



# **COMPONENT MAINTENANCE MANUAL WITH ILLUSTRATED PARTS LIST**

## **AFT INBOARD FLAP FLAP ASSEMBLY**

### **PART NUMBER**

**113A2700-1, -15, -16, -17, -18, -2, -21, -22, -23, -24,  
-25, -26**

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## COMPONENT MAINTENANCE MANUAL

Revision No. 11  
Jul 01/2009

To: All holders of AFT INBOARD FLAP FLAP ASSEMBLY 57-53-09.

Attached is the current revision to this COMPONENT MAINTENANCE MANUAL

The COMPONENT MAINTENANCE MANUAL is furnished either as a printed manual, on microfilm, or digital products, or any combination of the three. This revision replaces all previous microfilm cartridges or digital products. All microfilm and digital products are reissued with all obsolete data deleted and all updated pages added.

For printed manuals, changes are indicated on the List of Effective Pages (LEP). The pages which are revised will be identified on the LEP by an R (Revised), A (Added), O (Overflow, i.e. changes to the document structure and/or page layout), or D (Deleted). Each page in the LEP is identified by Chapter-Section-Subject number, page number and page date.

Pages replaced or made obsolete by this revision should be removed and destroyed.

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TRANSMITTAL LETTER

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113A2700



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Location of Change

Description of Change

NO HIGHLIGHTS

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## COMPONENT MAINTENANCE MANUAL

### INTRODUCTION

#### 1. General

- A. The instructions in this manual supply the data necessary to do the maintenance functions together with the test, fault isolation, repair, and replacement of the defective parts.
- B. This manual is divided into different parts:
  - (1) Title Page
  - (2) Transmittal Letter
  - (3) Highlights
  - (4) List of Effective Pages
  - (5) Table of Contents
  - (6) Temporary Revision & Service Bulletin Record
  - (7) Record of Revisions
  - (8) Record of Temporary Revisions
  - (9) Introduction
  - (10) Procedures & IPL Sections
- C. Components that can be repaired have a different repair number for each specified repair. To find the repair number location of a component, look in the Repair-General procedure at the beginning of the REPAIR section. The Repair-General procedure also has an explanation of the True Position Dimension symbols used.
- D. All dimensions, measures, quantities and weights included are in English units. When metric equivalents are given they will be in the parentheses that follow the English units.
- E. The introduction to the Illustrated Parts List (IPL) shows how the IPL data is used.
- F. Design changes, optional parts, configuration differences and Service Bulletin modifications may cause different part numbers. These part numbers are identified in the IPL with an alphabetical letter which is added to the end of the basic item number. This new item number is referred to as an alpha-variant. Throughout the manual, IPL basic item number references also apply to alpha-variants unless shown differently.
- G. The tool reference numbers found in the individual procedures and in the Special Tools, Fixtures, and Equipment section are used to identify if a tool is a standard tool (STD-XXXX), a commercial tool (COM-XXXX), or a Special Tool (SPL-XXXX). This reference number is also used to distinguish between tools with similar names in the same procedure. These reference numbers are for use in the documentation only. They are not to be used for ordering tools.

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INTRODUCTION

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## COMPONENT MAINTENANCE MANUAL

### INBOARD FLAP - AFT FLAP ASSEMBLY - DESCRIPTION AND OPERATION

#### 1. Description

- A. Each wing has one outboard trailing edge flap assembly and one inboard trailing edge flap assembly. Each flap assembly has one main flap assembly and one aft flap assembly.

The aft flap assembly is attached to the push rod assemblies and aft flap track assemblies of the main flap assembly. Also, the outboard carriage assembly is attached to the lower surface of the main flap assembly. The inboard carriage assembly is attached to the torque tube of the main flap assembly.

There are four aluminum aft track support rib assemblies and two failsafe fitting assemblies attached to the trailing edge of the rear spar. Each aft track support rib assembly has four rollers which ride on the track assemblies. The failsafe fitting assemblies are connected to the failsafe links.

There are two support fitting assemblies on the leading edge of the front spar and two are on the trailing edge of the rear spar. The support fitting assemblies are connected to the carriage assemblies and linkage system which move the flap assemblies. There is one aluminum wedge on

#### 2. Operation

- A. During takeoff, the flap assemblies are extended to increase lift with low drag. During landing, the flap assemblies are fully extended to increase lift and high drag to help lower approach speed. The flap assemblies are retracted during cruise altitude. A torque tube drive system transfers movement from the flap power drive unit to the flap assemblies. The torque tube drive systems is hydraulically operated. If a failure prevents normal hydraulic operation, there is an alternate drive system which uses electric power to drive the flap assemblies.

#### 3. Leading Particulars (Approximate)

- A. Length – 83 inches
- B. Width – 26 inches
- C. Height – 3 inches
- D. Weight – 33 pounds

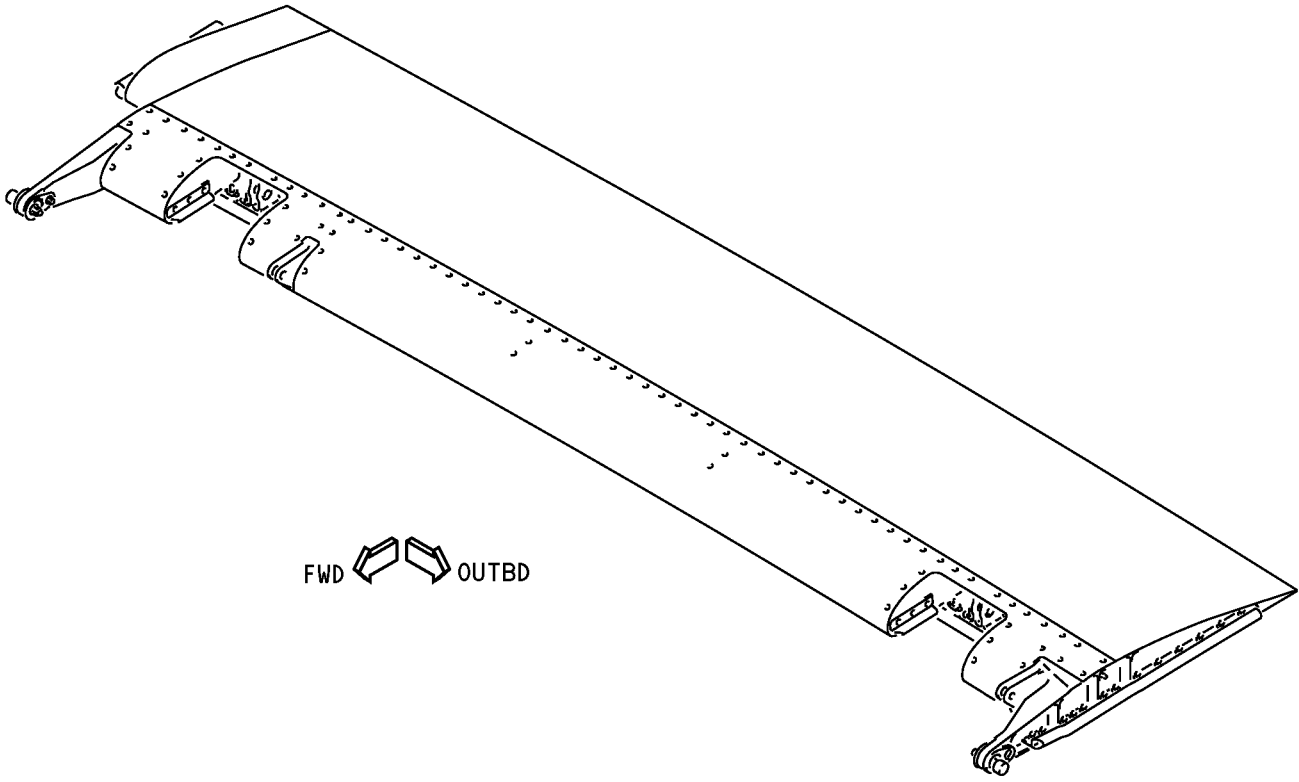
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DESCRIPTION AND OPERATION

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Inboard Flap Aft Flap Assembly  
Figure 1

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DESCRIPTION AND OPERATION

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**COMPONENT MAINTENANCE MANUAL**

**TESTING AND FAULT ISOLATION**

**(NOT APPLICABLE)**

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TESTING AND FAULT ISOLATION

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## COMPONENT MAINTENANCE MANUAL

### DISASSEMBLY

#### 1. General

- A. This procedure has the data necessary to disassemble the aft flap assembly (1A, 5).
- B. Disassemble this component sufficiently to isolate the defects, do the necessary repairs, and put the component back to a serviceable condition.
- C. Refer to the Standard Overhaul Practices Manual (SOPM) for the SOPM subjects identified in this procedure.

#### 2. Disassembly

- A. Procedure
  - (1) Use standard industry procedures to disassemble this component.

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DISASSEMBLY

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## COMPONENT MAINTENANCE MANUAL

### CLEANING

#### 1. General

- A. This procedure has the data necessary to clean the inboard flap aft flap assembly (1A, 5).
- B. Refer to the Standard Overhaul Practices Manual (SOPM) for the SOPM subjects identified in this procedure.

#### 2. Cleaning

##### A. References

| Reference     | Title                       |
|---------------|-----------------------------|
| SOPM 20-30-03 | GENERAL CLEANING PROCEDURES |

##### B. Procedure

**CAUTION:** DO NOT VAPOR DEGREASE EPOXY BONDED STRUCTURES WITH CHLORINATED CLEANING AGENTS SUCH AS METHYLENE CHLORIDE, TRICHLOROETHYLENE, AND TRICHLOROETHANE. CHLORINATED CLEANING AGENTS WILL CAUSE DAMAGE TO EPOXY BONDED STRUCTURES. 1,1,1-TRICHLOROETHANE IS ONE OF THE SOLVENTS ALLOWED FOR CLEANING COMPOSITE COMPONENTS. DO NOT SUBMERGE PARTS IN THE SOLVENT OR ALLOW STANDING SOLVENT ON THE PARTS OR DAMAGE MAY OCCUR. USE 1,1, 1-TRICHLOROETHANE ONLY AS A WIPE SOLVENT.

**CAUTION:** VAPOR DEGREASING OF TITANIUM PARTS IS RESTRICTED. SEE SOPM 20-30-03 FOR INSTRUCTION.

- (1) Use standard industry procedures and refer to SOPM 20-30-03 to clean all parts.

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CLEANING

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## COMPONENT MAINTENANCE MANUAL

### CHECK

#### 1. General

- A. This procedure has the data necessary to find defects in the material of the specified parts.
- B. Refer to FITS AND CLEARANCES for the design dimension and wear limits.
- C. Refer to the Standard Overhaul Practices Manual (SOPM) for the SOPM subjects identified in this procedure.
- D. Refer to IPL Figure 1 for item numbers.

#### 2. Check

##### A. References

| Reference                | Title  |
|--------------------------|--|
| SOPM 20-20-02            | PENETRANT METHODS OF INSPECTION                        |
| 737 NDT Part 1, 51-05-01 | Tap Test Inspection of Honeycomb Sandwich Structure    |
| 737 NDT Part 4, 51-00-02 | Full Depth Honeycomb and Laminate Structure Inspection |
| 737 NDT Part 9, 51-00-01 | Non-Destructive Testing                                |

##### B. Procedure

- (1) Use standard industry procedures to do a visual check of all the parts for defects. Do the penetrant or magnetic particle check if the visual check shows possible damage or if you suspect possible damage on the parts listed below:
- (2) Do a penetrant check (SOPM 20-20-02) of these parts:
  - (a) Retainer washer (20).
  - (b) Eccentric bushing (25)
  - (c) Rib (245, 250, 255, 260, 265, 270, 275, 280, 340, 345, 350, 350, 805, 810, 815, 820).
  - (d) Fitting (525, 530, 535, 540).
  - (e) Chord (560, 565).
  - (f) Spar (825, 830).
- (3) Do a check for cracks, corrosion, or missing potting and sealant at the ends of the panel.
  - (a) If you see delamination or impact damage when you do a visual check, do an ultrasonic inspection or a tap test to find all damage. Refer to the 737 NDT Part 4, 51-00-02 or 737 NDT Part 1, 51-05-01.
 

**NOTE:** For the tap test, use a solid metal disk and tap the surface area lightly but firmly. The void areas will produce a dull sound as opposed to a sharp sound on a solid bonded area. Refer to 737 NDT Part 1, 51-05-01.
  - (b) Do a check on areas you suspect of containing water with the radiographic or thermographic method. Refer to 737 NDT Part 9, 51-00-01.
  - (c) Do a check on the edges of the panel carefully for cuts and abrasions. Delamination starts very easily from damage to an edgemember of honeycomb panel.
- (4) Refer to the applicable 737 Structural Repair Manuals section for allowable damage and repair data.

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CHECK

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## COMPONENT MAINTENANCE MANUAL

### REPAIR

#### 1. General

- A. Instructions for repair, refinish, and replacement of the specified subassembly parts are included in each REPAIR when applicable:

**Table 601:**

| <b>PART NUMBER</b> | <b>NAME</b>                       | <b>REPAIR</b> |
|--------------------|-----------------------------------|---------------|
| —                  | REFINISH OF OTHER PARTS           | 1-1           |
| 113A2700           | INBOARD FLAP AFT FLAP ASSEMBLY    | 2-1           |
| 113A2722           | INBOARD PUSHROD FITTING ASSEMBLY  | 3-1, 3-2      |
| 113A2725           | INBOARD SUPPORT FITTING ASSEMBLY  | 4-1, 4-2      |
| 113A2726           | OUTBOARD SUPPORT FITTING ASSEMBLY | 5-1, 5-2      |

#### 2. Dimensioning Symbols

- A. Standard True Position Dimensioning Symbols used in the applicable repair procedures are shown in REPAIR-GENERAL, Figure 601.

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REPAIR - GENERAL

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- STRAIGHTNESS
- FLATNESS
- ⊥ PERPENDICULARITY (OR SQUARENESS)
- // PARALLELISM
- ROUNDNESS
- ⊙ CYLINDRICITY
- ⌒ PROFILE OF A LINE
- ⌓ PROFILE OF A SURFACE
- ◎ CONCENTRICITY
- ≡ SYMMETRY
- ∠ ANGULARITY
- ↗ RUNOUT
- ↗↗ TOTAL RUNOUT
- COUNTERBORE OR SPOTFACE
- ∇ COUNTERSINK
- ⊕ THEORETICAL EXACT POSITION OF A FEATURE (TRUE POSITION)

- ∅ DIAMETER
- S ∅ SPHERICAL DIAMETER
- R RADIUS
- SR SPHERICAL RADIUS
- ( ) REFERENCE
- BASIC A THEORETICALLY EXACT DIMENSION USED TO DESCRIBE SIZE, SHAPE OR LOCATION OF A FEATURE. FROM THIS FEATURE PERMISSIBLE VARIATIONS ARE ESTABLISHED BY TOLERANCES ON OTHER DIMENSIONS OR NOTES.
- DIM**
- A-** DATUM
- (M) MAXIMUM MATERIAL CONDITION (MMC)
- (L) LEAST MATERIAL CONDITION (LMC)
- (S) REGARDLESS OF FEATURE SIZE (RFS)
- (P) PROJECTED TOLERANCE ZONE
- FIM FULL INDICATOR MOVEMENT

EXAMPLES

- 0.002 STRAIGHT WITHIN 0.002
- ⊥** 0.002 **B** PERPENDICULAR TO DATUM B WITHIN 0.002
- //** 0.002 **A** PARALLEL TO DATUM 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
- ⌒** 0.006 **A** EACH LINE ELEMENT OF THE SURFACE AT ANY CROSS SECTION MUST LIE BETWEEN TWO PROFILE BOUNDARIES 0.006 INCH APART RELATIVE TO DATUM A
- ⌓** 0.020 **A** SURFACES MUST LIE WITHIN PARALLEL BOUNDARIES 0.020 INCH APART AND EQUALLY DISPOSED ABOUT TRUE PROFILE

- ◎** ∅ 0.0005 **C** CONCENTRIC TO DATUM C WITHIN 0.0005 DIAMETER
- ≡** 0.010 **A** SYMMETRICAL WITH DATUM A WITHIN 0.010
- ∠** 0.005 **A** ANGULAR TOLERANCE 0.005 WITH DATUM A
- ⊕** ∅ 0.002 **(S)** **B** LOCATED AT TRUE POSITION WITHIN 0.002 DIA RELATIVE TO DATUM B, REGARDLESS OF FEATURE SIZE
- ⊥** ∅ 0.010 **(M)** **A** AXIS IS TOTALLY WITHIN A CYLINDER OF 0.010 INCH DIAMETER, PERPENDICULAR TO DATUM A, AND EXTENDING 0.510 INCH ABOVE DATUM A, MAXIMUM MATERIAL CONDITION
- 2.000** THEORETICALLY EXACT DIMENSION IS 2.000  
OR  
2.000  
BSC

True Position Dimensioning Symbols  
Figure 601

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REPAIR - GENERAL

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## COMPONENT MAINTENANCE MANUAL

### REFINISH OF OTHER PARTS - REPAIR 1-1

#### 1. General

- A. This procedure has the data necessary to refinish the parts which are not given in the specified repairs.
- B. Refer to the Standard Overhaul Practice Manual (SOPM) for the SOPM subjects identified in this procedure.
- C. Refer to IPL Figure 1 for item numbers.

#### 2. Refinish of Other Parts

##### A. Consumable Materials

**NOTE:** Equivalent substitutes may be used.

| Reference | Description   | Specification         |
|-----------|---|-----------------------|
| C00033    | Coating - Exterior Protective Enamel, Flexibility Use                               | BMS10-60,<br>Type II  |
| C00175    | Primer - Urethane Compatible, Corrosion Resistant<br>(Less Than 1% Aromatic Amines) | BMS10-79,<br>Type III |
| C00259    | Primer - Chemical And Solvent Resistant Finish,<br>Epoxy Resin                      | BMS10-11,<br>Type I   |

##### B. References

| Reference     | Title                                     |
|---------------|---|
| SOPM 20-30-02 | STRIPPING OF PROTECTIVE FINISHES          |
| SOPM 20-41-01 | DECODING TABLE FOR BOEING FINISH CODES    |
| SOPM 20-44-04 | APPLICATION OF URETHANE COMPATIBLE PRIMER |
| SOPM 20-60-02 | FINISHING MATERIALS                       |

##### C. Procedure

**NOTE:** For stripping of protective finishes, refer to SOPM 20-30-02. For the decoding table for Boeing finish codes, refer to SOPM 20-41-01. For finishing materials, refer to SOPM 20-60-02

- (1) Instructions for the repair of the parts listed in REPAIR 1-1, Table 601 is for repair of the initial finish.
- (2) Refer to REPAIR 1-1, Table 601 for the refinish details.

**Table 601:** Refinish Details

| IPL FIG. & ITEM   | MATERIAL        | FINISH  |
|---|-----------------|---|
| IPL Fig. 1  |                 |   |
| Eccentric retainer (45)   | Ti-6AL-4V       | Abrasive clean and paint within four hours (F-14.882). Apply primer, C00259 (F-20.02).                                |
| Seal retainer (130, 135, 140, 145, 150, 180, 615, 620, 625, 630, 635) | 2024-0 aluminum | Chemical treat (F-17.07). Apply primer, C00175 (F-19.47) (SOPM 20-44-04). Apply enamel coating, C00033 (F-19.39-707). |

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**COMPONENT MAINTENANCE MANUAL****Table 601: Refinish Details (Continued)**

| <b>IPL FIG. &amp; ITEM</b> | <b>MATERIAL</b> | <b>FINISH</b>   |
|----------------------------|-----------------|---|
| Chord (560, 565)           | A357.0-T61      | Anodize (F-17.31). Apply primer, C00175 (F-19.47) (SOPM 20-44-04).        |
| Skin panel (770, 775)      | 2024-0 aluminum | Chemical treat (F-17.07). Apply primer, C00175 (F-19.47) (SOPM 20-44-04). |

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REPAIR 1-1

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## COMPONENT MAINTENANCE MANUAL

### INBOARD FLAP AFT FLAP ASSEMBLY - REPAIR 2-1

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#### 1. General

- A. This procedure has the data necessary to repair and refinish the inboard flap aft flap assembly (1A, 5).
- B. Refer to the Standard Overhaul Practice Manual (SOPM) for the SOPM subjects identified in this procedure.
- C. Refer to REPAIR-GENERAL, Figure 601 for the Standard True Position Dimensioning Symbols shown in the repair.
- D. Refer to IPL Figure 1 for item numbers.

#### 2. Repair Procedures

- A. Consumable Materials

**NOTE:** Equivalent substitutes may be used.

| Reference | Description   | Specification                       |
|-----------|---|-------------------------------------|
| A00247    | Sealant - Pressure And Environmental - Chromate Type                    | BMS 5-95                            |
| A01076    | Adhesive - Synthetic Rubber   | BAC5010, Type 93 (BMS5-95, Class B) |
| A50057    | Adhesive - Silicone Rubber, RTV157                                      | BAC5010, Type 60                    |
| C00033    | Coating - Exterior Protective Enamel, Flexibility Use                   | BMS10-60, Type II                   |
| C00304    | Coating - Teflon Filled, Non Decorative, Sprayable Material             | BMS 10-86 Type I                    |
| G00110    | Sponge - Silicone Rubber, Closed-Cell, General Purpose, Non-Solvent Use | BMS1-23                             |
| G50136    | Paste - Corrosion Inhibiting, Non-drying                                | BMS 3-38                            |

- B. References

| Reference     | Title                            |
|---------------|----------------------------------|
| SOPM 20-30-02 | STRIPPING OF PROTECTIVE FINISHES |
| SOPM 20-50-01 | BOLT AND NUT INSTALLATION        |
| SOPM 20-50-03 | BEARING AND BUSHING REPLACEMENT  |
| SOPM 20-50-12 | APPLICATION OF ADHESIVES         |
| SOPM 20-50-19 | GENERAL SEALING                  |
| SOPM 20-60-02 | FINISHING MATERIALS              |
| SOPM 20-60-04 | MISCELLANEOUS MATERIALS          |

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### C. Cam Follower (65A) Replacement

**NOTE:** For bolt and nut installation, refer to SOPM 20-50-01. For miscellaneous materials, refer to SOPM 20-60-04.

- (1) Remove the nut (40), washer (35), and eccentric retainer (45).
- (2) Remove the bolt (30) and the rub block (70).
- (3) Remove the nut (10A, 18), washer (15A, 19), and retainer washer (20).
- (4) Remove the damaged cam follower (65A), rub block (70) and the eccentric bushing (55) (SOPM 20-50-03).
- (5) Align slot of eccentric bushing (25) with index mark on eccentric retainer (45). Position the hole through the eccentric bushing (25) for the stud of the cam follower (65A) toward the outboard end of the lug.
  - (a) Install the eccentric bushing (25) with the eccentric retainer (45) into the bushing on the lug (SOPM 20-50-03).
- (6) Install eccentric bushing (55) into large hole of rub block (70) (SOPM 20-50-03).
  - (a) Install rub block (70) onto lug with the hole of the eccentric bushing (55) aligning with the hole of eccentric bushing (25).
  - (b) Install bolt (30), bushing (60) (SOPM 20-50-03), washer (35) and nut (40).
    - 1) Install bushing (60) (SOPM 20-50-03) as specified in SOPM 20-50-12, adhesive, A01076.
    - 2) Install nut (40) with sealant, A00247. Refer to SOPM 20-50-19, Method 2.
  - (c) For inboard flap aft flap assembly, P/N 113A2700-1, -2, -15, 16: See REPAIR 2-1, Figure 601.
    - 1) Install cam follower (65A), retainer washer (20), washer (19), and nut (18).
      - a) Make sure that the retainer washer (20) is installed with the slot in the eccentric bushing (25).
    - 2) Torque nut (18) to 95-110 pound-inches.
  - (d) For inboard flap aft flap assembly, P/N 113A2700-17, -18, -21, -22, -23, -24, -25, -26: See REPAIR 2-1, Figure 601.
    - 1) Install cam follower (65A), retainer washer (20), new washer (15A), and nut (10A).
      - a) Make sure that the retainer washer (20) is installed with the slot in the eccentric bushing (25).
      - b) Torque nut (10A) to 95-110 pound-inches.
      - c) Bend a minimum of two tabs of the washer (15A) over the nut (10A).

### D. Aero seal (155, 160) Replacement

**NOTE:** For bolt and nut installation, refer to SOPM 20-50-01. For miscellaneous materials, refer to SOPM 20-60-04.

- (1) Remove the bolts (100, 105), nuts (125), washers (110, 115, 120) and the seal retainers (130, 135, 140, 145).
- (2) Remove the damaged aero seal (155, 160) from the trailing edge bonded assembly (780, 785).
- (3) If the new aero seal (155, 160) does not have a silicone sponge rubber installed at the leading edge end, do these steps:

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- (a) Apply adhesive, A50057 (SOPM 20-50-12) on the faying surface of the sponge, G00110 rubber. Do not apply the adhesive, A50057 on the ends of the sponge, G00110 rubber.
  - (b) Install the sponge, G00110 rubber on the leading edge of the new aero seal (155, 160). The length of the sponge, G00110 rubber is 0.50-1.00 inch.
- (4) Install the new aero seal (155, 160) on the trailing edge bonded assembly (780, 785) with the seal retainers (130, 135, 140, 145), bolts (100, 105), washers (110, 115, 120) and nuts (125).

**NOTE:** For the seal retainer (130), use two washers under each nut.

For bolts (100, 105) used on assemblies 113A2700-23 thru -26, apply a thin coat of BMS 3-38 corrosion inhibiting non-drying paste, G50136 to the fastener shank and thread prior to installation.

### E. Aero seal (640, 645, 650) Replacement

**NOTE:** For bolt and nut installation, refer to SOPM 20-50-01. For miscellaneous materials, refer to SOPM 20-60-04.

- (1) Remove the bolts (590), nuts (610), washers (595, 600, 605) and the seal retainers (615, 625, 630).
- (2) Remove the damaged aero seal (640, 645, 650) from the trailing edge bonded assembly (780, 785).
- (3) If the new aero seal (640, 645, 650) does not have a silicone sponge rubber installed at the leading edge end, do these steps:
  - (a) Apply adhesive, A50057 (SOPM 20-50-12) on the faying surface of the sponge, G00110 rubber. Do not apply the adhesive, A50057 on the ends of the sponge, G00110 rubber.
  - (b) Install the sponge, G00110 rubber on the leading edge of the new aero seal (640, 645, 650). The length of the sponge, G00110 rubber is 0.50-1.00 inch.
- (4) Install the new aero seal (640, 645, 650) on the trailing edge bonded assembly (780, 785) with the seal retainers (615, 625, 630), bolts (590), washers (595, 600, 605) and nuts (610).

**NOTE:** For the seal retainer (615), use two washers under each nut.

For bolts (590) used on assemblies 113A2700-23 thru -26, apply a thin coat of BMS 3-38 corrosion inhibiting non-drying paste, G50136 to the fastener shank and thread prior to installation.

### F. Bushing Replacement

**NOTE:** For stripping of protective finishes, refer to SOPM 20-30-02. For miscellaneous materials, refer to SOPM 20-60-04.

- (1) Remove the damaged bushing (75, 80) from the trailing edge wedge bonded assembly (780, 785) (SOPM 20-50-03).
- (2) Install the new bushing (75, 80) on the trailing edge wedge bonded assembly (780, 785) with sealant, A00247. Use the shrink fit method (SOPM 20-50-03).
- (3) Ream the inside diameter of the new bushing (75, 80) to the dimensions shown in REPAIR 2-1, Figure 602.
- (4) Break all sharp edges.

### G. Refinish

**NOTE:** For stripping of protective finishes, refer to SOPM 20-30-02. For finishing materials, refer to SOPM 20-60-02.

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- (1) Apply coating, C00304 (F-14.9625) to the specified areas shown in REPAIR 2-1, Figure 603.
- (2) Apply enamel coating, C00033 (F-19.39-707) to the inboard flap assembly exterior surfaces, except bushing bores and faces, seals and stud mounted roller bearings.

