



COMPONENT MAINTENANCE MANUAL WITH ILLUSTRATED PARTS LIST

MAIN LANDING GEAR INSTALLATION COMPONENTS

PART NUMBER

**161A0101-1, 161A1191-1, -2, -3, 161A1192-1, -3, -5,
-7, 161A2125-2, -4, 161A2318-1, -2, 161A2330-1, -2,
-3, -4, -5, -6, 161A2331-1, -2, 161A2332-1, -2, -3,**

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Unpublished Work - All Rights Reserved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

32-11-09

Page 1
Jul 01/2009



COMPONENT MAINTENANCE MANUAL

PART NUMBER (Cont.)

161A2333
161A2333-1

32-11-09

Page 2
Jul 01/2009

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



COMPONENT MAINTENANCE MANUAL

Revision No. 13
Jul 01/2009

To: All holders of MAIN LANDING GEAR INSTALLATION COMPONENTS 32-11-09.

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.

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.

32-11-09
TRANSMITTAL LETTER
Page 1
Jul 01/2009

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



COMPONENT MAINTENANCE MANUAL

Location of Change

32-11-09

REPAIR 3-1

ILLUSTRATED PARTS LIST

Description of Change

Added clarification to the end chamfer on pins 161A1192-series.

Changed the data in the NUMERICAL INDEX list.

Added explanation of the direction of pin 162A1192-series.

32-11-09

HIGHLIGHTS

Page 1

Jul 01/2009



COMPONENT MAINTENANCE MANUAL

Subject/Page	Date	Subject/Page	Date	Subject/Page	Date
TITLE PAGE		32-11-09 REPAIR - GENERAL		32-11-09 REPAIR 7-1 (cont)	
O 1	Jul 01/2009	601	Jul 01/2008	605	Jul 01/2008
O 2	Jul 01/2009	602	Mar 01/2006	606	BLANK
32-11-09 TRANSMITTAL LETTER		32-11-09 REPAIR 1-1		32-11-09 REPAIR 8-1	
O 1	Jul 01/2009	601	Nov 01/2008	601	Jul 01/2008
2	BLANK	602	BLANK	602	Mar 01/2006
32-11-09 HIGHLIGHTS		32-11-09 REPAIR 2-1		603	Jul 01/2008
O 1	Jul 01/2009	601	Jul 01/2008	604	BLANK
2	BLANK	602	Mar 01/2006	32-11-09 ASSEMBLY	
32-11-09 EFFECTIVE PAGES		603	Jul 01/2008	701	Mar 01/2006
1 thru 2	Jul 01/2009	604	Jul 01/2008	702	BLANK
32-11-09 CONTENTS		32-11-09 REPAIR 3-1		32-11-09 FITS AND CLEARANCES	
1	Mar 01/2006	R 601	Jul 01/2009	801	Mar 01/2006
2	BLANK	602	Jul 01/2008	802	BLANK
32-11-09 TR AND SB RECORD		603	Jul 01/2007	32-11-09 SPECIAL TOOLS, FIXTURES, AND EQUIPMENT	
1	Jul 01/2008	R 604	Jul 01/2009	901	Mar 01/2006
2	BLANK	605	Jul 01/2007	902	BLANK
32-11-09 REVISION RECORD		606	Jul 01/2007	32-11-09 ILLUSTRATED PARTS LIST	
1	Mar 01/2006	32-11-09 REPAIR 4-1		1001	Nov 01/2008
2	Mar 01/2006	601	Nov 01/2006	1002	Jul 01/2006
32-11-09 RECORD OF TEMPORARY REVISIONS		602	Mar 01/2006	R 1003	Jul 01/2009
1	Mar 01/2006	603	Mar 01/2006	1004	Nov 01/2008
2	Mar 01/2006	604	Mar 01/2006	1005	Jul 01/2008
32-11-09 INTRODUCTION		32-11-09 REPAIR 5-1		1006	Jul 01/2008
1	Mar 01/2009	601	Jul 01/2008	R 1007	Jul 01/2009
2	BLANK	602	Mar 01/2006	1008	Nov 01/2008
32-11-09 TESTING AND FAULT ISOLATION		603	Jul 01/2008	1009	Jul 01/2008
101	Mar 01/2006	604	Jul 01/2008	1010	Jul 01/2008
102	BLANK	605	Jul 01/2008	1011	Nov 01/2008
32-11-09 DISASSEMBLY		606	BLANK	1012	Jul 01/2008
301	Mar 01/2006	32-11-09 REPAIR 6-1		1013	Nov 01/2008
302	BLANK	601	Jul 01/2008	1014	Jul 01/2008
32-11-09 CLEANING		602	Jul 01/2008	1015	Nov 01/2006
401	Mar 01/2006	603	Jul 01/2008	1016	Jul 01/2008
402	BLANK	604	Jul 01/2008	1017	Mar 01/2006
32-11-09 CHECK		32-11-09 REPAIR 7-1		1018	Jul 01/2008
501	Jul 01/2008	601	Jul 01/2008	1019	Mar 01/2006
502	BLANK	602	Jul 01/2008	1020	Jul 01/2008
		603	Nov 01/2006	1021	Mar 01/2006
		604	Jul 01/2008		

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

32-11-09

EFFECTIVE PAGES

Page 1

Jul 01/2009



COMPONENT MAINTENANCE MANUAL

Subject/Page	Date	Subject/Page	Date	Subject/Page	Date
32-11-09 ILLUSTRATED PARTS LIST (cont)					
1022	Jul 01/2008				
1023	Mar 01/2006				
1024	BLANK				

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

32-11-09

EFFECTIVE PAGES

Page 2

Jul 01/2009



COMPONENT MAINTENANCE MANUAL

TABLE OF CONTENTS

<u>Paragraph Title</u>		<u>Page</u>
TESTING AND FAULT ISOLATION	(Not Applicable)	
DISASSEMBLY	(Not Applicable)	
CLEANING	(Not Applicable)	
CHECK		501
REPAIR		601
ASSEMBLY	(Not Applicable)	
FITS AND CLEARANCES	(Not Applicable)	
SPECIAL TOOLS, FIXTURES, AND EQUIPMENT	(Not Applicable)	
ILLUSTRATED PARTS LIST		1001

32-11-09

CONTENTS

Page 1

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

TEMPORARY REVISION AND SERVICE BULLETIN RECORD

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVE	DATE OF INCORPORATION INTO MANUAL
		PRR 3800A-3	JUL 01/08

32-11-09

TR AND SB RECORD

Page 1

Jul 01/2008



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

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details



COMPONENT MAINTENANCE MANUAL

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

32-11-09

REVISION RECORD

Page 2

Mar 01/2006



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

32-11-09

RECORD OF TEMPORARY REVISION

Page 1

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

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

32-11-09

RECORD OF TEMPORARY REVISION



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.

