



COMPONENT MAINTENANCE MANUAL WITH ILLUSTRATED PARTS LIST

NOSE WHEEL STEERING METERING VALVE COVER ASSEMBLY

PART NUMBER

**65-44713-13, -16, -17, -18, -32, -33, -34, -41, -42,
-50, -52, -56, -6, -62, -63**

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COMPONENT MAINTENANCE MANUAL

Revision No. 7
Jul 01/2009

To: All holders of NOSE WHEEL STEERING METERING VALVE COVER ASSEMBLY 32-50-12.

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.

ATTENTION

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TRANSMITTAL LETTER
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Location of Change

Description of Change

NO HIGHLIGHTS

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HIGHLIGHTS

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O 1	Jul 01/2009	502	BLANK	1009	Nov 01/2006
2	BLANK	32-50-12 REPAIR - GENERAL		1010	Mar 01/2006
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2	BLANK	603	Nov 01/2006		
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32-50-12 RECORD OF TEMPORARY REVISIONS		602	Mar 01/2006		
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2	BLANK	702	BLANK		
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2	Nov 01/2006	802	BLANK		
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102	BLANK	902	BLANK		
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302	BLANK	1002	Nov 01/2006		
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		1005	Mar 01/2006		

A = Added, R = Revised, D = Deleted, O = Overflow

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TEMPORARY REVISION AND SERVICE BULLETIN RECORD

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVE	DATE OF INCORPORATION INTO MANUAL
		PRR 31395	MAR 01/01
		PRR 32756-15	MAR 01/01
		PRR 32915	MAR 01/01
		PRR 33051	MAR 01/01
		PRR 33102	MAR 01/01
		PRR 33347	MAR 01/01
		PRR 33351	MAR 01/01
		PRR 35005-132	MAR 01/01

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TR AND SB RECORD

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COMPONENT MAINTENANCE MANUAL

All revisions to this manual will be accompanied by transmittal sheet bearing the revision number. Enter the revision number in numerical order, together with the revision date, the date filed and the initials of the person filing.

Revision		Filed		Revision		Filed	
Number	Date	Date	Initials	Number	Date	Date	Initials



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Revision		Filed		Revision		Filed	
Number	Date	Date	Initials	Number	Date	Date	Initials

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REVISION RECORD

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COMPONENT MAINTENANCE MANUAL

All temporary revisions to this manual will be accompanied by a cover sheet bearing the temporary revision number. Enter the temporary revision number in numerical order, together with the temporary revision date, the date the temporary revision is inserted and the initials of the person filing.

When the temporary revision is incorporated or cancelled, and the pages are removed, enter the date the pages are removed and the initials of the person who removed the temporary revision.

Temporary Revision		Inserted		Removed		Temporary Revision		Inserted		Removed	
Number	Date	Date	Initials	Date	Initials	Date	Initials	Number	Date	Date	Initials

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RECORD OF TEMPORARY REVISION



COMPONENT MAINTENANCE MANUAL

Temporary Revision		Inserted		Removed	
Number	Date	Date	Initials	Date	Initials

Temporary Revision		Inserted		Removed	
Date	Initials	Number	Date	Date	Initials



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

NOSE WHEEL STEERING METERING VALVE COVER ASSEMBLY - DESCRIPTION AND OPERATION

1. Description

A. The nose wheel steering metering valve cover assembly is a box-shaped unit made of plastic reinforced with glass fabric. It includes an inspection plate and attachment hardware.

2. Operation

A. The nose wheel steering metering valve cover is installed on the steering metering valve mechanism of the nose landing gear. It gives protection to the valve and related parts.

3. Leading Particulars (Approximate)

- A. Length – 14 inches
- B. Width – 15 inches
- C. Height – 7.3 inches
- D. Weight – 3 pounds

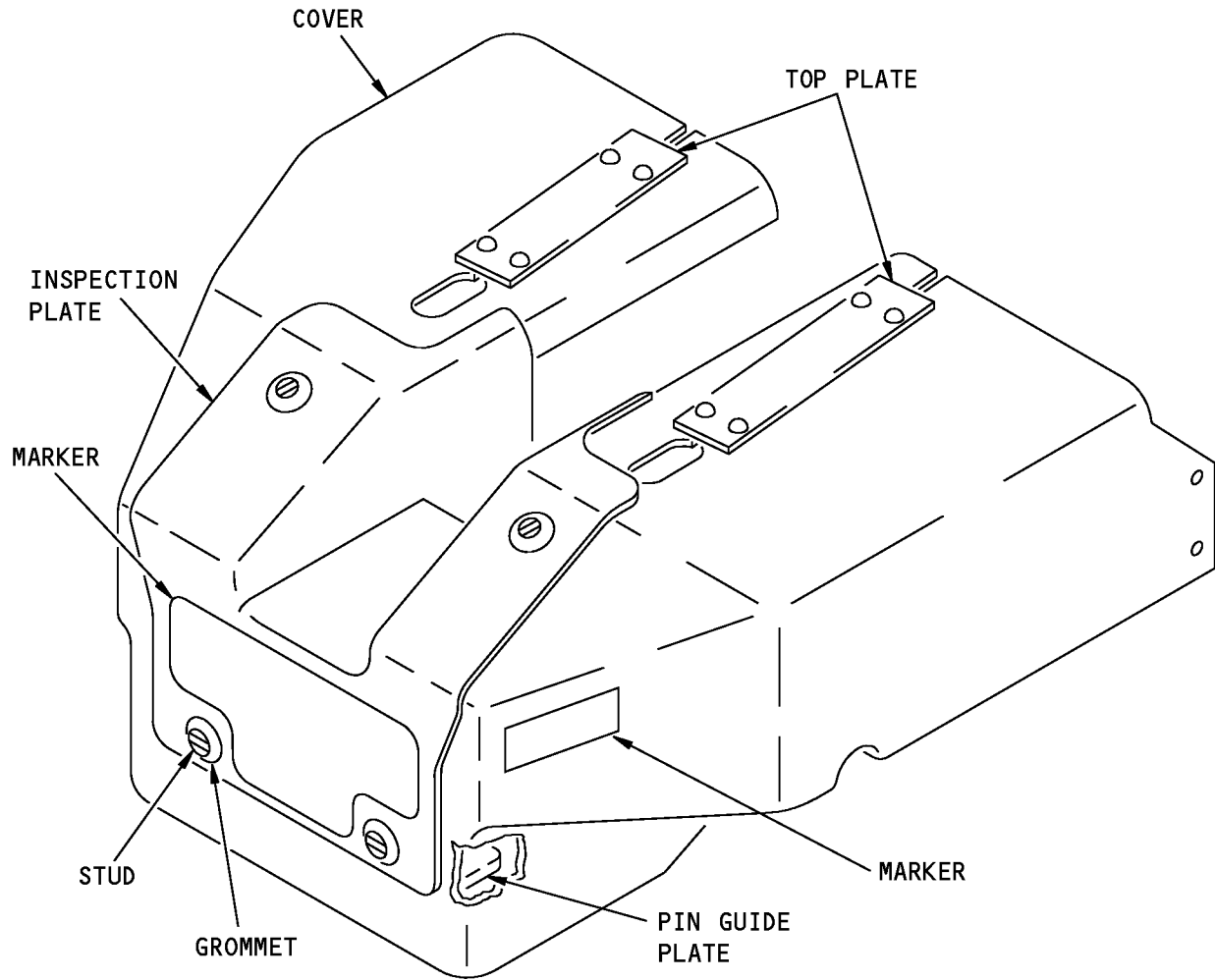
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DESCRIPTION AND OPERATION

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Nose Wheel Steering Metering Valve Cover Assembly
Figure 1

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DESCRIPTION AND OPERATION

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TESTING AND FAULT ISOLATION

(NOT APPLICABLE)

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TESTING AND FAULT ISOLATION

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DISASSEMBLY

(NOT APPLICABLE)

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DISASSEMBLY

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CLEANING

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CLEANING

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CHECK

(NOT APPLICABLE)

