



**COMPONENT MAINTENANCE  
MANUAL  
WITH  
ILLUSTRATED PARTS LIST**

**RAM AIR INLET PANEL ASSEMBLY**

**PART NUMBER  
213A3170-5**

**BOEING PROPRIETARY, CONFIDENTIAL, AND/OR TRADE SECRET**

Copyright © 1995 The Boeing Company  
Unpublished Work - All Rights Reserved

Boeing claims copyright in each page of this document only to the extent that the page contains copyrightable subject matter. Boeing also claims copyright in this document as a compilation and/or collective work.

This document includes proprietary information owned by The Boeing Company and/or one or more third parties. Treatment of the document and the information it contains is governed by contract with Boeing. For more information, contact The Boeing Company, P.O. Box 3707, Seattle, Washington 98124.

Boeing, the Boeing signature, the Boeing symbol, 707, 717, 727, 737, 747, 757, 767, 777, 787, Dreamliner, BBJ, DC-8, DC-9, DC-10, KC-10, KDC-10, MD-10, MD-11, MD-80, MD-88, MD-90, P-8A, Poseidon and the Boeing livery are all trademarks owned by The Boeing Company; and no trademark license is granted in connection with this document unless provided in writing by Boeing.

PUBLISHED BY BOEING COMMERCIAL AIRPLANES GROUP, SEATTLE, WASHINGTON, USA  
A DIVISION OF THE BOEING COMPANY  
PAGE DATE: Jul 01/2009

**21-53-03**

Page 1  
Jul 01/2009



## COMPONENT MAINTENANCE MANUAL

Revision No. 8  
Jul 01/2009

To: All holders of RAM AIR INLET PANEL ASSEMBLY 21-53-03.

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

IF YOU RECEIVE PRINTED REVISIONS, PLEASE VERIFY THAT YOU HAVE RECEIVED AND FILED THE PREVIOUS REVISION. BOEING MUST BE NOTIFIED WITHIN 30 DAYS IF YOU HAVE NOT RECEIVED THE PREVIOUS REVISION. REQUESTS FOR REVISIONS OTHER THAN THE PREVIOUS REVISION WILL REQUIRE A COMPLETE MANUAL REPRINT SUBJECT TO REPRINT CHARGES SHOWN IN THE DATA AND SERVICES CATALOG.

# 21-53-03

TRANSMITTAL LETTER

Page 1

Jul 01/2009



## COMPONENT MAINTENANCE MANUAL

Location of Change

Description of Change

NO HIGHLIGHTS

**21-53-03**

HIGHLIGHTS

Page 1

Jul 01/2009



## COMPONENT MAINTENANCE MANUAL

Subject/Page	Date	Subject/Page	Date	Subject/Page	Date
TITLE PAGE		21-53-03 CLEANING (cont)			
O 1	Jul 01/2009	402	BLANK		
2	BLANK	21-53-03 CHECK			
21-53-03 TRANSMITTAL LETTER		501	Mar 01/2006		
O 1	Jul 01/2009	502	BLANK		
2	BLANK	21-53-03 REPAIR - GENERAL			
21-53-03 HIGHLIGHTS		601	Mar 01/2006		
O 1	Jul 01/2009	602	Mar 01/2006		
2	BLANK	21-53-03 REPAIR 1-1			
21-53-03 EFFECTIVE PAGES		601	Mar 01/2006		
1	Jul 01/2009	602	BLANK		
2	BLANK	21-53-03 REPAIR 2-1			
21-53-03 CONTENTS		601	Jul 01/2008		
1	Mar 01/2006	602	Mar 01/2006		
2	BLANK	21-53-03 ASSEMBLY			
21-53-03 TR AND SB RECORD		701	Mar 01/2006		
1	Mar 01/2006	702	BLANK		
2	BLANK	21-53-03 FITS AND CLEARANCES			
21-53-03 REVISION RECORD		801	Mar 01/2006		
1	Mar 01/2006	802	BLANK		
2	Mar 01/2006	21-53-03 SPECIAL TOOLS, FIXTURES, AND EQUIPMENT			
21-53-03 RECORD OF TEMPORARY REVISIONS		901	Mar 01/2006		
1	Mar 01/2006	902	BLANK		
2	Mar 01/2006	21-53-03 ILLUSTRATED PARTS LIST			
21-53-03 INTRODUCTION		1001	Nov 01/2008		
1	Mar 01/2009	1002	Jul 01/2006		
2	BLANK	1003	Mar 01/2006		
21-53-03 DESCRIPTION AND OPERATION		1004	Nov 01/2006		
1	Mar 01/2006	1005	Nov 01/2006		
2	Mar 01/2006	1006	Nov 01/2006		
21-53-03 TESTING AND FAULT ISOLATION		1007	Mar 01/2006		
101	Mar 01/2006	1008	BLANK		
102	BLANK				
21-53-03 DISASSEMBLY					
301	Mar 01/2006				
302	BLANK				
21-53-03 CLEANING					
401	Mar 01/2006				