32-11-09

INTRODUCTION

Page 1

Mar 01/2009

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



COMPONENT MAINTENANCE MANUAL

TESTING AND FAULT ISOLATION

(NOT APPLICABLE)

32-11-09

TESTING AND FAULT ISOLATION

Page 101

Mar 01/2006

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



COMPONENT MAINTENANCE MANUAL

DISASSEMBLY

(NOT APPLICABLE)

32-11-09

DISASSEMBLY

Page 301

Mar 01/2006

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



COMPONENT MAINTENANCE MANUAL

CLEANING

(NOT APPLICABLE)

32-11-09

CLEANING

Page 401

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

CHECK

1. General

- A. This identifies inspections to find defects in the specified parts.
- B. Refer to the Standard Overhaul Practices Manual (SOPM) for the SOPM subjects identified in this procedure.

2. Check

A. References

<u>Reference</u>	<u>Title</u>
SOPM 20-20-01	MAGNETIC PARTICLE INSPECTION

B. Procedure

- (1) Examine all parts by standard industry practices.
- (2) Magnetic particle examine (SOPM 20-20-01) pins 161A1191-series, 161A1192-series, 161A2330-series, 161A2331-series, 161A2332-series, 161A2318-series, washer 161A2127-1, nuts 161A2125-series.

32-11-09

CHECK
Page 501
Jul 01/2008



COMPONENT MAINTENANCE MANUAL

REPAIR

1. General

- A. This Component Maintenance Manual has repairs for the components of the main landing gear installation.

Table 601:

PART NUMBER	NAME	REPAIR
—	REFINISH OF OTHER PARTS	1-1
161A1191-1,-2,-3	AFT TRUNNION CROSSBOLT PIN	2-1
161A1192-1,-3,-5,-7	AFT TRUNNION PIN ASSEMBLY	3-1
161A2125-2,-4	SIDE STRUT NUT	4-1
161A2330-1 THRU -6	BODY JOINT PIN	5-1
161A2331-1,-2	SIDE STRUT PIN	6-1
161A2332-1,-2,-3	REACTION LINK PIN	7-1
161A2318-1,-2	DOWNLOCK ACTUATOR PIN	8-1

2. Dimensioning Symbols

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

32-11-09

REPAIR - GENERAL

Page 601

Jul 01/2008

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

32-11-09

REPAIR - GENERAL

Page 602

Mar 01/2006



COMPONENT MAINTENANCE MANUAL

REFINISH OF OTHER PARTS - REPAIR 1-1

1. General

- A. Use this procedure to refinish the parts which are not 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

A. 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

B. General

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

C. Procedure

NOTE: For stripping of protective finishes, refer to SOPM 20-30-02. For general cleaning procedure, 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 for refinish of the other parts.

Table 601: Refinish Details

PART NAME AND NUMBER	MATERIAL	FINISH
Rings 161A0101-2, -3	17-7PH CRES 180-200 ksi	F-17.25
Washer 161A0102-2	15-5PH CRES 180-200 ksi	F-16.06
Ring 161A1194-1, -2	17-7PH CRES 180-200 ksi	F-17.25
Washer 161A2126-1, -2	15-5PH CRES 180-200 ksi	F-16.06 + F-20.02
Washer 161A2127-1	15-5PH CRES 180-200 ksi	F-17.25
Spacer 161A2303-1	Al-Ni-Bronze	F-15.380 on OD; F-25.01 on other surfaces
Cap 161A2333-1	15-5PH CRES 180-200 ksi	F-17.25
Washer 273A2208-1, -2,-3	Delrin Plastic	F-25.01

32-11-09

REPAIR 1-1
 Page 601
 Nov 01/2008



COMPONENT MAINTENANCE MANUAL

PIN - REPAIR 2-1

161A1191-1, -2, -3

1. General

- A. This procedure tells how to repair and refinish pin (5A - series).
- B. Refer to the Standard Overhaul Practices Manual (SOPM) for the standard practices shown in the repair.
- C. Refer to IPL Figure 1 for item numbers.
- D. General repair details:
 - (1) Material: 4340M steel, 275-300 ksi
 - (2) Shot peen: As shown in REPAIR 2-1, Figure 601

2. Repair and Refinish

- A. Consumable Materials

NOTE: Equivalent substitutes may be used.

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

- B. References

Reference	Title
32-00-05	Repair of High Strength Steel Landing Gear Parts
SOPM 20-10-01	REPAIR AND REFINISH OF HIGH STRENGTH STEEL PARTS
SOPM 20-10-02	MACHINING OF ALLOY STEEL
SOPM 20-10-03	SHOT PEENING
SOPM 20-10-04	GRINDING OF CHROME PLATED PARTS
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 20-42-03	HARD CHROME PLATING
SOPM 20-60-02	FINISHING MATERIALS

- C. Procedure (REPAIR 2-1, Figure 601)

NOTE: For repair and refinish of high strength steel parts, refer to SOPM 20-10-01. For machining of alloy steel, refer to SOPM 20-10-02. For shot peening, refer to SOPM 20-10-03. For grinding of chrome plated parts, refer to SOPM 20-10-04. For stripping of protective finishes, refer to SOPM 20-30-02. For general cleaning procedure, refer to SOPM 20-30-03. For the decoding table for Boeing finish codes, refer to SOPM 20-41-01. For hard chrome grinding, refer to SOPM 20-42-03. For finishing materials, refer to SOPM 20-60-02. For repair of high strength steel landing gear parts, refer to 32-00-05.

32-11-09

REPAIR 2-1

Page 601

Jul 01/2008



COMPONENT MAINTENANCE MANUAL

- (1) Repair
 - (a) Machine as necessary, within repair limits, to remove defects.
 - (b) Build up with chrome plate. Grind to design dimensions and finish.
- (2) Refinish
 - (a) Chrome plate as indicated.
 - (b) Cadmium-titanium plate other surfaces as shown.
 - (c) Apply primer, C00175 and enamel coating, C00033 as shown.