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CHECK

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REPAIR

1. General

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

Table 601:

PART NUMBER	NAME	REPAIR
—	REFINISH OF OTHER PARTS	1-1
—	EXTERNAL PARTS REPLACEMENT	2-1
65-44713	INSPECTION PLATE	3-1
65-44713	COVER	4-1

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	∅	DIAMETER
▭	FLATNESS	S ∅	SPHERICAL DIAMETER
⊥	PERPENDICULARITY (OR SQUARENESS)	R	RADIUS
//	PARALLELISM	SR	SPHERICAL RADIUS
○	ROUNDNESS	()	REFERENCE
⊘	CYLINDRICITY	BASIC	A THEORETICALLY EXACT DIMENSION USED
⌒	PROFILE OF A LINE	(BSC)	TO DESCRIBE SIZE, SHAPE OR LOCATION OF
⌒	PROFILE OF A SURFACE	OR	A FEATURE. FROM THIS FEATURE PERMISSIBLE
◎	CONCENTRICITY	DIM	VARIATIONS ARE ESTABLISHED BY TOLERANCES
≡	SYMMETRY		ON OTHER DIMENSIONS OR NOTES.
∠	ANGULARITY	-A-	DATUM
↗	RUNOUT	Ⓜ	MAXIMUM MATERIAL CONDITION (MMC)
↗↗	TOTAL RUNOUT	Ⓛ	LEAST MATERIAL CONDITION (LMC)
⊏	COUNTERBORE OR SPOTFACE	Ⓢ	REGARDLESS OF FEATURE SIZE (RFS)
∇	COUNTERSINK	Ⓟ	PROJECTED TOLERANCE ZONE
⊕	THEORETICAL EXACT POSITION OF A FEATURE (TRUE POSITION)	FIM	FULL INDICATOR MOVEMENT

EXAMPLES

— 0.002	STRAIGHT WITHIN 0.002	◎ ∅ 0.0005 C	CONCENTRIC TO DATUM C WITHIN 0.0005 DIAMETER
⊥ 0.002 B	PERPENDICULAR TO DATUM B WITHIN 0.002	≡ 0.010 A	SYMMETRICAL WITH DATUM A WITHIN 0.010
// 0.002 A	PARALLEL TO DATUM A WITHIN 0.002	∠ 0.005 A	ANGULAR TOLERANCE 0.005 WITH DATUM A
○ 0.002	ROUND WITHIN 0.002	⊕ ∅ 0.002 Ⓢ B	LOCATED AT TRUE POSITION WITHIN 0.002 DIA RELATIVE TO DATUM B, REGARDLESS OF FEATURE SIZE
⊘ 0.010	CYLINDRICAL SURFACE MUST LIE BETWEEN TWO CONCENTRIC CYLINDERS, ONE OF WHICH HAS A RADIUS 0.010 INCH GREATER THAN THE OTHER	⊥ ∅ 0.010 Ⓜ 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
⌒ 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	0.510 Ⓟ	
⌒ 0.020 A	SURFACES MUST LIE WITHIN PARALLEL BOUNDARIES 0.020 INCH APART AND EQUALLY DISPOSED ABOUT TRUE PROFILE	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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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 other repairs.
- B. Refer to the Standard Overhaul Practices 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
C00259	Primer - Chemical And Solvent Resistant Finish, Epoxy Resin	BMS10-11, Type I
C50069	Coating - Enamel, Color 702 Gloss White	BMS10-11, Type II

B. References

Reference	Title
SOPM 20-30-02	STRIPPING OF PROTECTIVE FINISHES
SOPM 20-30-03	GENERAL CLEANING PROCEDURES
SOPM 20-41-01	DECODING TABLE FOR BOEING FINISH CODES
SOPM 20-60-02	FINISHING MATERIALS

C. General

- (1) Instructions for the repair of the parts listed in REPAIR 1-1, Table 601 are for replacement of the original finish.

D. Procedure

NOTE: For stripping of protective finishes, refer to SOPM 20-30-02. For general cleaning procedures, refer to SOPM 20-30-03. For the decoding table for Boeing finish codes, refer to SOPM 20-41-01. For finishing materials, refer to SOPM 20-60-02.

- (1) Refer to REPAIR 1-1, Table 601

Table 601: Refinish Details

NAME AND PART NO.	MATERIAL	FINISH
Plates 65-44713-9, -10	Al alloy	Chemical treat or chromic acid anodize and apply primer, C00259 (F-18.05). Apply enamel coating, C50069 (F-21.02).
Plate 65-44713-55	Al alloy	Chemical treat and apply primer, C00259 (F-18.06). Apply enamel coating, C50069(F-21.02).
Plates 65-44713-59, -60	Al alloy	Chemical treat (F-17.07). Apply primer, C00259 (F-20.03). Apply enamel coating, C50069 (F-21.03).
Plate 69-71555-1	BMS 8-80 fiberglass	Apply primer, C00259 (F-20.02).

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REPAIR 1-1

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EXTERNAL PARTS REPLACEMENT - REPAIR 2-1

BACM10W2ACF, BAC27DHY254, BAC27DHY0301, BAC27DHY0312

1. General

- A. This repair has instructions for the replacement of the markers.
- B. Refer to the Standard overhaul Practices Manual (SOPM) for the SOPM subjects identified in this procedure.
- C. Refer to IPL Figure 1, IPL Figure 2, or IPL Figure 3 for item numbers.

2. Marker Replacement

- A. Consumable Materials

NOTE: Equivalent substitutes may be used.

Reference	Description	Specification
B00571	Coating - Clear Hydraulic Fluid Resistant Topcoat	BAC5710, Type 41

- B. References

Reference	Title
SOPM 20-30-03	GENERAL CLEANING PROCEDURES
SOPM 20-41-01	DECODING TABLE FOR BOEING FINISH CODES
SOPM 20-50-05	APPLICATION OF ALUMINUM FOIL AND OTHER MARKERS

- C. Procedure

NOTE: For general cleaning procedures, refer to SOPM 20-30-03. For the decoding table for Boeing finish codes, refer to SOPM 20-41-01.

- (1) Remove the old marker.
- (2) Install a replacement marker per SOPM 20-50-05.
- (3) Seal the edges with coating, B00571 (F-21.34).

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REPAIR 2-1

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INSPECTION PLATE ASSEMBLY - REPAIR 3-1

65-44713-3, -14, -26, -30, -39, -40, -43, -47, -51

1. General

- A. This repair has instructions to replace the parts of the inspection plate assembly and to repair defects in the plate.
- B. Refer to the Standard Overhaul Practices Manual (SOPM) for the SOPM subjects identified in this procedure.
- C. Part numbers are used, rather than item numbers, to make the procedure easier to use.

2. Parts Replacement

- A. Replace grommets, studs and snaprings by standard industry practices.
- B. Replace markers per REPAIR 2-1.

3. Cover repair

- A. Consumable Materials

NOTE: Equivalent substitutes may be used.

Reference	Description	Specification
C00032	Coating - Exterior Protective Enamel, General Use	BMS10-60, Type I
C00259	Primer - Chemical And Solvent Resistant Finish, Epoxy Resin	BMS10-11, Type I
G02451	Resin - Composite Structural Repair, 2 Part (150F Cure)	BMS8-301, Class 2

- B. References

Reference	Title
SOPM 20-30-02	STRIPPING OF PROTECTIVE FINISHES
SOPM 20-30-03	GENERAL CLEANING PROCEDURES
SOPM 20-41-01	DECODING TABLE FOR BOEING FINISH CODES
SOPM 20-60-01	CLEANING MATERIALS
SOPM 20-60-02	FINISHING MATERIALS
SOPM 20-60-04	MISCELLANEOUS MATERIALS
737 SRM 51-70-06	Structural Repair Manual

- C. Procedure (REPAIR 3-1, Figure 601)

NOTE: For stripping of protective finishes, refer to SOPM 20-30-02. For general cleaning procedures, refer to SOPM 20-30-03. For the cleaning materials, refer to SOPM 20-60-01. For miscellaneous materials, refer to SOPM 20-60-04.