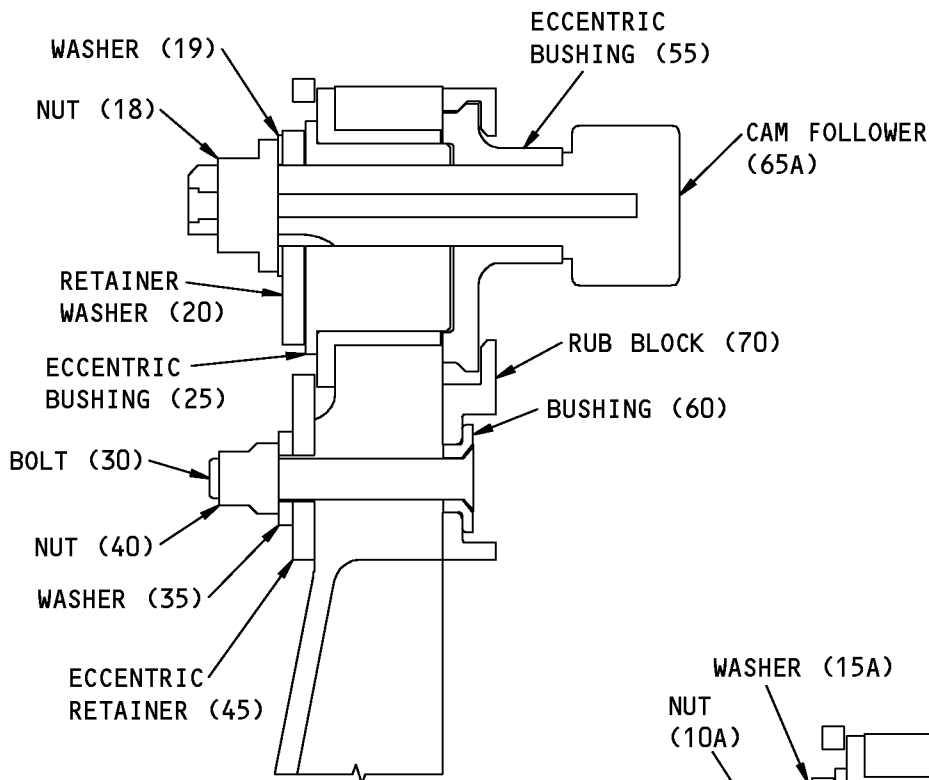
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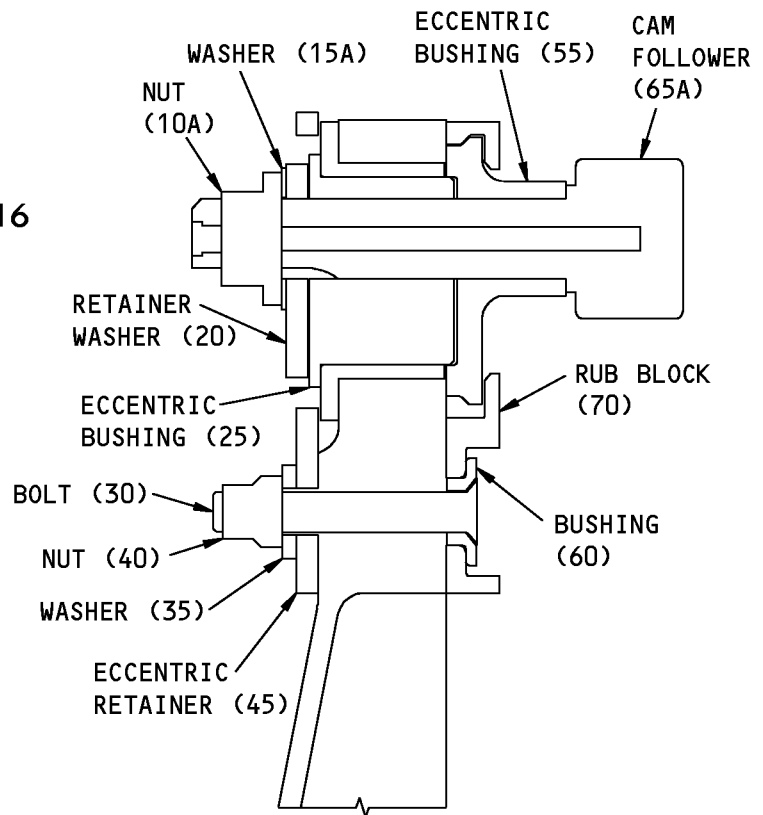
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113A2700-1,-2,-15,-16



113A2700-17,-18,-21 THRU -26

M03317 S00041005965\_V3

Cam Follower Replacement  
Figure 601

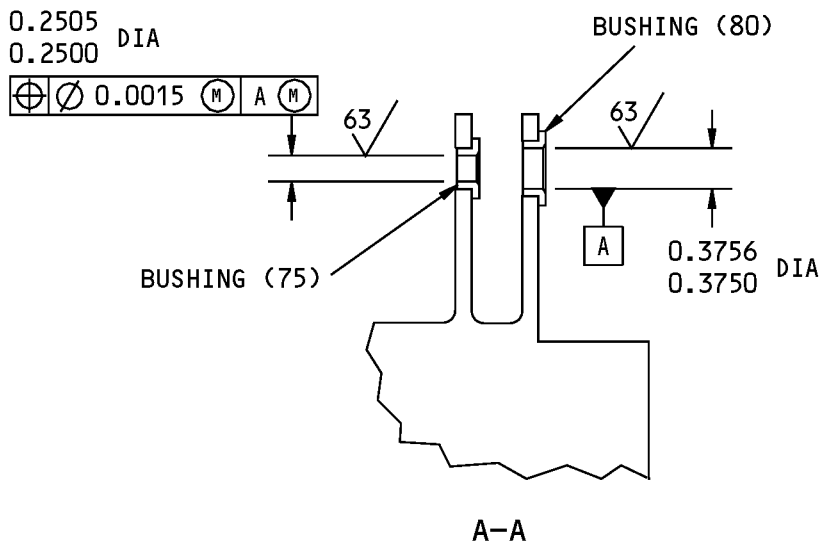
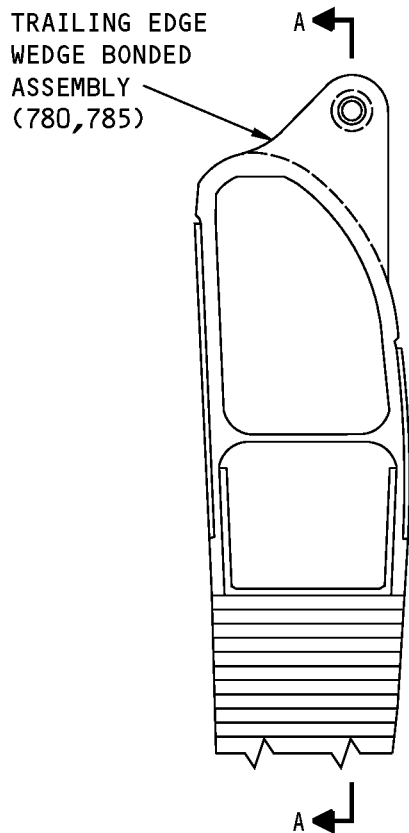
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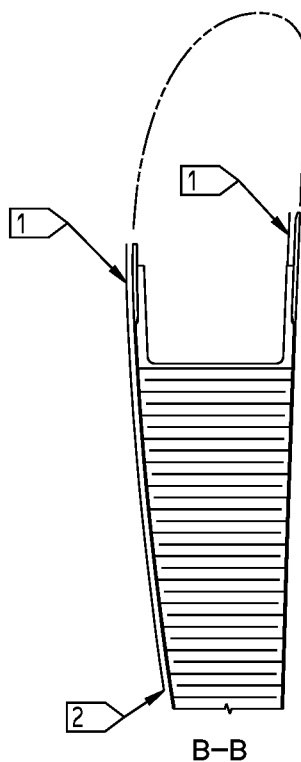
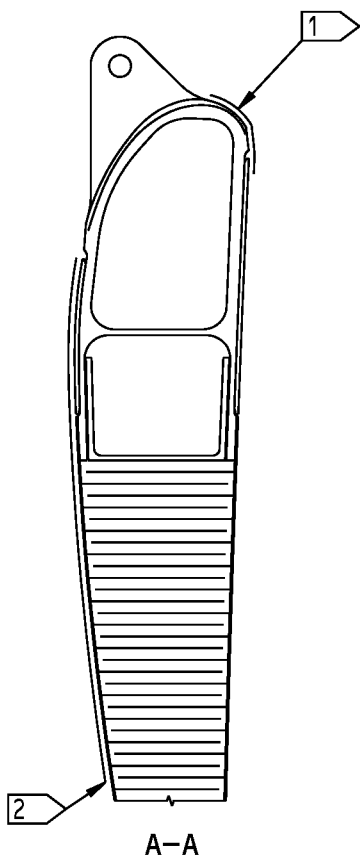
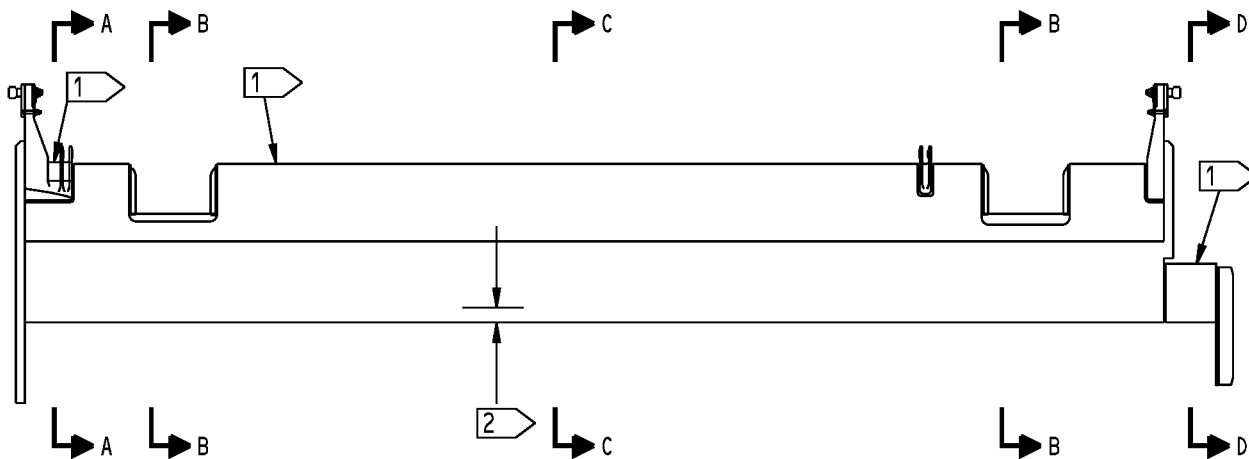


113A2700-1,-2,-15,-16,-17,-18,-21,-22,-23,-24,-25,-26 Inboard Flap Aft Flap Assembly Repair  
Figure 602

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REPAIR 2-1  
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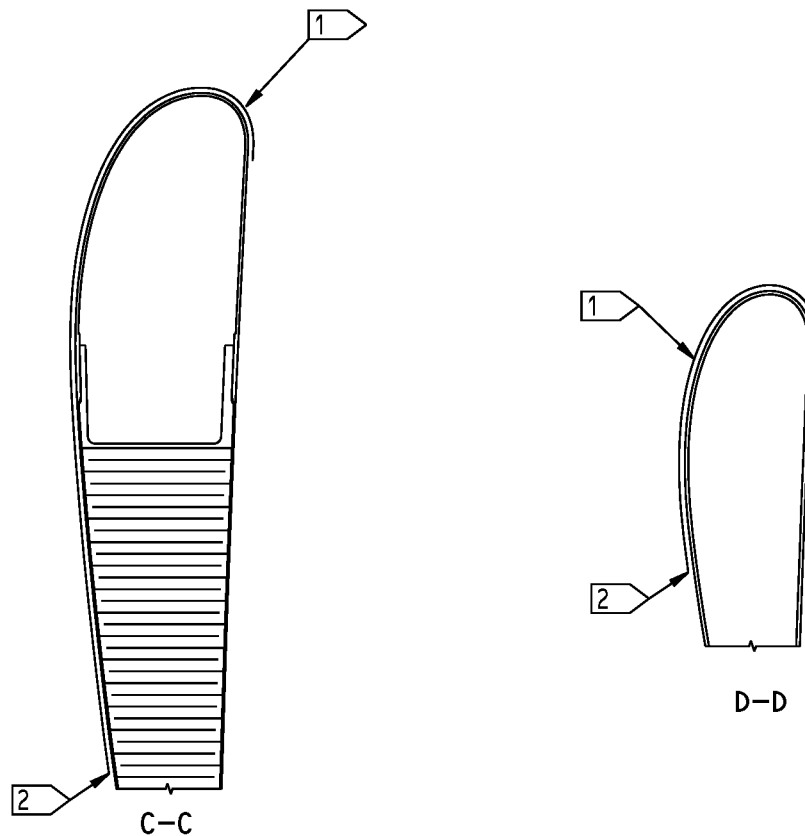


113A2700-1,-2,-15,-16,-17,-18,-21,-22,-23,-24,-25,-26 Inboard Flap Aft Flap Assembly Refinish  
Figure 603 (Sheet 1 of 2)

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**1** APPLY BMS 10-86 TYPE 1 OR 2 TEFLON

**2** TO ENSURE A SMOOTH TRANSITION BETWEEN THE TEFLON PAINT AND THE ADJACENT ENAMEL, MASK TEFLON AREAS AS FOLLOWS: WITHIN A 1.00 INCH ZONE ALONG EDGES SHOWN, STEP MASK PRIOR TO PAINTING SO TEFLON PAINT FAIRS EVENLY WITH ADJACENT ENAMEL. ENAMEL MAY EXTEND UNDER TEFLON INTO 1.00 INCH TRANSITION ZONE. PAINT THICKNESS IN TRANSITION ZONE MAY BE REDUCED TO 0.002 INCHES MINIMUM.

113A2700-1,-2,-15,-16,-17,-18,-21,-22,-23,-24,-25,-26 Inboard Flap Aft Flap Assembly Refinish  
Figure 603 (Sheet 2 of 2)

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## COMPONENT MAINTENANCE MANUAL

### INBOARD PUSHROD FITTING ASSEMBLY - REPAIR 3-1

113A2722-1, -2

#### 1. General

- A. This procedure has the data necessary to repair and refinish the inboard pushrod fitting assembly (430, 435).
- B. Refer to the Standard Overhaul Practice Manual (SOPM) for the SOPM subjects identified in this procedure.
- C. Refer to REPAIR-GENERAL, Figure 601 for the True Position Dimensioning Symbols shown in the repair.
- D. Refer to IPL Figure 1 for item numbers.

#### 2. Bushing Replacement

- A. Consumable Materials

**NOTE:** Equivalent substitutes may be used.

| Reference | Description  | Specification |
|-----------|--|---------------|
| A00247    | Sealant - Pressure And Environmental - Chromate Type | BMS 5-95      |

- B. References

| Reference     | Title                            |
|---------------|----------------------------------|
| SOPM 20-30-02 | STRIPPING OF PROTECTIVE FINISHES |
| SOPM 20-50-03 | BEARING AND BUSHING REPLACEMENT  |
| SOPM 20-50-19 | GENERAL SEALING                  |
| SOPM 20-60-04 | MISCELLANEOUS MATERIALS          |

- C. Procedure

**NOTE:** For stripping of protective finishes, refer to SOPM 20-30-02. For miscellaneous materials, refer to SOPM 20-60-04.

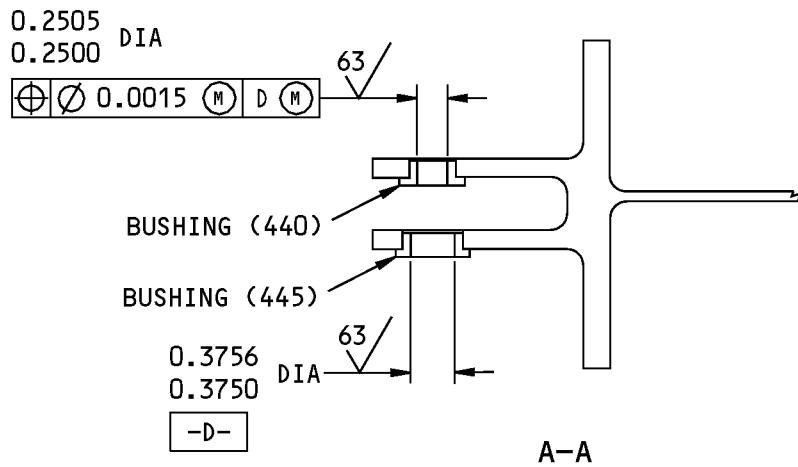
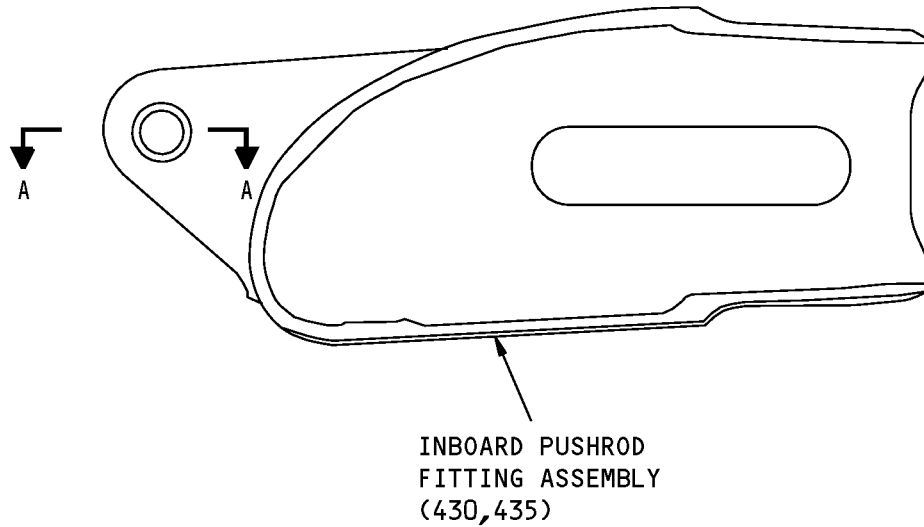
- (1) Remove the damaged bushing (440, 445) from the fitting (450, 455) (SOPM 20-50-03).
- (2) Install the new bushing (440, 445) on the fitting (450, 455) with sealant, A00247. Use the shrink fit method (SOPM 20-50-03).
- (3) Ream the inside diameter of new bushing (440, 445) to the dimensions shown in REPAIR 3-1, Figure 601.
- (4) Break all sharp edges.
- (5) Apply corrosion fillet seal (SOPM 20-50-19) around the bushing flanges. Use sealant, A00247.

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125/ ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

BREAK ALL SHARP EDGES

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

113A2722-1,-2 Inboard Pushrod Fitting Assembly Repair  
Figure 601

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REPAIR 3-1

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## COMPONENT MAINTENANCE MANUAL

### FITTING - REPAIR 3-2

113A2722-3, -4

#### 1. General

- A. This procedure has the data necessary to repair and refinish the fitting (450, 455).
- B. Refer to the Standard Overhaul Practice Manual (SOPM) for the SOPM subjects identified in this procedure.
- C. Refer to REPAIR-GENERAL, Figure 601 for the True Position Dimensioning Symbols shown in the repair.
- D. Refer to IPL Figure 1 for item numbers.
- E. General repair details:
  - (1) Material: Aluminum alloy

#### 2. Fitting Refinish

- A. Consumable Materials

**NOTE:** Equivalent substitutes may be used.

| Reference | Description   | Specification         |
|-----------|---|-----------------------|
| C00175    | Primer - Urethane Compatible, Corrosion Resistant<br>(Less Than 1% Aromatic Amines) | BMS10-79,<br>Type III |

- B. References

| Reference     | Title                                  |
|---------------|--|
| SOPM 20-10-03 | SHOT PEENING                           |
| SOPM 20-30-02 | STRIPPING OF PROTECTIVE FINISHES       |
| SOPM 20-41-01 | DECODING TABLE FOR BOEING FINISH CODES |
| SOPM 20-60-02 | FINISHING MATERIALS                    |

- C. Procedure

**NOTE:** For shot peening, refer to SOPM 20-10-03. For stripping of protective finishes, refer to SOPM 20-30-02. For decoding table for Boeing finish codes, refer to SOPM 20-41-01. For finishing materials, refer to SOPM 20-60-02.

- (1) Anodize (F-17.31) the fitting (450, 455).
- (2) Apply primer, C00175 (F-19.47).

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REPAIR 3-2

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## COMPONENT MAINTENANCE MANUAL

### INBOARD SUPPORT TRACK FITTING ASSEMBLY - REPAIR 4-1

113A2725-1, -2

#### 1. General

- A. This procedure has the data necessary to repair and refinish the inboard support fitting assembly (505, 510).
- B. Refer to the Standard Overhaul Practice Manual (SOPM) for the SOPM subjects identified in this procedure.
- C. Refer to REPAIR-GENERAL, Figure 601 for the True Position Dimensioning Symbols shown in the repair.
- D. Refer to IPL Figure 1 for item numbers.

#### 2. Bushing Replacement

- A. Consumable Materials

**NOTE:** Equivalent substitutes may be used.

| Reference | Description  | Specification |
|-----------|--|---------------|
| A00247    | Sealant - Pressure And Environmental - Chromate Type | BMS 5-95      |

- B. References

| Reference     | Title                            |
|---------------|----------------------------------|
| SOPM 20-30-02 | STRIPPING OF PROTECTIVE FINISHES |
| SOPM 20-50-03 | BEARING AND BUSHING REPLACEMENT  |
| SOPM 20-50-19 | GENERAL SEALING                  |
| SOPM 20-60-04 | MISCELLANEOUS MATERIALS          |

- C. Procedure

**NOTE:** For stripping of protective finishes, refer to SOPM 20-30-02. For miscellaneous materials, refer to SOPM 20-60-04.

- (1) Remove the damaged bushing (515, 520) from the fitting (535, 540) (SOPM 20-50-03).
- (2) Install the new bushing (515, 520) on the fitting (535, 540) with sealant, A00247. Use the shrink fit method (SOPM 20-50-03).
- (3) Ream the inside diameter of the new bushing (515, 520) to the dimensions shown in REPAIR 4-1, Figure 601.
- (4) Break all sharp edges.
- (5) Apply corrosion fillet seal (SOPM 20-50-19) around the bushing flanges. Use sealant, A00247.

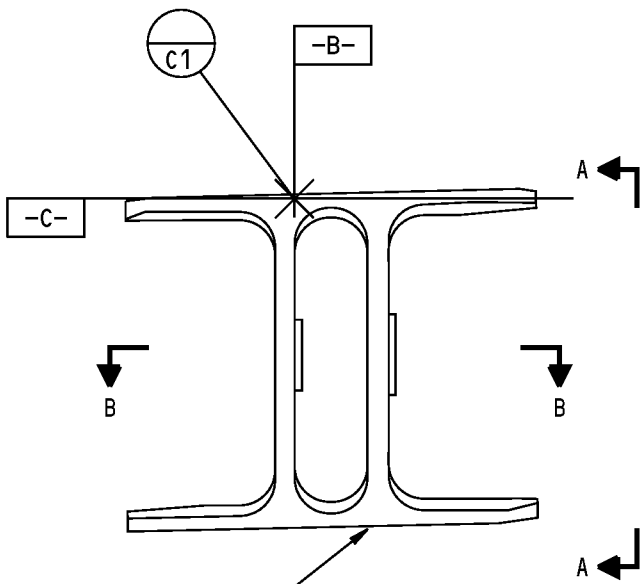
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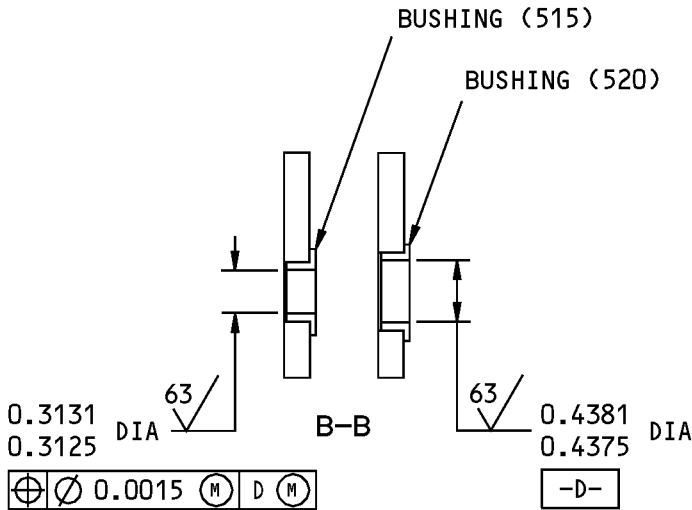
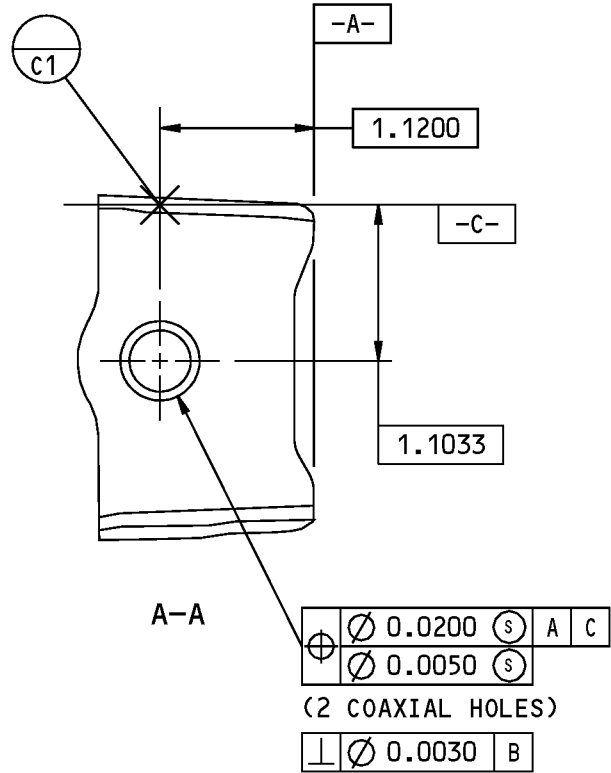
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COMPONENT MAINTENANCE MANUAL



INBOARD SUPPORT TRACK FITTING ASSEMBLY (505,510)



125/ ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

BREAK ALL SHARP EDGES 0.030-0.040

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

113A2725-1,-2 Inboard Support Track Fitting Assembly Repair  
Figure 601

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REPAIR 4-1

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## COMPONENT MAINTENANCE MANUAL

### FITTING - REPAIR 4-2

113A2725-3, -4

#### 1. General

- A. This procedure has the data necessary to repair and refinish the fitting (535, 540).
- B. Refer to the Standard Overhaul Practice Manual (SOPM) for the SOPM subjects identified in this procedure.
- C. Refer to REPAIR-GENERAL, Figure 601 for the True Position Dimensioning Symbols shown in the repair.
- D. Refer to IPL Figure 1 for the item numbers.
- E. General repair details:
  - (1) Material: Aluminum alloy

#### 2. Fitting Refinish

- A. Consumable Materials

**NOTE:** Equivalent substitutes may be used.

| Reference | Description   | Specification         |
|-----------|---|-----------------------|
| C00033    | Coating - Exterior Protective Enamel, Flexibility Use                               | BMS10-60,<br>Type II  |
| C00175    | Primer - Urethane Compatible, Corrosion Resistant<br>(Less Than 1% Aromatic Amines) | BMS10-79,<br>Type III |

- B. References

| Reference     | Title                                     |
|---------------|---|
| SOPM 20-30-02 | STRIPPING OF PROTECTIVE FINISHES          |
| SOPM 20-41-01 | DECODING TABLE FOR BOEING FINISH CODES    |
| SOPM 20-44-04 | APPLICATION OF URETHANE COMPATIBLE PRIMER |
| SOPM 20-60-02 | FINISHING MATERIALS                       |

- C. Procedure

**NOTE:** For stripping of protective finishes, refer to SOPM 20-30-02. For decoding table for Boeing finish codes, refer to SOPM 20-41-01. For finishing materials, refer to SOPM 20-60-02.

- (1) Anodize (F-17.31) the fitting (535, 540).
- (2) Apply primer, C00175 (F-19.47) (SOPM 20-44-04). No primer is allowed on bushing bore.
- (3) Apply enamel coating, C00033 (F-19.39-707). No primer is allowed on bushing bore.

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## COMPONENT MAINTENANCE MANUAL

### OUTBOARD SUPPORT TRACK FITTING ASSEMBLY - REPAIR 5-1

113A2726-1, -2

#### 1. General

- A. This procedure has the data necessary to repair and refinish the outboard support track fitting assembly (495, 500).
- B. Refer to the Standard Overhaul Practice Manual (SOPM) for the SOPM subjects identified in this procedure.
- C. Refer to REPAIR-GENERAL, Figure 601 for the True Position Dimensioning Symbols shown in the repair.
- D. Refer to IPL Figure 1 for item numbers.

#### 2. Bushing Replacement

- A. Consumable Materials

**NOTE:** Equivalent substitutes may be used.

| Reference | Description  | Specification |
|-----------|--|---------------|
| A00247    | Sealant - Pressure And Environmental - Chromate Type | BMS 5-95      |

- B. References

| Reference     | Title                            |
|---------------|----------------------------------|
| SOPM 20-30-02 | STRIPPING OF PROTECTIVE FINISHES |
| SOPM 20-50-03 | BEARING AND BUSHING REPLACEMENT  |
| SOPM 20-50-19 | GENERAL SEALING                  |
| SOPM 20-60-04 | MISCELLANEOUS MATERIALS          |

- C. Procedure

**NOTE:** For stripping of protective finishes, refer to SOPM 20-30-02. For miscellaneous materials, refer to SOPM 20-60-04.

- (1) Remove the damaged bushing (515, 520) from the fitting (525, 530) (SOPM 20-50-03).
- (2) Install the new bushing (515, 520) on the fitting (525, 530) with sealant, A00247. Use the shrink fit method (SOPM 20-50-03).
- (3) Ream the inside diameter of the new bushing (515, 520) to the dimensions shown in REPAIR 5-1, Figure 601.
- (4) Break all sharp edges.
- (5) Apply corrosion fillet seal (SOPM 20-50-19) around the bushing flanges. Use sealant, A00247.