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

# 21-53-03

EFFECTIVE PAGES

Page 1

Jul 01/2009

**COMPONENT MAINTENANCE MANUAL****TABLE OF CONTENTS**

<b><u>Paragraph Title</u></b>		<b><u>Page</u></b>
RAM AIR INLET PANEL ASSEMBLY - DESCRIPTION AND OPERATION		1
TESTING AND FAULT ISOLATION	(Not Applicable)	
DISASSEMBLY		301
CLEANING		401
CHECK		501
REPAIR		601
ASSEMBLY		701
FITS AND CLEARANCES	(Not Applicable)	
SPECIAL TOOLS, FIXTURES, AND EQUIPMENT	(Not Applicable)	
ILLUSTRATED PARTS LIST		1001

**21-53-03**

CONTENTS

Page 1

Mar 01/2006















## 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.

# 21-53-03

INTRODUCTION

Page 1

Mar 01/2009



## COMPONENT MAINTENANCE MANUAL

### RAM AIR INLET PANEL ASSEMBLY - DESCRIPTION AND OPERATION

#### 1. Description

- A. The ram air inlet panel assembly is made of an aluminum panel, on which are mounted two clevis assemblies and a hinge assembly.

#### 2. Operation

- A. The ram air inlet is in the wing-to-body fairing, forward of the air-conditioning compartments. The panel assembly attaches to airplane structure near the entrance to the ram air inlet.
- B. The panel assembly is mechanically linked to a set of air flow modulation panels. An actuator moves the linkage to adjust the position of the panels.
- C. When the airplane is on the ground, the panel extends to make sure that unwanted material does not go into the inlet. When the airplane is in the air, the panel retracts to permit free air flow.

#### 3. Leading Particulars (Approximate)

- A. Length – 7 inches
- B. Width – 15 inches
- C. Height – 1 inch
- D. Weight – 1 pound