- (1) If the plate is painted, remove the paint with a light blast with Shelblast abrasive.
- (2) On plate 65-44713-5, remove the section shown, to prevent future damage from vibration interference with mating parts, or adjacent parts of the installation. Then change the plate part number to 65-44713-15 and the plate assembly part number to 65-44713-14.

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REPAIR 3-1

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- (3) Repair per 737 SRM 51-70-06, Repair 10 or 11, as applicable using resin, G02451.
- (4) Refinish as indicated.
- (5) Replace numbers and other external parts per REPAIR 3-1, Paragraph 3.C.(2) above.

D. Refinish

- (1) Procedure

NOTE: For stripping of protective finishes, refer to SOPM 20-30-02. For general cleaning procedures, refer to SOPM 20-30-03. For the decoding table for Boeing finish codes, refer to SOPM 20-41-01. For the cleaning materials, refer to SOPM 20-60-01. For finishing materials, refer to SOPM 20-60-02.

- (a) These plates have no finish, but you can apply primer, C00259 (F-20.02) and enamel coating, C00032 (F-14.9816-706).

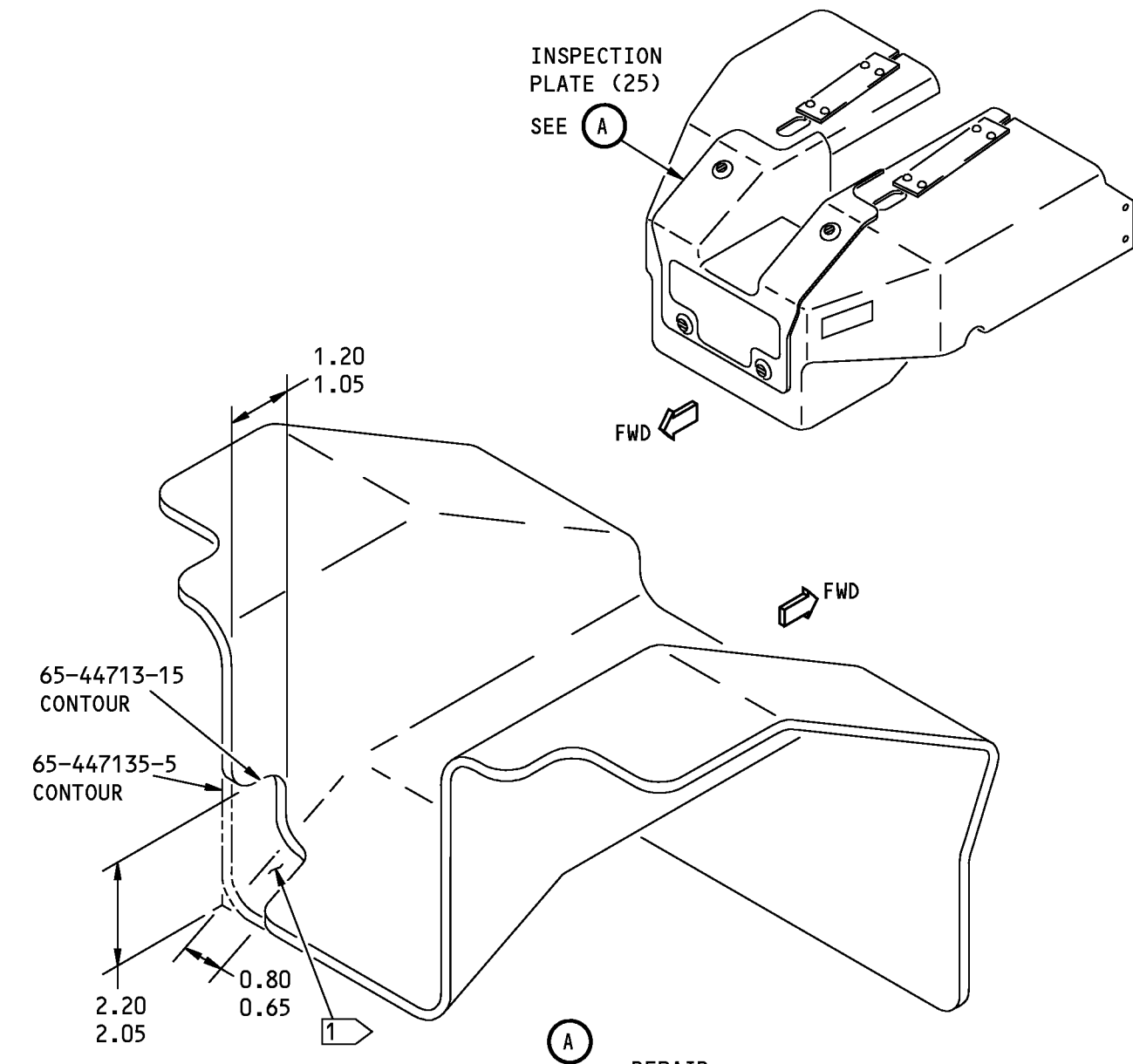
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REPAIR 3-1

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1 REMOVE THIS MATERIAL FROM 65-44713-5 PLATE (MAKES IT A 65-44713-15 CONFIGURATION)

(A)

REPAIR

125 / ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

CORNER AND FILLETS ARE 0.22-0.53 R

MATERIAL: BMS 8-80 FIBERGLASS

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

65-44713-5,-15 Inspection Plate Repair
Figure 601

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REPAIR 3-1
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COVER SUB-ASSEMBLY - REPAIR 4-1

65-44713-7, -12, -19, -25, -27, -35, -37, -45, -53, -57, -61, -64

1. General

- A. This repair has instructions to replace the parts of the sub-assembly and to repair defects in the cover.
- B. Refer to the Standard Overhaul Practices Manual (SOPM) for the SOPM subjects identified in this procedure.
- C. Part numbers are used, rather than item numbers, to make the procedure easier to use.

2. Nutplate and Receptacle Replacement

- A. Remove the rivets and the bad part by standard industry practices.
- B. Install replacement nutplates and receptacles with new rivets.

3. Cover

- A. Consumable Materials

NOTE: Equivalent substitutes may be used.

Reference	Description	Specification
C00032	Coating - Exterior Protective Enamel, General Use	BMS10-60, Type I
C00259	Primer - Chemical And Solvent Resistant Finish, Epoxy Resin	BMS10-11, Type I
G02451	Resin - Composite Structural Repair, 2 Part (150F Cure)	BMS8-301, Class 2

- B. References

Reference	Title
SOPM 20-30-02	STRIPPING OF PROTECTIVE FINISHES
SOPM 20-30-03	GENERAL CLEANING PROCEDURES
SOPM 20-41-01	DECODING TABLE FOR BOEING FINISH CODES
SOPM 20-60-01	CLEANING MATERIALS
SOPM 20-60-02	FINISHING MATERIALS
SOPM 20-60-04	MISCELLANEOUS MATERIALS
737 SRM 51-70-06	Structural Repair Manual

- C. Procedure (REPAIR 4-1, Figure 601)

NOTE: For stripping of protective finishes, refer to SOPM 20-30-02. For general cleaning procedures, refer to SOPM 20-30-03. For the cleaning materials, refer to SOPM 20-60-01. For miscellaneous materials, refer to SOPM 20-60-04.

- (1) If the cover is painted, remove the cover with a light blast with Shelblast abrasive.
- (2) Remove the material shown, if applicable, to prevent future damage from vibration interference with mating parts, or adjacent parts of the installation.

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REPAIR 4-1

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- (3) Repair per 737 SRM 51-70-06, Repair 10 or 11, as applicable using resin, G02451.
- (4) Refinish as indicated.