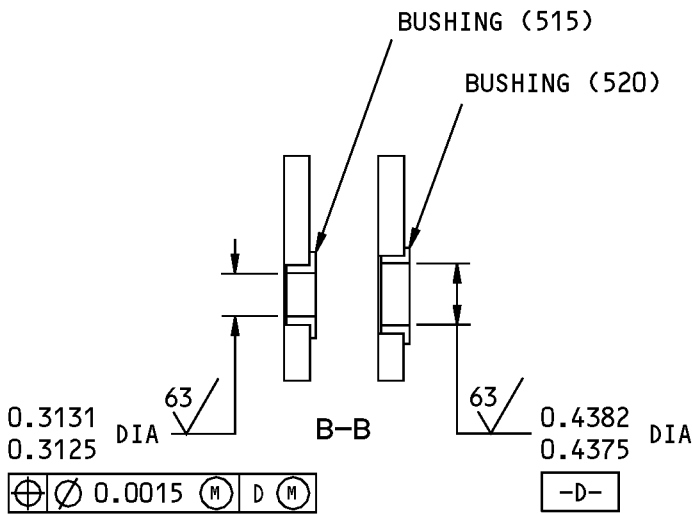
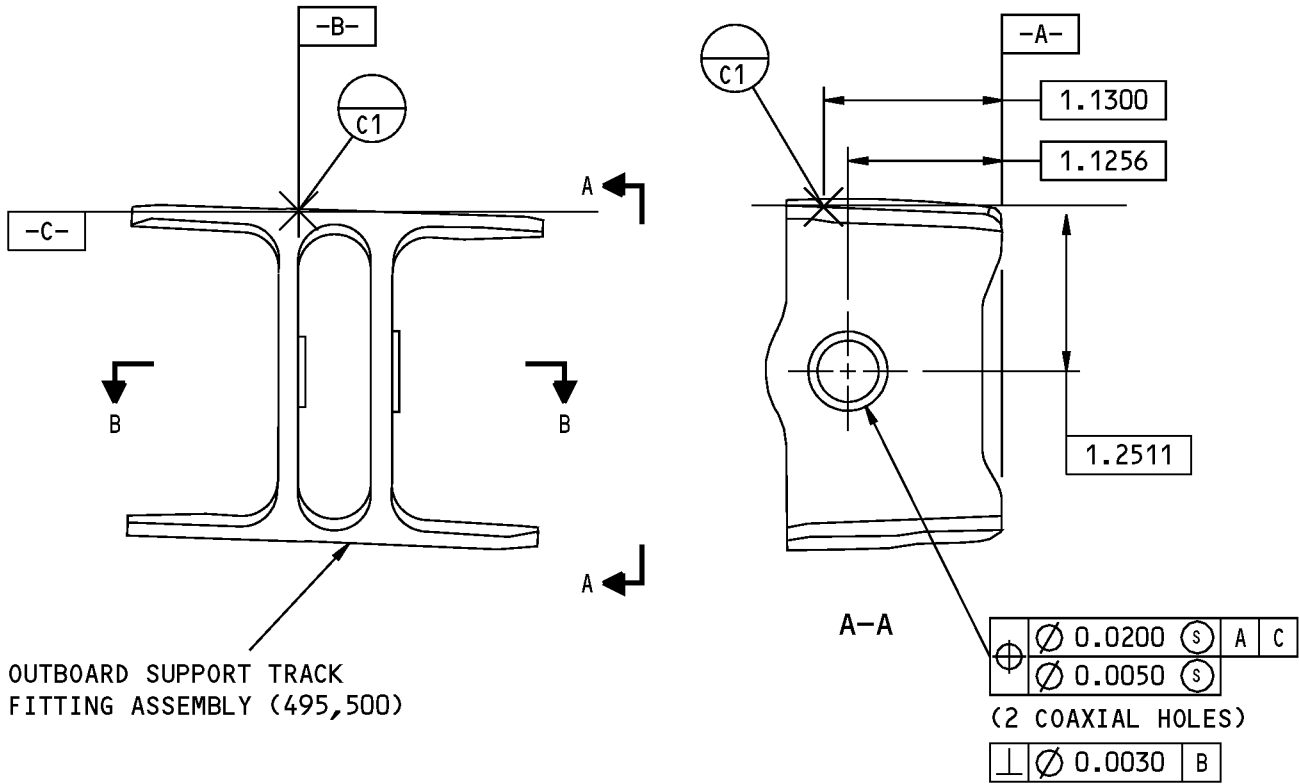
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125 ✓ ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

BREAK ALL SHARP EDGES 0.030-0.040

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

113A2726-1,-2 Outboard Support Track Fitting Assembly Repair  
Figure 601

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REPAIR 5-1  
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## COMPONENT MAINTENANCE MANUAL

### FITTING - REPAIR 5-2

113A2726-3, -4

#### 1. General

- A. This procedure has the data necessary to repair and refinish the fitting (525, 530).
- B. Refer to the Standard Overhaul Practice Manual (SOPM) for the SOPM subjects identified in this procedure.
- C. Refer to REPAIR-GENERAL, Figure 601 for the True Position Dimensioning Symbols shown in the repair.
- D. Refer to IPL Figure 1 for the item numbers.
- E. General repair details:
  - (1) Material: Aluminum alloy

#### 2. Fitting Refinish

- A. Consumable Materials

**NOTE:** Equivalent substitutes may be used.

| Reference | Description   | Specification         |
|-----------|---|-----------------------|
| C00033    | Coating - Exterior Protective Enamel, Flexibility Use                               | BMS10-60,<br>Type II  |
| C00175    | Primer - Urethane Compatible, Corrosion Resistant<br>(Less Than 1% Aromatic Amines) | BMS10-79,<br>Type III |

- B. References

| Reference     | Title                                     |
|---------------|---|
| SOPM 20-10-03 | SHOT PEENING                              |
| SOPM 20-30-02 | STRIPPING OF PROTECTIVE FINISHES          |
| SOPM 20-41-01 | DECODING TABLE FOR BOEING FINISH CODES    |
| SOPM 20-44-04 | APPLICATION OF URETHANE COMPATIBLE PRIMER |
| SOPM 20-60-02 | FINISHING MATERIALS                       |

- C. Procedure

**NOTE:** For shot peening, refer to SOPM 20-10-03. For stripping of protective finishes, refer to SOPM 20-30-02. For decoding table for Boeing finish codes, refer to SOPM 20-41-01. For finishing materials, refer to SOPM 20-60-02.

- (1) Anodize (F-17.31) the fitting (525, 530).
- (2) Apply primer, C00175 (F-19.47) (SOPM 20-44-04). No primer is allowed on bushing bore.
- (3) Apply enamel coating, C00033 (F-19.39-707). No primer is allowed on bushing bore.

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REPAIR 5-2

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## COMPONENT MAINTENANCE MANUAL

### ASSEMBLY

#### 1. General

- A. This procedure has the data necessary to assemble the inboard flap aft flap assembly (1A, 5).
- B. Refer to the Standard Overhaul Practices Manual (SOPM) for the SOPM subjects identified in this procedure.

#### 2. Assembly

- A. Procedure
  - (1) Use standard industry procedures to assemble this component.

# 57-53-09

ASSEMBLY

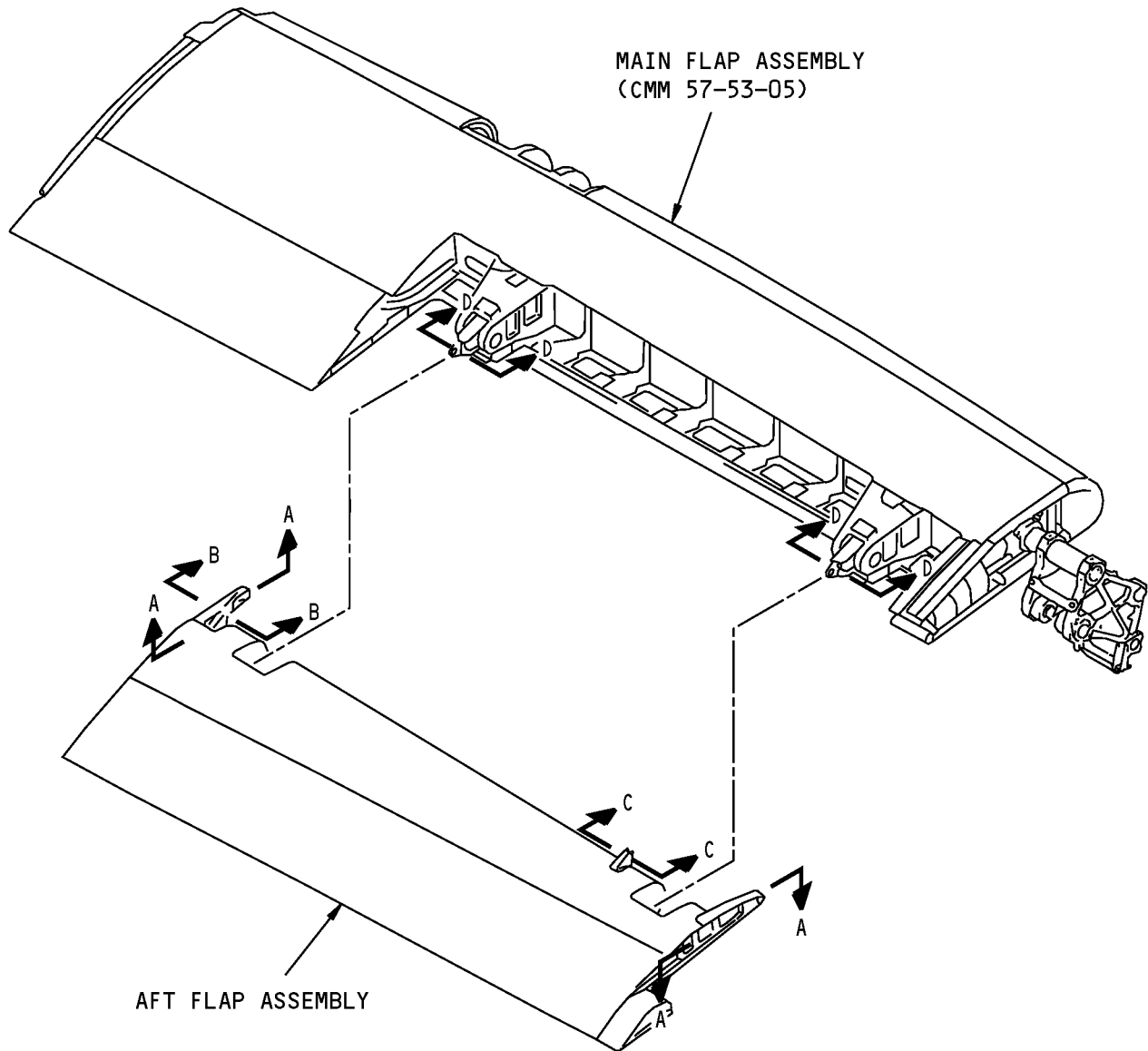
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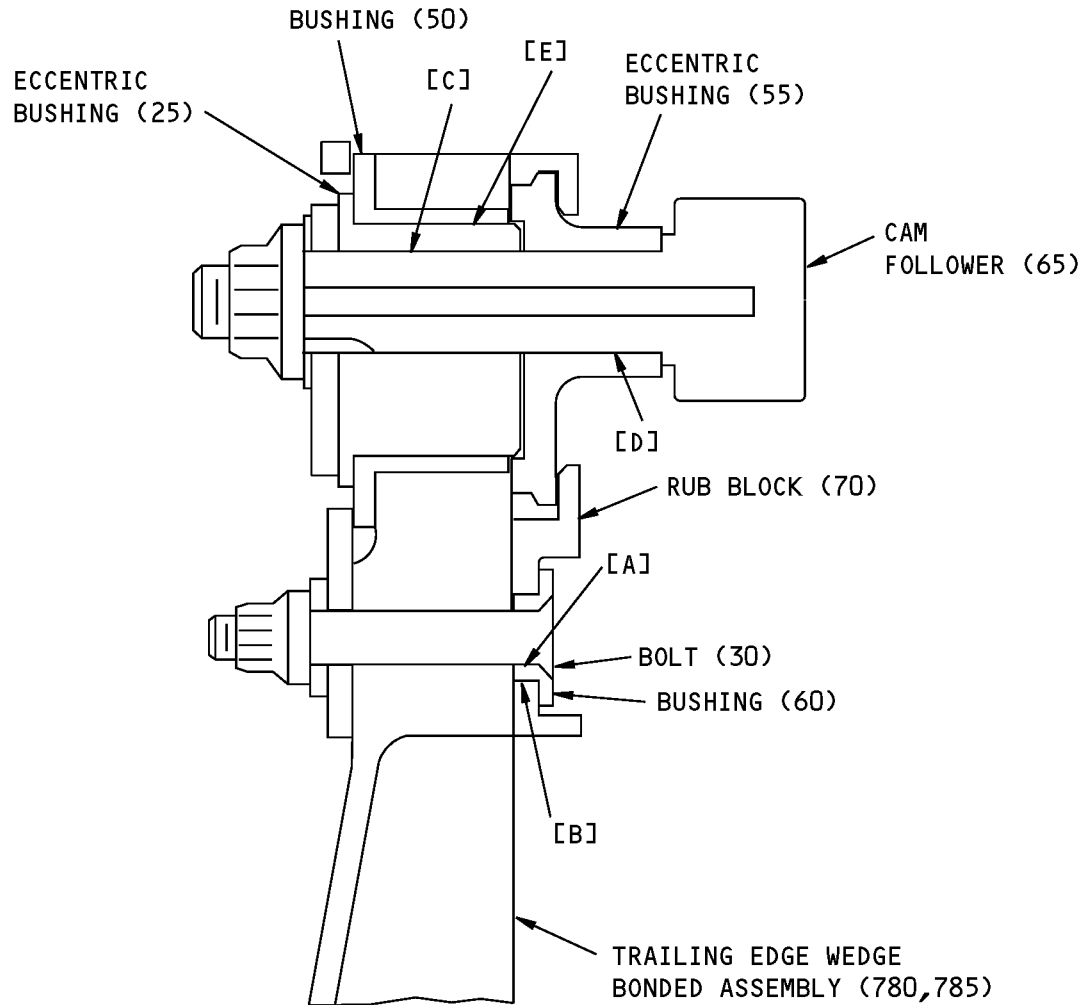
COMPONENT MAINTENANCE MANUAL

FITS AND CLEARANCES



Fits and Clearances  
Figure 801 (Sheet 1 of 5)

COMPONENT MAINTENANCE MANUAL



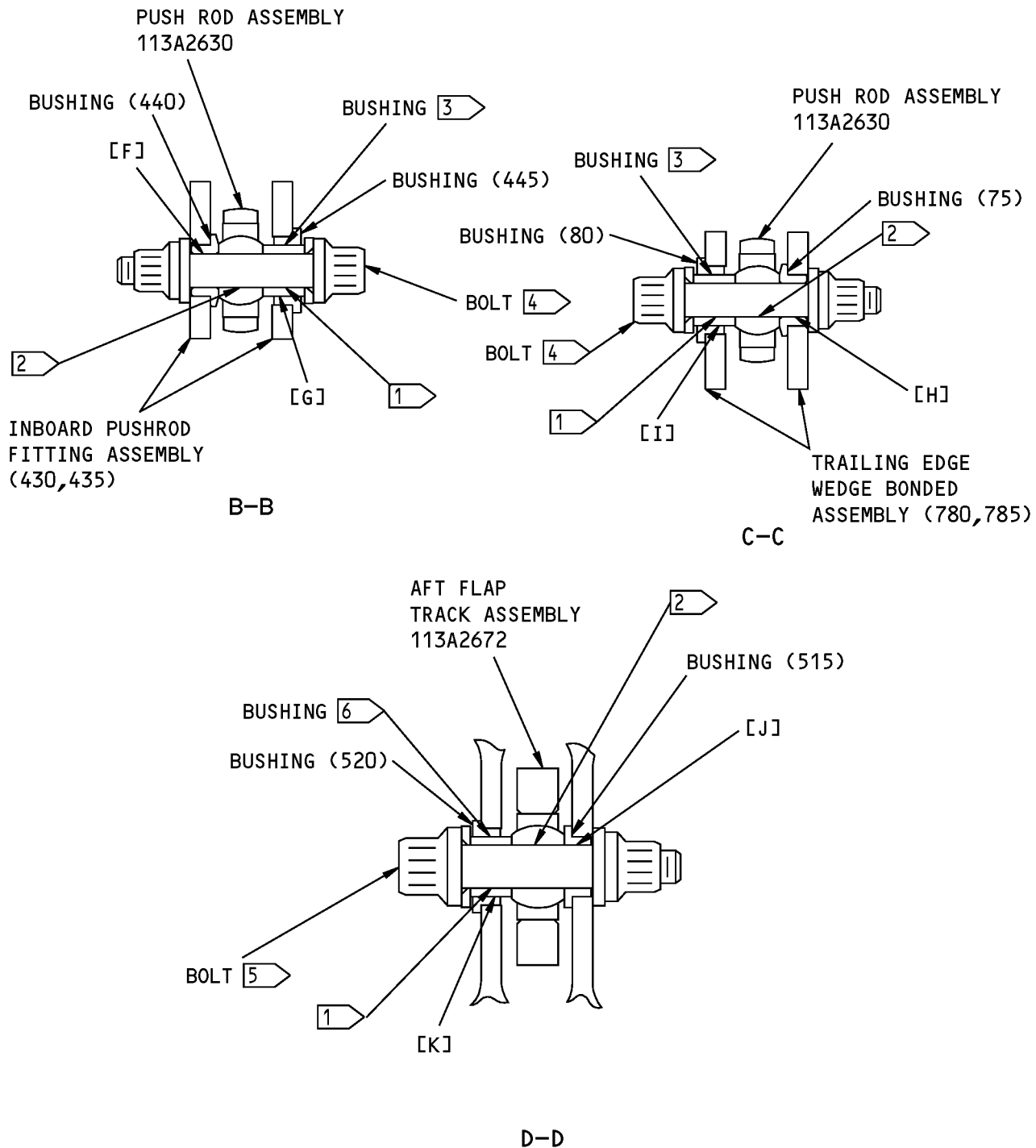
A-A

ITEM NUMBERS REFER TO IPL FIG. 1

Fits and Clearances  
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FITS AND CLEARANCES  
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


COMPONENT MAINTENANCE MANUAL



Fits and Clearances  
Figure 801 (Sheet 3 of 5)



## COMPONENT MAINTENANCE MANUAL




| REF<br>LETTER | REF IPL  | DESIGN DIMENSION* |        |                       |        | SERVICE WEAR LIMIT* |     |                      |
|---------------|--|-------------------|--------|-----------------------|--------|---------------------|-----|----------------------|
|               | FIG. 1<br>MATING ITEM NO.  | DIMENSION         |        | ASSEMBLY<br>CLEARANCE |        | DIMENSION           |     | MAXIMUM<br>CLEARANCE |
|               |  | MIN               | MAX    | MIN                   | MAX    | MIN                 | MAX |                      |
| [A]           | ID BUSHING (60)  | 0.1920            | 0.1950 | 0.0035                | 0.0069 |                     |     |                      |
|               | OD BOLT (30)   | 0.1881            | 0.1885 |                       |        |                     |     |                      |
| [B]           | ID BLOCK (70)  | 0.3140            | 0.3180 | 0.0006                | 0.0041 |                     |     |                      |
|               | OD BUSHING (60)  | 0.3139            | 0.3134 |                       |        |                     |     |                      |
| [C]           | ID BUSHING (25)  | 0.3750            | 0.3755 | 0.0000                | 0.0020 |                     |     |                      |
|               | OD FOLLOWER (65)   | 0.3735            | 0.3750 |                       |        |                     |     |                      |
| [D]           | ID BUSHING (55)  | 0.3755            | 0.3775 | 0.0005                | 0.0040 |                     |     |                      |
|               | OD FOLLOWER (65)   | 0.3735            | 0.3750 |                       |        |                     |     |                      |
| [E]           | ID BUSHING (50)  | 0.8745            | 0.8755 | 0.0000                | 0.0020 |                     |     |                      |
|               | OD BUSHING (25)  | 0.8735            | 0.8745 |                       |        |                     |     |                      |
| [F]           | ID BUSHING (440)   | 0.2500            | 0.2505 | 0.0005                | 0.0020 |                     |     |                      |
|               | OD BOLT     | 0.2485            | 0.2495 |                       |        |                     |     |                      |
| [G]           | ID BUSHING (445)   | 0.3750            | 0.3755 | 0.0005                | 0.0015 |                     |     |                      |
|               | OD BUSHING  | 0.3740            | 0.3745 |                       |        |                     |     |                      |
| [H]           | ID BUSHING (75)  | 0.2500            | 0.2505 | 0.0005                | 0.0020 |                     |     |                      |
|               | OD BOLT     | 0.2485            | 0.2495 |                       |        |                     |     |                      |

Fits and Clearances  
Figure 801 (Sheet 4 of 5)

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FITS AND CLEARANCES  
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
| REF<br>LETTER | REF IPL  | DESIGN DIMENSION* |        |                       |        | SERVICE WEAR LIMIT* |     |                      |
|---------------|--|-------------------|--------|-----------------------|--------|---------------------|-----|----------------------|
|               | FIG. 1<br>MATING ITEM NO.  | DIMENSION         |        | ASSEMBLY<br>CLEARANCE |        | DIMENSION           |     | MAXIMUM<br>CLEARANCE |
|               |  | MIN               | MAX    | MIN                   | MAX    | MIN                 | MAX |                      |
| [I]           | ID BUSHING (80)  | 0.3750            | 0.3755 | 0.0005                | 0.0015 |                     |     |                      |
|               | OD BUSHING  | 0.3740            | 0.3745 |                       |        |                     |     |                      |
| [J]           | ID BUSHING (515)   | 0.3125            | 0.3131 | 0.0005                | 0.0021 |                     |     |                      |
|               | OD BOLT     | 0.3110            | 0.3120 |                       |        |                     |     |                      |
| [K]           | ID BUSHING (520)   | 0.4375            | 0.4382 | 0.0005                | 0.0017 |                     |     |                      |
|               | OD BUSHING  | 0.4365            | 0.4370 |                       |        |                     |     |                      |


\* ALL DIMENSIONS ARE IN INCHES

 SEE CMM 57-53-04

 SEE CMM 57-53-05

 INSTALLATION BUSHING P/N BACB28AK04-031

 INSTALLATION BOLT P/N BACB30MR4DK15

 INSTALLATION BOLT P/N BACB30MR5DK16

 INSTALLATION BUSHING P/N BACB28AK05-031

Fits and Clearances  
Figure 801 (Sheet 5 of 5)

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COMPONENT MAINTENANCE MANUAL

SPECIAL TOOLS, FIXTURES, AND EQUIPMENT

**(NOT APPLICABLE)**

**57-53-09**

SPECIAL TOOLS, FIXTURES, AND EQUIPMENT

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## COMPONENT MAINTENANCE MANUAL

### ILLUSTRATED PARTS LIST

#### 1. Introduction

- A. The Illustrated Parts List (IPL) contains an illustration and a list of component parts you can repair or replace. The Illustrated Parts Catalog (IPC) shows how to use the Boeing part number system.
- B. This shows how parts are related: The relation of each item to its next higher assembly (NHA) is shown in the NOMENCLATURE column. Use the indenture system that follows:

| 1 | 2                            | 3                               | 4                               | 5                                 | 6 | 7   |
|---|------------------------------|---------------------------------|---------------------------------|-----------------------------------|---|---|
| . | Assembly                     |                                 |                                 |                                   |   |   |
| . | Attaching parts for assembly |                                 |                                 |                                   |   |   |
| . | .                            | Detail parts for assembly       |                                 |                                   |   |   |
| . | .                            | Subassembly                     |                                 |                                   |   |   |
| . | .                            | Attaching parts for subassembly |                                 |                                   |   |   |
| . | .                            | .                               | Detail parts for subassembly    |                                   |   |   |
| . | .                            | .                               | Sub-subassembly                 |                                   |   |   |
| . | .                            | .                               | Attaching parts for subassembly |                                   |   |   |
| . | .                            | .                               | .                               | Details parts for sub-subassembly |   |   |
|   |                              |                                 |                                 |                                   |   | Detail Installation Parts (Included only if installation parts may be sent to the shop as part of assembly) |

- C. Each top assembly is given one use code letter (A, B, C, etc.) in the USAGE CODE column. All subsequent component parts in the list can have one or more of the use code letters to show effectivity to top assemblies. A component part without a use code applies to all top assemblies.
- D. An alphabetical letter is added after the item number for optional parts, parts changed by a Service Bulletin, configuration differences (except left-handed and right-handed parts), last engineering releases, and parts added between item numbers in a sequence. The alphabetical letter will not be shown on the illustration for equivalent parts of the same part number.
- E. Color-coded parts are identified with a single digit alpha following the dash number or with "SP" suffix. If the "SP" suffix is used, it represents consolidation of all color codes applicable for a given usage which are not separately listed. Orders for color-coded parts should include the registry number of the airplane for which the parts are ordered.
- F. If a part number is 15 characters long but will not fit in the part number column, the part number will be displayed with a "~" at the end of the line and will be continued on the next line. The "~" denotes that the part number continues on the next line.
- G. Parts changed by a Service Bulletin are shown by PRE SB XXXX and POST SB XXXX added to the NOMENCLATURE column.
- (1) When a new top assembly is added by a Service Bulletin, PRE SB XXXX and POST SB XXXX will be added at the top assembly level only. The configuration differences at the detail part level are shown by use code letters.
- (2) When the top assembly part number is not changed by the Service Bulletin, PRE SB XXXX and POST SB XXXX will be added at the detail level.
- H. Interchangeable Parts

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|  |  |
|--|--|
| Optional<br>(OPT)  | The part is optional to and interchangeable with other parts that have the same item number. |
| Replaces, Replaced by and not interchangeable with<br>(REPLACES, REPLACED BY AND NOT INTCHG/W) | The part replaces and is not interchangeable with the initial part.                          |
| Replaces, Replaced by<br>(REPLACES, REPLACED BY)   | The part replaces and is interchangeable with, or is an alternative to, the initial part.    |

### VENDOR CODES

| <b>Code</b> | <b>Name</b>   |
|-------------|---|
| 06725       | AIR INDUSTRIES CORPORATION<br>12570 KNOTT STREET<br>GARDEN GROVE, CALIFORNIA 92641-3932<br>FORMERLY AIR INDUSTRIES OF CALIF IN GARDENA, CALIF.  |
| 0PTK6       | SPS TECHNOLOGIES INC AEROSPACE PRODUCTS DIV<br>5195 W 4700<br>SALT LAKE CITY, UTAH 94118<br>SEE V56878 SPS TECHNOLOGIES INC   |
| 11815       | CHERRY AEROSPACE FASTENERS DIV OF TEXTRON<br>1224 EAST WARNER AVENUE PO BOX 2157<br>SANTA ANA, CALIFORNIA 92707-0157<br>FORMERLY IN LOS ANGELES, CALIF , FORMERLY CHERRY FASTENERS<br>TOWNSEND DIV OF TEXTRON INC V71087  |
| 15653       | ALCOA GLOBAL FASTENERS INC DIV KAYNAR PRODUCTS<br>800 S STATE COLLEGE BLVD<br>FULLERTON, CALIFORNIA 92831-3001<br>FORMERLY VK6405 MICRODOT AEROSP LTD; FORMERLY KAYNAR<br>TECH<br>FORMERLY FAIRCHILD FASTENERS KAYNAR DIV |
| 52828       | REPUBLIC FASTENER MFG CORP<br>1300 RANCHO CONEJO BLVD<br>NEWBURY PARK, CALIFORNIA 91320-1405<br>FORMERLY IN SYLMAR, CALIFORNIA  |

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| Code  | Name   |
|-------|--|
| 53551 | ALLFAST FASTENING SYSTEMS INC<br>15200 EAST DON JULIAN ROAD PO BOX 3166<br>CITY OF INDUSTRY, CALIFORNIA 91745-1001<br>FORMERLY V0736B<br>FORMERLY ALLFAST INC V5K545   |
| 56878 | SPS TECHNOLOGIES INC AEROSPACE AND INDUSTRIAL PRODUCTS DIV<br>301 HIGHLAND AVE<br>JENKINTOWN, PENNSYLVANIA 19046<br>FORMERLY STANDARD PRESSED STEEL<br>FORMERLY IN SALT LAKE, UTAH   |
| 5M902 | ALCOA GLOBAL FASTENERS INC, DIV OF VOI-SHAN PRODUCTS<br>3000 W LOMITA BLVD<br>TORRANCE, CALIFORNIA 90505-5103<br>FORMERLY FAIRCHILD INC INC FAIRCHILD AEROSPACE FASTENERS<br>DIV   |
| 60119 | MONADNOCK CO THE<br>18301 ARENTH AVENUE<br>ROWLAND HEIGHTS, CALIFORNIA 91748-1288<br>FORMERLY UNITED CARR FASTENER CORP VB0051 VB0056 VB0076<br>FORMERLY TRW ELECTRONIC COMPONENTS CINCH-MONADNOCK DIV<br>FORMERLY CINCH-MONADNOCK DIV OF TRW INC V76530<br>FORMERLY IN CITY OF INDUSTRY, CALIFORNIA |
| 60380 | TORRINGTON CO BEARINGS DIV SUBSIDIARY OF INGERSOLL-RAND<br>CORP<br>59 FIELD STREET PO BOX 1008<br>TORRINGTON, CONNECTICUT 06790-1008<br>FORMERLY TORRINGTON BEARING COMPANY  |
| 60516 | WEST COAST AEROSPACE INC<br>812 MIRAFLORES STREET<br>SAN PEDRO, CALIFORNIA 90731-1439  |
| 62554 | SIMMONDS MECAERO FASTENERS INC<br>1734 SEQUOIA AVENUE<br>ORANGE, CALIFORNIA 92668  |