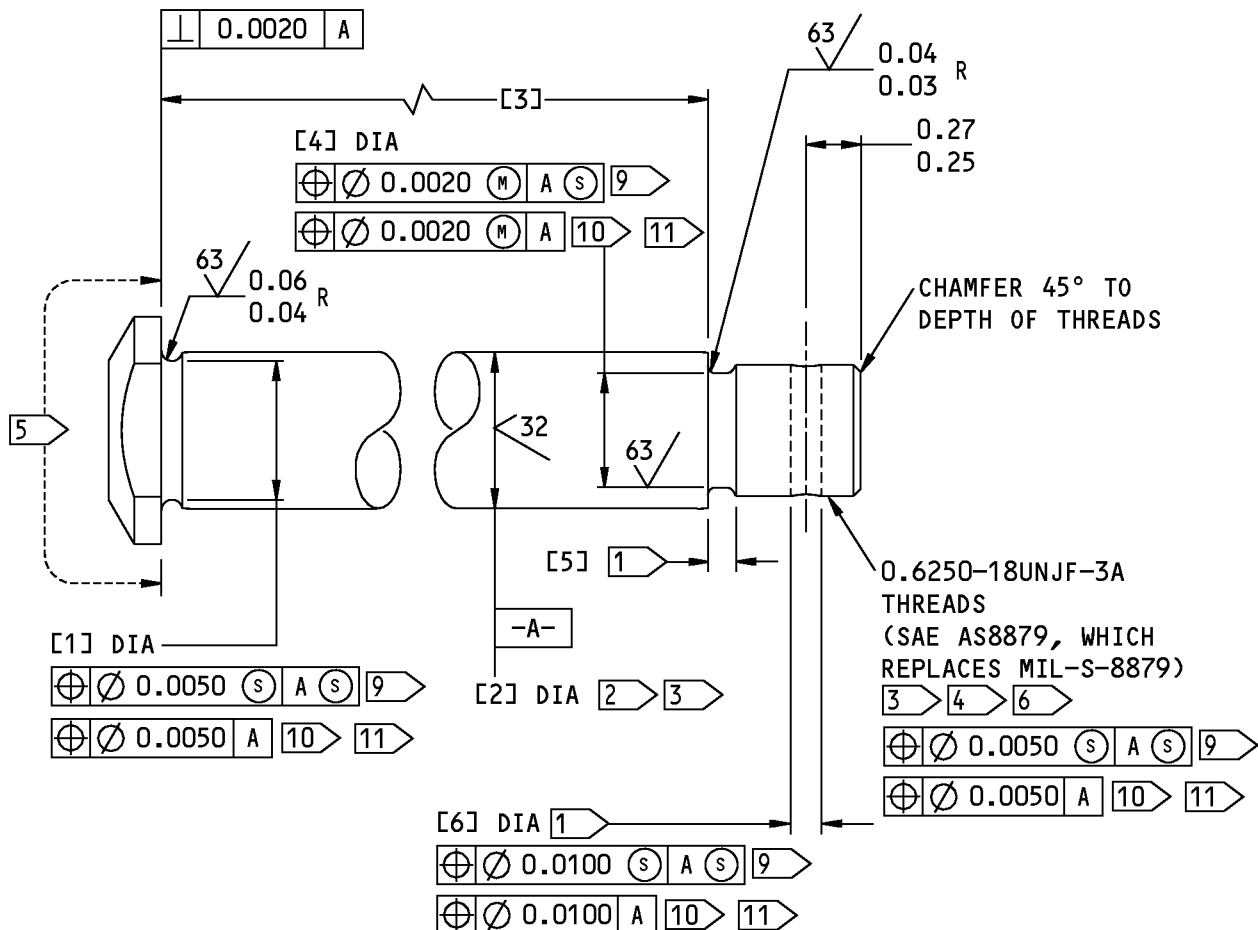
32-11-09

REPAIR 2-1

Page 602

Mar 01/2006

COMPONENT MAINTENANCE MANUAL



REFERENCE NUMBER	[1]	[2]	[3] 9	[3] 10 11	[4]	[5]	[6]
DESIGN DIMENSION	0.6645 0.6545	0.7490 0.7480 7	4.9650 4.9550	5.2150 5.2050	0.5440 0.5370	0.1210 0.1010	0.1510 0.1410
REPAIR LIMIT	---	0.7180 8	---	---	---	---	---

391312 S0004996732_V4

161A1191-1, -2, -3 Pin Repair and Refinish
 Figure 601 (Sheet 1 of 2)

32-11-09

REPAIR 2-1
 Page 603
 Jul 01/2008



COMPONENT MAINTENANCE MANUAL

- 1 SHOT PEEN NOT NECESSARY.
OVERSPAY IS PERMITTED
- 2 CHROME PLATE (F-15.34),
0.003 MIN THICK AFTER GRINDING
- 3 WIPE PLATING WITH PRIMER
(F-19.451)
- 4 CADMIUM-TITANIUM PLATE (F-15.32)
- 5 CADMIUM-TITANIUM PLATE (F-15.01).
APPLY BMS 10-79 TYPE 3 PRIMER
(F-19.47) AND BMS 10-60 TYPE 2
ENAMEL (F-19.39-707)
- 6 NO SHOT PEEN
- 7 DIMENSION AFTER PLATING
- 8 LIMIT FOR CHROME PLATE BUILDUP
AND GRIND TO DESIGN DIMENSIONS
AND FINISH
- 9 161A1191-1
- 10 161A1191-2
- 11 161A1191-3

125/ ALL MACHINED SURFACES UNLESS
SHOWN DIFFERENTLY

BREAK ALL SHARP EDGES 0.02-0.04

SHOT PEEN (SOPM 20-10-03)

Rc 55-65 SHOT HEAT TREAT

0.016-033 SHOT SIZE

0.014-0.018 A2 INTENSITY

MATERIAL: 4340M STEEL, 275-300 KSI

DIMENSIONS ARE BEFORE PLATING UNLESS
SHOWN BY 7

ALL DIMENSIONS ARE IN INCHES

391319 S0004996733_V3

161A1191-1, -2, -3 Pin Repair and Refinish
Figure 601 (Sheet 2 of 2)

32-11-09

REPAIR 2-1

Page 604

Jul 01/2008



COMPONENT MAINTENANCE MANUAL

PIN ASSEMBLY - REPAIR 3-1

161A1192-1, -3, -5, -7

1. General

- A. Use this procedure to repair pin assembly (10B, IPL Figure 1) (1A, IPL Figure 2).
- B. Refer to the Standard Overhaul Practices Manual (SOPM) for the standard practices shown in the repair.
- C. Refer to IPL Figure 1 and IPL Figure 2 for item numbers.
- D. General repair details:
 - (1) Material: 4340M steel, 275-300 ksi
 - (2) Shot peen: All surfaces, unless shown in REPAIR 3-1, Figure 601
 Shot Size 0.016-0.033
 Intensity 0.014-0.018A2
 Hard Shot Rc 55-65
 Coverage 2.0

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 (REPAIR 3-1, Figure 601)

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

NOTE: Equivalent material can be used.

- (1) Remove the old bushing from the pin (SOPM 20-50-03).
- (2) If you find defects on the pin surfaces, refer to REPAIR 3-1, Paragraph 3. below for repair instructions.
- (3) Install a replacement bushing by the shrink-fit method (SOPM 20-50-03) with sealant, A00247.
- (4) Make a check of the dimensions and machine them as necessary.

3. Repair and Refinish

- A. Consumable Materials

NOTE: Equivalent substitutes may be used.