D. Refinish

(1) Procedure

NOTE: For stripping of protective finishes, refer to SOPM 20-30-02. For general cleaning procedures, refer to SOPM 20-30-03. For the decoding table for Boeing finish codes, refer to SOPM 20-41-01. For the cleaning materials, refer to SOPM 20-60-01. For finishing materials, refer to SOPM 20-60-02.

- (a) 65-44713-8, -11, -28, -36, -46, -54, -58, -65 – No finish. Optional: apply primer, C00259 (F-20.02) and enamel coating, C00032 (F-14.9816-706).
- (b) 65-44713-22, -23 – Apply primer, C00259 (F-20.02). Optional: apply enamel coating, C00032 (F-14.9816-706).

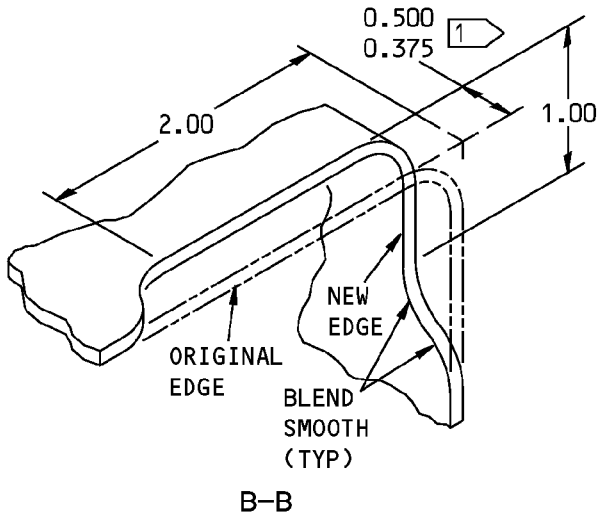
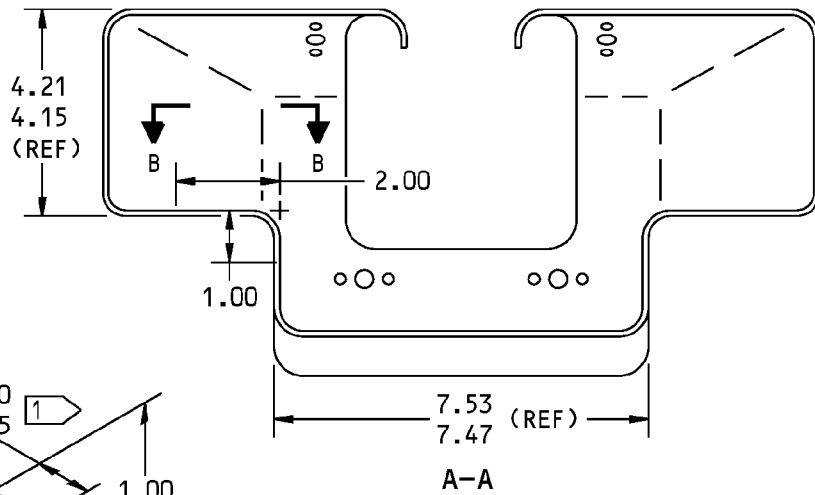
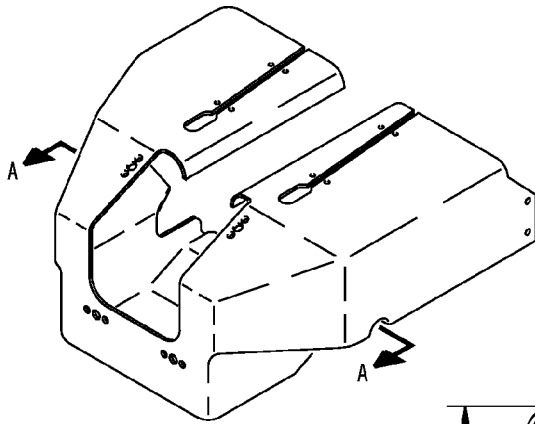
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REPAIR 4-1

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REPAIR

REF

125/ ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

MATERIAL: BMS 8-80 FIBERGLASS

ALL DIMENSIONS ARE IN INCHES

REMOVE MATERIAL FROM THIS EDGE AS NECESSARY TO PREVENT DAMAGE FROM MATING OR ADJACENT PARTS

65-44713-8,-11,-22,-28,-36,-38,-46,-54,-58,-65 Cover Repairs
Figure 601

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REPAIR 4-1

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ASSEMBLY

(NOT APPLICABLE)

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ASSEMBLY

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FITS AND CLEARANCES

(NOT APPLICABLE)

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FITS AND CLEARANCES

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COMPONENT MAINTENANCE MANUAL

SPECIAL TOOLS, FIXTURES, AND EQUIPMENT

(NOT APPLICABLE)

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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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ILLUSTRATED PARTS LIST

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COMPONENT MAINTENANCE MANUAL

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

VENDOR CODES

Code	Name
11815	CHERRY AEROSPACE FASTENERS DIV OF TEXTRON 1224 EAST WARNER AVENUE PO BOX 2157 SANTA ANA, CALIFORNIA 92707-0157 FORMERLY IN LOS ANGELES, CALIF , FORMERLY CHERRY FASTENERS TOWNSEND DIV OF TEXTRON INC V71087
15653	ALCOA GLOBAL FASTENERS INC DIV KAYNAR PRODUCTS 800 S STATE COLLEGE BLVD FULLERTON, CALIFORNIA 92831-3001 FORMERLY VK6405 MICRODOT AEROSP LTD; FORMERLY KAYNAR TECH FORMERLY FAIRCHILD FASTENERS KAYNAR DIV
52828	REPUBLIC FASTENER MFG CORP 1300 RANCHO CONEJO BLVD NEWBURY PARK, CALIFORNIA 91320-1405 FORMERLY IN SYLMAR, CALIFORNIA
71286	ALCOA GLOBAL FASTENERS INC 3014 W LOMITA BLVD TORRANCE, CALIFORNIA 90505 FORMERLY REXNORD INC SPECIALITY FASTENER DIV IN HASBROUCK HEIGHTS, NEW JERSEY; FORMERLY CAMLOC FASTENER CORP V08733
72962	HARVARD INDUSTRIES INC 3 WERNER WAY SUITE 210 LEBANON, NEW JERSEY 08833 FORMERLY ESNA V7A079 FORMERLY ELASTIC STOP NUT IN UNION, NJ

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**COMPONENT MAINTENANCE MANUAL**

Code	Name
80539	SPS TECHNOLOGIES INC DIV AERPSOACE - SANTA ANA 2701 SOUTH HARBOR BOULEVARD SANTA ANA, CALIFORNIA 92704-5803 FORMERLY NUTT-SHEL DIV OF SPC WESTERN CO V80539 AND STANDARD PRESSED STEEL WESTERN DIV V17279
92215	FAIRCHILD IND INC FAIRCHILD AEROSPACE FASTENER DIV 3010 W LOMITA BLVD TORRANCE, CALIFORNIA 90505-5102 FORMERLY VOI-SHAN IN CULVER CITY, CALIF

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COMPONENT MAINTENANCE MANUAL

NUMERICAL INDEX

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
4002NS		1	20	4
		2	25	4
		3	20	4
40R18-1		1	50	4
		2	50	4
		3	50	4
65-44713-10		1	85	1
		2	75	1
65-44713-11		1	90A	1
65-44713-12		1	40A	1
65-44713-13		1	1B	RF
65-44713-14		1	5A	1
65-44713-15		1	25A	1
65-44713-16		1	1C	RF
65-44713-17		1	1D	RF
65-44713-18		1	1E	RF
65-44713-19		1	40C	1
		1	40D	1
65-44713-22		1	90B	1
65-44713-26		1	5B	1
65-44713-27		2	45	1
65-44713-28		2	95	1
65-44713-29		2	30	1
65-44713-3		1	5	1
65-44713-30		2	5	1
65-44713-32		1	1F	RF
		2	1A	RF
65-44713-33		1	1G	RF
65-44713-34		1	1H	RF
		2	1B	RF
65-44713-35		1	40E	1
65-44713-36		1	90C	1
65-44713-37		2	45A	1
65-44713-38		2	95A	1