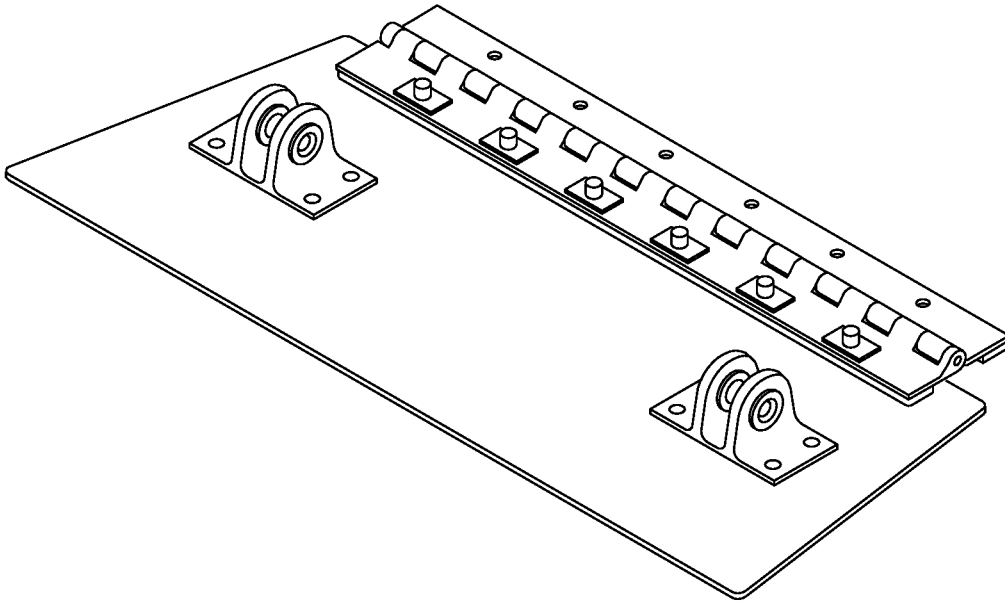
# 21-53-03

DESCRIPTION AND OPERATION

Page 1

Mar 01/2006

COMPONENT MAINTENANCE MANUAL



Ram Air Inlet Panel Assembly  
Figure 1

**21-53-03**

DESCRIPTION AND OPERATION

Page 2

Mar 01/2006



**COMPONENT MAINTENANCE MANUAL**

**TESTING AND FAULT ISOLATION**

**(NOT APPLICABLE)**

**21-53-03**

TESTING AND FAULT ISOLATION

Page 101

Mar 01/2006



## COMPONENT MAINTENANCE MANUAL

### DISASSEMBLY

#### 1. General

- A. This procedure has the data necessary to disassemble the ram air inlet panel assembly (1B).
- 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 IPL Figure 1 for item numbers.

#### 2. Disassembly

##### A. Procedure

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

**NOTE:** Do not remove the clevis assembly (60) or disassemble the hinge assembly (15A) unless necessary for repair or replacement.

# 21-53-03

DISASSEMBLY

Page 301

Mar 01/2006



## COMPONENT MAINTENANCE MANUAL

### CLEANING

#### 1. General

- A. This procedure has the data necessary to clean the ram air inlet panel assembly (1B).
- 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

- (1) Clean all parts by standard industry procedures and the instructions in SOPM 20-30-03.

# 21-53-03

CLEANING

Page 401

Mar 01/2006





## COMPONENT MAINTENANCE MANUAL

### CHECK

#### 1. General

- A. This procedure has the data to find defects in the specified parts.
- 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. Check

##### A. References

Reference	Title
SOPM 20-20-02	PENETRANT METHODS OF INSPECTION

##### B. Procedure

- (1) Use standard industry procedures to do a visual check of all the parts for defects. Do the penetrant check if the visual check shows possible damage on the parts listed below:
- (2) Do a penetrant check (SOPM 20-20-02) of these parts:
  - (a) Clevis (75)

# 21-53-03

CHECK  
Page 501  
Mar 01/2006



## 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
213A3120	CLEVIS ASSEMBLY	2-1

#### 2. Dimensioning Symbols

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

# 21-53-03

REPAIR - GENERAL

Page 601

Mar 01/2006



## COMPONENT MAINTENANCE MANUAL

—	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 ON OTHER DIMENSIONS OR
≡	SYMMETRY		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

$\boxed{\text{—}} \boxed{0.002}$	STRAIGHT WITHIN 0.002	$\boxed{\text{◎}} \boxed{\text{∅}} \boxed{0.0005} \boxed{C}$	CONCENTRIC TO DATUM C WITHIN 0.0005 DIAMETER
$\boxed{\text{⊥}} \boxed{0.002} \boxed{B}$	PERPENDICULAR TO DATUM B WITHIN 0.002	$\boxed{\text{≡}} \boxed{0.010} \boxed{A}$	SYMMETRICAL WITH DATUM A WITHIN 0.010
$\boxed{\text{//}} \boxed{0.002} \boxed{A}$	PARALLEL TO DATUM A WITHIN 0.002	$\boxed{\text{∠}} \boxed{0.005} \boxed{A}$	ANGULAR TOLERANCE 0.005 WITH DATUM A
$\boxed{\text{○}} \boxed{0.002}$	ROUND WITHIN 0.002	$\boxed{\text{⊕}} \boxed{\text{∅}} \boxed{0.002} \boxed{\text{Ⓢ}} \boxed{B}$	LOCATED AT TRUE POSITION WITHIN 0.002 DIA RELATIVE TO DATUM B, REGARDLESS OF FEATURE SIZE
$\boxed{\text{⊘}} \boxed{0.010}$	CYLINDRICAL SURFACE MUST LIE BETWEEN TWO CONCENTRIC CYLINDERS, ONE OF WHICH HAS A RADIUS 0.010 INCH GREATER THAN THE OTHER	$\boxed{\text{⊥}} \boxed{\text{∅}} \boxed{0.010} \boxed{\text{Ⓜ}} \boxed{A}$	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
$\boxed{\text{⌒}} \boxed{0.006} \boxed{A}$	EACH LINE ELEMENT OF THE SURFACE AT ANY CROSS SECTION MUST LIE BETWEEN TWO PROFILE BOUNDARIES 0.006 INCH APART RELATIVE TO DATUM A	$\boxed{0.510} \boxed{\text{Ⓟ}}$	
$\boxed{\text{⌒}} \boxed{0.020} \boxed{A}$	SURFACES MUST LIE WITHIN PARALLEL BOUNDARIES 0.020 INCH APART AND EQUALLY DISPOSED ABOUT TRUE PROFILE	$\boxed{2.000}$	THEORETICALLY EXACT DIMENSION IS 2.000
		OR	
		2.000	
		BSC	