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## COMPONENT MAINTENANCE MANUAL

| Code  | Name  |
|-------|---|
| 72960 | Replaced: [V72960] EISEMANN CORP SEE V31435<br>by Code: Name and Address below<br>31435: LUCAS AEROSPACE POWER EQUIPMENT CORP<br>777 LENA DR<br>AURORA, OHIO 44202-8025   |
| 72962 | HARVARD INDUSTRIES INC<br>3 WERNER WAY SUITE 210<br>LEBANON, NEW JERSEY 08833<br>FORMERLY ESNA V7A079<br>FORMERLY ELASTIC STOP NUT IN UNION, NJ   |
| 73197 | HI-SHEAR TECHNOLOGY CORP<br>2600 SKYPARK DRIVE<br>TORRANCE, CALIFORNIA 90509  |
| 80539 | SPS TECHNOLOGIES INC DIV AERPSOACE - SANTA ANA<br>2701 SOUTH HARBOR BOULEVARD<br>SANTA ANA, CALIFORNIA 92704-5803<br>FORMERLY NUTT-SHEL DIV OF SPC WESTERN CO V80539<br>AND STANDARD PRESSED STEEL WESTERN DIV V17279 |
| 81205 | BOEING CO THE<br>7755 EAST MARGINAL WAY PO BOX 3707<br>SEATTLE, WASHINGTON 98124  |
| 92215 | FAIRCHILD IND INC FAIRCHILD AEROSPACE FASTENER DIV<br>3010 W LOMITA BLVD<br>TORRANCE, CALIFORNIA 90505-5102<br>FORMERLY VOI-SHAN IN CULVER CITY, CALIF  |
| 92563 | MCGILL MFG CO INC BEARINGS DIV<br>909 LAFAYETTE STREET<br>VALPARAISO, INDIANA 46383-4210  |
| 98996 | OLYMPIC FASTENING SYSTEMS INC<br>DOWNEY, CALIFORNIA 90241-4986<br>OBSOLETE RECORD   |

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## COMPONENT MAINTENANCE MANUAL

### NUMERICAL INDEX

| PART NUMBER  | AIRLINE PART NUMBER | FIGURE | ITEM | UNITS PER ASSEMBLY |
|--------------|---------------------|--------|------|--------------------|
| 102A9213-2-3 |                     | 1      | 415  | 6                  |
|              |                     | 1      | 490  | 8                  |
|              |                     | 1      | 695  | 6                  |
| 102A9213-3-3 |                     | 1      | 230  | 12                 |
|              |                     | 1      | 330  | 4                  |
|              |                     | 1      | 700  | 1                  |
| 102A9213-4-3 |                     | 1      | 380  | 4                  |
|              |                     | 1      | 735  | 19                 |
| 102F9209M3   |                     | 1      | 225  | 12                 |
|              |                     | 1      | 410  | 6                  |
| 102F9216-2-3 |                     | 1      | 715  | 2                  |
| 102F9216-3-3 |                     | 1      | 420  | 2                  |
| 102F9216-4-3 |                     | 1      | 235  | 4                  |
|              |                     | 1      | 335  | 2                  |
|              |                     | 1      | 730  | 4                  |
| 102LH9075-6  |                     | 1      | 10A  | 2                  |
| 113A2653-15  |                     | 1      | 75   | 1                  |
|              |                     | 1      | 440  | 1                  |
| 113A2653-19  |                     | 1      | 50   | 2                  |
| 113A2700-1   |                     | 1      | 1A   | RF                 |
| 113A2700-10  |                     | 1      | 160  | 1                  |
| 113A2700-11  |                     | 1      | 650  | 1                  |
| 113A2700-13  |                     | 1      | 740  | 2                  |
| 113A2700-15  |                     | 1      | 1B   | RF                 |
| 113A2700-16  |                     | 1      | 5A   | RF                 |
| 113A2700-17  |                     | 1      | 1C   | RF                 |
| 113A2700-18  |                     | 1      | 5B   | RF                 |
| 113A2700-19  |                     | 1      | 17   | 1                  |
| 113A2700-2   |                     | 1      | 5    | RF                 |
| 113A2700-20  |                     | 1      | 17A  | 1                  |
| 113A2700-21  |                     | 1      | 1D   | RF                 |
| 113A2700-22  |                     | 1      | 5C   | RF                 |
| 113A2700-23  |                     | 1      | 1E   | RF                 |
| 113A2700-24  |                     | 1      | 5D   | RF                 |

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| PART NUMBER | AIRLINE PART NUMBER | FIGURE | ITEM | UNITS PER ASSEMBLY |
|-------------|---------------------|--------|------|--------------------|
| 113A2700-25 |                     | 1      | 1F   | RF                 |
| 113A2700-26 |                     | 1      | 5E   | RF                 |
| 113A2700-3  |                     | 1      | 190  | 2                  |
| 113A2700-4  |                     | 1      | 185  | 2                  |
| 113A2700-5  |                     | 1      | 550  | 1                  |
| 113A2700-7  |                     | 1      | 640  | 1                  |
| 113A2700-8  |                     | 1      | 645  | 1                  |
| 113A2700-9  |                     | 1      | 155  | 1                  |
| 113A2701-1  |                     | 1      | 25   | 2                  |
| 113A2701-3  |                     | 1      | 55   | 2                  |
| 113A2702-1  |                     | 1      | 45   | 2                  |
| 113A2703-1  |                     | 1      | 20   | 2                  |
| 113A2704-1  |                     | 1      | 70   | 2                  |
| 113A2710-1  |                     | 1      | 780  | 1                  |
| 113A2710-11 |                     | 1      | 780A | 1                  |
| 113A2710-12 |                     | 1      | 785A | 1                  |
| 113A2710-2  |                     | 1      | 785  | 1                  |
| 113A2710-21 |                     | 1      | 780B | 1                  |
| 113A2710-22 |                     | 1      | 785B | 1                  |
| 113A2711-1  |                     | 1      | 825  | 1                  |
| 113A2711-2  |                     | 1      | 830  | 1                  |
| 113A2713-1  |                     | 1      | 815  | 1                  |
| 113A2713-3  |                     | 1      | 820  | 1                  |
| 113A2714-1  |                     | 1      | 805  | 1                  |
| 113A2714-2  |                     | 1      | 810  | 1                  |
| 113A2722-1  |                     | 1      | 430  | 1                  |
| 113A2722-2  |                     | 1      | 435  | 1                  |
| 113A2722-3  |                     | 1      | 450  | 1                  |
| 113A2722-4  |                     | 1      | 455  | 1                  |
| 113A2725-1  |                     | 1      | 505  | 1                  |
| 113A2725-2  |                     | 1      | 510  | 1                  |
| 113A2725-3  |                     | 1      | 535  | 1                  |
| 113A2725-4  |                     | 1      | 540  | 1                  |
| 113A2726-1  |                     | 1      | 495  | 1                  |
| 113A2726-2  |                     | 1      | 500  | 1                  |

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| PART NUMBER | AIRLINE PART NUMBER | FIGURE | ITEM | UNITS PER ASSEMBLY |
|-------------|---------------------|--------|------|--------------------|
| 113A2726-3  |                     | 1      | 525  | 1                  |
| 113A2726-4  |                     | 1      | 530  | 1                  |
| 113A2731-1  |                     | 1      | 770  | 1                  |
| 113A2731-2  |                     | 1      | 775  | 1                  |
| 113A2731-3  |                     | 1      | 770A | 1                  |
| 113A2731-4  |                     | 1      | 775A | 1                  |
| 113A2732-1  |                     | 1      | 560  | 1                  |
| 113A2732-2  |                     | 1      | 565  | 1                  |
| 113A2735-1  |                     | 1      | 275  | 1                  |
| 113A2735-2  |                     | 1      | 280  | 1                  |
| 113A2735-3  |                     | 1      | 265  | 1                  |
| 113A2735-4  |                     | 1      | 270  | 1                  |
| 113A2736-1  |                     | 1      | 255  | 1                  |
| 113A2736-2  |                     | 1      | 260  | 1                  |
| 113A2736-3  |                     | 1      | 245  | 1                  |
| 113A2736-4  |                     | 1      | 250  | 1                  |
| 113A2737-1  |                     | 1      | 350  | 1                  |
| 113A2737-2  |                     | 1      | 355  | 1                  |
| 113A2737-3  |                     | 1      | 340  | 1                  |
| 113A2737-4  |                     | 1      | 345  | 1                  |
| 113A2742-1  |                     | 1      | 130  | 1                  |
| 113A2742-10 |                     | 1      | 620  | 1                  |
| 113A2742-11 |                     | 1      | 630  | 1                  |
| 113A2742-12 |                     | 1      | 635  | 1                  |
| 113A2742-13 |                     | 1      | 180  | 4                  |
| 113A2742-3  |                     | 1      | 135  | 1                  |
|             |                     | 1      | 625  | 1                  |
| 113A2742-5  |                     | 1      | 140  | 1                  |
| 113A2742-7  |                     | 1      | 145  | 1                  |
| 113A2742-8  |                     | 1      | 150  | 1                  |
| 113A2742-9  |                     | 1      | 615  | 1                  |
| 113A3172-30 |                     | 1      | 552  | 1                  |
| 113A3172-31 |                     | 1      | 553  | 1                  |
| 113A3172-32 |                     | 1      | 554  | 1                  |
| 113A3327-7  |                     | 1      | 15A  | 2                  |

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## COMPONENT MAINTENANCE MANUAL

| PART NUMBER     | AIRLINE PART NUMBER | FIGURE | ITEM | UNITS PER ASSEMBLY |
|-----------------|---------------------|--------|------|--------------------|
|                 |                     | 1      | 19A  | 2                  |
| 113N3325-2      |                     | 1      | 60   | 2                  |
| 60B00178-668    |                     | 1      | 65   | 2                  |
|                 |                     | 1      | 65A  | 2                  |
| 70188-3         |                     | 1      | 115  | 2                  |
|                 |                     | 1      | 600  | 2                  |
| 70191-3         |                     | 1      | 110  | 2                  |
|                 |                     | 1      | 595  | 2                  |
| 922007-3        |                     | 1      | 115  | 2                  |
|                 |                     | 1      | 600  | 2                  |
| 922008-3        |                     | 1      | 110  | 2                  |
|                 |                     | 1      | 595  | 2                  |
| 942007-3        |                     | 1      | 115  | 2                  |
|                 |                     | 1      | 600  | 2                  |
| 942008-3        |                     | 1      | 110  | 2                  |
|                 |                     | 1      | 595  | 2                  |
| 97E064          |                     | 1      | 10A  | 2                  |
| AF5140-3C2      |                     | 1      | 835  | 4                  |
| BACB28AP05P014  |                     | 1      | 515  | 1                  |
| BACB28AT06B014C |                     | 1      | 80   | 1                  |
|                 |                     | 1      | 445  | 1                  |
| BACB28AT07B014C |                     | 1      | 520  | 1                  |
| BACB30VF3K4     |                     | 1      | 105  | 6                  |
| BACB30VF3K5     |                     | 1      | 85   | 2                  |
|                 |                     | 1      | 100  | 7                  |
|                 |                     | 1      | 165  | 12                 |
|                 |                     | 1      | 195  | 24                 |
|                 |                     | 1      | 295  | 10                 |
|                 |                     | 1      | 385  | 12                 |
|                 |                     | 1      | 570  | 2                  |
|                 |                     | 1      | 590  | 7                  |
|                 |                     | 1      | 655  | 18                 |
| BACB30VF3K6     |                     | 1      | 200  | 8                  |
|                 |                     | 1      | 300  | 4                  |
|                 |                     | 1      | 365  | 4                  |

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| PART NUMBER    | AIRLINE PART NUMBER | FIGURE | ITEM | UNITS PER ASSEMBLY |
|----------------|---------------------|--------|------|--------------------|
|                |                     | 1      | 390  | 4                  |
|                |                     | 1      | 475  | 8                  |
|                |                     | 1      | 660  | 29                 |
|                |                     | 1      | 745  | 59                 |
| BACB30VT6K4    |                     | 1      | 790  | 8                  |
| BACB30VU6K15   |                     | 1      | 30   | 2                  |
| BACB30YP6K15   |                     | 1      | 30A  | 2                  |
| BACC30BL6      |                     | 1      | 800  | 8                  |
| BACF3T03C15-18 |                     | 1      | 465  | 2                  |
| BACN10JC6CM    |                     | 1      | 10A  | 2                  |
| BACN10KE3B2CD  |                     | 1      | 415  | 6                  |
|                |                     | 1      | 490  | 8                  |
|                |                     | 1      | 695  | 6                  |
| BACN10KE3B3CD  |                     | 1      | 230  | 12                 |
|                |                     | 1      | 330  | 4                  |
|                |                     | 1      | 700  | 1                  |
| BACN10KE3B4CD  |                     | 1      | 380  | 4                  |
|                |                     | 1      | 735  | 19                 |
| BACN10KE3DCD   |                     | 1      | 725  | 2                  |
| BACN10KE3E2CD  |                     | 1      | 715  | 2                  |
| BACN10KE3E3CD  |                     | 1      | 420  | 2                  |
| BACN10KE3E4CD  |                     | 1      | 235  | 4                  |
|                |                     | 1      | 335  | 2                  |
|                |                     | 1      | 730  | 4                  |
| BACN10KH3CD    |                     | 1      | 225  | 12                 |
|                |                     | 1      | 410  | 6                  |
| BACN10YF31CD   |                     | 1      | 720  | 1                  |
| BACN10YF32CD   |                     | 1      | 580  | 1                  |
|                |                     | 1      | 705  | 5                  |
| BACN10YF33CD   |                     | 1      | 95   | 2                  |
|                |                     | 1      | 175  | 12                 |
|                |                     | 1      | 240  | 4                  |
|                |                     | 1      | 325  | 8                  |
|                |                     | 1      | 425  | 2                  |
|                |                     | 1      | 585  | 1                  |

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| PART NUMBER       | AIRLINE PART NUMBER | FIGURE | ITEM | UNITS PER ASSEMBLY |
|-------------------|---------------------|--------|------|--------------------|
|                   |                     | 1      | 710  | 7                  |
| BACN10YK3C013N10U |                     | 1      | 760  | 1                  |
| BACN10YK3D013N10U |                     | 1      | 755  | 1                  |
| BACN10YK3D013N11U |                     | 1      | 750  | 3                  |
| BACN10YK3D013N6U  |                     | 1      | 765  | 1                  |
| BACN10YR3CD       |                     | 1      | 125  | 13                 |
|                   |                     | 1      | 610  | 7                  |
| BACN10YR6CM       |                     | 1      | 18   | 2                  |
| BACN10YT3CSA      |                     | 1      | 40   | 2                  |
| BACN11G3A2CD      |                     | 1      | 415A | 6                  |
|                   |                     | 1      | 490A | 8                  |
|                   |                     | 1      | 695A | 6                  |
| BACR15BA3AD4C     |                     | 1      | 170  | 24                 |
|                   |                     | 1      | 370  | 4                  |
|                   |                     | 1      | 685  | 42                 |
| BACR15BA3AD5C     |                     | 1      | 375  | 4                  |
|                   |                     | 1      | 690  | 4                  |
| BACR15BA3AD6      |                     | 1      | 670  | 12                 |
| BACR15CE6AD       |                     | 1      | 210  | 4                  |
| BACR15DR3PAC2     |                     | 1      | 835  | 4                  |
| BACR15FP5E3       |                     | 1      | 555  | 14                 |
| BACR15FT6AD       |                     | 1      | 215  | 4                  |
|                   |                     | 1      | 315  | 4                  |
|                   |                     | 1      | 400  | 1                  |
| BACR15GE3CW2      |                     | 1      | 485  | 16                 |
|                   |                     | 1      | 485A | 16                 |
| BACR15GE3CW3      |                     | 1      | 675  | 12                 |
| BACR15GE3CW4      |                     | 1      | 90   | 4                  |
|                   |                     | 1      | 90A  | 4                  |
|                   |                     | 1      | 220  | 64                 |
|                   |                     | 1      | 220A | 64                 |
|                   |                     | 1      | 320  | 28                 |
|                   |                     | 1      | 405  | 32                 |
|                   |                     | 1      | 405A | 32                 |
|                   |                     | 1      | 575  | 4                  |

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| PART NUMBER     | AIRLINE PART NUMBER | FIGURE | ITEM | UNITS PER ASSEMBLY |
|-----------------|---------------------|--------|------|--------------------|
|                 |                     | 1      | 575A | 4                  |
|                 |                     | 1      | 665  | 22                 |
|                 |                     | 1      | 665A | 22                 |
| BACR15GE3CW6    |                     | 1      | 680  | 2                  |
|                 |                     | 1      | 680A | 2                  |
| BACR15GF5D7     |                     | 1      | 205  | 8                  |
|                 |                     | 1      | 305  | 2                  |
| BACR15GF5D8     |                     | 1      | 310  | 2                  |
|                 |                     | 1      | 395  | 4                  |
|                 |                     | 1      | 480  | 8                  |
| BACS40R009C015F |                     | 1      | 290  | 8                  |
|                 |                     | 1      | 360  | 4                  |
| BACS40R015C018F |                     | 1      | 470  | 2                  |
| BACS40R015C030F |                     | 1      | 545  | 4                  |
| BACW10BP6NAPU   |                     | 1      | 19   | 2                  |
| BACW10CA3CC     |                     | 1      | 110  | 2                  |
|                 |                     | 1      | 595  | 2                  |
| BACW10CA3CV     |                     | 1      | 115  | 2                  |
|                 |                     | 1      | 600  | 2                  |
| BCREF12800      |                     | 1      | 765  | 1                  |
| BCREF12801      |                     | 1      | 750  | 3                  |
| BCREF12802      |                     | 1      | 755  | 1                  |
| BCREF12803      |                     | 1      | 760  | 1                  |
| BRFR120C3-2D    |                     | 1      | 715  | 2                  |
| BRFR120C3-3D    |                     | 1      | 420  | 2                  |
| BRFR120C3-4D    |                     | 1      | 235  | 4                  |
|                 |                     | 1      | 335  | 2                  |
|                 |                     | 1      | 730  | 4                  |
| BRFR220C3-2D    |                     | 1      | 415  | 6                  |
|                 |                     | 1      | 490  | 8                  |
|                 |                     | 1      | 695  | 6                  |
| BRFR220C3-3D    |                     | 1      | 230  | 12                 |
|                 |                     | 1      | 330  | 4                  |
|                 |                     | 1      | 700  | 1                  |
| BRFR220C3-4D    |                     | 1      | 380  | 4                  |

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| PART NUMBER   | AIRLINE PART NUMBER | FIGURE | ITEM | UNITS PER ASSEMBLY |
|---------------|---------------------|--------|------|--------------------|
|               |                     | 1      | 735  | 19                 |
| BRH10C6M      |                     | 1      | 10A  | 2                  |
| CC67859       |                     | 1      | 65   | 2                  |
|               |                     | 1      | 65A  | 2                  |
| CCR274CS3-2IT |                     | 1      | 835  | 4                  |
| CF2975        |                     | 1      | 65   | 2                  |
|               |                     | 1      | 65A  | 2                  |
| CR3252-5-3    |                     | 1      | 555  | 14                 |
| F51747-3-2CD  |                     | 1      | 415  | 6                  |
|               |                     | 1      | 490  | 8                  |
|               |                     | 1      | 695  | 6                  |
| F51747-3-3CD  |                     | 1      | 230  | 12                 |
|               |                     | 1      | 330  | 4                  |
|               |                     | 1      | 700  | 1                  |
| F51747-3-4CD  |                     | 1      | 380  | 4                  |
|               |                     | 1      | 735  | 19                 |
| F51751-3-2CD  |                     | 1      | 715  | 2                  |
| F51751-3-3CD  |                     | 1      | 420  | 2                  |
| F51751-3-4CD  |                     | 1      | 235  | 4                  |
|               |                     | 1      | 335  | 2                  |
|               |                     | 1      | 730  | 4                  |
| F51753-3CD    |                     | 1      | 725  | 2                  |
| FS1651-3      |                     | 1      | 225  | 12                 |
|               |                     | 1      | 410  | 6                  |
| H01-6BAC      |                     | 1      | 10A  | 2                  |
| H52732-3CD    |                     | 1      | 125  | 13                 |
|               |                     | 1      | 610  | 7                  |
| H52732-6CM    |                     | 1      | 18   | 2                  |
| HST10AG6-4    |                     | 1      | 790  | 8                  |
|               |                     | 1      | 790  | 8                  |
|               |                     | 1      | 790  | 8                  |
|               |                     | 1      | 790  | 8                  |
| HST11AG6-15   |                     | 1      | 30   | 2                  |
|               |                     | 1      | 30   | 2                  |
|               |                     | 1      | 30   | 2                  |

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| PART NUMBER    | AIRLINE PART NUMBER | FIGURE | ITEM | UNITS PER ASSEMBLY |
|----------------|---------------------|--------|------|--------------------|
| HST79-6        |                     | 1      | 30   | 2                  |
|                |                     | 1      | 800  | 8                  |
|                |                     | 1      | 800  | 8                  |
|                |                     | 1      | 800  | 8                  |
| HST79CY6       |                     | 1      | 800  | 8                  |
|                |                     | 1      | 800  | 8                  |
| K29646-3       |                     | 1      | 115  | 2                  |
|                |                     | 1      | 600  | 2                  |
| K29913-3       |                     | 1      | 110  | 2                  |
|                |                     | 1      | 595  | 2                  |
| MF51594-3-2BAC |                     | 1      | 580  | 1                  |
|                |                     | 1      | 705  | 5                  |
| MF51594-3-3BAC |                     | 1      | 95   | 2                  |
|                |                     | 1      | 175  | 12                 |
|                |                     | 1      | 240  | 4                  |
|                |                     | 1      | 325  | 8                  |
|                |                     | 1      | 425  | 2                  |
|                |                     | 1      | 585  | 1                  |
|                |                     | 1      | 710  | 7                  |
| MS27253C1      |                     | 1      | 840  | 1                  |
| NAS1149C0363R  |                     | 1      | 35   | 2                  |
| NAS1149D0363J  |                     | 1      | 120  | 11                 |
|                |                     | 1      | 605  | 5                  |
| NAS1195DD3KH   |                     | 1      | 285  | 12                 |
|                |                     | 1      | 460  | 6                  |
| NAS1329A3B130  |                     | 1      | 795  | 5                  |
| NAS1399CW3A2   |                     | 1      | 485B | 16                 |
|                |                     | 1      | 575B | 4                  |
|                |                     | 1      | 665B | 22                 |
|                |                     | 1      | 680B | 2                  |
| NAS1399CW3A4   |                     | 1      | 90B  | 4                  |
|                |                     | 1      | 220B | 64                 |
|                |                     | 1      | 405B | 32                 |
| NS202493-02-2  |                     | 1      | 415  | 6                  |
|                |                     | 1      | 490  | 8                  |
|                |                     | 1      | 695  | 6                  |

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## COMPONENT MAINTENANCE MANUAL

| PART NUMBER   | AIRLINE PART NUMBER | FIGURE | ITEM | UNITS PER ASSEMBLY |
|---------------|---------------------|--------|------|--------------------|
| NS202493-02-3 |                     | 1      | 230  | 12                 |
|               |                     | 1      | 330  | 4                  |
|               |                     | 1      | 700  | 1                  |
| NS202493-02-4 |                     | 1      | 380  | 4                  |
|               |                     | 1      | 735  | 19                 |
| NS202494-02-2 |                     | 1      | 715  | 2                  |
| NS202494-02-3 |                     | 1      | 420  | 2                  |
| NS202494-02-4 |                     | 1      | 235  | 4                  |
|               |                     | 1      | 335  | 2                  |
|               |                     | 1      | 730  | 4                  |
| NS202495-02   |                     | 1      | 725  | 2                  |
| NS202496-02   |                     | 1      | 225  | 12                 |
|               |                     | 1      | 410  | 6                  |
| PLH53CD       |                     | 1      | 125  | 13                 |
|               |                     | 1      | 610  | 7                  |
| PLH56CM       |                     | 1      | 18   | 2                  |
| RV540A3C2     |                     | 1      | 835  | 4                  |
| WC331K6-15    |                     | 1      | 30A  | 2                  |

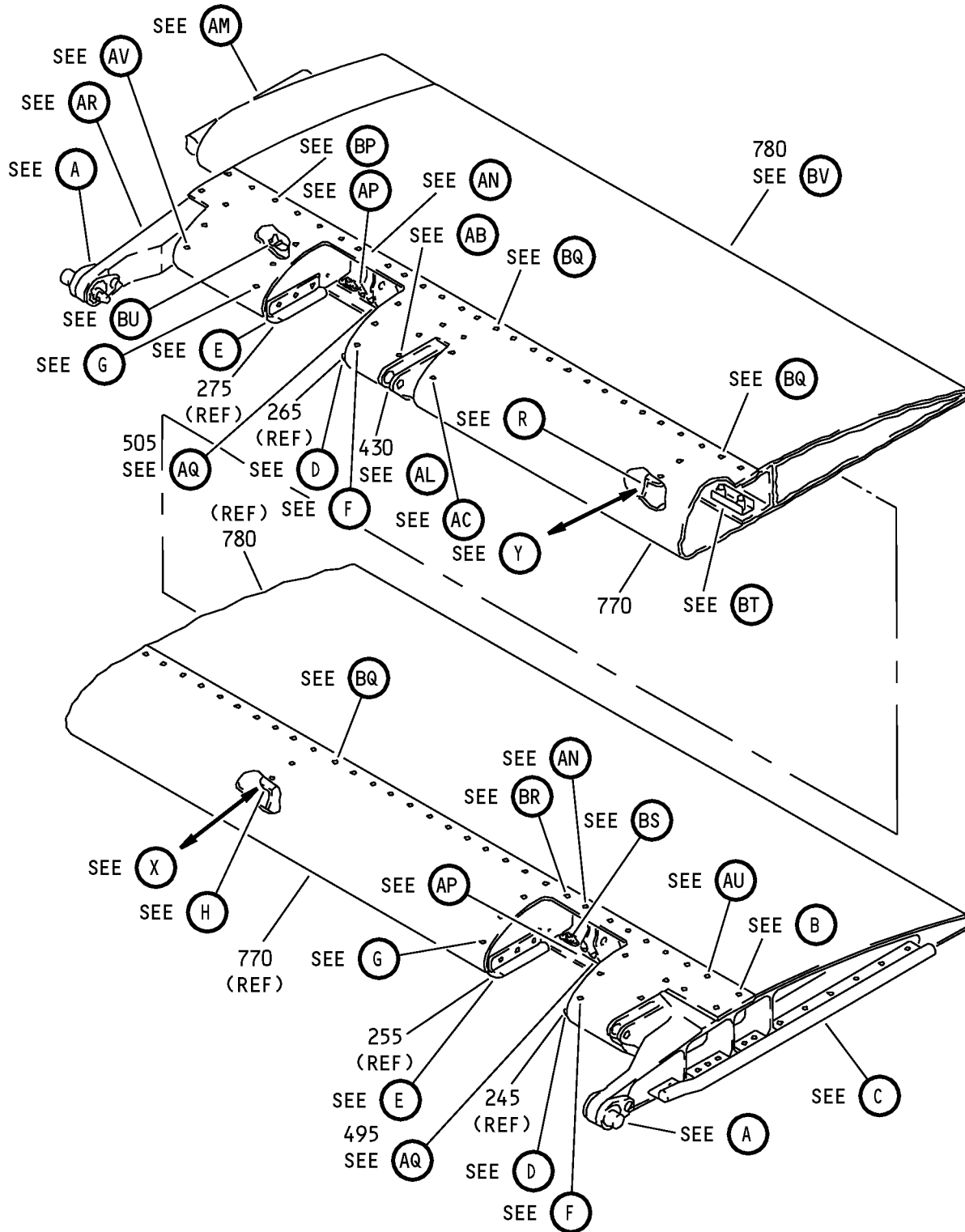
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Inboard Flap - Aft Flap Assembly  
IPL Figure 1 (Sheet 1 of 21)

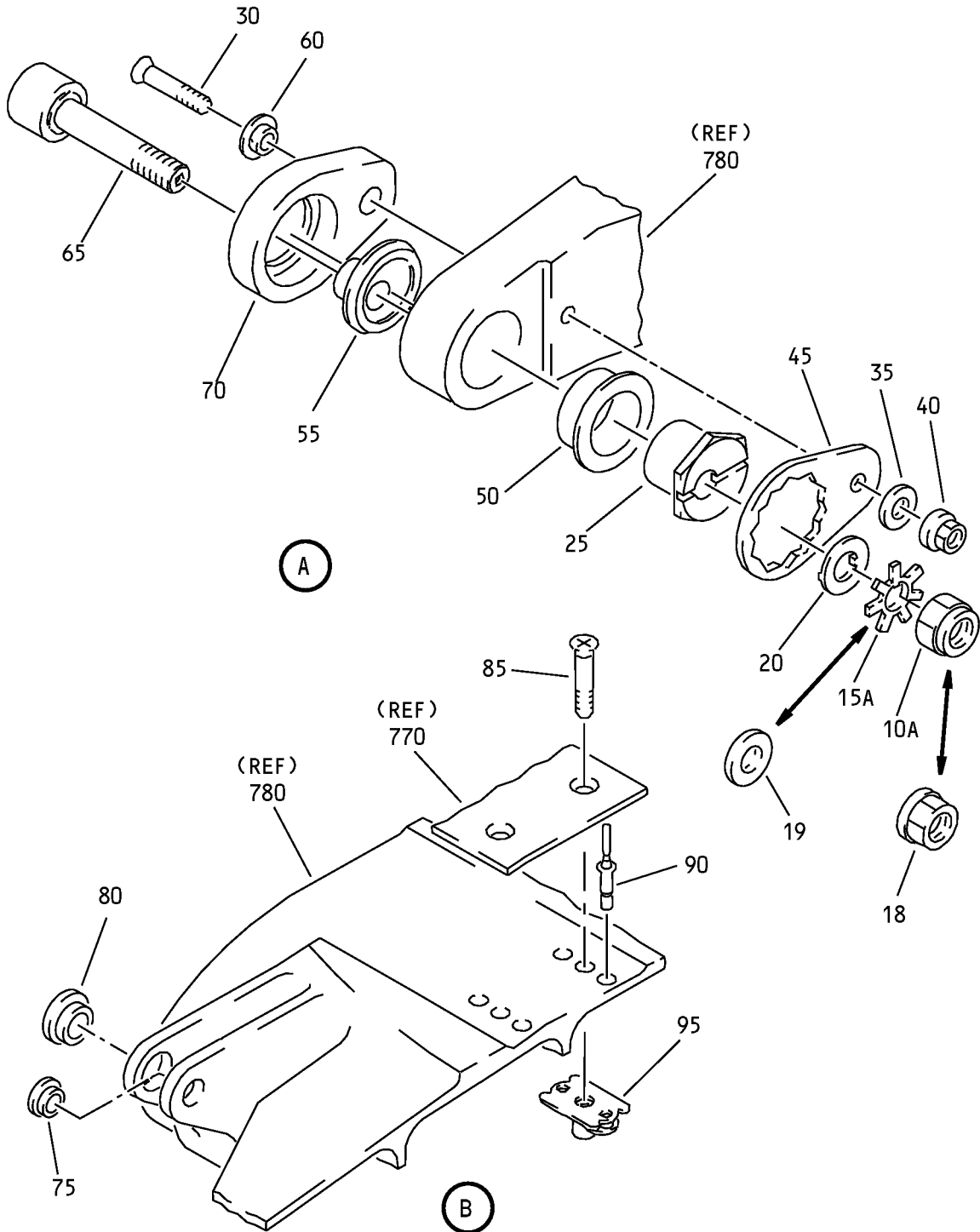
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Inboard Flap - Aft Flap Assembly  
 IPL Figure 1 (Sheet 2 of 21)