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PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
65-44713-39		1	5C	1
65-44713-40		2	5A	1
65-44713-41		1	1J	RF
		2	1C	RF
65-44713-42		1	1K	RF
65-44713-43		1	5D	1
65-44713-45		1	40F	1
65-44713-46		1	90D	1
65-44713-47		3	5	1
65-44713-48		3	25	1
65-44713-5		1	25	1
65-44713-50		1	1L	RF
65-44713-51		1	5E	1
65-44713-52		1	1M	RF
		3	1A	RF
65-44713-53		3	30	1
65-44713-54		3	75	1
65-44713-55		3	70	1
65-44713-56		1	1N	RF
65-44713-57		1	40G	1
65-44713-58		1	90E	1
65-44713-59		1	80A	1
65-44713-6		1	1A	RF
65-44713-60		1	85A	1
65-44713-61		1	40H	1
65-44713-62		1	1P	RF
65-44713-63		1	1Q	RF
		3	1B	RF
65-44713-64		3	30A	1
65-44713-65		3	75A	1
65-44713-7		1	40	1
		1	40B	1
65-44713-8		1	90	1
65-44713-9		1	80	1
		2	70	1

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PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
		3	40	1
69-71555-1		1	60	1
		2	90	1
BAC27DHY0301		3	800	1
BAC27DHY0312		1	800	2
		2	800	2
		3	810	2
BAC27DHY254		1	35	1
		2	35	1
BACB30NX4C		2	80	2
BACC30AJ4		2	85	2
BACG20X3C		1	20	4
		2	25	4
		3	20	4
BACM10W2ACF		1	30	1
		2	40	1
		3	805	1
BACN10JN3		1	70	8
		3	60	6
BACN10KB3		3	65	2
BACR11X3C		1	50	4
		2	50	4
		3	50	4
BACR12X1		1	10	4
		2	15	4
		3	15	4
BACR15BA3A		2	55	16
BACR15BB4ACC		1	55	2
BACS21X8C		1	15	4
		2	10	4
		3	10	4
BR1000A3		3	65	2
BRFM20A3		1	70	8
		3	60	6
K2000-3		3	65	2

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PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
MF1000-3BAC		1	70	8
		3	60	6
MF53049-3		1	70	8
		3	60	6
MS2042604		3	45	8
MS20426A3		1	65	16
		3	55	16
MS20426D4		1	45	8
		2	20	8
NAS1068A3		2	60	8
NAS603-8P		1	75	8
		3	35	8
NAS6603-8		2	65	8
NS103184-02		3	65	2
NS103218-02		1	70	8
		3	60	6
R4G		1	10	4
		2	15	4
		3	15	4
RMA9207-3		3	65	2
RMF9201M3		1	70	8
		3	60	6
T8109S1032		3	65	2
T8124S3S		1	70	8
		3	60	6
VN101A1-02		3	65	2
VN252A02		1	70	8
		3	60	6

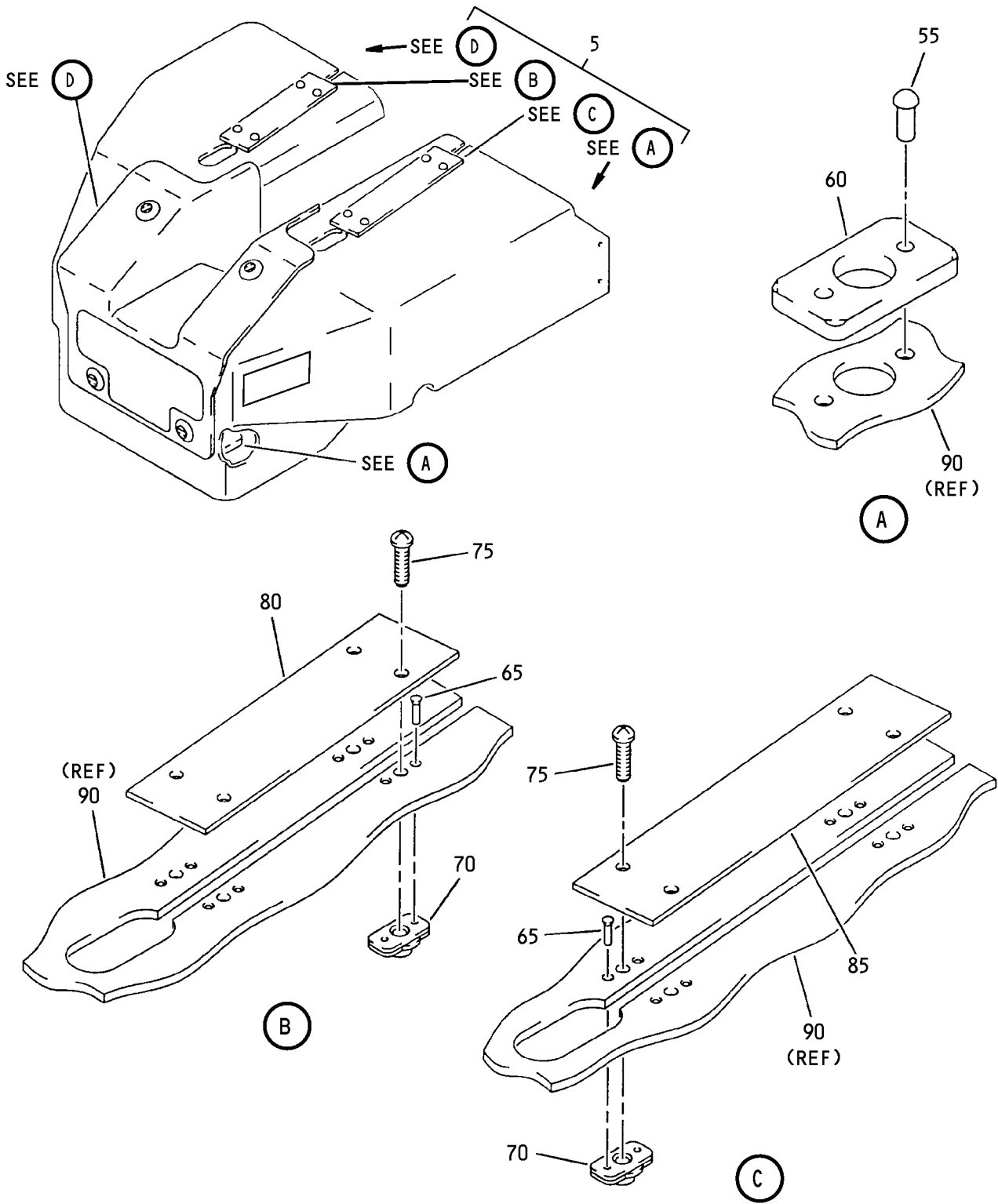
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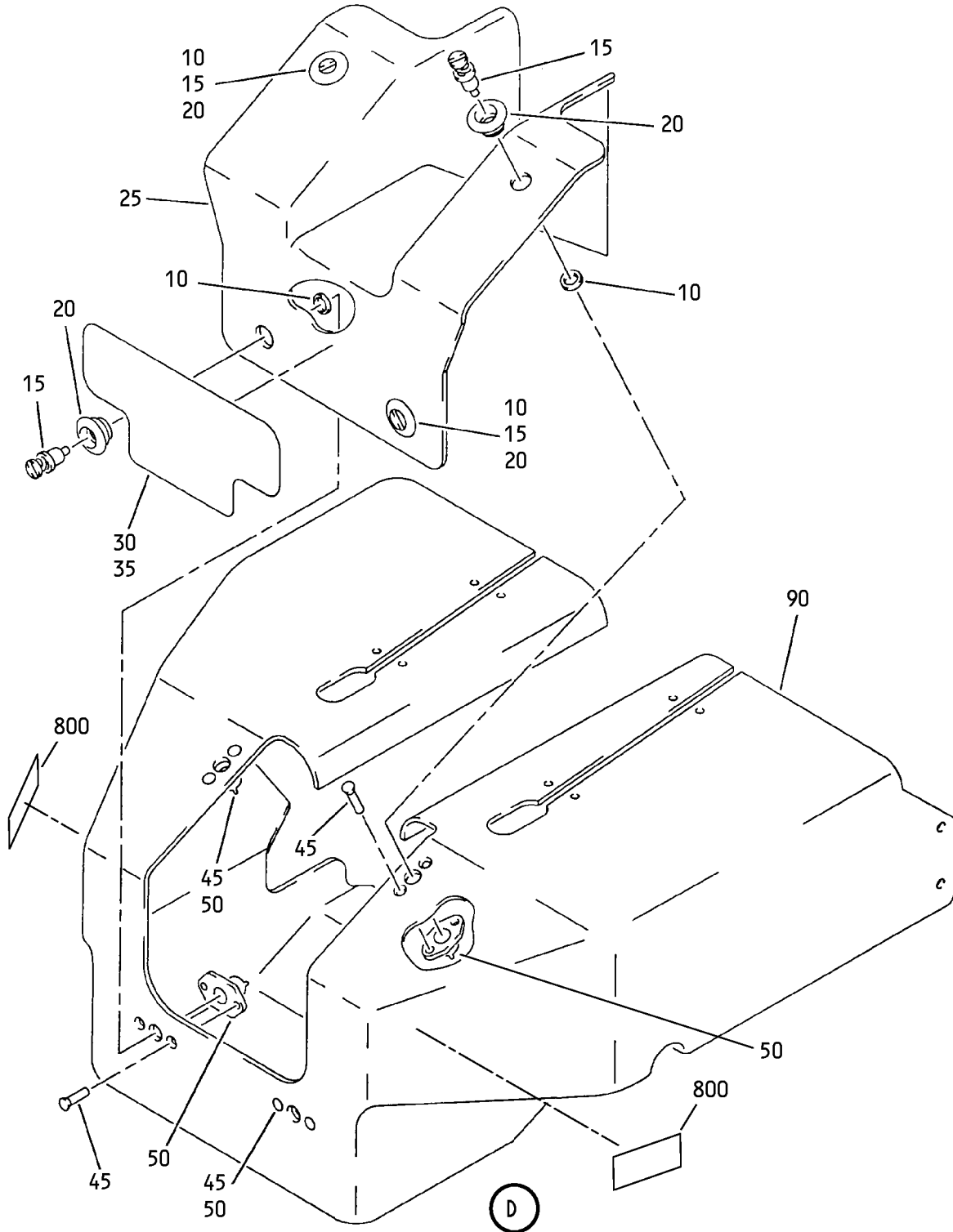
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COMPONENT MAINTENANCE MANUAL