True Position Dimensioning Symbols  
Figure 601

# 21-53-03

REPAIR - GENERAL

Page 602

Mar 01/2006



## 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 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
C00175	Primer - Urethane Compatible, Corrosion Resistant (Less Than 1% Aromatic Amines)	BMS10-79, Type III
C00259	Primer - Chemical And Solvent Resistant Finish, Epoxy Resin	BMS10-11, 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 20-60-02	FINISHING MATERIALS

##### C. General

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

##### D. 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) Refer to REPAIR 1-1, Table 601 for refinish details:

**Table 601:** Refinish Details

IPL FIG. & ITEM	MATERIAL	FINISH
IPL Fig. 1		
Spacer (35A)	Aluminum alloy	Anodize (F-17.31) and apply primer, C00259 (F-20.03).
Hinge half (53,54)	Aluminum alloy	Anodize (F-17.03) and apply primer, C00175 (F-19.47).
Clevis (75)	Aluminum alloy	Anodize (F-17.31) and apply primer, C00259 (F-20.03), but do not apply primer in the bushing bores.
Panel (80A)	Aluminum alloy	Anodize (F-17.31) and apply primer, C00175 (F-19.47).

# 21-53-03

REPAIR 1-1

Page 601

Mar 01/2006



## COMPONENT MAINTENANCE MANUAL

### CLEVIS ASSEMBLY - REPAIR 2-1

213A3120-1

#### 1. General

- A. This procedure has the data necessary to repair the clevis assembly (60).
- 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. 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 20-50-03	BEARING AND BUSHING REPLACEMENT
SOPM 20-60-04	MISCELLANEOUS MATERIALS

- C. Procedure

**NOTE:** For miscellaneous materials, refer to SOPM 20-60-04.

- (1) Remove the bushings (65, 70) from the clevis assembly (60).
- (2) Install replacement bushings (65) with sealant, A00247. Use the shrink-fit procedure (SOPM 20-50-03).
- (3) Machine the bushing (65) ID to the dimensions and finish shown in REPAIR 2-1, Figure 601.
- (4) Install replacement bushings (70) with sealant, A00247. Use the shrink-fit procedure (SOPM 20-50-03).
- (5) Make sure that the ID of the bushing (70) is not smaller than 0.2500 inch. If necessary, machine the liner in the bushing a maximum of 0.0016 inch diametrically to get the minimum ID.

**NOTE:** The liner must stay continuous on the bushing ID, without gaps or holes.

#### 3. Clevis Refinish

- A. Refer to REPAIR 1-1 for the refinish procedures for the clevis (75).

