 1046  
 Jul 01/03


**BOEING**  
 COMPONENT  
 MAINTENANCE MANUAL

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE	EFF CODE	QTY PER ASSY
R 01-405A	113T1250-4		1234567 ..CAM- (OPT ITEM 405)	BA,BC ,BE,B F,BG, BH,BJ ,BN BQ,CC ,CD,C G,CH	1
R -405B	113T1250-8		..CAM	BB,BD ,BF,B H,BK, BM,BP ,BR CA,CB ,CE,C F	1
810	MS27253-3F		INSTALLATION PARTS PLATE-(USED ON ITEMS 160, 165)		1

- Item Not Illustrated

# 57-53-21

ILLUSTRATED PARTS LIST

01.1

Page 1047

Jul 01/03