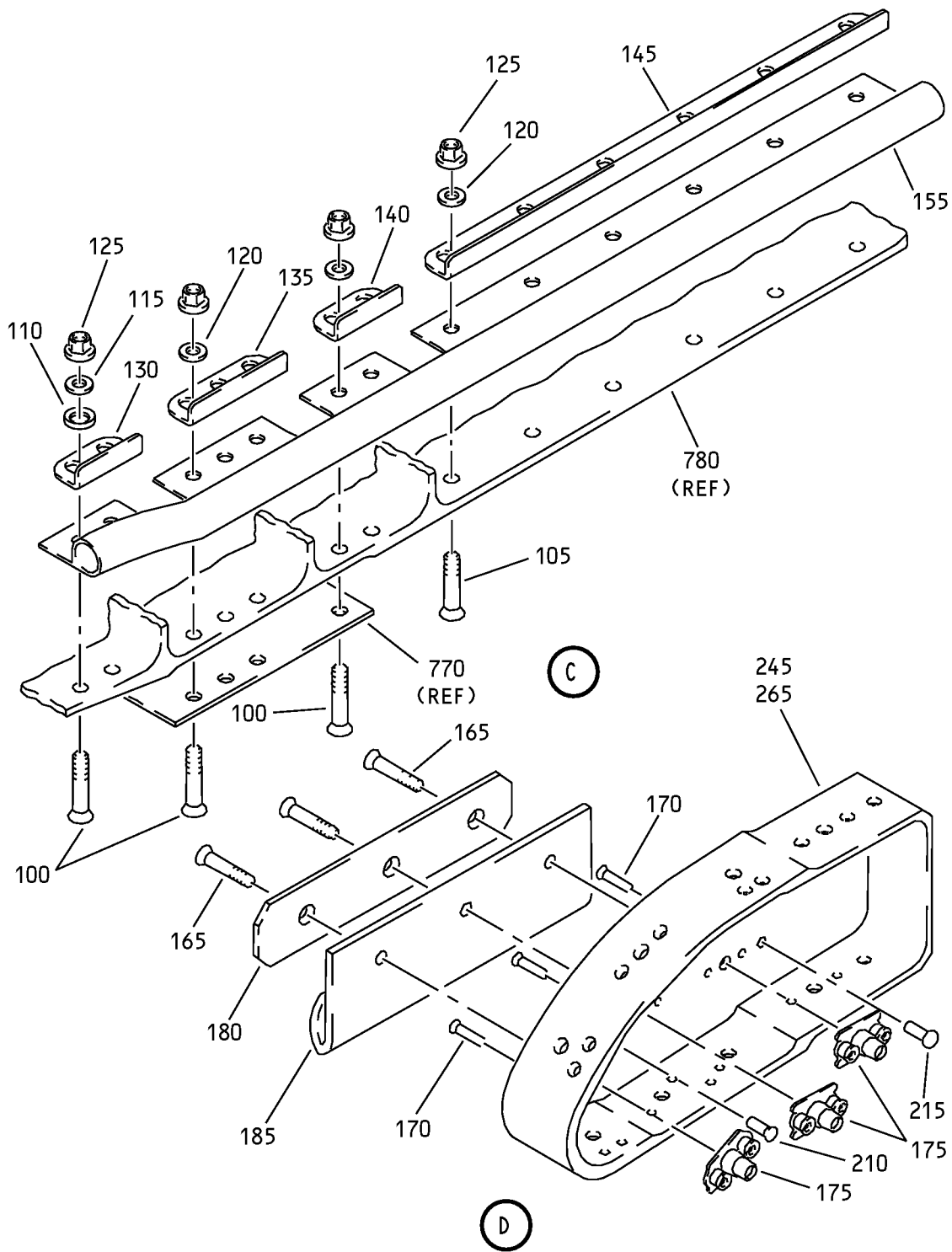
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Inboard Flap - Aft Flap Assembly  
IPL Figure 1 (Sheet 3 of 21)

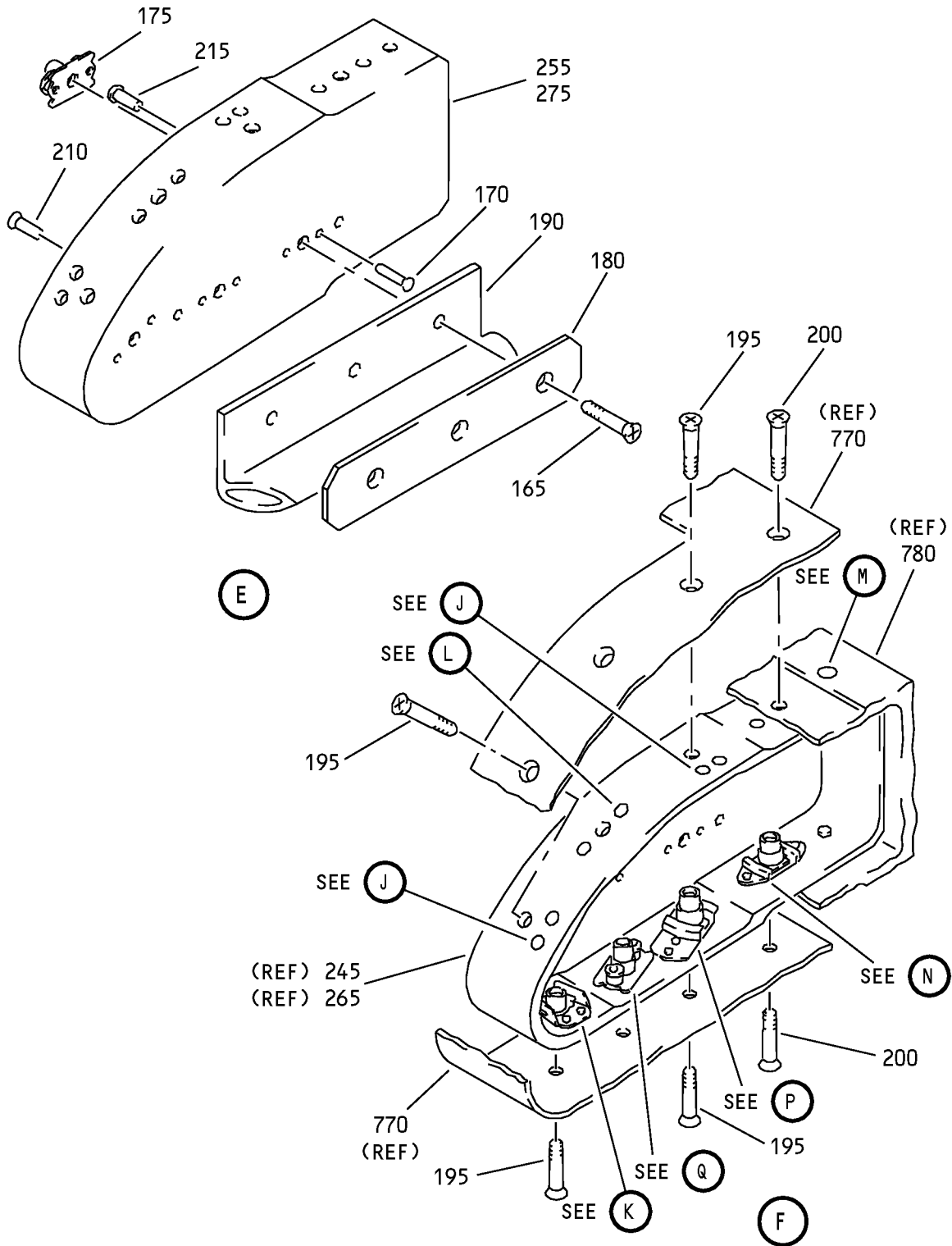
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Inboard Flap - Aft Flap Assembly  
IPL Figure 1 (Sheet 4 of 21)

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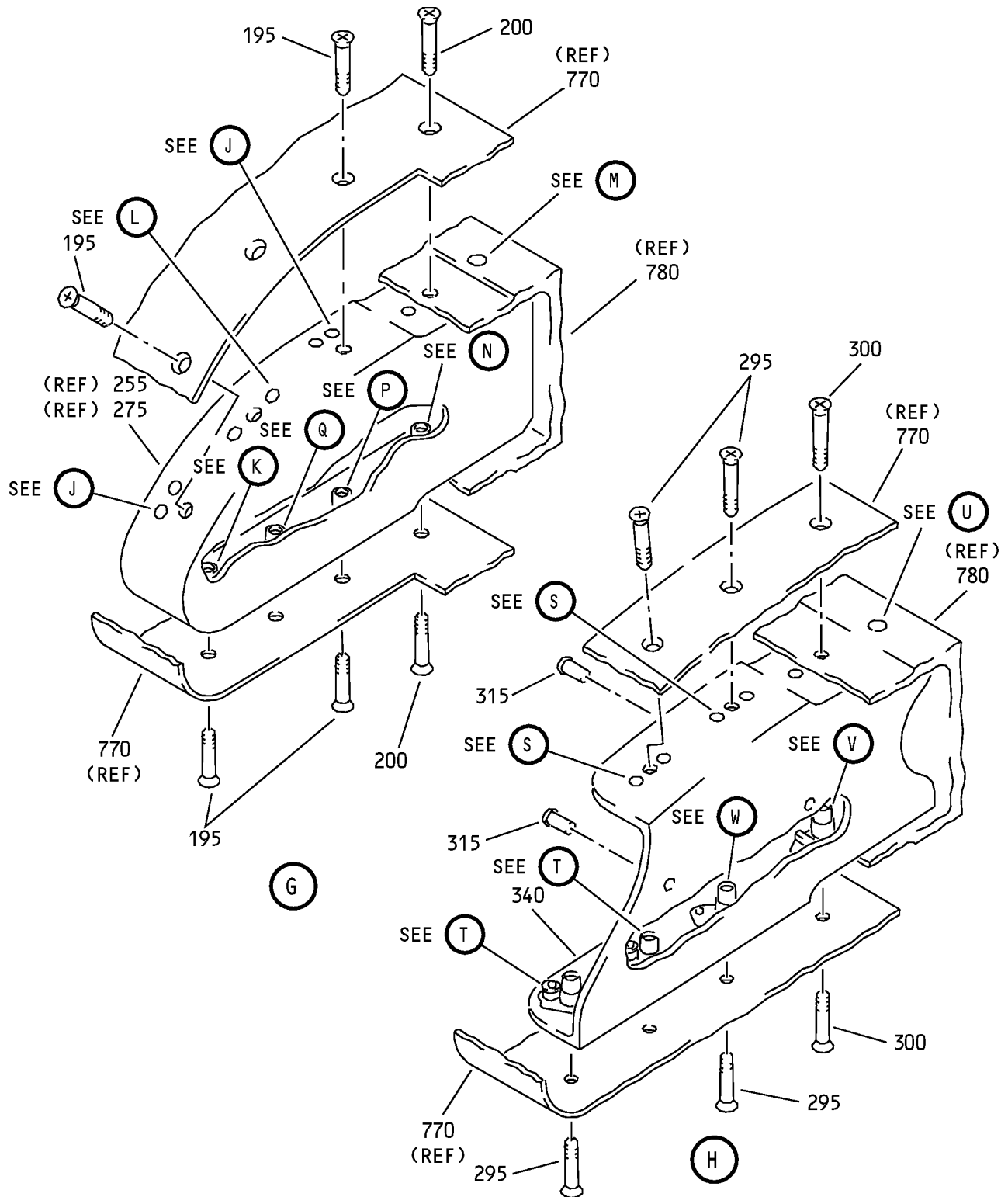
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Inboard Flap - Aft Flap Assembly  
IPL Figure 1 (Sheet 5 of 21)

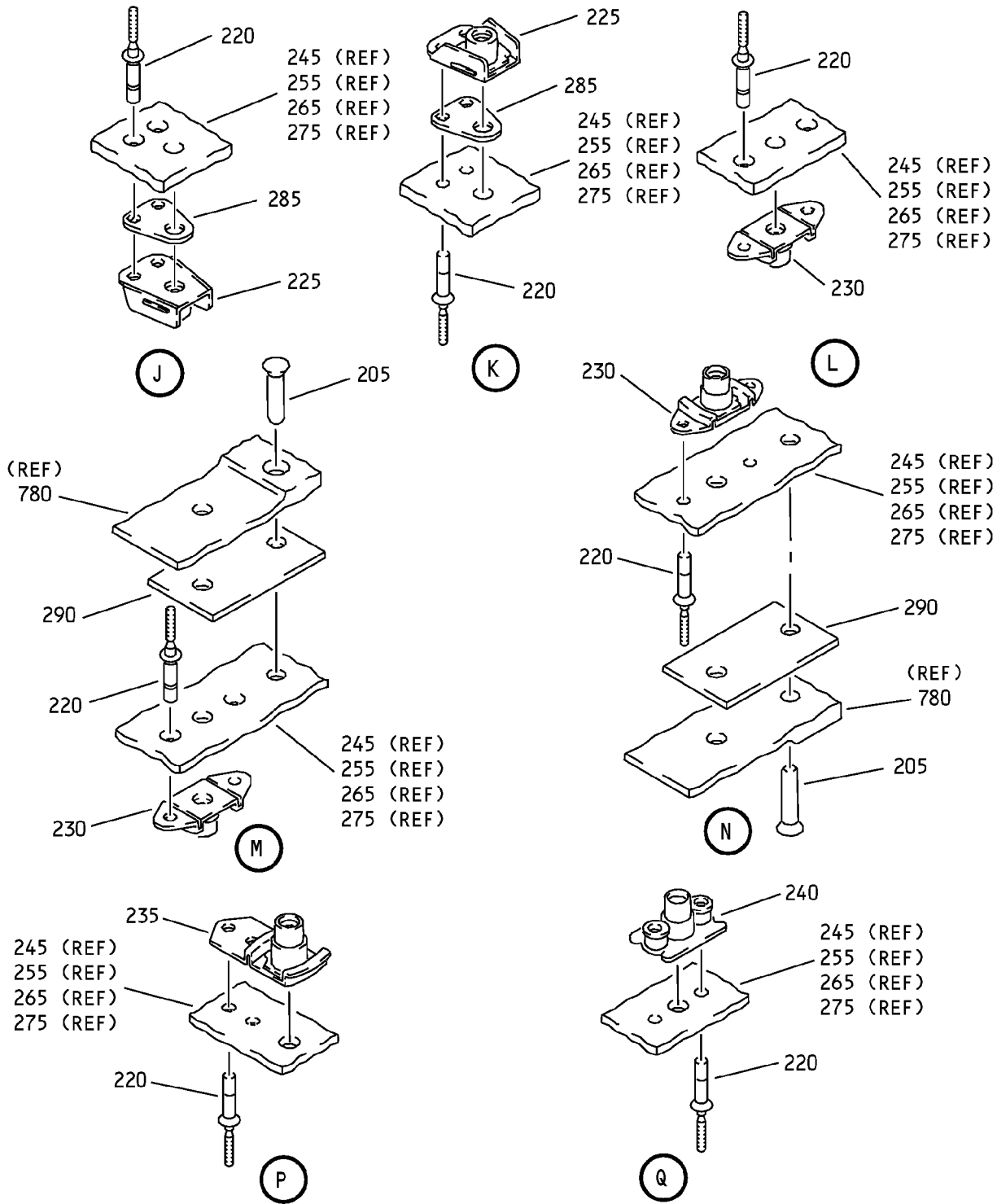
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Inboard Flap - Aft Flap Assembly  
IPL Figure 1 (Sheet 6 of 21)

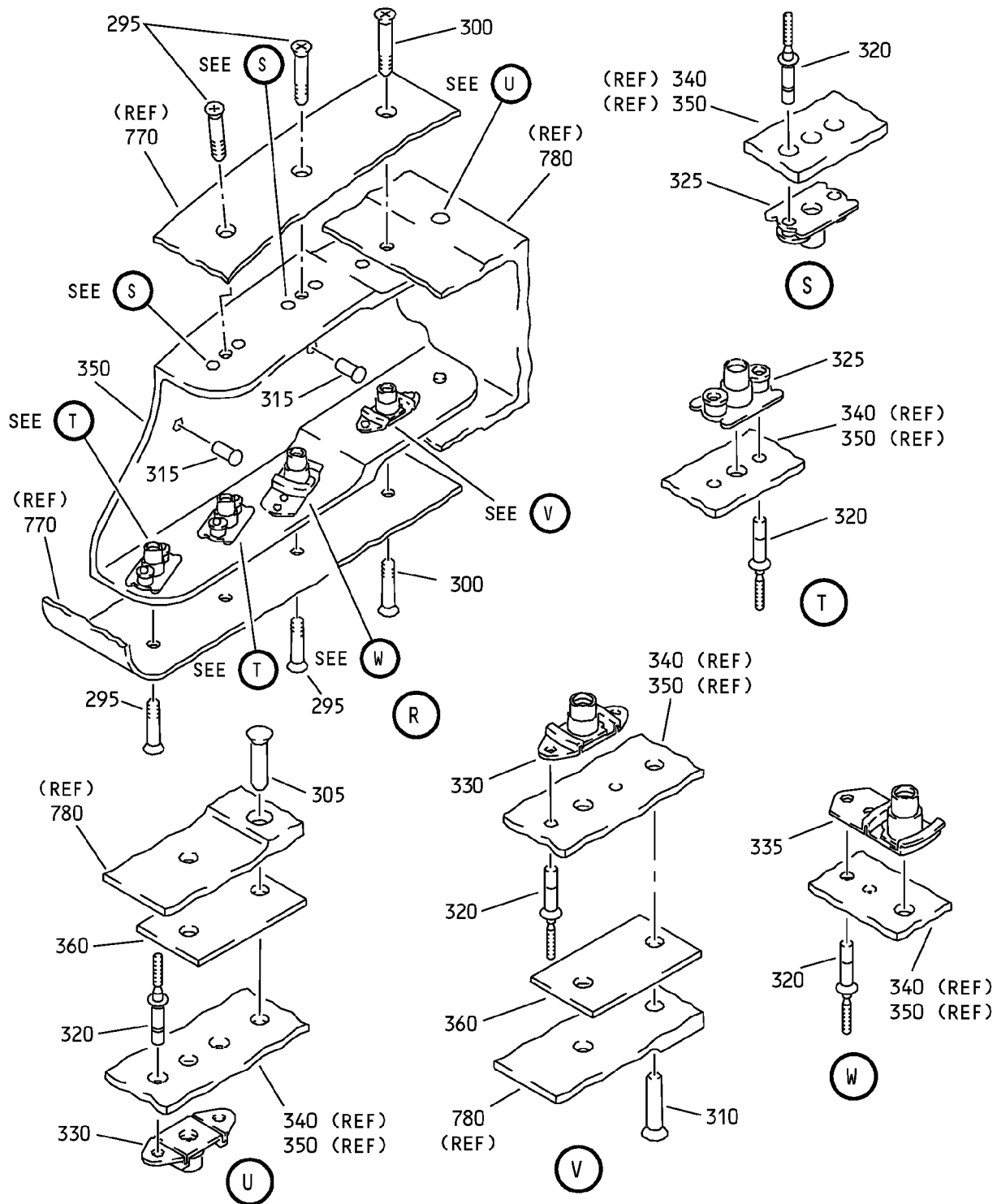
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Inboard Flap - Aft Flap Assembly  
IPL Figure 1 (Sheet 7 of 21)

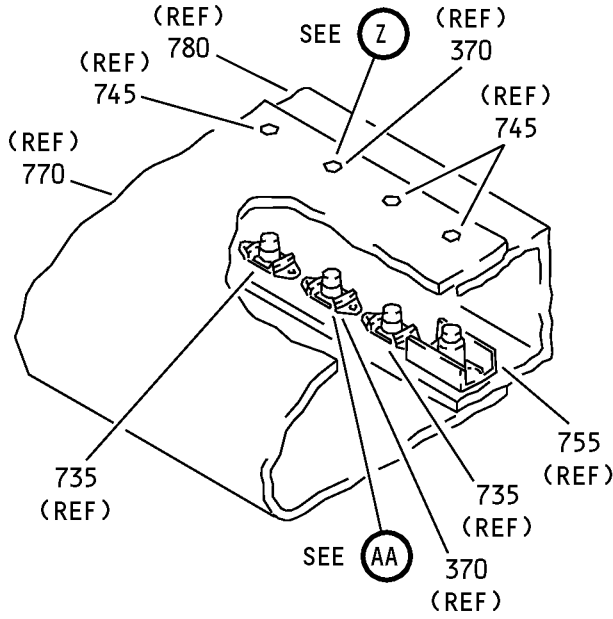
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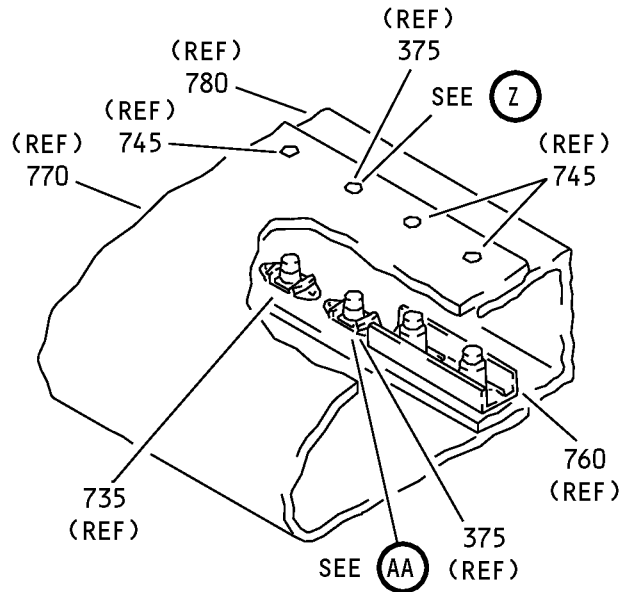
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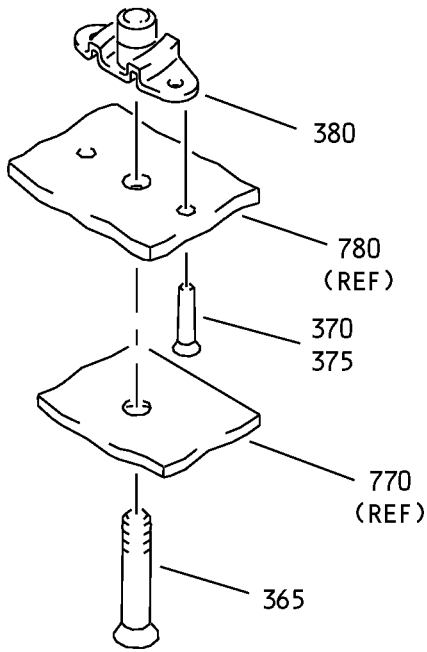
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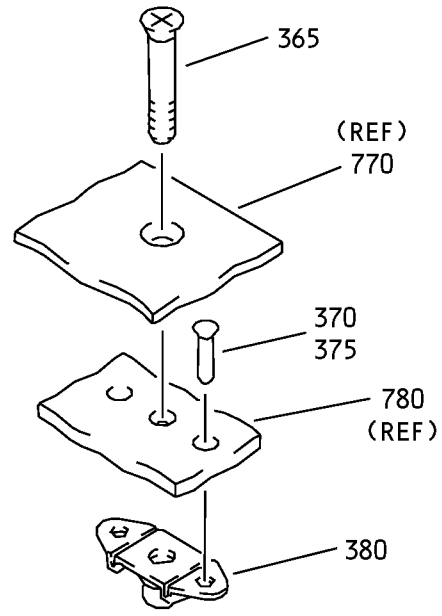
X



Y



AA



Z

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IPL Figure 1 (Sheet 8 of 21)

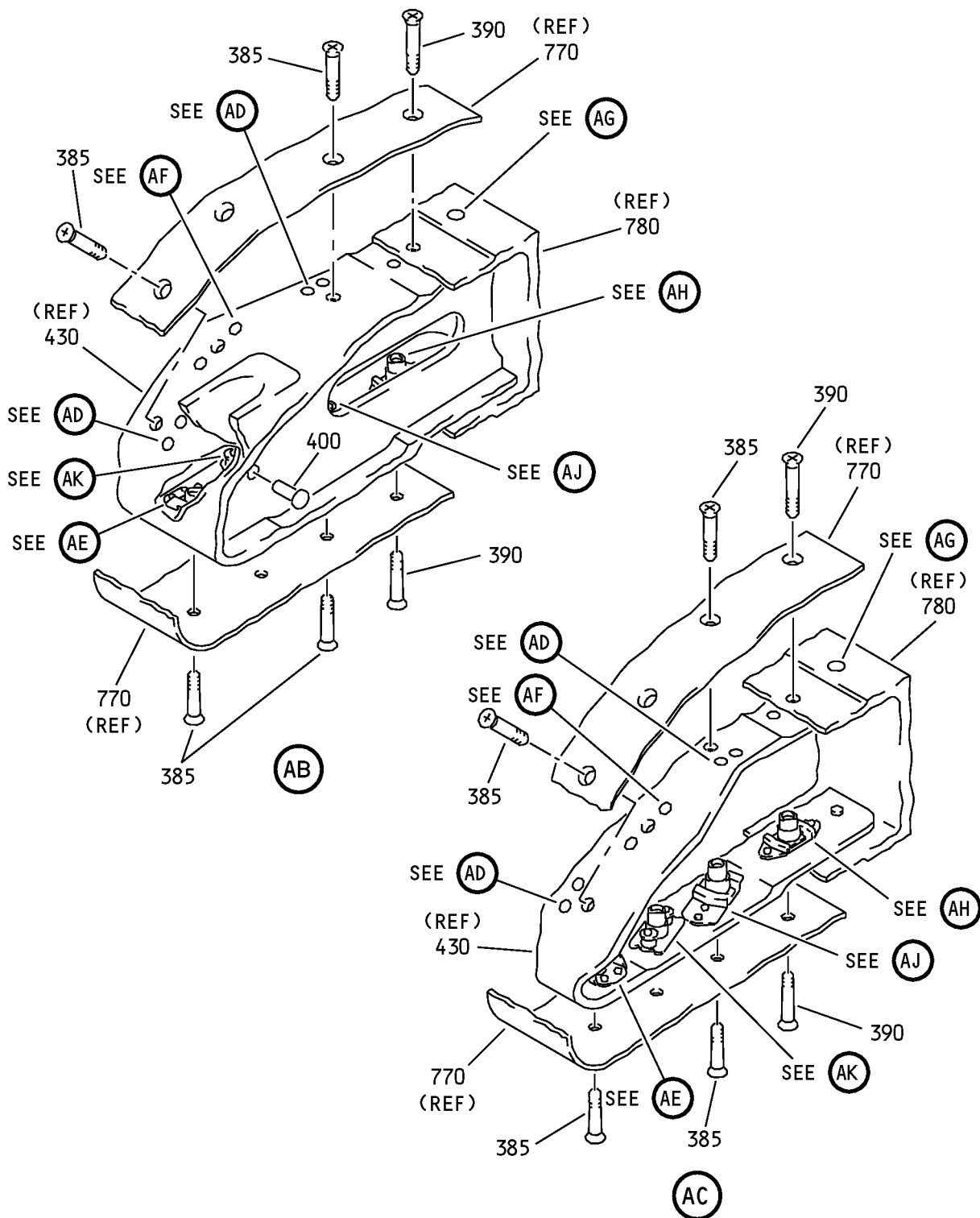
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Inboard Flap - Aft Flap Assembly  
IPL Figure 1 (Sheet 9 of 21)