32-11-09

REPAIR 3-1
 Page 601
 Jul 01/2009



COMPONENT MAINTENANCE MANUAL

Reference	Description	Specification
C00033	Coating - Exterior Protective Enamel, Flexibility Use	BMS10-60, Type II
C00175	Primer - Urethane Compatible, Corrosion Resistant (Less Than 1% Aromatic Amines)	BMS10-79, Type III
C50001	Compound - Corrosion Preventive, Petroleum Hot Application (Hard Film)	MIL-C-11796, Class I

B. References

Reference	Title
32-00-05	Repair of High Strength Steel Landing Gear Parts
SOPM 20-10-01	REPAIR AND REFINISH OF HIGH STRENGTH STEEL PARTS
SOPM 20-10-02	MACHINING OF ALLOY STEEL
SOPM 20-10-03	SHOT PEENING
SOPM 20-10-04	GRINDING OF CHROME PLATED PARTS
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 20-41-05	APPLICATION OF CORROSION INHIBITING COMPOUNDS
SOPM 20-42-03	HARD CHROME PLATING
SOPM 20-60-02	FINISHING MATERIALS

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

NOTE: For repair and refinish of high strength steel parts, refer to SOPM 20-10-01. For machining of alloy steel, refer to SOPM 20-10-02. For shot peening, refer to SOPM 20-10-03. For grinding of chrome plated parts, refer to SOPM 20-10-04. For stripping of protective finishes, refer to SOPM 20-30-02. For general cleaning procedure, refer to SOPM 20-30-03. For the decoding table for Boeing finish codes, refer to SOPM 20-41-01. For application of corrosion inhibiting compounds, refer to SOPM 20-41-05. For hard chrome plating, refer to SOPM 20-42-03. For finishing materials, refer to SOPM 20-60-02. For repair of high strength steel landing gear parts, refer to 32-00-05.

(1) Shank OD

- (a) Machine as necessary, within repair limits, to remove defects.
- (b) Build up with chrome plate. Grind to design dimensions and finish.

(2) Crossbolt Hole

- (a) Machine as necessary, within repair limits, to remove defects.
- (b) Refinish as necessary.
- (c) Make an oversize bushing (REPAIR 3-1, Figure 602) to adjust for the material removed.
- (d) Install the bushing (REPAIR 3-1, Paragraph 2. above).

(3) Refinish

32-11-09

REPAIR 3-1
 Page 602
 Jul 01/2008

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



COMPONENT MAINTENANCE MANUAL

- (a) Chrome plate as indicated.
- (b) Cadmium-titanium plate other surfaces.
- (c) Apply primer, C00175, enamel coating, C00033, and corrosion preventive compound, C50001 as indicated.

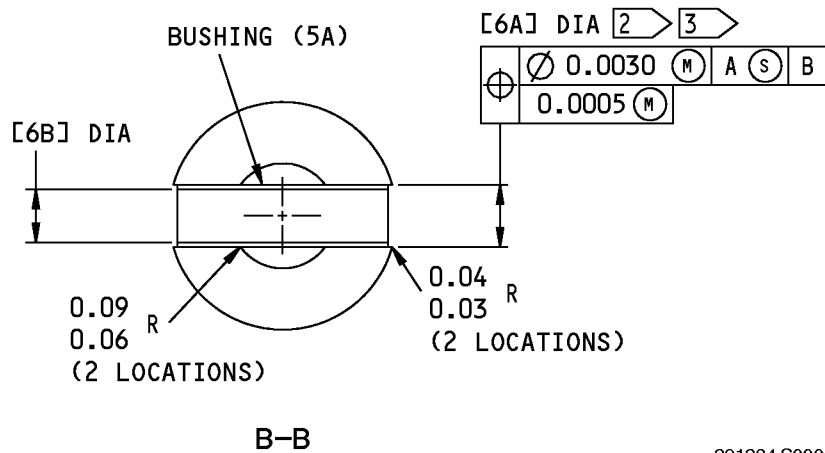
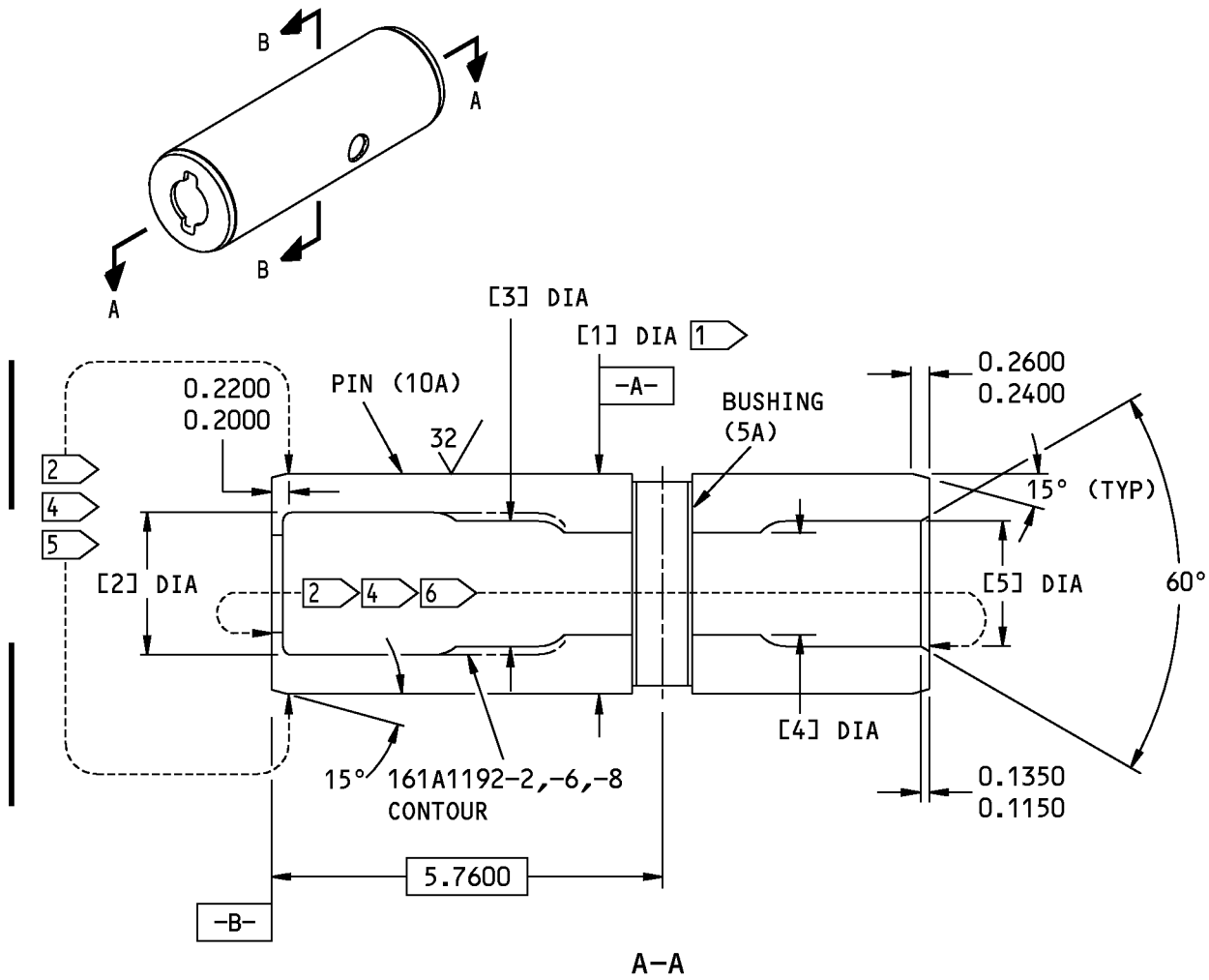
32-11-09