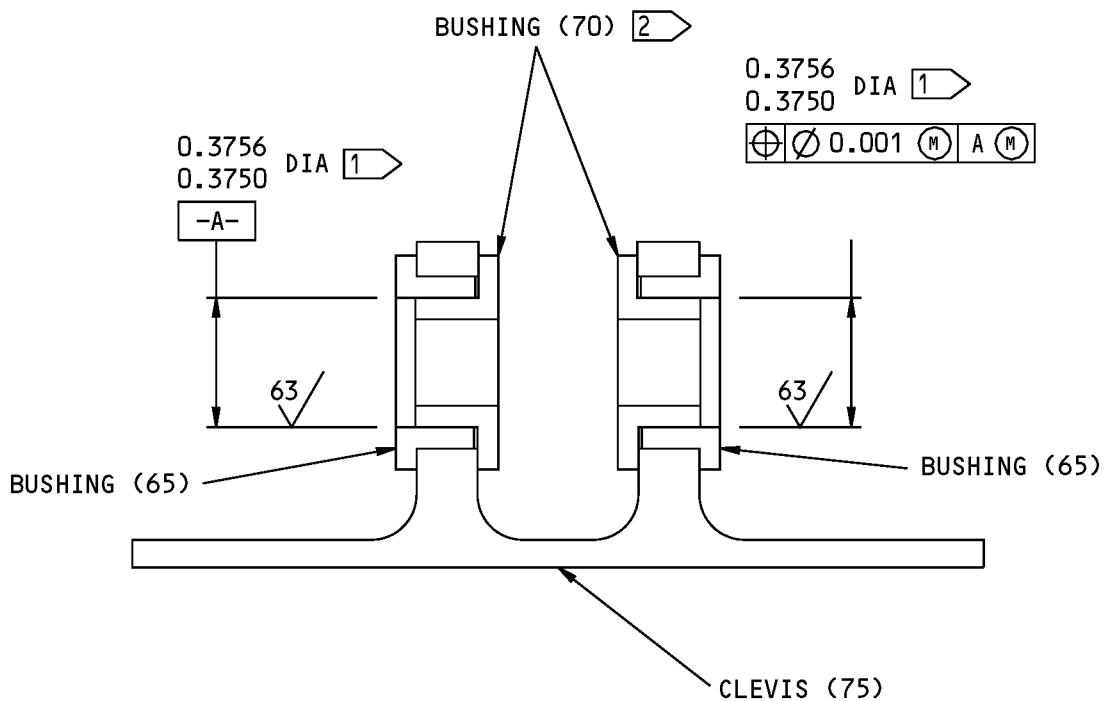
# 21-53-03

REPAIR 2-1

Page 601

Jul 01/2008

COMPONENT MAINTENANCE MANUAL



- 1 MACHINE 2 COAXIAL HOLES AFTER BUSHING (65) INSTALLATION.
- 2 MACHINE TO GET 0.2500 MINIMUM I.D. IF NECESSARY.

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

213A3120-1 Clevis Assembly - Bushing Replacement  
Figure 601

**21-53-03**

REPAIR 2-1  
Page 602  
Mar 01/2006



## COMPONENT MAINTENANCE MANUAL

### ASSEMBLY

#### 1. General

- A. This procedure has the data necessary to assemble the ram air inlet panel assembly (1B).
- B. Refer to the Standard Overhaul Practices Manual (SOPM) for the SOPM subjects identified in this procedure.

#### 2. Assembly

##### A. References

<u>Reference</u>	<u>Title</u>
SOPM 20-50-01	BOLT AND NUT INSTALLATION

##### B. Procedure

- (1) Use standard industry procedures. Tighten fasteners to standard torques (SOPM 20-50-01).

# 21-53-03

ASSEMBLY

Page 701

Mar 01/2006



**COMPONENT MAINTENANCE MANUAL**

**FITS AND CLEARANCES**

**(NOT APPLICABLE)**

**21-53-03**

FITS AND CLEARANCES

Page 801

Mar 01/2006





COMPONENT MAINTENANCE MANUAL

SPECIAL TOOLS, FIXTURES, AND EQUIPMENT

**(NOT APPLICABLE)**

**21-53-03**

SPECIAL TOOLS, FIXTURES, AND EQUIPMENT

Page 901

Mar 01/2006



## 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

# 21-53-03

ILLUSTRATED PARTS LIST

Page 1001

Nov 01/2008



## 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.

**21-53-03**

ILLUSTRATED PARTS LIST

Page 1002

Jul 01/2006



## COMPONENT MAINTENANCE MANUAL

### NUMERICAL INDEX

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
213A3120-1		1	60	2
213A3121-1		1	75	1
213A3170-5		1	1B	RF
213A3171-3		1	80A	1
213A3175-5		1	15A	1
213A3177-3		1	35A	2
213A3189-1		1	51	1
213A3189-2		1	53	1
213A3189-3		1	54	1
BACB28AT06D017C		1	65	2
BACB28AV04B018A		1	70	2
BACB30NN3K5		1	10	6
BACN10JN3CD		1	25	6
BACR15BA3AD		1	20A	12
BACR15BA4AD		1	30A	9
BACR15BA5AD		1	55	8
MS20253P4-1115L		1	52	1