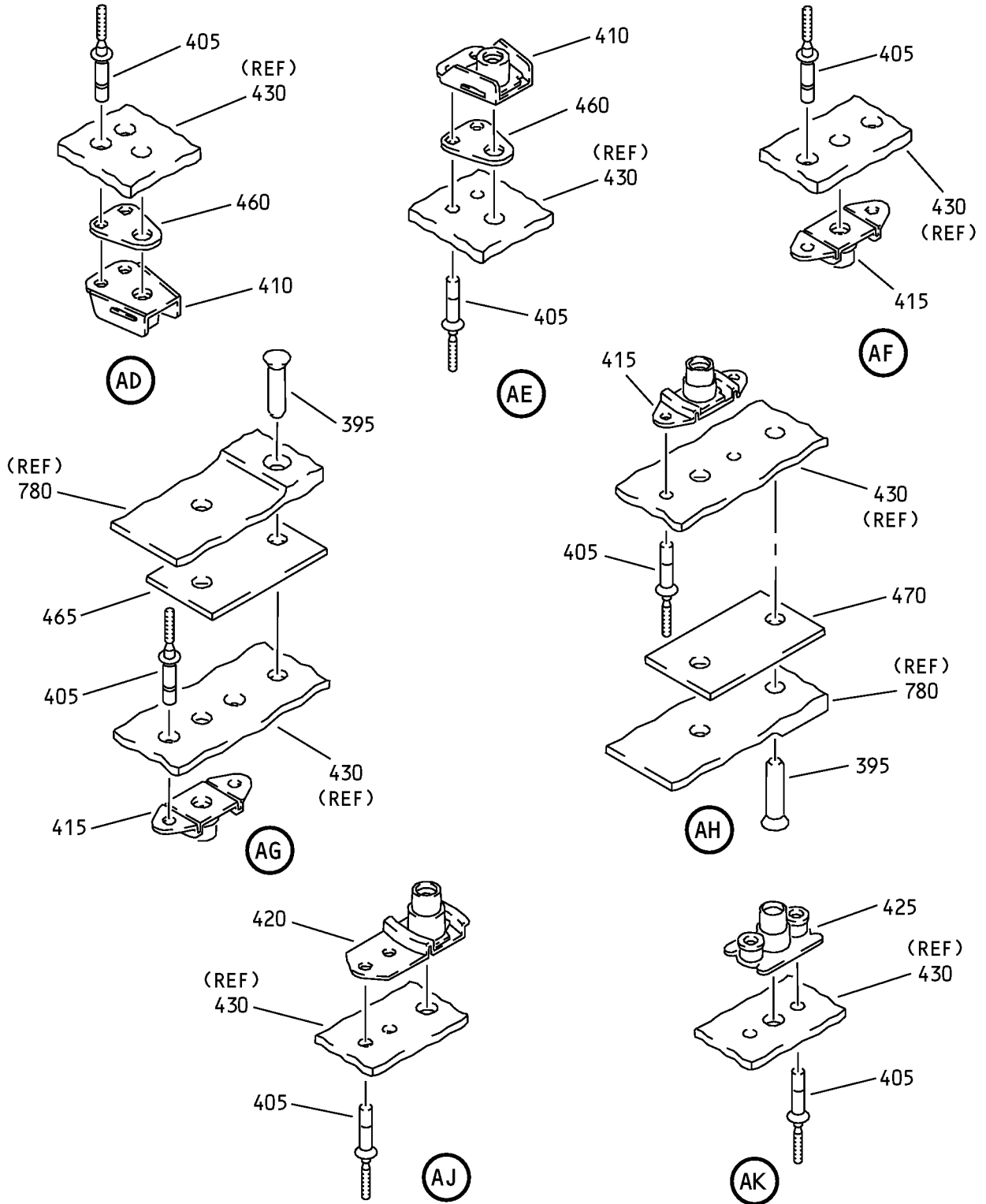
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Inboard Flap - Aft Flap Assembly  
IPL Figure 1 (Sheet 10 of 21)

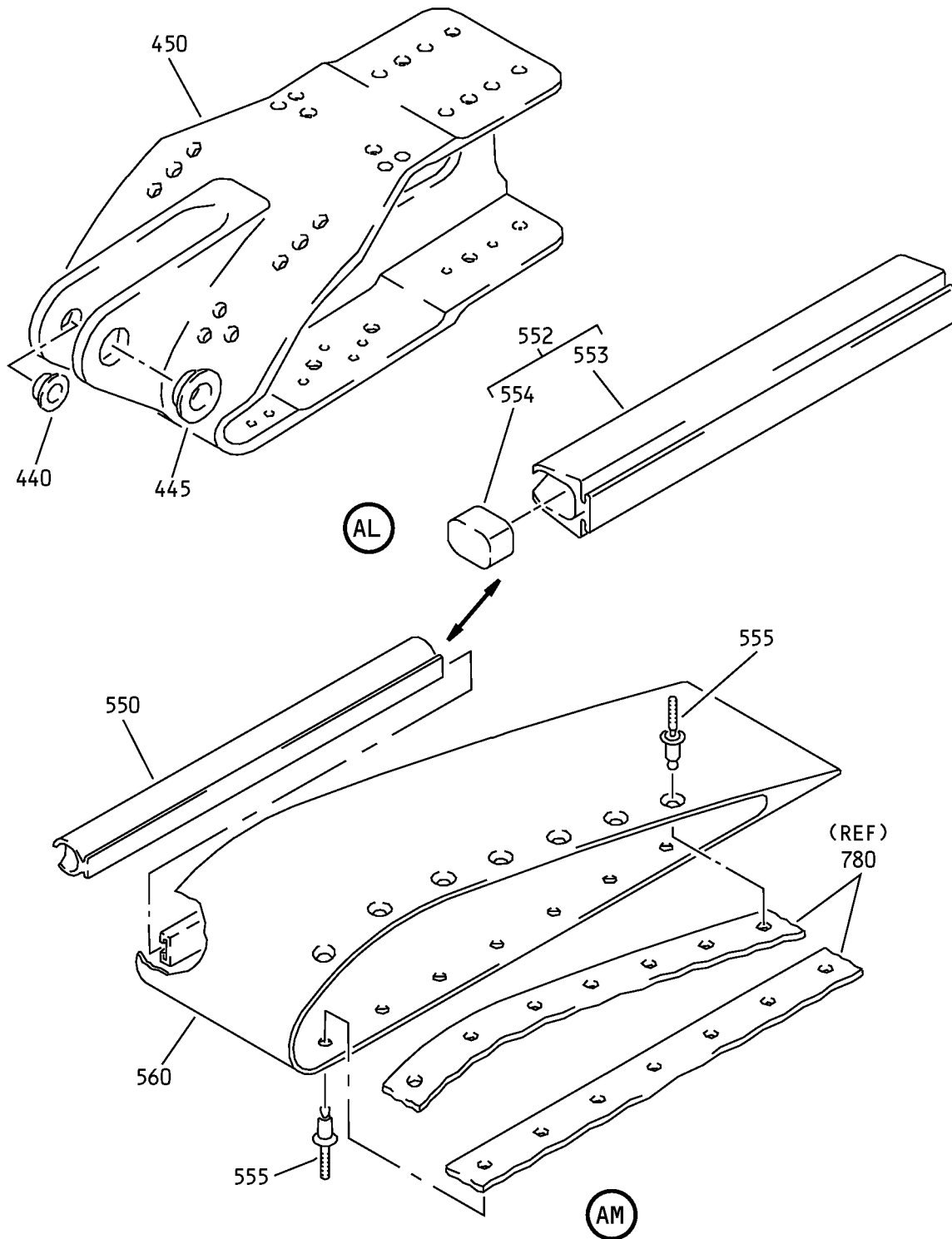
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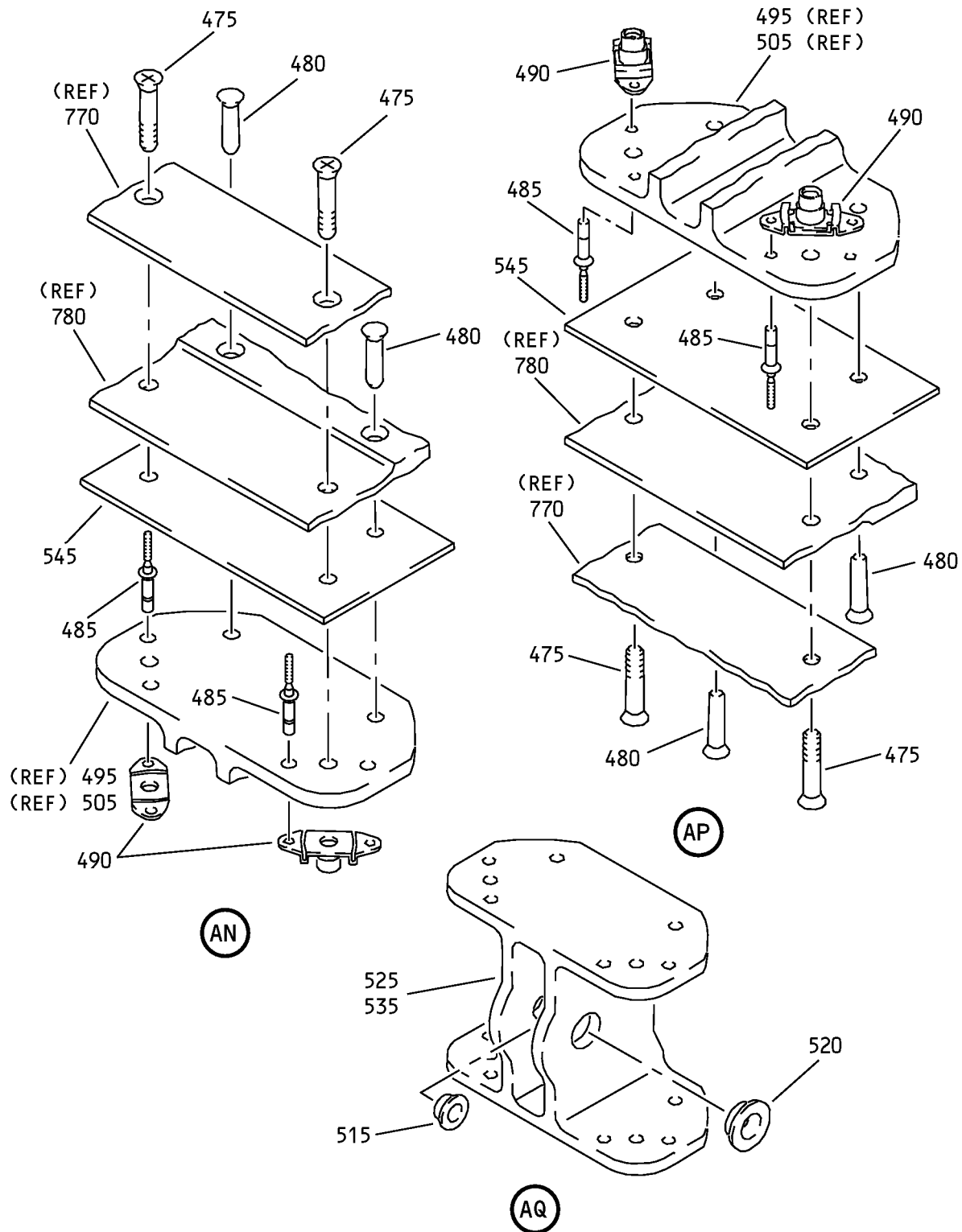
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Inboard Flap - Aft Flap Assembly  
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Inboard Flap - Aft Flap Assembly  
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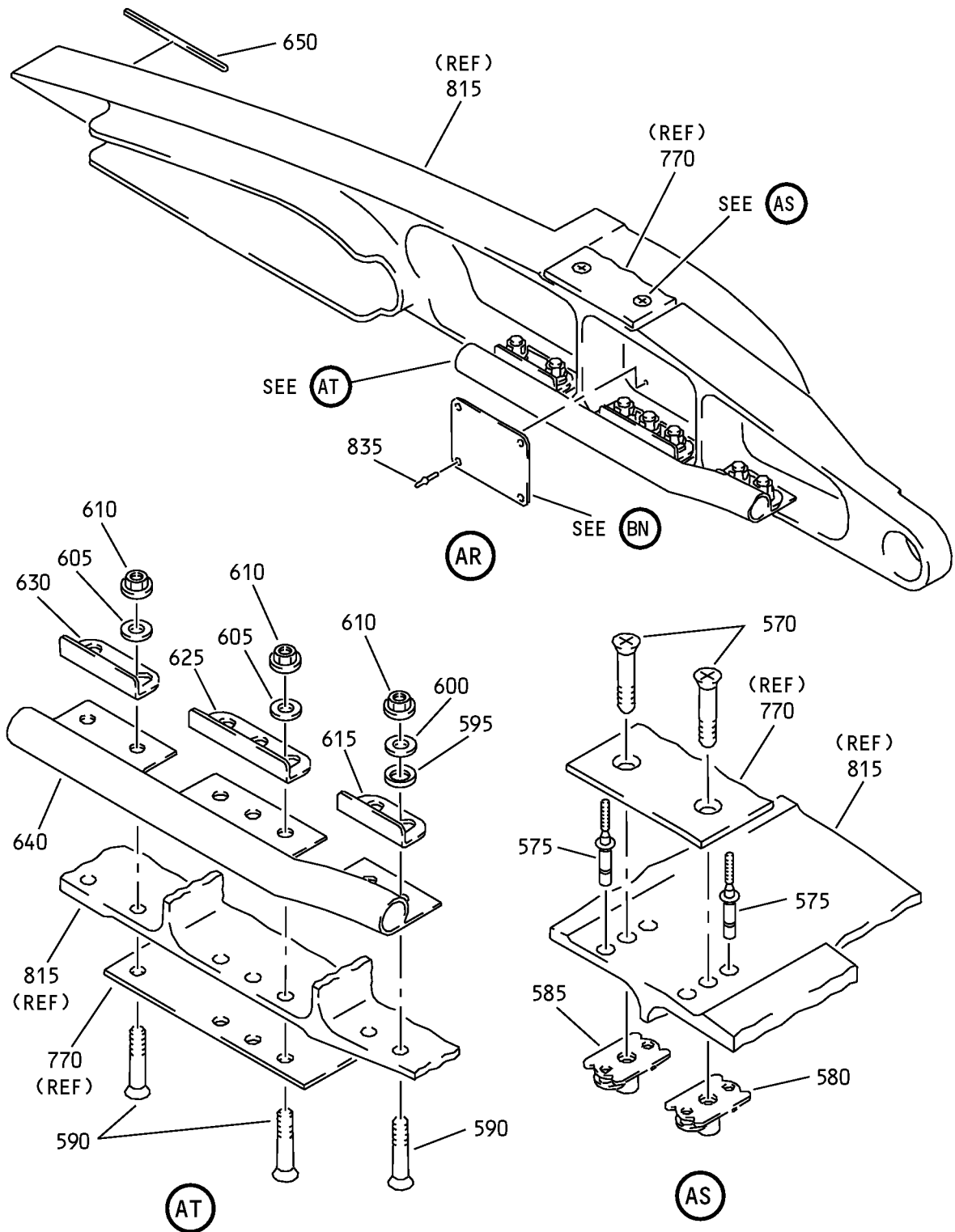
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Inboard Flap - Aft Flap Assembly  
IPL Figure 1 (Sheet 13 of 21)

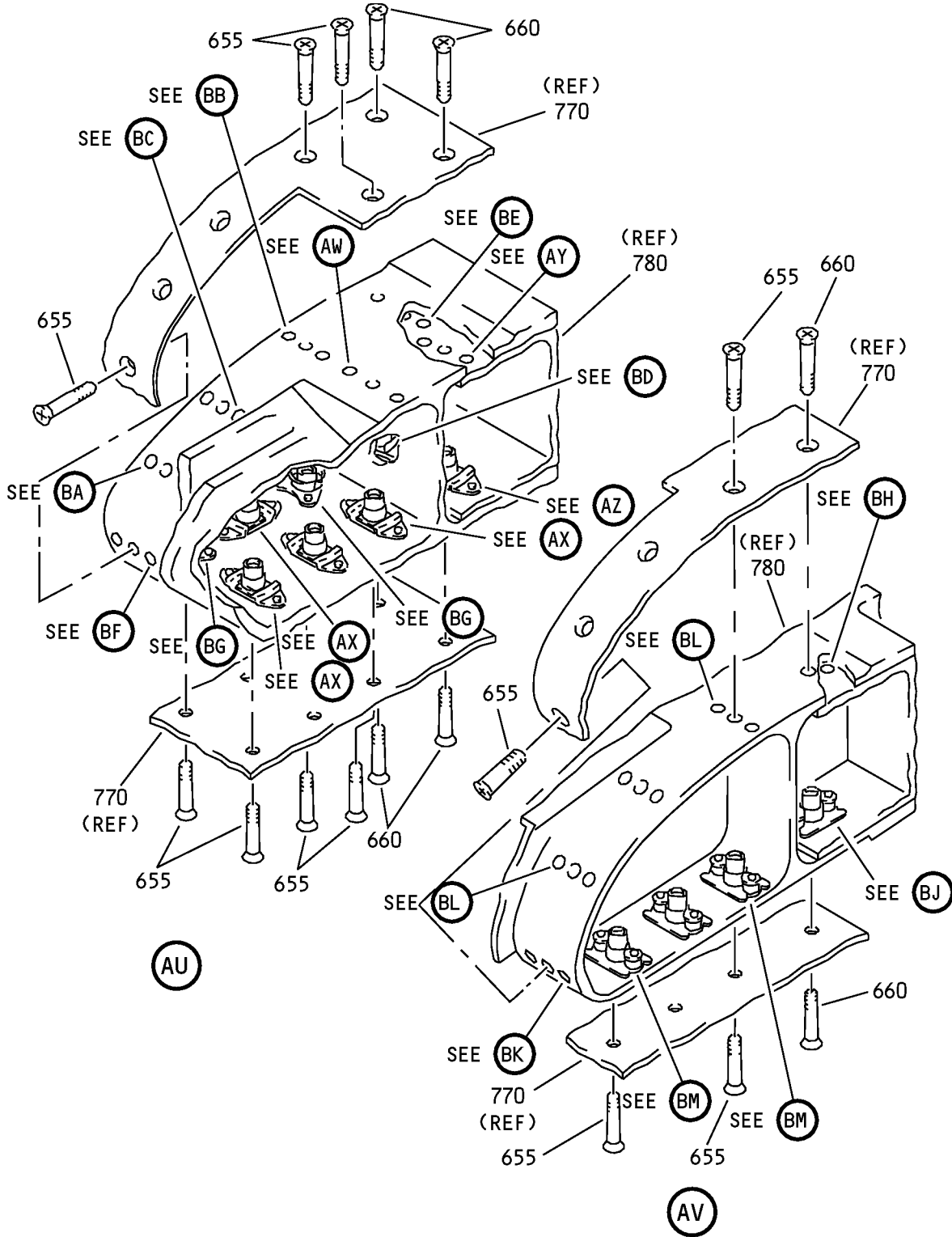
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Inboard Flap - Aft Flap Assembly  
IPL Figure 1 (Sheet 14 of 21)

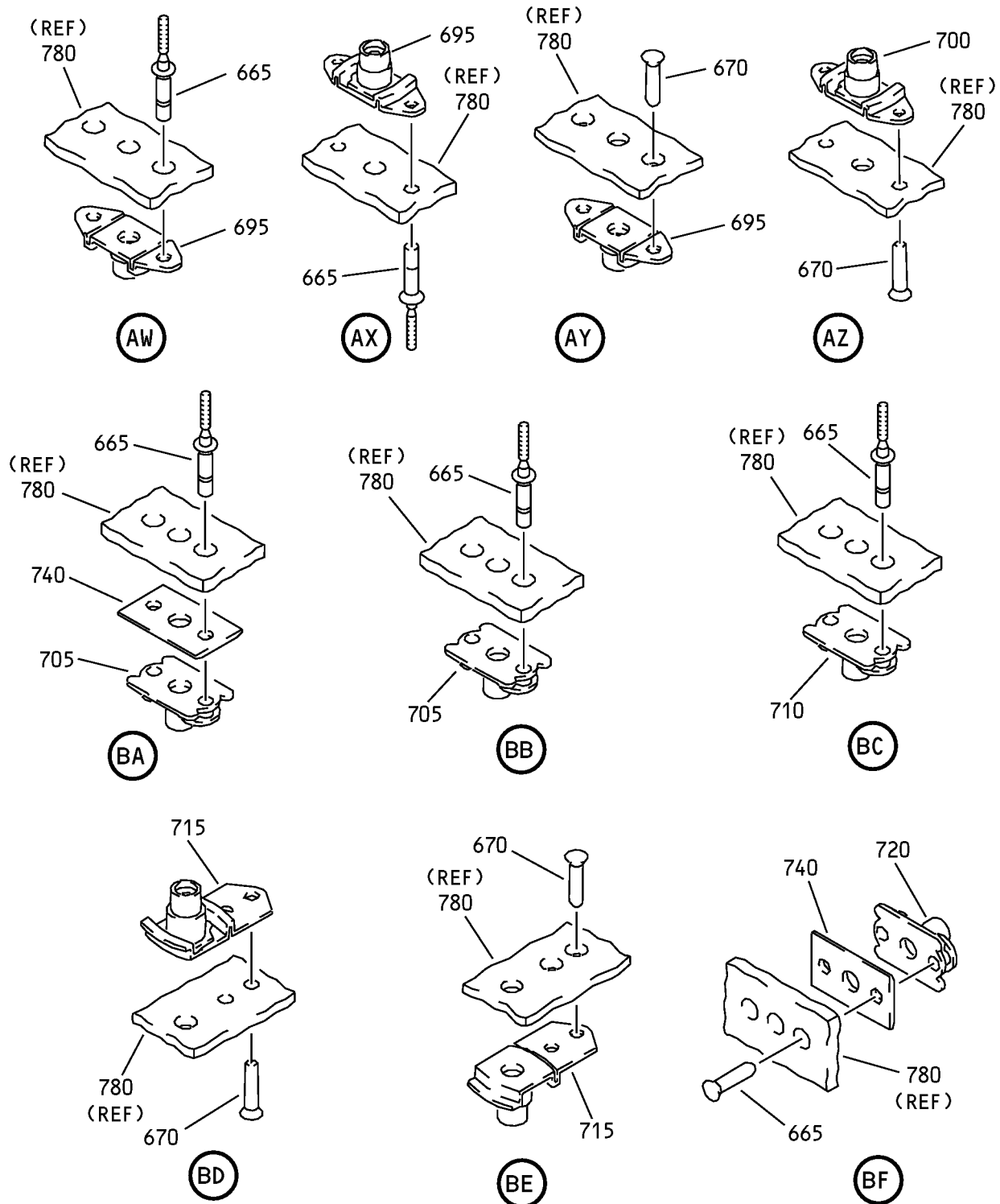
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Inboard Flap - Aft Flap Assembly  
IPL Figure 1 (Sheet 15 of 21)

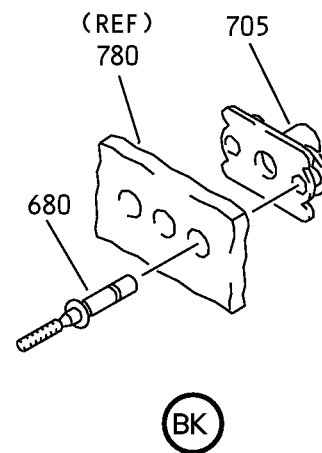
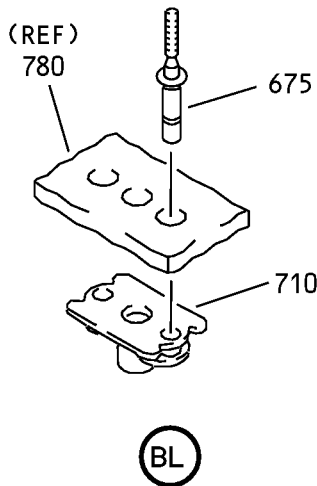
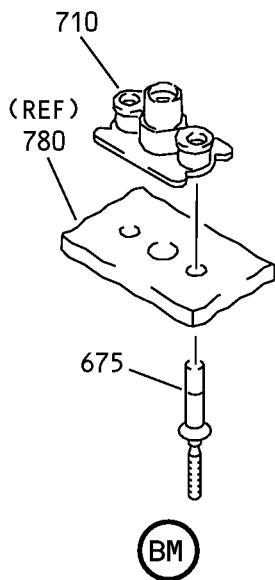
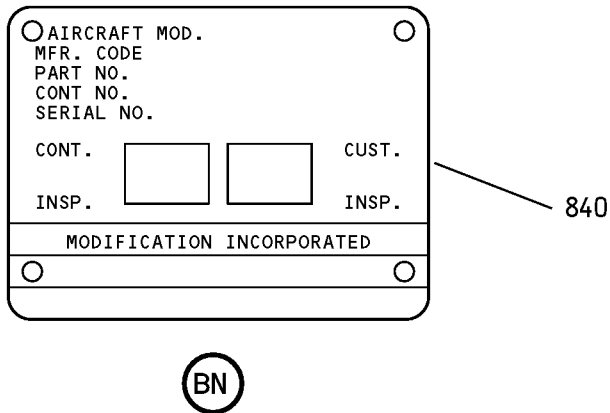
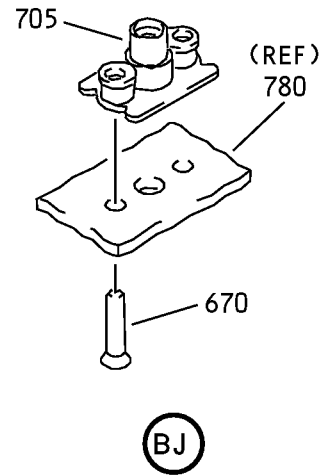
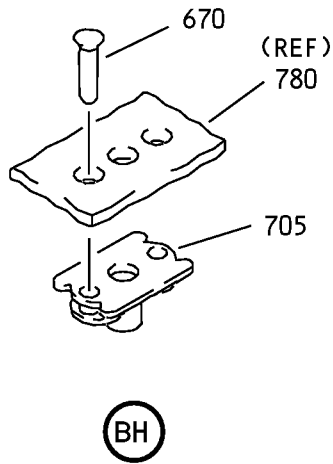
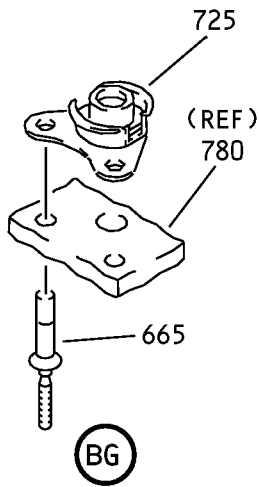
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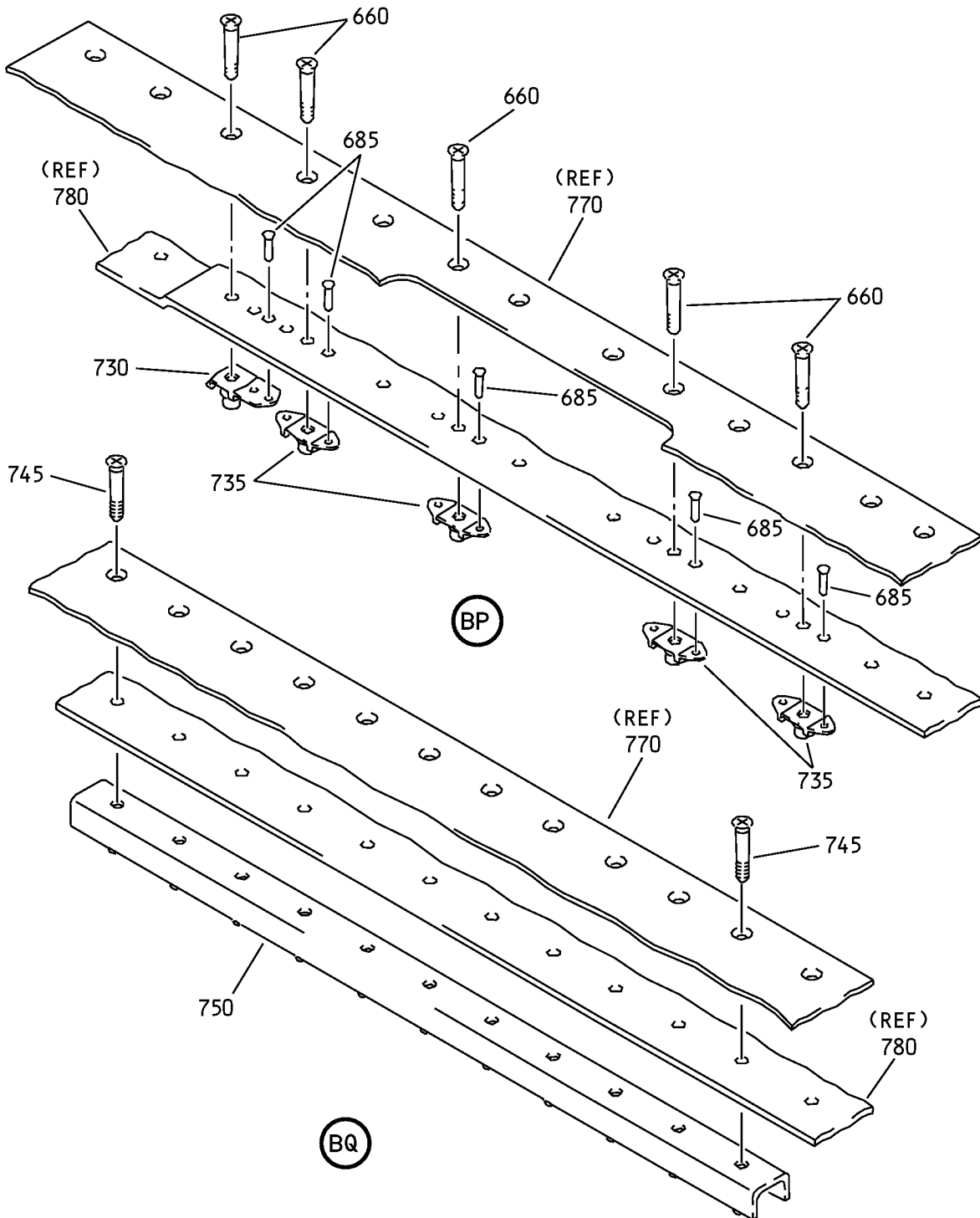
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Inboard Flap - Aft Flap Assembly  
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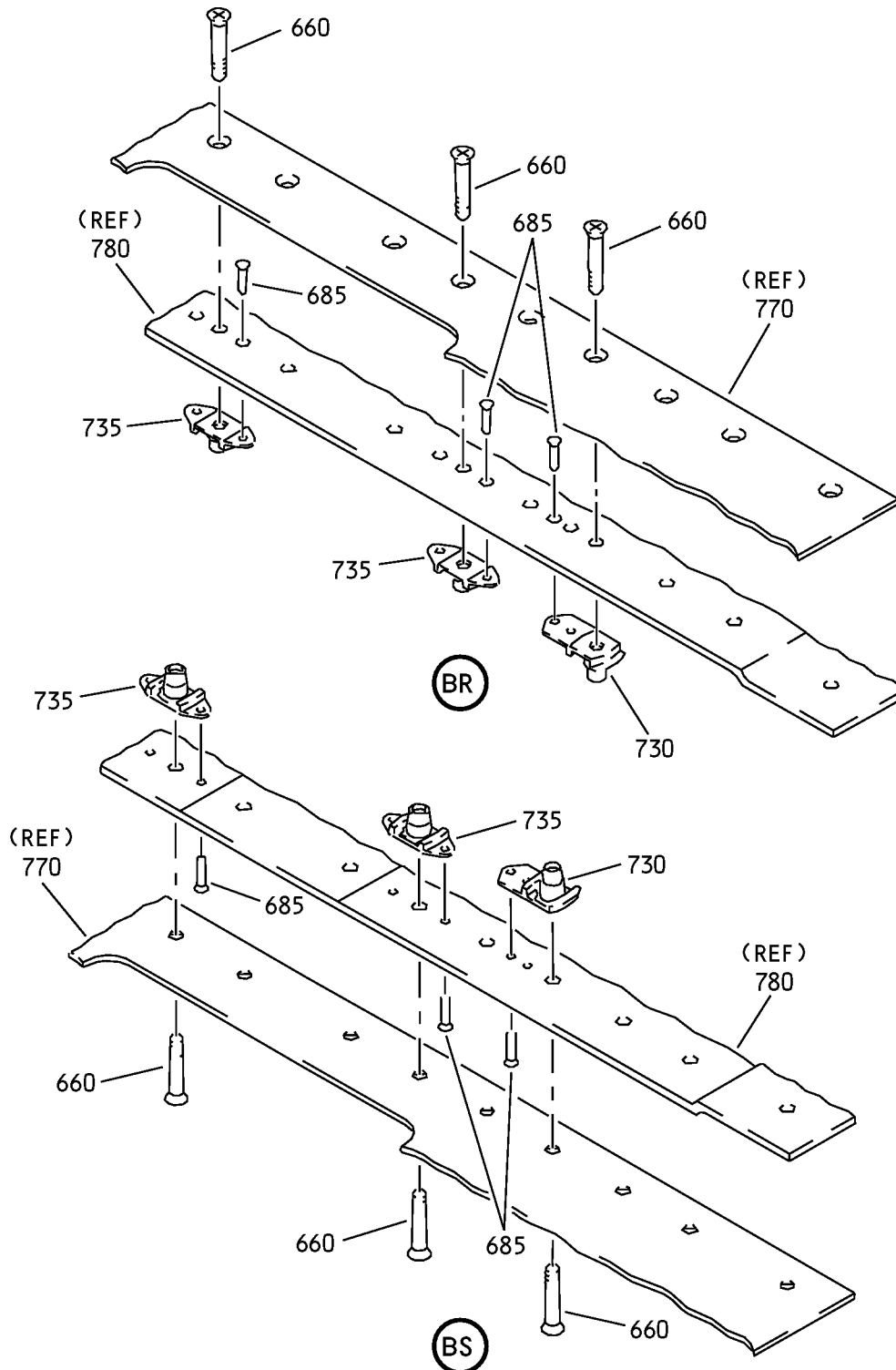
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Inboard Flap - Aft Flap Assembly  
IPL Figure 1 (Sheet 18 of 21)