REPAIR 3-1

Page 603

Jul 01/2007

COMPONENT MAINTENANCE MANUAL



391384 S0004996735_V5

161A1192-1,-3,-5,-7 Pin Repair and Refinish
 Figure 601 (Sheet 1 of 2)

32-11-09

REPAIR 3-1
 Page 604
 Jul 01/2009



COMPONENT MAINTENANCE MANUAL

REFERENCE NUMBER	[1] [10] [11] [12]	[1] [13]	[2] [10] [11]	[2] [12]	[2] [13]	[3] [11]	[4] [10]	[4] [11]
DESIGN DIMENSION	3.2490 [8] 3.2480	3.4990 [8] 3.4980	2.1100 2.0900	2.1950 2.1750	2.2100 2.1900	1.8600 1.8400	1.8600 1.8400	1.5100 1.4900
REPAIR LIMIT	3.2180 [9]	3.4680 [9]	---	---	---	---	---	---

REFERENCE NUMBER	[4] [12]	[4] [13]	[5] [10]	[5] [11]	[5] [12]	[5] [13]	[6A]	[6B]
DESIGN DIMENSION	2.0100 1.9900	2.0800 2.0600	2.1100 2.0900	1.8600 1.8400	2.1950 2.1750	2.2100 2.1900	0.8848 0.8840	0.7588 0.7580
REPAIR LIMIT	---	---	---	---	---	---	0.9140 [14]	---

- [1] CHROME PLATE (F-15.34), 0.003 MINIMUM THICK. WIPE WITH PRIMER (F-19.451)
- [2] CADMIUM-TITANIUM PLATE (F-15.01), 0.0005-0.0010 THICK
- [3] APPLY BMS 10-79 TYPE 3 PRIMER (F-19.47)
- [4] APPLY BMS 10-79 TYPE 3 PRIMER (F-19.66)
- [5] APPLY BMS 10-60 TYPE 2 ENAMEL (F-19.39-707)
- [6] APPLY MIL-C-11796 CLASS 1 CORROSION PREVENTIVE COMPOUND (F-19.03)
- [7] PART AND SERIAL NUMBER LOCATION
- [8] AFTER PLATING
- [9] LIMIT FOR CHROME PLATE BUILDUP AND GRIND TO DESIGN DIMENSIONS AND FINISH

REPAIR

125/ ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

BREAK ALL SHARP EDGES 0.02-0.03 R UNLESS SHOWN DIFFERENTLY

DIMENSIONS ARE BEFORE PLATING UNLESS SHOWN BY [8]

ITEM NUMBERS REFER TO IPL FIG. 2

ALL DIMENSIONS ARE IN INCHES

[10] 161A1192-2

[11] 161A1192-4

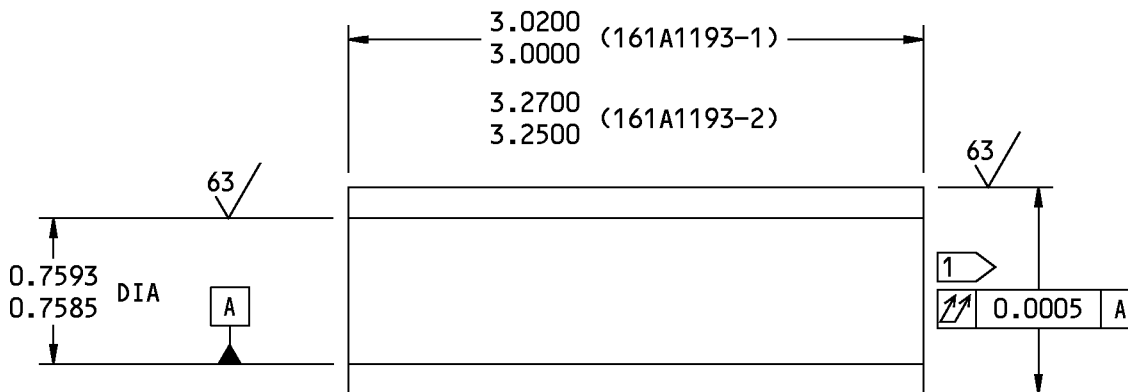
[12] 161A1192-6

[13] 161A1192-8

[14] LIMIT FOR INSTALLATION OF OVERSIZE BUSHING (FIG. 602)

161A1192-1,-3,-5,-7 Pin Repair and Refinish
Figure 601 (Sheet 2 of 2)

32-11-09



1 THE OUTSIDE DIAMETER OF THE BUSHING IS EQUAL TO THE INSIDE DIAMETER OF THE LUG HOLE PLUS THE INTERFERENCE OF 0.0006-0.0021

63 ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

BREAK SHARP EDGES 0.01-0.02 R

MATERIAL: AL-NI-BRONZE (AMS 4640)

FINISH: CADMIUM PLATE (F-15.06)

ITEM NUMBERS REFER TO IPL FIG. 2

ALL DIMENSIONS ARE IN INCHES

HOLE LOCATION [6A] FIG. 601 - REPLACES BUSHING (5A,5B)
 161A1193-1,-2

Oversize Bushing Details
 Figure 602

32-11-09

REPAIR 3-1
 Page 606
 Jul 01/2007



COMPONENT MAINTENANCE MANUAL

SIDE STRUT NUT - REPAIR 4-1

161A2125-2, -4

1. General

- A. This procedure tells how to refinish nuts (210, 215).
- B. Refer to the Standard Overhaul Practices Manual (SOPM) for the standard practices shown in the repair.
- C. Refer to IPL Figure 1 for item numbers.
- D. General repair details:
 - (1) Material: 4330M steel, 220-240 ksi
 - (2) Shot peen: All surfaces, unless shown in REPAIR 4-1, Figure 601
 - Shot Size 0.016-0.033
 - Intensity 0.014-0.018A2
 - Hard Shot Rc 55-65
 - Coverage 2.0

2. Refinish

- A. Consumable Materials

NOTE: Equivalent substitutes may be used.

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

- B. References

Reference	Title
32-00-05	Repair of High Strength Steel Landing Gear Parts
SOPM 20-10-01	REPAIR AND REFINISH OF HIGH STRENGTH STEEL PARTS
SOPM 20-10-02	MACHINING OF ALLOY STEEL
SOPM 20-10-03	SHOT PEENING
SOPM 20-10-04	GRINDING OF CHROME PLATED PARTS
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 20-42-03	HARD CHROME PLATING
SOPM 20-60-02	FINISHING MATERIALS

32-11-09

REPAIR 4-1
 Page 601
 Nov 01/2006



COMPONENT MAINTENANCE MANUAL

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

NOTE: For repair and refinish of high strength steel parts, refer to SOPM 20-10-01. For machining of alloy steel, refer to SOPM 20-10-02. For shot peening, refer to SOPM 20-10-03. For grinding of chrome plated parts, refer to SOPM 20-10-04. . For stripping of protective finishes, refer to SOPM 20-30-02. For general cleaning procedure, refer to SOPM 20-30-03. For the decoding table for Boeing finish codes, refer to SOPM 20-41-01. For hard chrome grinding, refer to SOPM 20-42-03. For finishing materials, refer to SOPM 20-60-02. For repair of high strength steel landing gear parts, refer to 32-00-05.