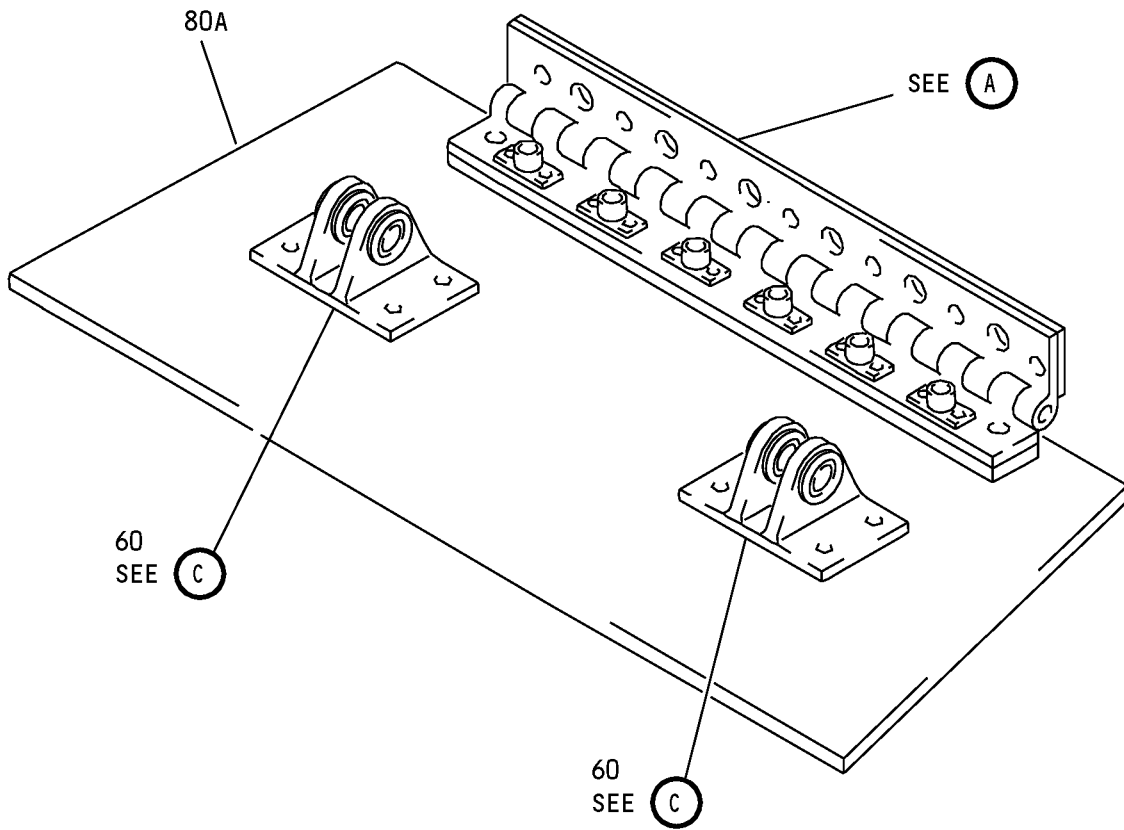
# 21-53-03

ILLUSTRATED PARTS LIST

Page 1003

Mar 01/2006