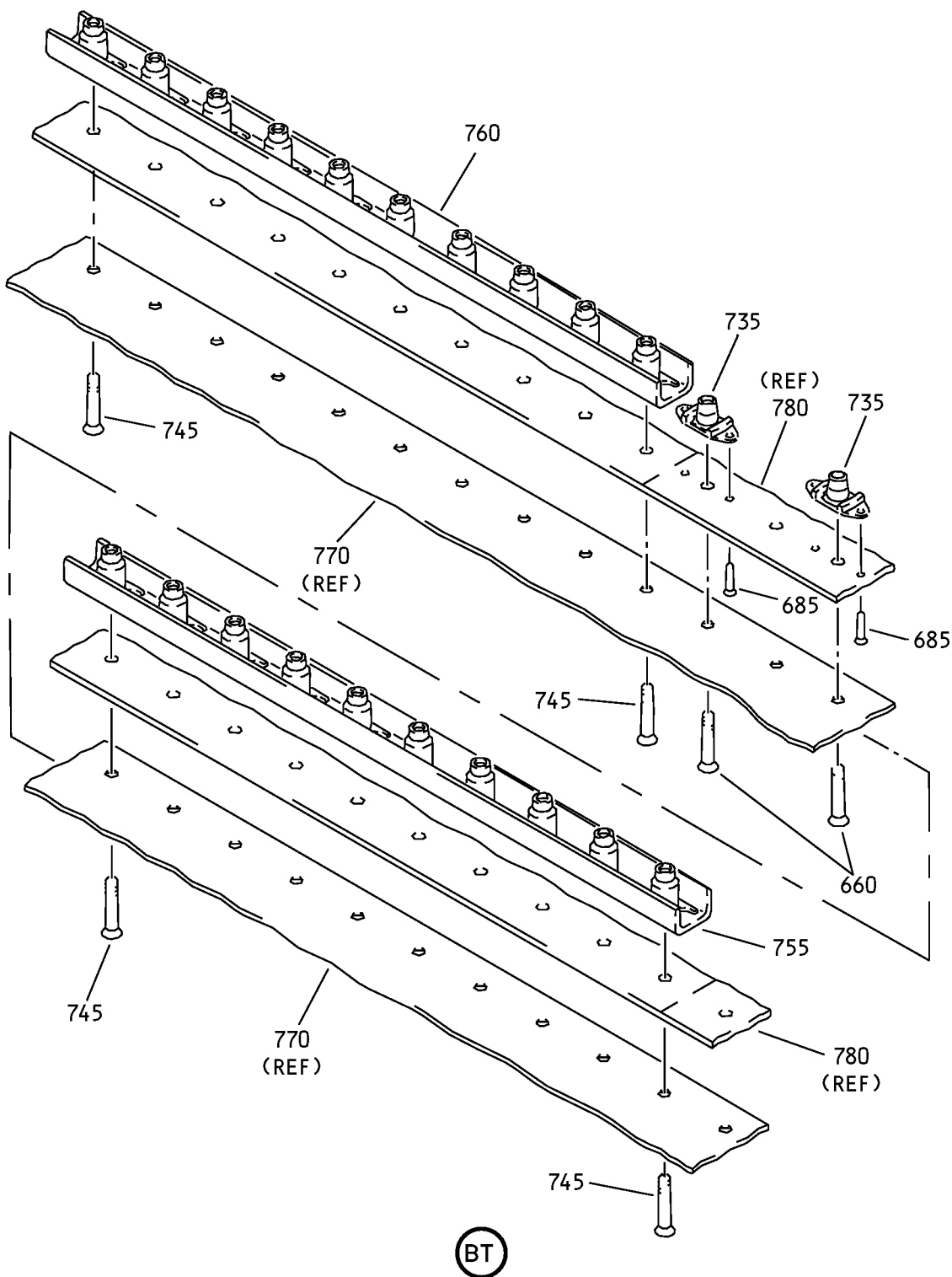
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Inboard Flap - Aft Flap Assembly  
IPL Figure 1 (Sheet 19 of 21)

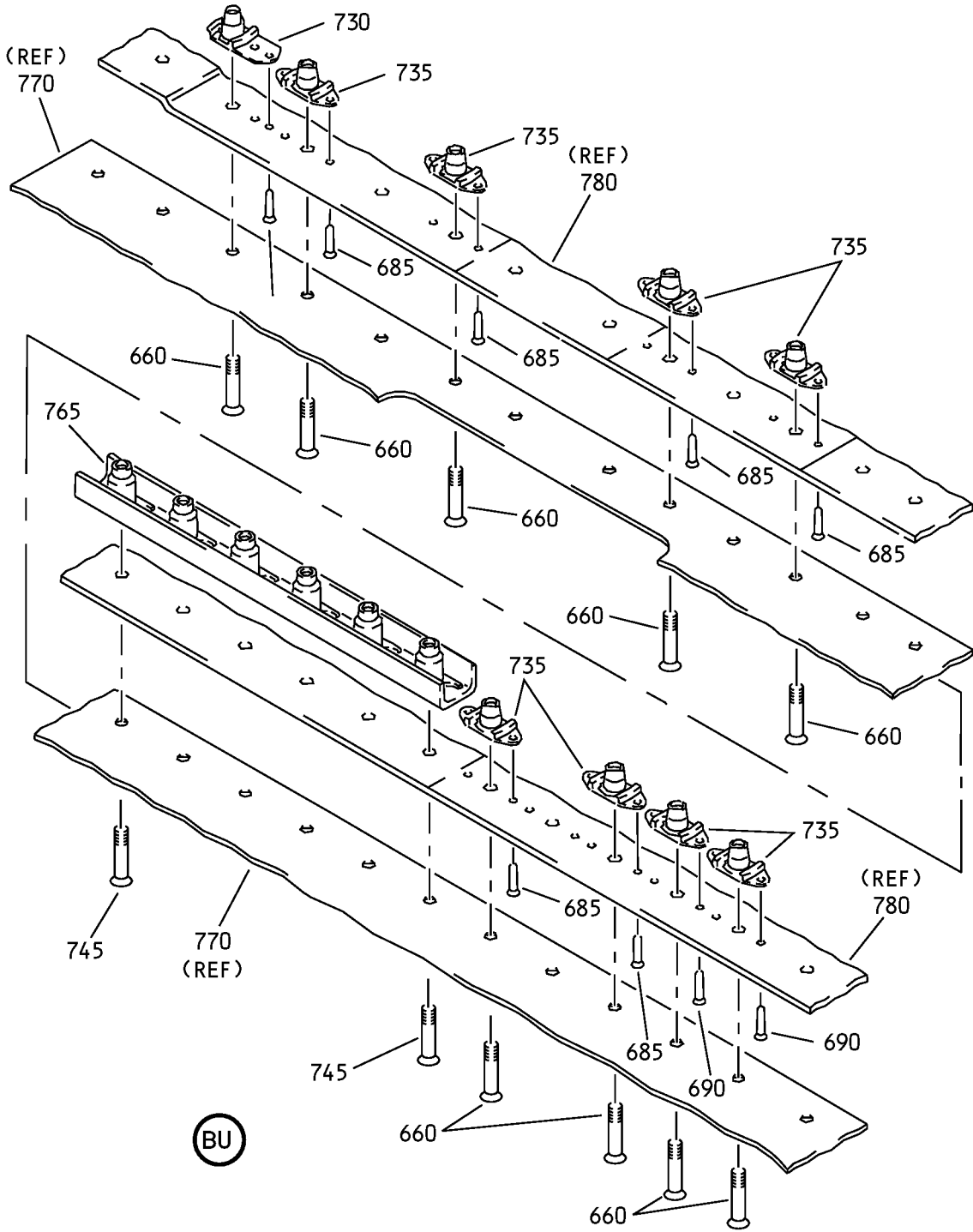
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IPL Figure 1 (Sheet 20 of 21)

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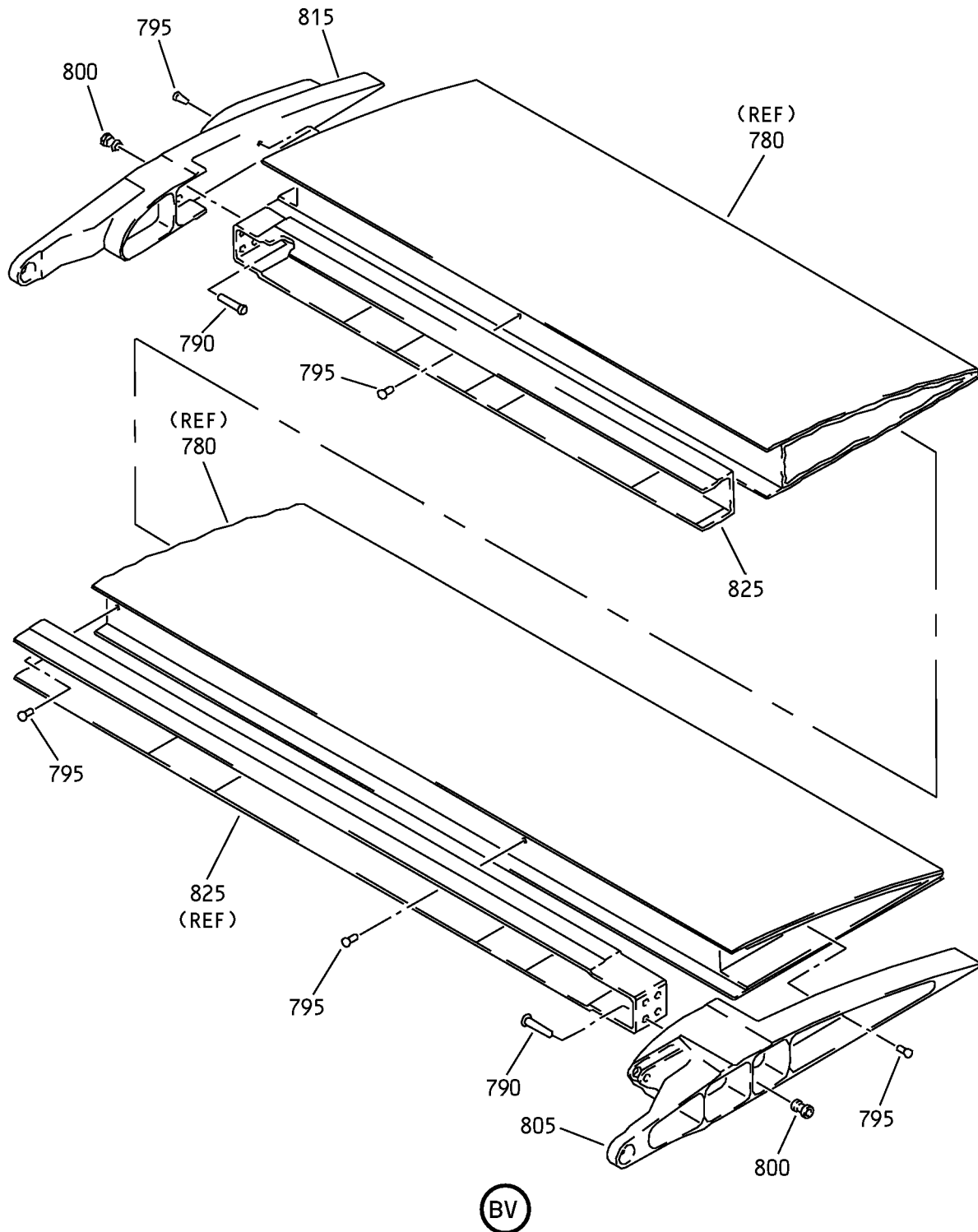
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| FIG/<br>ITEM | PART NUMBER     | AIRLINE<br>PART<br>NUMBER | NOMENCLATURE |                            |   |   |   |   |   | USAGE<br>CODE | UNITS<br>PER<br>ASSY |
|--------------|-----------------|---------------------------|--------------|----------------------------|---|---|---|---|---|---------------|----------------------|
|              |                 |                           | 1            | 2                          | 3 | 4 | 5 | 6 | 7 |               |                      |
| 1-           |                 |                           |              |                            |   |   |   |   |   |               |                      |
| 30           | HST11AG6-15     |                           | .            | BOLT                       |   |   |   |   |   | A-D           | 2                    |
|              |                 |                           |              | (V56878)                   |   |   |   |   |   |               |                      |
|              |                 |                           |              | (SPEC BACB30VU6K15)        |   |   |   |   |   |               |                      |
|              |                 |                           |              | (OPT HST11AG6-15 (V0PTK6)) |   |   |   |   |   |               |                      |
|              |                 |                           |              | (OPT HST11AG6-15 (V73197)) |   |   |   |   |   |               |                      |
|              |                 |                           |              | (OPT HST11AG6-15 (V06725)) |   |   |   |   |   |               |                      |
| -30A         | WC331K6-15      |                           | .            | BOLT                       |   |   |   |   |   | E-M           | 2                    |
|              |                 |                           |              | (V60516)                   |   |   |   |   |   |               |                      |
|              |                 |                           |              | (SPEC BACB30YP6K15)        |   |   |   |   |   |               |                      |
| 35           | NAS1149C0363R   |                           | .            | WASHER                     |   |   |   |   |   |               | 2                    |
| 40           | BACN10YT3CSA    |                           | .            | NUT                        |   |   |   |   |   |               | 2                    |
| 45           | 113A2702-1      |                           | .            | RETAINER-ECCENTRIC         |   |   |   |   |   |               | 2                    |
| 50           | 113A2653-19     |                           | .            | BUSHING                    |   |   |   |   |   |               | 2                    |
| 55           | 113A2701-3      |                           | .            | BUSHING-ECCENTRIC          |   |   |   |   |   |               | 2                    |
| 60           | 113N3325-2      |                           | .            | BUSHING                    |   |   |   |   |   |               | 2                    |
| 65           | CC67859         |                           | .            | FOLLOWER-CAM               |   |   |   |   |   |               | 2                    |
|              |                 |                           |              | (V60380)                   |   |   |   |   |   |               |                      |
|              |                 |                           |              | (SPEC 60B00178-668)        |   |   |   |   |   |               |                      |
|              |                 |                           |              | (OPT CF2975 (V92563))      |   |   |   |   |   |               |                      |
| -65A         | CF2975          |                           | .            | FOLLOWER-CAM               |   |   |   |   |   |               | 2                    |
|              |                 |                           |              | (V92563)                   |   |   |   |   |   |               |                      |
|              |                 |                           |              | (SPEC 60B00178-668)        |   |   |   |   |   |               |                      |
|              |                 |                           |              | (OPT CC67859 (V60380))     |   |   |   |   |   |               |                      |
| 70           | 113A2704-1      |                           | .            | BLOCK-RUB                  |   |   |   |   |   |               | 2                    |
| 75           | 113A2653-15     |                           | .            | BUSHING                    |   |   |   |   |   |               | 1                    |
| 80           | BACB28AT06B014C |                           | .            | BUSHING                    |   |   |   |   |   |               | 1                    |
| 85           | BACB30VF3K5     |                           | .            | BOLT                       |   |   |   |   |   |               | 2                    |
| 90           | BACR15GE3CW4    |                           | .            | RIVET                      |   |   |   |   |   | A-K           | 4                    |
| -90A         | BACR15GE3CW4    |                           | .            | RIVET                      |   |   |   |   |   | L, M          | 4                    |
|              |                 |                           |              | (OPT ITEM 090B)            |   |   |   |   |   |               |                      |
| -90B         | NAS1399CW3A4    |                           | .            | RIVET                      |   |   |   |   |   | L, M          | 4                    |
|              |                 |                           |              | (OPT ITEM 090B)            |   |   |   |   |   |               |                      |
| 95           | MF51594-3-3BAC  |                           | .            | NUTPLATE                   |   |   |   |   |   |               | 2                    |
|              |                 |                           |              | (V15653)                   |   |   |   |   |   |               |                      |
|              |                 |                           |              | (SPEC BACN10YF33CD)        |   |   |   |   |   |               |                      |
| 100          | BACB30VF3K5     |                           | .            | BOLT                       |   |   |   |   |   |               | 7                    |
| 105          | BACB30VF3K4     |                           | .            | BOLT                       |   |   |   |   |   |               | 6                    |

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| FIG/<br>ITEM | PART NUMBER    | AIRLINE<br>PART<br>NUMBER | NOMENCLATURE |  |   |   |   |   |                     | USAGE<br>CODE | UNITS<br>PER<br>ASSY |
|--------------|----------------|---------------------------|--------------|--|---|---|---|---|---------------------|---------------|----------------------|
|              |                |                           | 1            | 2  | 3 | 4 | 5 | 6 | 7                   |               |                      |
| 1-           |                |                           |              |  |   |   |   |   |                     |               |                      |
| 110          | K29913-3       |                           | .            | WASHER   |   |   |   |   |                     |               | 2                    |
|              |                |                           |              | (V15653)   |   |   |   |   |                     |               |                      |
|              |                |                           |              | (SPEC BACW10CA3CC)   |   |   |   |   |                     |               |                      |
|              |                |                           |              | (OPT 70191-3 (V56878))   |   |   |   |   |                     |               |                      |
|              |                |                           |              | (OPT 922008-3 (V60119))  |   |   |   |   |                     |               |                      |
|              |                |                           |              | (OPT 942008-3 (V60119))  |   |   |   |   |                     |               |                      |
| 115          | K29646-3       |                           | .            | WASHER   |   |   |   |   |                     |               | 2                    |
|              |                |                           |              | (V15653)   |   |   |   |   |                     |               |                      |
|              |                |                           |              | (SPEC BACW10CA3CV)   |   |   |   |   |                     |               |                      |
|              |                |                           |              | (OPT 70188-3 (V56878))   |   |   |   |   |                     |               |                      |
|              |                |                           |              | (OPT 922007-3 (V60119))  |   |   |   |   |                     |               |                      |
|              |                |                           |              | (OPT 942007-3 (V60119))  |   |   |   |   |                     |               |                      |
| 120          | NAS1149D0363J  |                           | .            | WASHER   |   |   |   |   |                     |               | 11                   |
| 125          | H52732-3CD     |                           | .            | NUT  |   |   |   |   |                     |               | 13                   |
|              |                |                           |              | (V15653)   |   |   |   |   |                     |               |                      |
|              |                |                           |              | (SPEC BACN10YR3CD)   |   |   |   |   |                     |               |                      |
|              |                |                           |              | (OPT PLH53CD (V62554))   |   |   |   |   |                     |               |                      |
| 130          | 113A2742-1     |                           | .            | RETAINER-SEAL  |   |   |   |   |                     |               | 1                    |
| 135          | 113A2742-3     |                           | .            | RETAINER-SEAL  |   |   |   |   |                     |               | 1                    |
| 140          | 113A2742-5     |                           | .            | RETAINER-SEAL  |   |   |   |   |                     |               | 1                    |
| 145          | 113A2742-7     |                           | .            | RETAINER-SEAL  |   |   |   |   | A, B, E,<br>G, J, L |               | 1                    |
| -150         | 113A2742-8     |                           | .            | RETAINER-SEAL  |   |   |   |   | C, D, F,<br>H, K, M |               | 1                    |
| 155          | 113A2700-9     |                           | .            | SEAL-AERO  |   |   |   |   | A, B, E,<br>G, J, L |               | 1                    |
|              |                |                           |              | (MAKE FROM SECTION RUBBER<br>FABRIC COVERED, MAKE FROM<br>BAC1530-16 X 18.9)       |   |   |   |   |                     |               |                      |
| -160         | 113A2700-10    |                           | .            | SEAL-AERO  |   |   |   |   | C, D, F,<br>H, K, M |               | 1                    |
|              |                |                           |              | (MAKE FROM SECTION RUBBER<br>FABRIC COVERED, MAKE FROM<br>BAC1530-16 X AS REQUIRE) |   |   |   |   |                     |               |                      |
| 165          | BACB30VF3K5    |                           | .            | BOLT   |   |   |   |   |                     |               | 12                   |
| 170          | BACR15BA3AD4C  |                           | .            | RIVET  |   |   |   |   |                     |               | 24                   |
| 175          | MF51594-3-3BAC |                           | .            | NUTPLATE   |   |   |   |   |                     |               | 12                   |
|              |                |                           |              | (V15653)   |   |   |   |   |                     |               |                      |
|              |                |                           |              | (SPEC BACN10YF33CD)  |   |   |   |   |                     |               |                      |
| 180          | 113A2742-13    |                           | .            | RETAINER-SEAL  |   |   |   |   |                     |               | 4                    |

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| FIG/<br>ITEM | PART NUMBER    | AIRLINE<br>PART<br>NUMBER | NOMENCLATURE |   |   |   |   |   |                     | USAGE<br>CODE | UNITS<br>PER<br>ASSY |
|--------------|----------------|---------------------------|--------------|---|---|---|---|---|---------------------|---------------|----------------------|
|              |                |                           | 1            | 2   | 3 | 4 | 5 | 6 | 7                   |               |                      |
| 1-           |                |                           |              |   |   |   |   |   |                     |               |                      |
| 185          | 113A2700-4     |                           | .            | SEAL-AERO<br>(MAKE FROM EXTRUSION RUBBER<br>10-60754-32 4.4 L)  |   |   |   |   |                     |               | 2                    |
| 190          | 113A2700-3     |                           | .            | SEAL-AERO<br>(MAKE FROM EXTRUSION RUBBER<br>10-60754-32 4.4 L)  |   |   |   |   |                     |               | 2                    |
| 195          | BACB30VF3K5    |                           | .            | BOLT  |   |   |   |   |                     |               | 24                   |
| 200          | BACB30VF3K6    |                           | .            | BOLT  |   |   |   |   |                     |               | 8                    |
| 205          | BACR15GF5D7    |                           | .            | RIVET   |   |   |   |   |                     |               | 8                    |
| 210          | BACR15CE6AD    |                           | .            | RIVET<br>(SIZE DETERMINED ON INST)  |   |   |   |   |                     |               | 4                    |
| 215          | BACR15FT6AD    |                           | .            | RIVET<br>(SIZE DETERMINED ON INST)  |   |   |   |   |                     |               | 4                    |
| 220          | BACR15GE3CW4   |                           | .            | RIVET   |   |   |   |   | A-K                 |               | 64                   |
| -220A        | BACR15GE3CW4   |                           | .            | RIVET<br>(OPT ITEM 220B)  |   |   |   |   | L, M                |               | 64                   |
| -220B        | NAS1399CW3A4   |                           | .            | RIVET<br>(OPT ITEM 220B)  |   |   |   |   | L, M                |               | 64                   |
| 225          | 102F9209M3     |                           | .            | NUTPLATE<br>(V72962)<br>(SPEC BACN10KH3CD)<br>(OPT FS1651-3 (V15653))<br>(OPT NS202496-02 (V80539))                                       |   |   |   |   |                     |               | 12                   |
| 230          | NS202493-02-3  |                           | .            | NUTPLATE<br>(V80539)<br>(SPEC BACN10KE3B3CD)<br>(OPT 102A9213-3-3 (V72962))<br>(OPT F51747-3-3CD (V15653))<br>(OPT BRFR220C3-3D (V52828)) |   |   |   |   |                     |               | 12                   |
| 235          | NS202494-02-4  |                           | .            | NUTPLATE<br>(V80539)<br>(SPEC BACN10KE3E4CD)<br>(OPT 102F9216-4-3 (V72962))<br>(OPT F51751-3-4CD (V15653))<br>(OPT BRFR120C3-4D (V52828)) |   |   |   |   |                     |               | 4                    |
| 240          | MF51594-3-3BAC |                           | .            | NUTPLATE<br>(V15653)<br>(SPEC BACN10YF33CD)   |   |   |   |   |                     |               | 4                    |
| 245          | 113A2736-3     |                           | .            | RIB-LE CLOSURE  |   |   |   |   | A, B, E,<br>G, J, L |               | 1                    |

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| FIG/<br>ITEM | PART NUMBER     | AIRLINE<br>PART<br>NUMBER | NOMENCLATURE |          |                             |   |   |   |   | USAGE<br>CODE       | UNITS<br>PER<br>ASSY |
|--------------|-----------------|---------------------------|--------------|----------|-----------------------------|---|---|---|---|---------------------|----------------------|
|              |                 |                           | 1            | 2        | 3                           | 4 | 5 | 6 | 7 |                     |                      |
| 1-           |                 |                           |              |          |                             |   |   |   |   |                     |                      |
| -250         | 113A2736-4      |                           | .            | RIB-LE   | CLOSURE                     |   |   |   |   | C, D, F,<br>H, K, M | 1                    |
| 255          | 113A2736-1      |                           | .            | RIB-LE   | CLOSURE                     |   |   |   |   | A, B, E,<br>G, J, L | 1                    |
| -260         | 113A2736-2      |                           | .            | RIB-LE   | CLOSURE                     |   |   |   |   | C, D, F,<br>H, K, M | 1                    |
| 265          | 113A2735-3      |                           | .            | RIB-LE   | CLOSURE                     |   |   |   |   | A, B, E,<br>G, J, L | 1                    |
| -270         | 113A2735-4      |                           | .            | RIB-LE   | CLOSURE                     |   |   |   |   | C, D, F,<br>H, K, M | 1                    |
| 275          | 113A2735-1      |                           | .            | RIB-LE   | CLOSURE                     |   |   |   |   | A, B, E,<br>G, J, L | 1                    |
| -280         | 113A2735-2      |                           | .            | RIB-LE   | CLOSURE                     |   |   |   |   | C, D, F,<br>H, K, M | 1                    |
| 285          | NAS1195DD3KH    |                           | .            | SHIM     |                             |   |   |   |   |                     | 12                   |
| 290          | BACS40R009C015F |                           | .            | SHIM     |                             |   |   |   |   |                     | 8                    |
| 295          | BACB30VF3K5     |                           | .            | BOLT     |                             |   |   |   |   | A, C                | 10                   |
| 300          | BACB30VF3K6     |                           | .            | BOLT     |                             |   |   |   |   | A, C                | 4                    |
| 305          | BACR15GF5D7     |                           | .            | RIVET    |                             |   |   |   |   | A, C                | 2                    |
| 310          | BACR15GF5D8     |                           | .            | RIVET    |                             |   |   |   |   | A, C                | 2                    |
| 315          | BACR15FT6AD     |                           | .            | RIVET    |                             |   |   |   |   | A, C                | 4                    |
|              |                 |                           |              |          | (SIZE DETERMINED ON INST)   |   |   |   |   |                     |                      |
| 320          | BACR15GE3CW4    |                           | .            | RIVET    |                             |   |   |   |   | A, C                | 28                   |
| 325          | MF51594-3-3BAC  |                           | .            | NUTPLATE |                             |   |   |   |   | A, C                | 8                    |
|              |                 |                           |              |          | (V15653)                    |   |   |   |   |                     |                      |
|              |                 |                           |              |          | (SPEC BACN10YF33CD)         |   |   |   |   |                     |                      |
| 330          | NS202493-02-3   |                           | .            | NUTPLATE |                             |   |   |   |   | A, C                | 4                    |
|              |                 |                           |              |          | (V80539)                    |   |   |   |   |                     |                      |
|              |                 |                           |              |          | (SPEC BACN10KE3B3CD)        |   |   |   |   |                     |                      |
|              |                 |                           |              |          | (OPT 102A9213-3-3 (V72962)) |   |   |   |   |                     |                      |
|              |                 |                           |              |          | (OPT F51747-3-3CD (V15653)) |   |   |   |   |                     |                      |
|              |                 |                           |              |          | (OPT BRFR220C3-3D (V52828)) |   |   |   |   |                     |                      |
| 335          | NS202494-02-4   |                           | .            | NUTPLATE |                             |   |   |   |   | A, C                | 2                    |
|              |                 |                           |              |          | (V80539)                    |   |   |   |   |                     |                      |
|              |                 |                           |              |          | (SPEC BACN10KE3E4CD)        |   |   |   |   |                     |                      |
|              |                 |                           |              |          | (OPT 102F9216-4-3 (V72962)) |   |   |   |   |                     |                      |
|              |                 |                           |              |          | (OPT F51751-3-4CD (V15653)) |   |   |   |   |                     |                      |
|              |                 |                           |              |          | (OPT BRFR120C3-4D (V52828)) |   |   |   |   |                     |                      |