- (1) Chrome plate as shown.
- (2) Cadmium-titanium plate other surfaces.
- (3) Apply primer, C00175 and enamel coating, C00033 as shown.

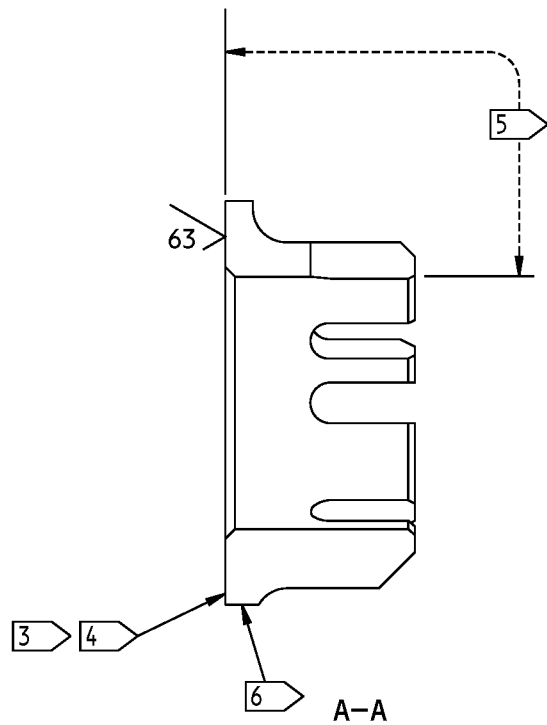
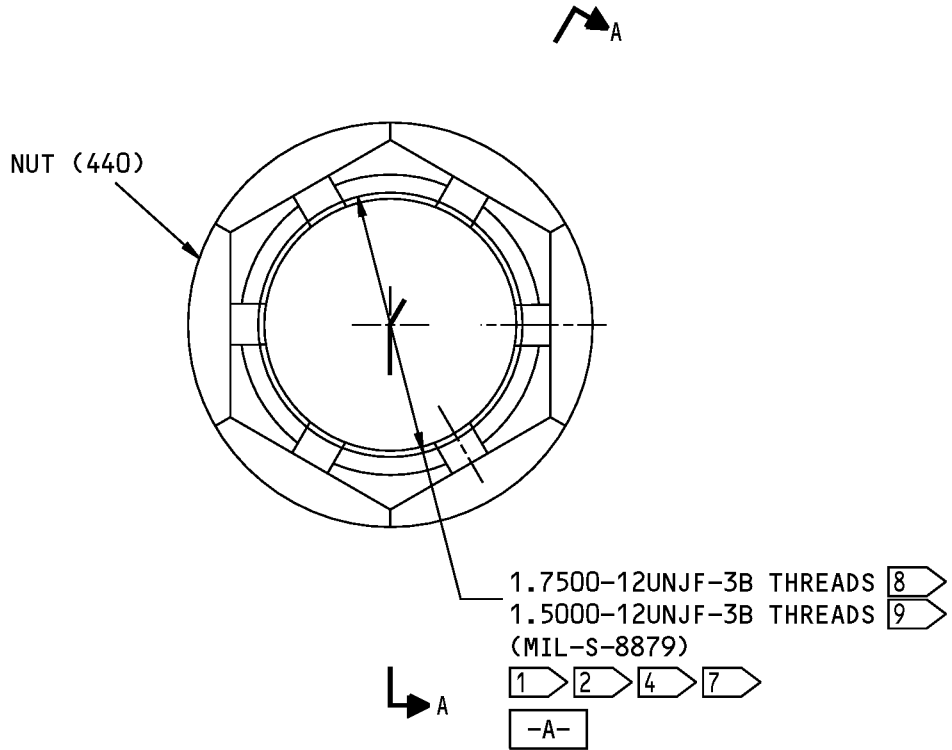
32-11-09

REPAIR 4-1

Page 602

Mar 01/2006

COMPONENT MAINTENANCE MANUAL



161A2125-2,-4 Nut Refinish
 Figure 601 (Sheet 1 of 2)

32-11-09

REPAIR 4-1
 Page 603
 Mar 01/2006



COMPONENT MAINTENANCE MANUAL

- 1 CADMIUM-TITANIUM PLATE (F-15.32)
ON THIS SURFACE
- 2 AFTER PLATING
- 3 CHROME PLATE (F-15.43, WHICH
REPLACES F-14.892), 0.0003-0.0005
THICK. DO NOT GRIND
- 4 WIPE WITH PRIMER (F-19.451)
- 5 CADMIUM-TITANIUM PLATE (F-15.01).
APPLY BMS 10-79 TYPE 3 PRIMER
(F-19.47) AND BMS 10-60 TYPE 2
ENAMEL (F-19.39-707)
- 6 PART NUMBER LOCATION
- 7 DO NOT SHOT PEEN THE THREADS
- 8 161A2125-2
- 9 161A2125-4

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

161A2125-2,-4 Nut Refinish
Figure 601 (Sheet 2 of 2)

32-11-09

REPAIR 4-1
Page 604
Mar 01/2006



COMPONENT MAINTENANCE MANUAL

BODY JOINT PIN - REPAIR 5-1

161A2330-1, -2, -3, -4, -5, -6

1. General

- A. This procedure tells how to repair and refinish pins (15A-series).
- B. Refer to the Standard Overhaul Practices Manual (SOPM) for the standard practices shown in the repair.
- C. Refer to IPL Figure 1 for item numbers.
- D. General repair details:
 - (1) Material: 4340M Steel, 275-300 ksi
 - (2) Shot peen: All surfaces, unless shown in REPAIR 5-1, Figure 601
 - Shot Size 0.016-0.033
 - Intensity 0.014-0.018A2
 - Hard Shot Rc 55-65
 - Coverage 2.0

2. Repair and Refinish

- A. Consumable Materials

NOTE: Equivalent substitutes may be used.