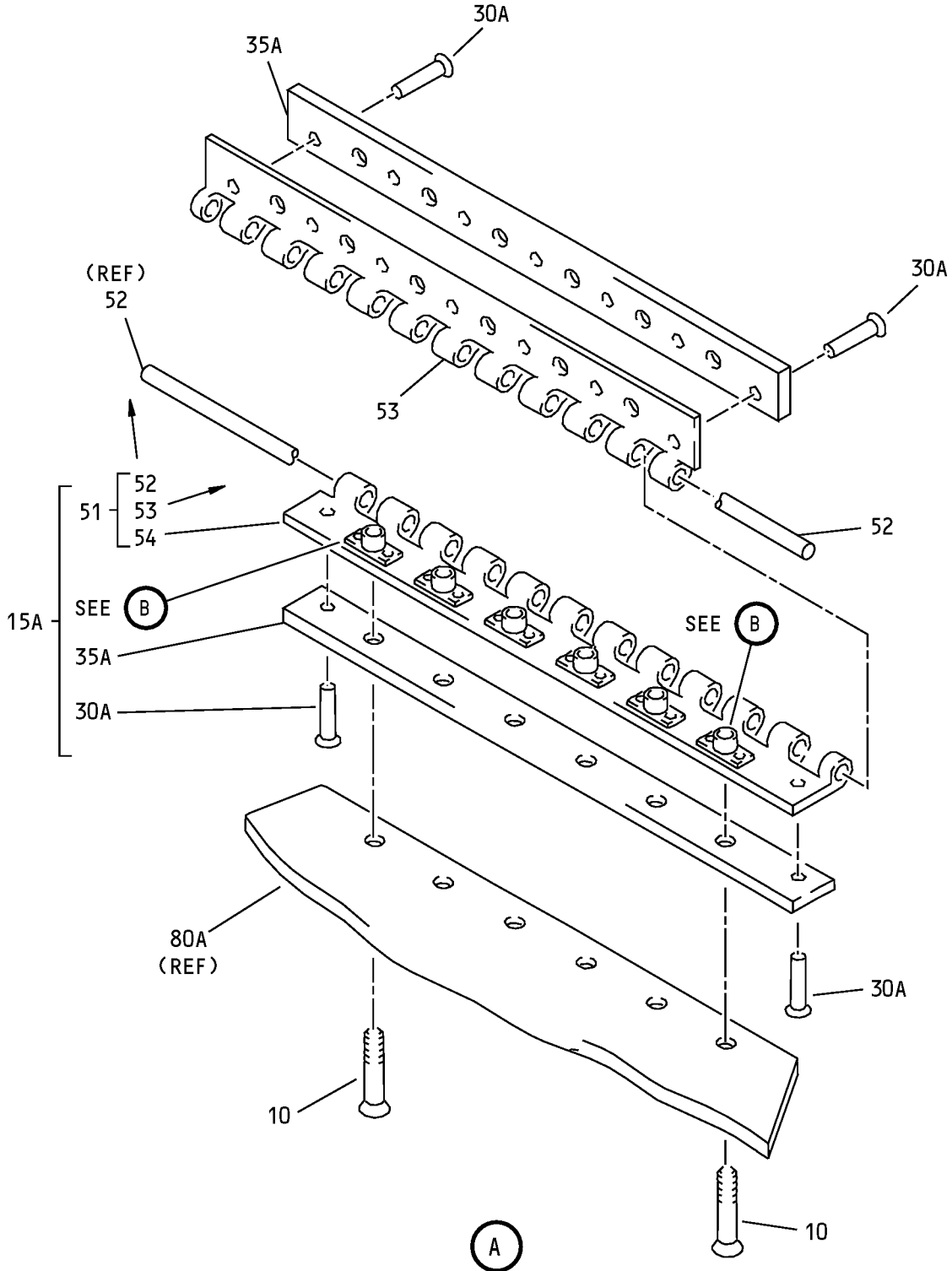
COMPONENT MAINTENANCE MANUAL



Ram Air Inlet Panel Assembly  
IPL Figure 1 (Sheet 1 of 3)