Nose Wheel Steering Metering Valve Cover Assembly
IPL Figure 1 (Sheet 1 of 2)

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Nose Wheel Steering Metering Valve Cover Assembly
IPL Figure 1 (Sheet 2 of 2)

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FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1-											
-1A	65-44713-6									A	RF
-1B	65-44713-13									B	RF
-1C	65-44713-16									C	RF
-1D	65-44713-17									D	RF
-1E	65-44713-18									E	RF
-1F	65-44713-32									F	RF
-1G	65-44713-33									G	RF
-1H	65-44713-34									H	RF
-1J	65-44713-41									J	RF
-1K	65-44713-42									K	RF
-1L	65-44713-50									L	RF
-1M	65-44713-52									M	RF
-1N	65-44713-56									N	RF
-1P	65-44713-62									P	RF
-1Q	65-44713-63									Q	RF
5	65-44713-3									A, B	1
-5A	65-44713-14									C, D	1

-Item not Illustrated

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FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1-											
-5B	65-44713-26		.							E	1
-5C	65-44713-39		.							G	1
-5D	65-44713-43		.							K	1
-5E	65-44713-51		.							L, N, P	1
10	R4G		.	.						A-E, G, K, L, N, P	4
15	BACS21X8C		.	.						A-E, G, K, L, N, P	4
20	4002NS		.	.						A-E, G, K, L, N, P	4
25	65-44713-5		.	.						A, B	1
-25A	65-44713-15		.	.						C-E, G, K, L, N, P	1
30	BACM10W2ACF		.	.						A-D, G, K	1
35	BAC27DHY254		.	.						E	1
-40	65-44713-7		.							A	1
-40A	65-44713-12		.							B, D	1
-40B	65-44713-7		.							C	1
-40C	65-44713-19		.							C	1
-40D	65-44713-19		.							E	1
-40E	65-44713-35		.							G, K	1
-40F	65-44713-45		.							L	1
-40G	65-44713-57		.							N	1
-40H	65-44713-61		.							P	1
45	MS20426D4		.	.						A-E, G, K, L, N, P	8
50	40R18-1		.	.						A-E, G, K, L, N, P	4
55	BACR15BB4ACC		.	.						C, E	2

-Item not Illustrated

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FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1-											
60	69-71555-1		. .							C, E	1
65	MS20426A3		. .							A-E, G, K, L, N, P	16
70	BRFM20A3		. .							A-E, G, K, L, N, P	8
75	NAS603-8P		. .							A-E, G, K, L, N, P	8
80	65-44713-9		. .							A-E, G, K, L, N	1
-80A	65-44713-59		. .							P	1
85	65-44713-10		. .							A-E, G, K, L, N	1
-85A	65-44713-60		. .							P	1
90	65-44713-8		. .							A, C	1
-90A	65-44713-11		. .							B, D	1
-90B	65-44713-22		. .							C, E	1
-90C	65-44713-36		. .							G, K	1
-90D	65-44713-46		. .							L	1
-90E	65-44713-58		. .							N, P	1
800	BAC27DHY0312										2

-Item not Illustrated

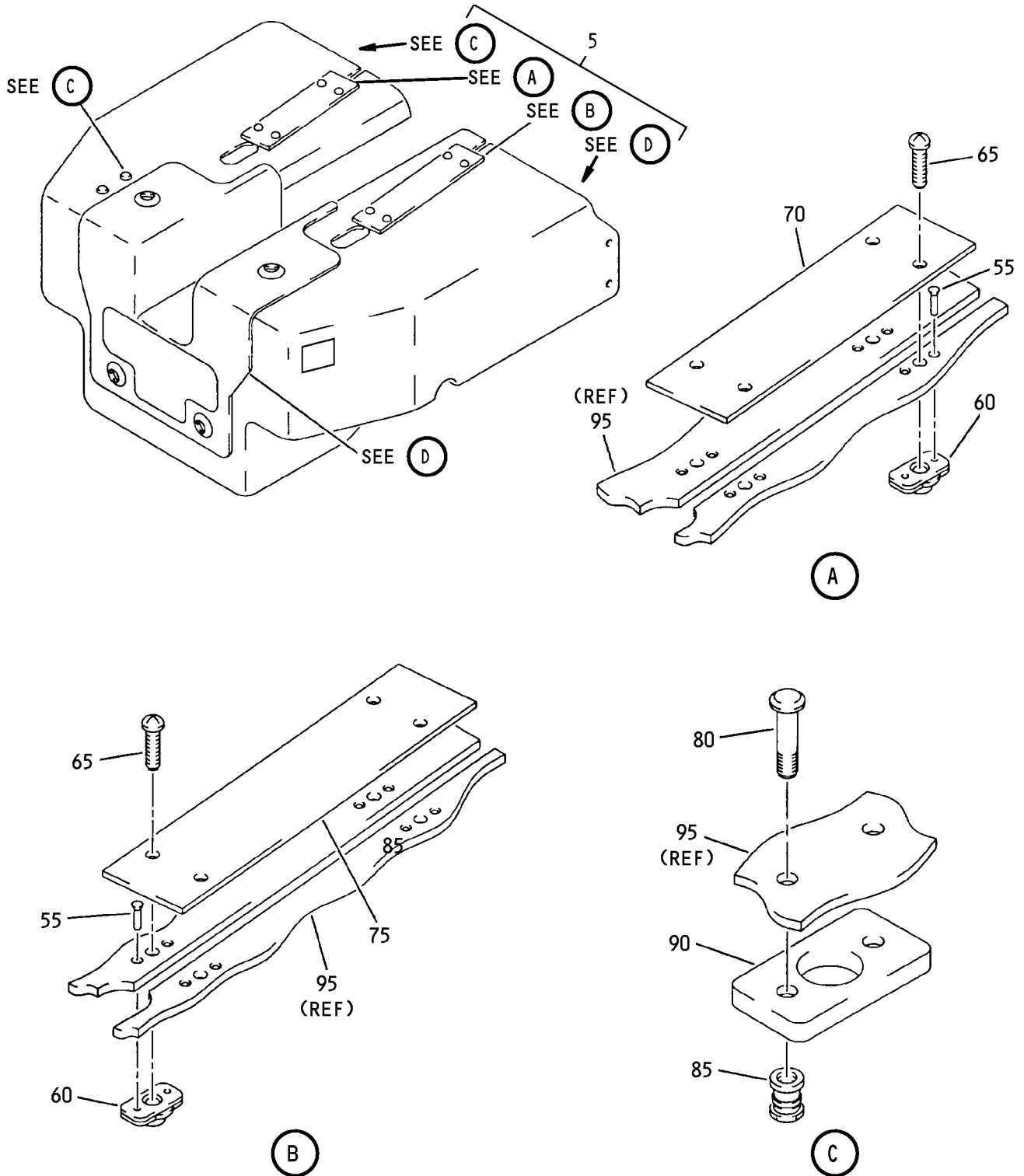
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Nose Wheel Steering Metering Valve Cover Assembly
IPL Figure 2 (Sheet 1 of 2)