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| FIG/<br>ITEM | PART NUMBER     | AIRLINE<br>PART<br>NUMBER | NOMENCLATURE |                             |            |   |   |   |   | USAGE<br>CODE | UNITS<br>PER<br>ASSY |
|--------------|-----------------|---------------------------|--------------|-----------------------------|------------|---|---|---|---|---------------|----------------------|
|              |                 |                           | 1            | 2                           | 3          | 4 | 5 | 6 | 7 |               |                      |
| 1-           |                 |                           |              |                             |            |   |   |   |   |               |                      |
| 340          | 113A2737-3      |                           | .            | RIB-LE                      | STIFFENING |   |   |   |   | A             | 1                    |
| -345         | 113A2737-4      |                           | .            | RIB-LE                      | STIFFENING |   |   |   |   | C             | 1                    |
| 350          | 113A2737-1      |                           | .            | RIB-LE                      | STIFFENING |   |   |   |   | A             | 1                    |
| -355         | 113A2737-2      |                           | .            | RIB-LE                      | STIFFENING |   |   |   |   | C             | 1                    |
| 360          | BACS40R009C015F |                           | .            | SHIM                        |            |   |   |   |   | A, C          | 4                    |
| 365          | BACB30VF3K6     |                           | .            | BOLT                        |            |   |   |   |   | B, D-M        | 4                    |
| 370          | BACR15BA3AD4C   |                           | .            | RIVET                       |            |   |   |   |   | B, D-M        | 4                    |
| 375          | BACR15BA3AD5C   |                           | .            | RIVET                       |            |   |   |   |   | B, D-M        | 4                    |
| 380          | NS202493-02-4   |                           | .            | NUTPLATE                    |            |   |   |   |   | B, D-M        | 4                    |
|              |                 |                           |              | (V80539)                    |            |   |   |   |   |               |                      |
|              |                 |                           |              | (SPEC BACN10KE3B4CD)        |            |   |   |   |   |               |                      |
|              |                 |                           |              | (OPT BRFR220C3-4D (V52828)) |            |   |   |   |   |               |                      |
|              |                 |                           |              | (OPT F51747-3-4CD (V15653)) |            |   |   |   |   |               |                      |
|              |                 |                           |              | (OPT 102A9213-4-3 (V72962)) |            |   |   |   |   |               |                      |
| 385          | BACB30VF3K5     |                           | .            | BOLT                        |            |   |   |   |   |               | 12                   |
| 390          | BACB30VF3K6     |                           | .            | BOLT                        |            |   |   |   |   |               | 4                    |
| 395          | BACR15GF5D8     |                           | .            | RIVET                       |            |   |   |   |   |               | 4                    |
| 400          | BACR15FT6AD     |                           | .            | RIVET                       |            |   |   |   |   |               | 1                    |
|              |                 |                           |              | (SIZE DETERMINED ON INST)   |            |   |   |   |   |               |                      |
| 405          | BACR15GE3CW4    |                           | .            | RIVET                       |            |   |   |   |   | A-K           | 32                   |
| -405A        | BACR15GE3CW4    |                           | .            | RIVET                       |            |   |   |   |   | L, M          | 32                   |
|              |                 |                           |              | (OPT ITEM 405B)             |            |   |   |   |   |               |                      |
| -405B        | NAS1399CW3A4    |                           | .            | RIVET                       |            |   |   |   |   | L, M          | 32                   |
|              |                 |                           |              | (OPT ITEM 405A)             |            |   |   |   |   |               |                      |
| 410          | 102F9209M3      |                           | .            | NUTPLATE                    |            |   |   |   |   |               | 6                    |
|              |                 |                           |              | (V72962)                    |            |   |   |   |   |               |                      |
|              |                 |                           |              | (SPEC BACN10KH3CD)          |            |   |   |   |   |               |                      |
|              |                 |                           |              | (OPT FS1651-3 (V15653))     |            |   |   |   |   |               |                      |
|              |                 |                           |              | (OPT NS202496-02 (V80539))  |            |   |   |   |   |               |                      |
| 415          | NS202493-02-2   |                           | .            | NUTPLATE                    |            |   |   |   |   |               | 6                    |
|              |                 |                           |              | (V80539)                    |            |   |   |   |   |               |                      |
|              |                 |                           |              | (SPEC BACN10KE3B2CD)        |            |   |   |   |   |               |                      |
|              |                 |                           |              | (OPT BRFR220C3-2D (V52828)) |            |   |   |   |   |               |                      |
|              |                 |                           |              | (OPT F51747-3-2CD (V15653)) |            |   |   |   |   |               |                      |
|              |                 |                           |              | (OPT 102A9213-2-3 (V72962)) |            |   |   |   |   |               |                      |
|              |                 |                           |              | (OPT ITEM 415A)             |            |   |   |   |   |               |                      |
| -415A        | BACN11G3A2CD    |                           | .            | NUTPLATE                    |            |   |   |   |   |               | 6                    |
|              |                 |                           |              | (OPT ITEM 415)              |            |   |   |   |   |               |                      |

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| FIG/<br>ITEM | PART NUMBER     | AIRLINE<br>PART<br>NUMBER | NOMENCLATURE |  |   |   |   |   |                     | USAGE<br>CODE | UNITS<br>PER<br>ASSY |
|--------------|-----------------|---------------------------|--------------|--|---|---|---|---|---------------------|---------------|----------------------|
|              |                 |                           | 1            | 2  | 3 | 4 | 5 | 6 | 7                   |               |                      |
| 1-<br>420    | F51751-3-3CD    |                           | .            | NUTPLATE<br>(V15653)<br>(SPEC BACN10KE3E3CD)<br>(OPT 102F9216-3-3 (V72960))<br>(OPT BRFR120C3-3D (V52828))<br>(OPT NS202494-02-3 (V80539))                   |   |   |   |   |                     |               | 2                    |
| 425          | MF51594-3-3BAC  |                           | .            | NUTPLATE<br>(V15653)<br>(SPEC BACN10YF33CD)  |   |   |   |   |                     |               | 2                    |
| 430          | 113A2722-1      |                           | .            | FITTING ASSY-INBD PUSHROD  |   |   |   |   | A, B, E,<br>G, J, L |               | 1                    |
| -435         | 113A2722-2      |                           | .            | FITTING ASSY-INBD PUSHROD  |   |   |   |   | C, D, F,<br>H, K, M |               | 1                    |
| 440          | 113A2653-15     |                           | .            | BUSHING-TAPERED  |   |   |   |   |                     |               | 1                    |
| 445          | BACB28AT06B014C |                           | .            | BUSHING  |   |   |   |   |                     |               | 1                    |
| 450          | 113A2722-3      |                           | .            | FITTING  |   |   |   |   | A, B, E,<br>G, J    |               | 1                    |
| -455         | 113A2722-4      |                           | .            | FITTING  |   |   |   |   | C, D, F,<br>H, K    |               | 1                    |
| 460          | NAS1195DD3KH    |                           | .            | SHIM   |   |   |   |   |                     |               | 6                    |
| 465          | BACF3T03C15-18  |                           | .            | FILLER   |   |   |   |   |                     |               | 2                    |
| 470          | BACS40R015C018F |                           | .            | SHIM   |   |   |   |   |                     |               | 2                    |
| 475          | BACB30VF3K6     |                           | .            | BOLT   |   |   |   |   |                     |               | 8                    |
| 480          | BACR15GF5D8     |                           | .            | RIVET  |   |   |   |   |                     |               | 8                    |
| 485          | BACR15GE3CW2    |                           | .            | RIVET  |   |   |   |   | A-K                 |               | 16                   |
| -485A        | BACR15GE3CW2    |                           | .            | RIVET<br>(OPT ITEM 485B)   |   |   |   |   | L, M                |               | 16                   |
| -485B        | NAS1399CW3A2    |                           | .            | RIVET<br>(OPT ITEM 485A)   |   |   |   |   | L, M                |               | 16                   |
| 490          | NS202493-02-2   |                           | .            | NUTPLATE<br>(V80539)<br>(SPEC BACN10KE3B2CD)<br>(OPT BRFR220C3-2D (V52828))<br>(OPT F51747-3-2CD (V15653))<br>(OPT 102A9213-2-3 (V72962))<br>(OPT ITEM 490A) |   |   |   |   |                     |               | 8                    |
| -490A        | BACN11G3A2CD    |                           | .            | NUTPLATE<br>(OPT ITEM 490)   |   |   |   |   |                     |               | 8                    |

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| FIG/<br>ITEM | PART NUMBER     | AIRLINE<br>PART<br>NUMBER | NOMENCLATURE |   |   |   |   |   |   | USAGE<br>CODE   | UNITS<br>PER<br>ASSY |    |
|--------------|-----------------|---------------------------|--------------|---|---|---|---|---|---|---|----------------------|----|
|              |                 |                           | 1            | 2 | 3 | 4 | 5 | 6 | 7 |   |                      |    |
| 1-           |                 |                           |              |   |   |   |   |   |   |   |                      |    |
| 495          | 113A2726-1      |                           | .            |   |   |   |   |   |   | FITTING ASSY-OUTBD SPRT TRACK                               | A, B, E,<br>G, J, L  | 1  |
| -500         | 113A2726-2      |                           | .            |   |   |   |   |   |   | FITTING ASSY-OUTBD SPRT TRACK                               | C, D, F,<br>H, K, M  | 1  |
| 505          | 113A2725-1      |                           | .            |   |   |   |   |   |   | FITTING ASSY-INBD SPRT TRACK                                | A, B, E,<br>G, J, L  | 1  |
| -510         | 113A2725-2      |                           | .            |   |   |   |   |   |   | FITTING ASSY-INBD SPRT TRACK                                | C, D, F,<br>H, K, M  | 1  |
| 515          | BACB28AP05P014  |                           | .            | . |   |   |   |   |   | BUSHING   | A-K                  | 1  |
| 520          | BACB28AT07B014C |                           | .            | . |   |   |   |   |   | BUSHING   | A-K                  | 1  |
| 525          | 113A2726-3      |                           | .            | . |   |   |   |   |   | FITTING<br>(USED ON ITEM 495)                               | A, B, E,<br>G, J     | 1  |
| -530         | 113A2726-4      |                           | .            | . |   |   |   |   |   | FITTING<br>(USED ON ITEM 500)                               | C, D, F,<br>H, K     | 1  |
| 535          | 113A2725-3      |                           | .            | . |   |   |   |   |   | FITTING<br>(USED ON ITEM 505)                               | A, B, E,<br>G, J     | 1  |
| -540         | 113A2725-4      |                           | .            | . |   |   |   |   |   | FITTING<br>(USED ON ITEM 510)                               | C, D, F,<br>H, K     | 1  |
| 545          | BACS40R015C030F |                           | .            |   |   |   |   |   |   | SHIM  |                      | 4  |
| 550          | 113A2700-5      |                           | .            |   |   |   |   |   |   | SEAL-AERO<br>(MAKE FROM EXTR RUBBER<br>10-60754-718 11.0 L) | A-H                  | 1  |
| 552          | 113A3172-30     |                           | .            |   |   |   |   |   |   | SEAL ASSY   | J-M                  | 1  |
| 553          | 113A3172-31     |                           | .            | . |   |   |   |   |   | SEAL  | J-M                  | 1  |
| 554          | 113A3172-32     |                           | .            | . |   |   |   |   |   | PLUG  | J-M                  | 1  |
| 555          | CR3252-5-3      |                           | .            |   |   |   |   |   |   | RIVET<br>(V92215)<br>(SPEC BACR15FP5E3)                     |                      | 14 |
| 560          | 113A2732-1      |                           | .            |   |   |   |   |   |   | CHORD-REDUCED   | A, B, E,<br>G, J, L  | 1  |
| -565         | 113A2732-2      |                           | .            |   |   |   |   |   |   | CHORD-REDUCED   | C, D, F,<br>H, K, M  | 1  |
| 570          | BACB30VF3K5     |                           | .            |   |   |   |   |   |   | BOLT  |                      | 2  |
| 575          | BACR15GE3CW4    |                           | .            |   |   |   |   |   |   | RIVET   | A-K                  | 4  |
| -575A        | BACR15GE3CW4    |                           | .            |   |   |   |   |   |   | RIVET<br>(OPT ITEM 575B)                                    | L, M                 | 4  |

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| FIG/<br>ITEM | PART NUMBER    | AIRLINE<br>PART<br>NUMBER | NOMENCLATURE |   |   |   |   |   |   | USAGE<br>CODE       | UNITS<br>PER<br>ASSY |
|--------------|----------------|---------------------------|--------------|---|---|---|---|---|---|---------------------|----------------------|
|              |                |                           | 1            | 2   | 3 | 4 | 5 | 6 | 7 |                     |                      |
| 1-           |                |                           |              |   |   |   |   |   |   |                     |                      |
| -575B        | NAS1399CW3A2   |                           | .            | RIVET   |   |   |   |   |   | L, M                | 4                    |
|              |                |                           |              | (OPT ITEM 575A)   |   |   |   |   |   |                     |                      |
| 580          | MF51594-3-2BAC |                           | .            | NUTPLATE  |   |   |   |   |   |                     | 1                    |
|              |                |                           |              | (V15653)  |   |   |   |   |   |                     |                      |
|              |                |                           |              | (SPEC BACN10YF32CD)   |   |   |   |   |   |                     |                      |
| 585          | MF51594-3-3BAC |                           | .            | NUTPLATE  |   |   |   |   |   |                     | 1                    |
|              |                |                           |              | (V15653)  |   |   |   |   |   |                     |                      |
|              |                |                           |              | (SPEC BACN10YF33CD)   |   |   |   |   |   |                     |                      |
| 590          | BACB30VF3K5    |                           | .            | BOLT  |   |   |   |   |   |                     | 7                    |
| 595          | K29913-3       |                           | .            | WASHER  |   |   |   |   |   |                     | 2                    |
|              |                |                           |              | (V15653)  |   |   |   |   |   |                     |                      |
|              |                |                           |              | (SPEC BACW10CA3CC)  |   |   |   |   |   |                     |                      |
|              |                |                           |              | (OPT 70191-3 (V56878))  |   |   |   |   |   |                     |                      |
|              |                |                           |              | (OPT 922008-3 (V60119))   |   |   |   |   |   |                     |                      |
|              |                |                           |              | (OPT 942008-3 (V60119))   |   |   |   |   |   |                     |                      |
| 600          | K29646-3       |                           | .            | WASHER  |   |   |   |   |   |                     | 2                    |
|              |                |                           |              | (V15653)  |   |   |   |   |   |                     |                      |
|              |                |                           |              | (SPEC BACW10CA3CV)  |   |   |   |   |   |                     |                      |
|              |                |                           |              | (OPT 70188-3 (V56878))  |   |   |   |   |   |                     |                      |
|              |                |                           |              | (OPT 922007-3 (V60119))   |   |   |   |   |   |                     |                      |
|              |                |                           |              | (OPT 942007-3 (V60119))   |   |   |   |   |   |                     |                      |
| 605          | NAS1149D0363J  |                           | .            | WASHER  |   |   |   |   |   |                     | 5                    |
| 610          | H52732-3CD     |                           | .            | NUT   |   |   |   |   |   |                     | 7                    |
|              |                |                           |              | (V15653)  |   |   |   |   |   |                     |                      |
|              |                |                           |              | (SPEC BACN10YR3CD)  |   |   |   |   |   |                     |                      |
|              |                |                           |              | (OPT PLH53CD (V62554))  |   |   |   |   |   |                     |                      |
| 615          | 113A2742-9     |                           | .            | RETAINER-SEAL   |   |   |   |   |   | A, B, E,<br>G, J, L | 1                    |
| -620         | 113A2742-10    |                           | .            | RETAINER-SEAL   |   |   |   |   |   | C, D, F,<br>H, K, M | 1                    |
| 625          | 113A2742-3     |                           | .            | RETAINER-SEAL   |   |   |   |   |   |                     | 1                    |
| 630          | 113A2742-11    |                           | .            | RETAINER-SEAL   |   |   |   |   |   | A, B, E,<br>G, J, L | 1                    |
| -635         | 113A2742-12    |                           | .            | RETAINER-SEAL   |   |   |   |   |   | C, D, F,<br>H, K, M | 1                    |
| 640          | 113A2700-7     |                           | .            | SEAL-AERO   |   |   |   |   |   | A, B, E,<br>G, J, L | 1                    |
|              |                |                           |              | (MAKE FROM SECTION RUBBER<br>FABRIC COVERED, MAKE FROM<br>BAC1530-16 X 9.1) |   |   |   |   |   |                     |                      |

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| FIG/<br>ITEM | PART NUMBER   | AIRLINE<br>PART<br>NUMBER | NOMENCLATURE |  |   |   |   |   |   | USAGE<br>CODE       | UNITS<br>PER<br>ASSY |
|--------------|---------------|---------------------------|--------------|--|---|---|---|---|---|---------------------|----------------------|
|              |               |                           | 1            | 2  | 3 | 4 | 5 | 6 | 7 |                     |                      |
| 1-           |               |                           |              |  |   |   |   |   |   |                     |                      |
| -645         | 113A2700-8    |                           | .            | SEAL-AERO<br>(MAKE FROM SECTION RUBBER<br>FABRIC COVERED, MAKE FROM<br>BAC1530-16 X 9.1)   |   |   |   |   |   | C, D, F,<br>H, K, M | 1                    |
| 650          | 113A2700-11   |                           | .            | SEAL-AERO<br>(MAKE FROM CLOSED CELL<br>SPONGE RUBBER PER BMS 1-60,<br>TYPE 1, GRADE B, FORM 2, STOCK<br>.15 X 1.0 X 3.0)                                     |   |   |   |   |   |                     | 1                    |
| 655          | BACB30VF3K5   |                           | .            | BOLT   |   |   |   |   |   |                     | 18                   |
| 660          | BACB30VF3K6   |                           | .            | BOLT   |   |   |   |   |   |                     | 29                   |
| 665          | BACR15GE3CW4  |                           | .            | RIVET  |   |   |   |   |   | A-K                 | 22                   |
| -665A        | BACR15GE3CW4  |                           | .            | RIVET<br>(OPT ITEM 665B)   |   |   |   |   |   | L, M                | 22                   |
| -665B        | NAS1399CW3A2  |                           | .            | RIVET<br>(OPT ITEM 665A)   |   |   |   |   |   | L, M                | 22                   |
| 670          | BACR15BA3AD6  |                           | .            | RIVET  |   |   |   |   |   |                     | 12                   |
| 675          | BACR15GE3CW3  |                           | .            | RIVET  |   |   |   |   |   |                     | 12                   |
| 680          | BACR15GE3CW6  |                           | .            | RIVET  |   |   |   |   |   | A-K                 | 2                    |
| -680A        | BACR15GE3CW6  |                           | .            | RIVET<br>(OPT ITEM 680B)   |   |   |   |   |   | L, M                | 2                    |
| -680B        | NAS1399CW3A2  |                           | .            | RIVET<br>(OPT ITEM 680A)   |   |   |   |   |   | L, M                | 2                    |
| 685          | BACR15BA3AD4C |                           | .            | RIVET  |   |   |   |   |   |                     | 42                   |
| 690          | BACR15BA3AD5C |                           | .            | RIVET  |   |   |   |   |   |                     | 4                    |
| 695          | NS202493-02-2 |                           | .            | NUTPLATE<br>(V80539)<br>(SPEC BACN10KE3B2CD)<br>(OPT BRFR220C3-2D (V52828))<br>(OPT F51747-3-2CD (V15653))<br>(OPT 102A9213-2-3 (V72962))<br>(OPT ITEM 695A) |   |   |   |   |   |                     | 6                    |
| -695A        | BACN11G3A2CD  |                           | .            | NUTPLATE<br>(OPT ITEM 695)   |   |   |   |   |   |                     | 6                    |

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| FIG/<br>ITEM | PART NUMBER    | AIRLINE<br>PART<br>NUMBER | NOMENCLATURE |   |   |   |   |   |   | USAGE<br>CODE | UNITS<br>PER<br>ASSY |
|--------------|----------------|---------------------------|--------------|---|---|---|---|---|---|---------------|----------------------|
|              |                |                           | 1            | 2 | 3 | 4 | 5 | 6 | 7 |               |                      |
| 1-           |                |                           |              |   |   |   |   |   |   |               |                      |
| 700          | NS202493-02-3  |                           | .            |   |   |   |   |   |   |               | 1                    |
|              |                |                           |              |   |   |   |   |   |   |               |                      |
| 705          | MF51594-3-2BAC |                           | .            |   |   |   |   |   |   |               | 5                    |
|              |                |                           |              |   |   |   |   |   |   |               |                      |
| 710          | MF51594-3-3BAC |                           | .            |   |   |   |   |   |   |               | 7                    |
|              |                |                           |              |   |   |   |   |   |   |               |                      |
| 715          | NS202494-02-2  |                           | .            |   |   |   |   |   |   |               | 2                    |
|              |                |                           |              |   |   |   |   |   |   |               |                      |
| 720          | BACN10YF31CD   |                           | .            |   |   |   |   |   |   |               | 1                    |
| 725          | NS202495-02    |                           | .            |   |   |   |   |   |   |               | 2                    |
|              |                |                           |              |   |   |   |   |   |   |               |                      |
| 730          | NS202494-02-4  |                           | .            |   |   |   |   |   |   |               | 4                    |
|              |                |                           |              |   |   |   |   |   |   |               |                      |
| 735          | NS202493-02-4  |                           | .            |   |   |   |   |   |   |               | 19                   |
|              |                |                           |              |   |   |   |   |   |   |               |                      |
| 740          | 113A2700-13    |                           | .            |   |   |   |   |   |   |               | 2                    |
| 745          | BACB30VF3K6    |                           | .            |   |   |   |   |   |   |               | 59                   |
| 750          | BCREF12801     |                           | .            |   |   |   |   |   |   |               | 3                    |
|              |                |                           |              |   |   |   |   |   |   |               |                      |

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| FIG/<br>ITEM | PART NUMBER   | AIRLINE<br>PART<br>NUMBER | NOMENCLATURE |                           |   |   |   |   |                     | USAGE<br>CODE | UNITS<br>PER<br>ASSY |
|--------------|---------------|---------------------------|--------------|---------------------------|---|---|---|---|---------------------|---------------|----------------------|
|              |               |                           | 1            | 2                         | 3 | 4 | 5 | 6 | 7                   |               |                      |
| 1-           |               |                           |              |                           |   |   |   |   |                     |               |                      |
| 755          | BCREF12802    |                           | .            | CHANNEL                   |   |   |   |   |                     |               | 1                    |
|              |               |                           |              | (V81205)                  |   |   |   |   |                     |               |                      |
|              |               |                           |              | (BACN10YK3D013N10U)       |   |   |   |   |                     |               |                      |
| 760          | BCREF12803    |                           | .            | CHANNEL                   |   |   |   |   |                     |               | 1                    |
|              |               |                           |              | (V81205)                  |   |   |   |   |                     |               |                      |
|              |               |                           |              | (BACN10YK3C013N10U)       |   |   |   |   |                     |               |                      |
| 765          | BCREF12800    |                           | .            | CHANNEL                   |   |   |   |   |                     |               | 1                    |
|              |               |                           |              | (V81205)                  |   |   |   |   |                     |               |                      |
|              |               |                           |              | (BACN10YK3D013N6U)        |   |   |   |   |                     |               |                      |
| 770          | 113A2731-1    |                           | .            | PANEL-SKIN                |   |   |   |   | A                   |               | 1                    |
| -770A        | 113A2731-3    |                           | .            | PANEL-SKIN                |   |   |   |   | B, E, G,<br>J, L    |               | 1                    |
| -775         | 113A2731-2    |                           | .            | PANEL-SKIN                |   |   |   |   | C                   |               | 1                    |
| -775A        | 113A2731-4    |                           | .            | PANEL-SKIN                |   |   |   |   | D, F, H,<br>K, M    |               | 1                    |
| 780          | 113A2710-1    |                           | .            | BONDED ASSY-TE WEDGE      |   |   |   |   | A, B, E             |               | 1                    |
| -780A        | 113A2710-11   |                           | .            | BONDED ASSY-TE WEDGE      |   |   |   |   | G, J                |               | 1                    |
| -780B        | 113A2710-21   |                           | .            | BONDED ASSY-TE WEDGE      |   |   |   |   | L                   |               | 1                    |
| -785         | 113A2710-2    |                           | .            | BONDED ASSY-TE WEDGE      |   |   |   |   | C, D, F             |               | 1                    |
| -785A        | 113A2710-12   |                           | .            | BONDED ASSY-TE WEDGE      |   |   |   |   | H, K                |               | 1                    |
| -785B        | 113A2710-22   |                           | .            | BONDED ASSY-TE WEDGE      |   |   |   |   | M                   |               | 1                    |
| 790          | HST10AG6-4    |                           | ..           | BOLT                      |   |   |   |   |                     |               | 8                    |
|              |               |                           |              | (V06725)                  |   |   |   |   |                     |               |                      |
|              |               |                           |              | (SPEC BACB30VT6K4)        |   |   |   |   |                     |               |                      |
|              |               |                           |              | (OPT HST10AG6-4 (V73197)) |   |   |   |   |                     |               |                      |
|              |               |                           |              | (OPT HST10AG6-4 (V56878)) |   |   |   |   |                     |               |                      |
|              |               |                           |              | (OPT HST10AG6-4 (V0PTK6)) |   |   |   |   |                     |               |                      |
| 795          | NAS1329A3B130 |                           | ..           | RIVET                     |   |   |   |   |                     |               | 5                    |
| 800          | HST79CY6      |                           | ..           | COLLAR                    |   |   |   |   |                     |               | 8                    |
|              |               |                           |              | (V73197)                  |   |   |   |   |                     |               |                      |
|              |               |                           |              | (SPEC BACC30BL6)          |   |   |   |   |                     |               |                      |
|              |               |                           |              | (OPT HST79-6 (V56878))    |   |   |   |   |                     |               |                      |
|              |               |                           |              | (OPT HST79-6 (V92215))    |   |   |   |   |                     |               |                      |
|              |               |                           |              | (OPT HST79-6 (V5M902))    |   |   |   |   |                     |               |                      |
| 805          | 113A2714-1    |                           | ..           | RIB-OUTBD PROGRAM ROLLER  |   |   |   |   | A, B, E,<br>G, J, L |               | 1                    |
| -810         | 113A2714-2    |                           | ..           | RIB-OUTBD PROGRAM ROLLER  |   |   |   |   | C, D, F,<br>H, K, M |               | 1                    |

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| FIG/<br>ITEM | PART NUMBER | AIRLINE<br>PART<br>NUMBER | NOMENCLATURE |   |   |   |   |   |   | USAGE<br>CODE       | UNITS<br>PER<br>ASSY |
|--------------|-------------|---------------------------|--------------|---|---|---|---|---|---|---------------------|----------------------|
|              |             |                           | 1            | 2 | 3   | 4 | 5 | 6 | 7 |                     |                      |
| 1-           |             |                           |              |   |   |   |   |   |   |                     |                      |
| 815          | 113A2713-1  |                           | .            | . | RIB-INBD PROGRAM ROLLER   |   |   |   |   | A, B, E,<br>G, J, L | 1                    |
| -820         | 113A2713-3  |                           | .            | . | RIB-INBD PROGRAM ROLLER   |   |   |   |   | C, D, F,<br>H, K, M | 1                    |
| 825          | 113A2711-1  |                           | .            | . | SPAR  |   |   |   |   | A, B, E,<br>G, J, L | 1                    |
| -830         | 113A2711-2  |                           | .            | . | SPAR  |   |   |   |   | C, D, F,<br>H, K, M | 1                    |
| 835          | AF5140-3C2  |                           | .            |   | RIVET<br>(V53551)<br>(SPEC BACR15DR3PAC2)<br>(OPT CCR274CS3-2IT (V11815))<br>(OPT RV540A3C2 (V98996)) |   |   |   |   |                     | 4                    |
| 840          | MS27253C1   |                           | .            |   | PLATE   |   |   |   |   |                     | 1                    |

-Item not Illustrated

# 57-53-09

ILLUSTRATED PARTS LIST

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