Reference	Description	Specification
C00033	Coating - Exterior Protective Enamel, Flexibility Use	BMS10-60, Type II
C00175	Primer - Urethane Compatible, Corrosion Resistant (Less Than 1% Aromatic Amines)	BMS10-79, Type III
C50001	Compound - Corrosion Preventive, Petroleum Hot Application (Hard Film)	MIL-C-11796, Class I

- B. References

Reference	Title
32-00-05	Repair of High Strength Steel Landing Gear Parts
SOPM 20-10-01	REPAIR AND REFINISH OF HIGH STRENGTH STEEL PARTS
SOPM 20-10-02	MACHINING OF ALLOY STEEL
SOPM 20-10-03	SHOT PEENING
SOPM 20-10-04	GRINDING OF CHROME PLATED PARTS
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 20-41-05	APPLICATION OF CORROSION INHIBITING COMPOUNDS
SOPM 20-42-03	HARD CHROME PLATING
SOPM 20-60-02	FINISHING MATERIALS

32-11-09

REPAIR 5-1
 Page 601
 Jul 01/2008



COMPONENT MAINTENANCE MANUAL

C. Procedure (REPAIR 5-1, Figure 601)

NOTE: For repair and refinish of high strength steel parts, refer to SOPM 20-10-01. For machining of alloy steel, refer to SOPM 20-10-02. For shot peening, refer to SOPM 20-10-03. For grinding of chrome plated parts, refer to SOPM 20-10-04. For stripping of protective finishes, refer to SOPM 20-30-02. For general cleaning procedure, refer to SOPM 20-30-03. For the decoding table for Boeing finish codes, refer to SOPM 20-41-01. For hard chrome grinding, refer to SOPM 20-42-03. For application of corrosion inhibiting compounds, refer to SOPM 20-41-05. For finishing materials, refer to SOPM 20-60-02. For repair of high strength steel landing gear parts, refer to 32-00-05.

(1) Repair

- (a) Machine as necessary, within repair limits, to remove defects.
- (b) Build up with chrome plate. Grind to design dimensions and finish.

(2) Refinish

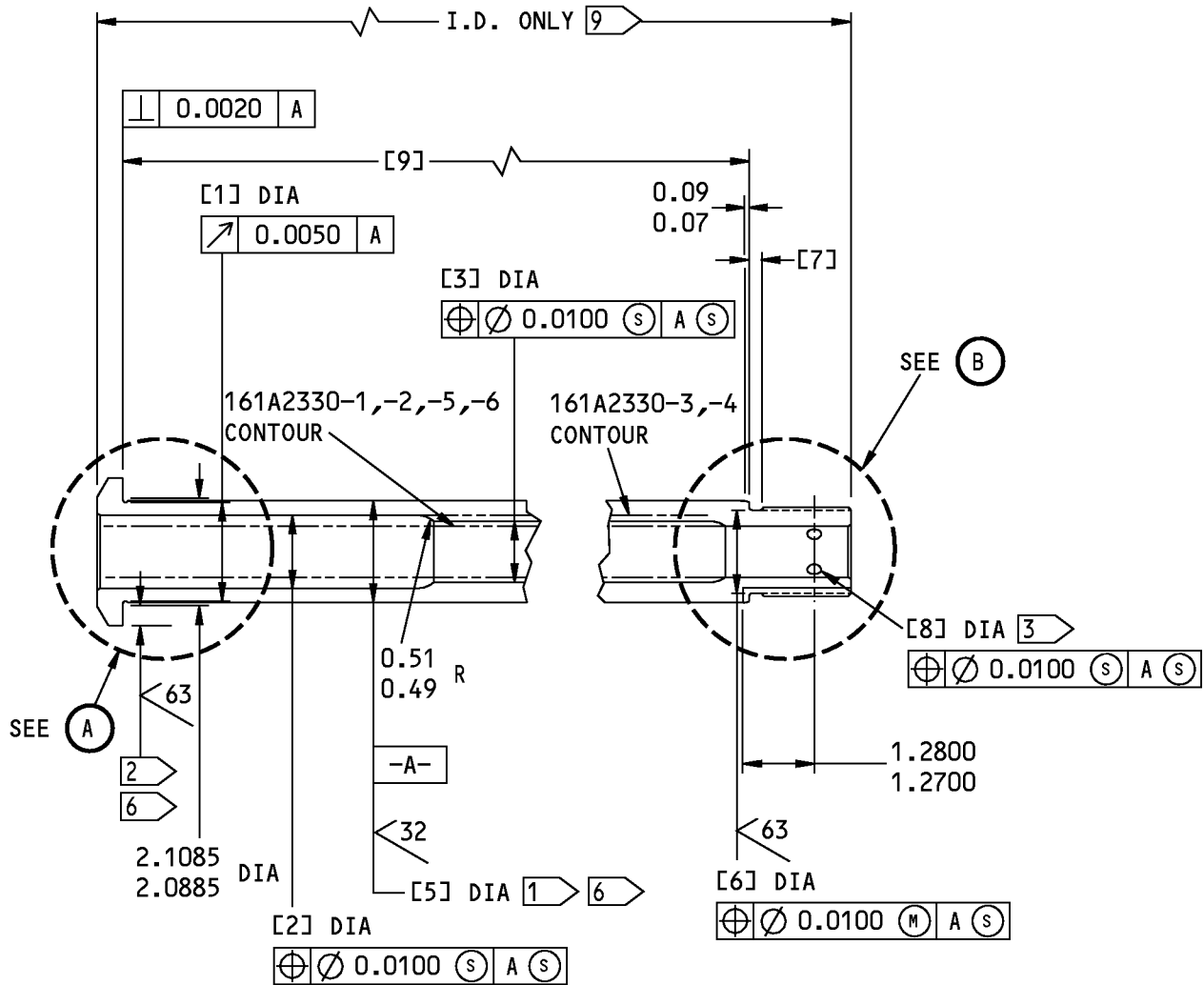
- (a) Chrome plate as indicated.
- (b) Cadmium-titanium plate other surfaces.
- (c) Apply primer, C00175, enamel coating, C00033, and corrosion preventive compound, C50001 as indicated.