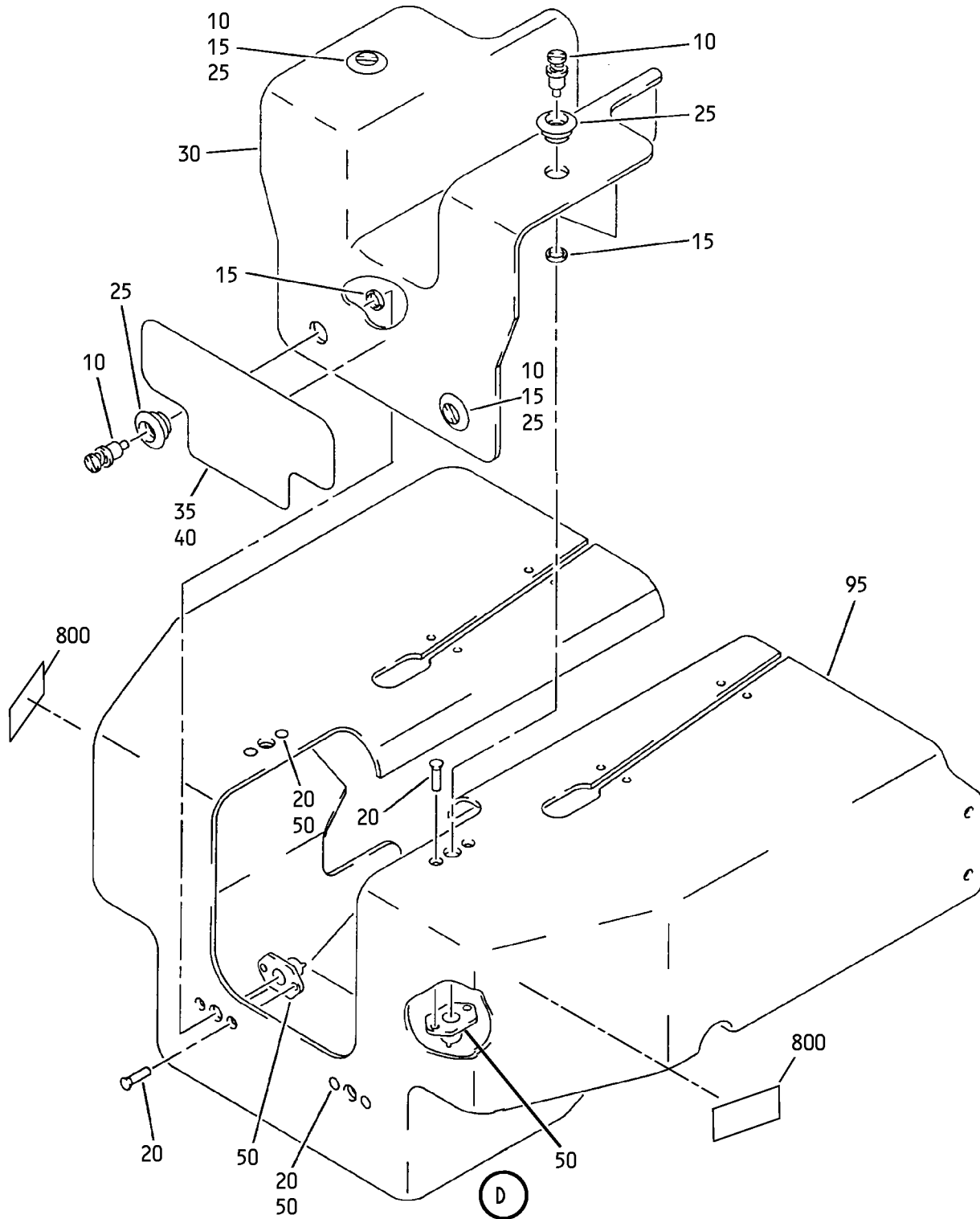
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Nose Wheel Steering Metering Valve Cover Assembly
IPL Figure 2 (Sheet 2 of 2)



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
2-											
-1A	65-44713-32									F	RF
-1B	65-44713-34									H	RF
-1C	65-44713-41									J	RF
5	65-44713-30									F, H	1
-5A	65-44713-40									J	1
10	BACS21X8C									F, H, J	4
15	R4G									F, H, J	4
20	MS20426D4									F, H, J	8
25	4002NS									F, H, J	4
30	65-44713-29									F, H, J	1
35	BAC27DHY254									F, H	1
40	BACM10W2ACF									J	1
-45	65-44713-27									F	1
-45A	65-44713-37									H, J	1
50	40R18-1									F, H, J	4
55	BACR15BA3A									F, H, J	16
60	NAS1068A3									F, H, J	8
65	NAS6603-8									F, H, J	8
70	65-44713-9									F, H, J	1
75	65-44713-10									F, H, J	1
80	BACB30NX4C									F, H, J	2
85	BACC30AJ4									F, H, J	2
90	69-71555-1									F, H, J	1