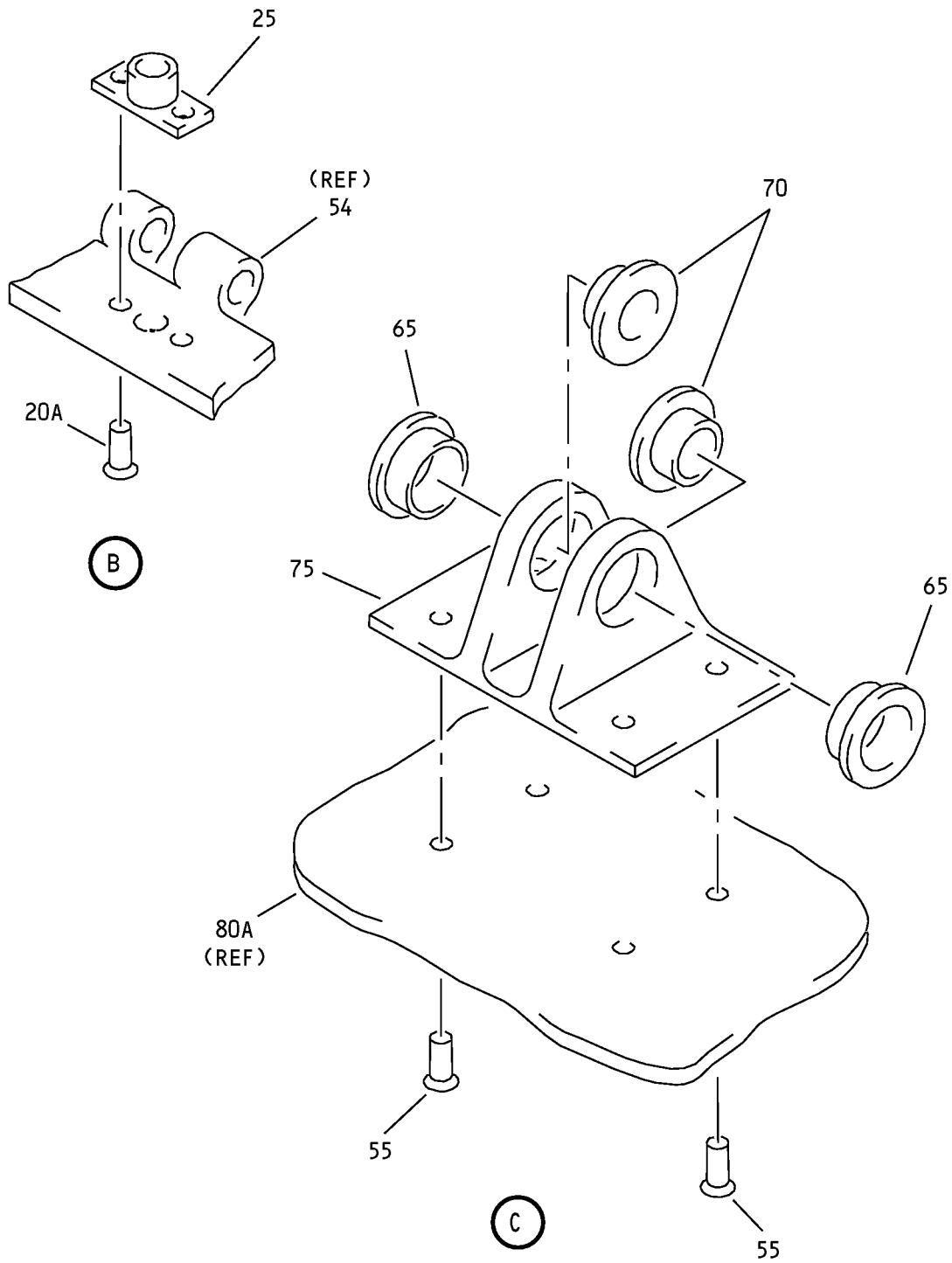
**21-53-03**  
ILLUSTRATED PARTS LIST  
Page 1004  
Nov 01/2006

COMPONENT MAINTENANCE MANUAL



Ram Air Inlet Panel Assembly  
IPL Figure 1 (Sheet 2 of 3)

COMPONENT MAINTENANCE MANUAL



Ram Air Inlet Panel Assembly  
IPL Figure 1 (Sheet 3 of 3)



## COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1-											
1A	213A3170-3										
-1B	213A3170-5										RF
5	213A3170-4										
10	BACB30NN3K5										6
15	213A3175-3										
15A	213A3175-5										1
20	BACR15BA3DD										
20A	BACR15BA3AD										12
25	BACN10JN3CD										6
30	BACR15BA4DD										
30A	BACR15BA4AD										9
35	213A3177-2										
35A	213A3177-3										2
40	213A3175-4										
45	213A3176-3										
50	213A3176-4										
51	213A3189-1										1
52	MS20253P4-1115L										1
53	213A3189-2										1
54	213A3189-3										1
55	BACR15BA5AD										8
60	213A3120-1										2
65	BACB28AT06D017C										2
70	BACB28AV04B018A										2
75	213A3121-1										1
80	213A3171-1										
80A	213A3171-3										1

-Item not Illustrated

# 21-53-03

ILLUSTRATED PARTS LIST

Page 1007

Mar 01/2006