-Item not Illustrated

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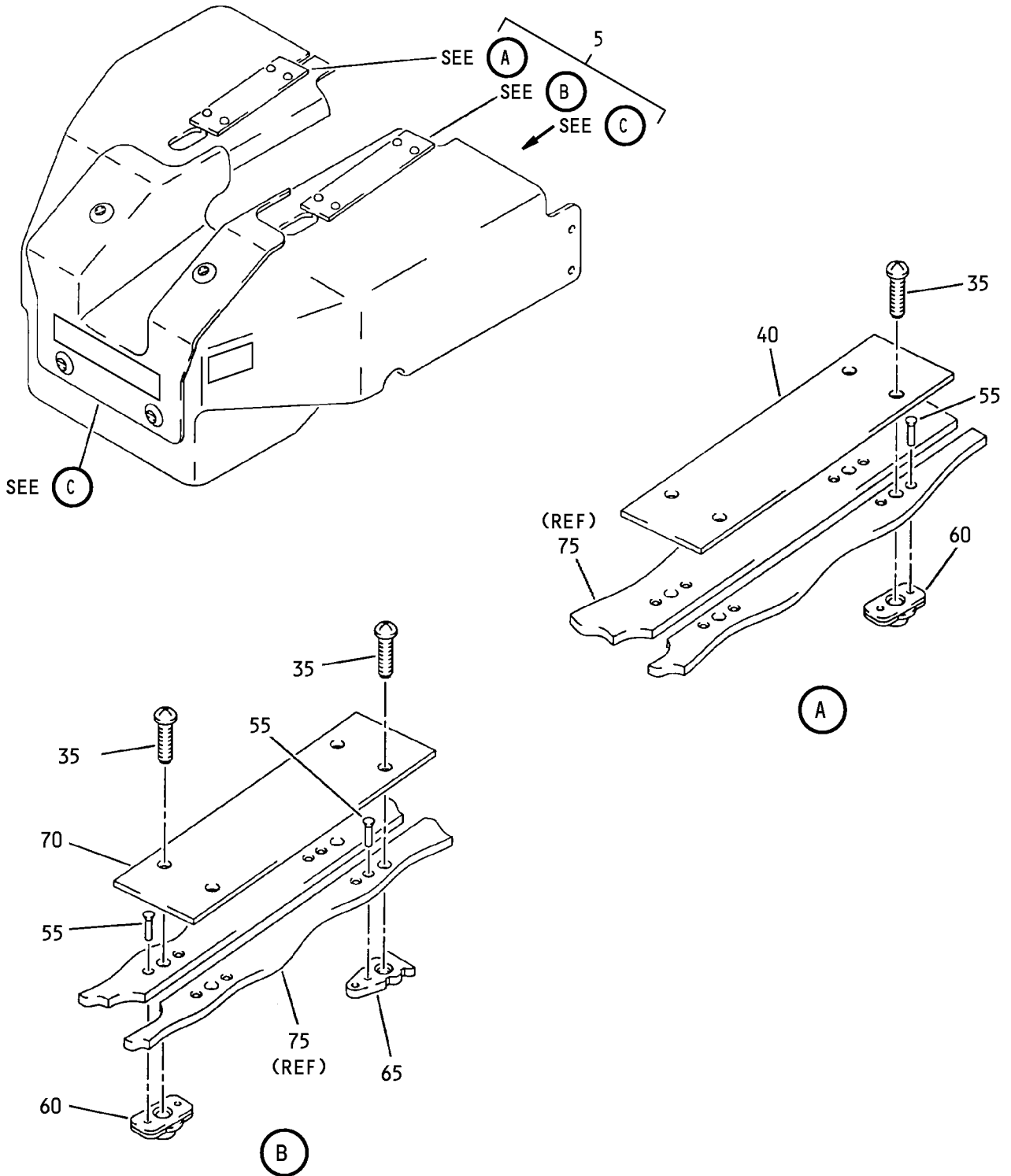
COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
2-											
95	65-44713-28									F	1
-95A	65-44713-38									H, J	1
800	BAC27DHY0312										2

-Item not Illustrated

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COMPONENT MAINTENANCE MANUAL



Nose Wheel Steering Metering Valve Cover Assembly
IPL Figure 3 (Sheet 1 of 2)

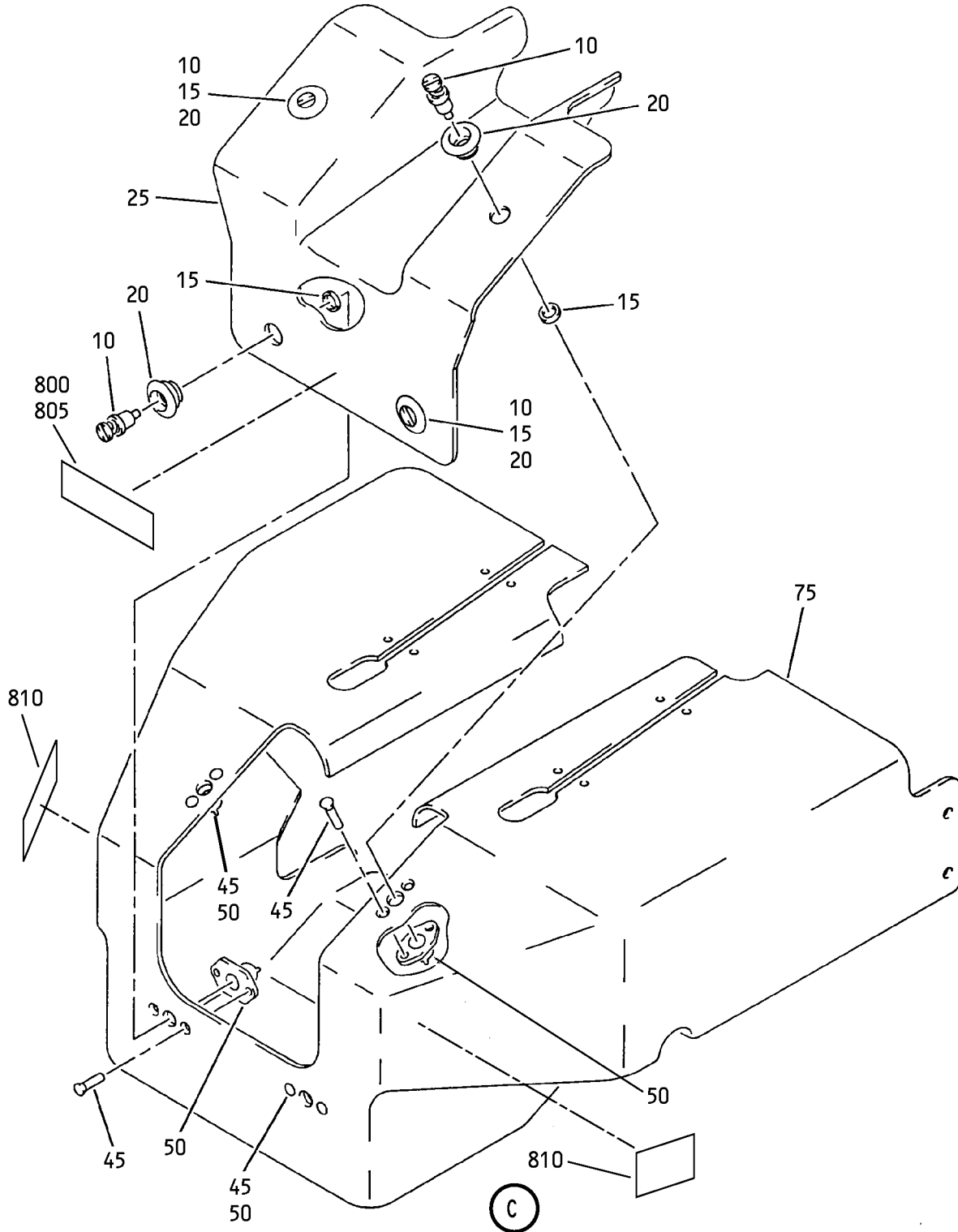
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Nose Wheel Steering Metering Valve Cover Assembly
IPL Figure 3 (Sheet 2 of 2)

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FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
3-											
-1A	65-44713-52									M	RF
-1B	65-44713-63									Q	RF
5	65-44713-47									M, Q	1
10	BACS21X8C									M, Q	4
15	R4G									M, Q	4
20	4002NS									M, Q	4
25	65-44713-48									M, Q	1
-30	65-44713-53									M	1
-30A	65-44713-64									Q	1
35	NAS603-8P									M, Q	8
40	65-44713-9									M, Q	1
45	MS2042604									M, Q	8
50	40R18-1									M, Q	4
55	MS20426A3									M, Q	16
60	BRFM20A3									M, Q	6

-Item not Illustrated

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FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY	
			1	2	3	4	5	6	7			
3- 65	BR1000A3		. .								M, Q	2
70	65-44713-55		. .								M, Q	1
75	65-44713-54		. .								M	1
-75A	65-44713-65		. .								Q	1
800	BAC27DHY0301											1
805	BACM10W2ACF											1
810	BAC27DHY0312											2

-Item not Illustrated

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