32-11-09

REPAIR 5-1

Page 602

Mar 01/2006



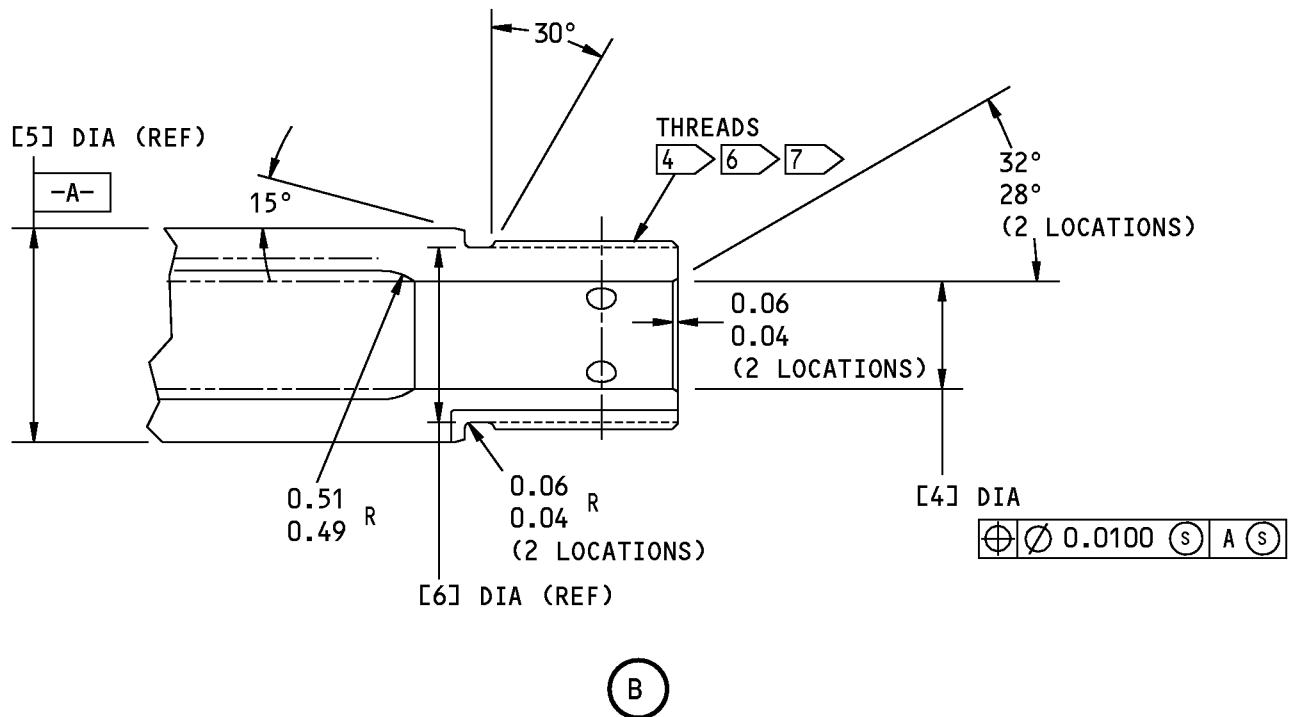
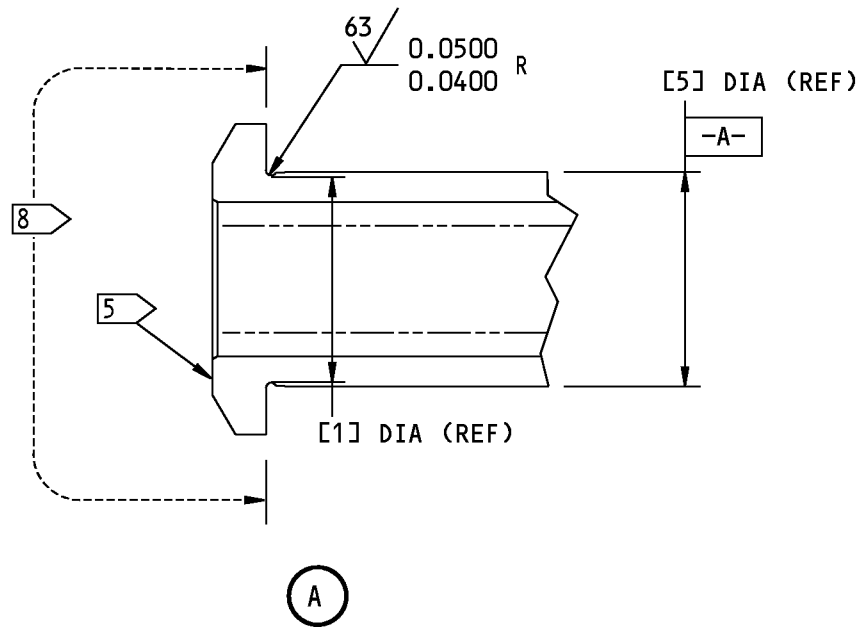
394717 S0004996742_V3

161A2330-1 thru -6 Body Joint Pin Repair and Refinish
 Figure 601 (Sheet 1 of 3)

32-11-09

REPAIR 5-1
 Page 603
 Jul 01/2008

COMPONENT MAINTENANCE MANUAL



161A2330-1 thru -6 Body Joint Pin Repair and Refinish
 Figure 601 (Sheet 2 of 3)

32-11-09

REPAIR 5-1
 Page 604
 Jul 01/2008



COMPONENT MAINTENANCE MANUAL

REFERENCE NUMBER	[1]	[2] 12	[2] 14 15	[3] 15	[4] 12 13 14 15	[4] 16 17	[5]	[6]
DESIGN DIMENSION	1.9355 1.9255	1.2100 1.2000	1.4450 1.4350	1.3100 1.3000	1.0000 0.9900	0.7600 0.7400	1.9990 1.9980 10	1.6350 1.6250
REPAIR LIMIT	---	---	---	---	---	---	1.9680 11	---

REFERENCE NUMBER	[7]	[8]	[9]
DESIGN DIMENSION	0.2600 0.2400	0.2770 0.2670	13.6930 13.6730
REPAIR LIMIT	---	---	---

- 1 CHROME PLATE (F-15.34), 0.003 MINIMUM THICK AFTER GRIND
- 2 CHROME PLATE (F-15.34), 0.001-0.002 THICK. DO NOT GRIND
- 3 SHOT PEEN NOT NECESSARY. OVERSPRAY PERMITTED
- 4 DO NOT SHOT PEEN
- 5 PART AND SERIAL NUMBER LOCATION
- 6 WIPE WITH PRIMER (F-19.451)
- 7 CADMIUM-TITANIUM PLATE (F-15.32)
- 8 CADMIUM-TITANIUM PLATE (F-15.01). APPLY BMS 10-79 TYPE 3 PRIMER (F-19.47) AND BMS 10-60 TYPE 2 ENAMEL (F-19.39-707)
- 9 CADMIUM-TITANIUM PLATE (F-15.01). APPLY BMS 10-79 TYPE 3 PRIMER (F-19.66) AND MIL-C-11796 CLASS 1 CORROSION PREVENTIVE COMPOUND
- 10 AFTER PLATING

- 11 LIMIT FOR CHROME PLATE BUILDUP AND GRIND TO DESIGN DIMENSIONS AND FINISH
- 12 161A2330-1
- 13 161A2330-2
- 14 161A2330-3
- 15 161A2330-4
- 16 161A2330-5
- 17 161A2330-6

REPAIR

125/ ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

BREAK ALL SHARP EDGES 0.03-0.06 UNLESS SHOWN DIFFERENTLY

DIMENSIONS ARE BEFORE PLATING UNLESS SHOWN DIFFERENTLY

ALL DIMENSIONS ARE IN INCHES

394858 S0004996744_V4

161A2330-1 thru -6 Body Joint Pin Repair and Refinish
Figure 601 (Sheet 3 of 3)

32-11-09

REPAIR 5-1
Page 605
Jul 01/2008



COMPONENT MAINTENANCE MANUAL

PIN - REPAIR 6-1

161A2331-1, -2

1. General

- A. This procedure tells how to repair and refinish pin (20A - series).
- B. Refer to the Standard Overhaul Practices Manual (SOPM) for the standard subjects identified in this procedure.
- C. Refer to IPL Figure 1 for item numbers.
- D. General repair details:
 - (1) Material: 4340M Steel, 275-300 ksi
 - (2) Shot peen: All surfaces, unless shown in REPAIR 6-1, Figure 601
 - Shot Size 0.016-0.033
 - Intensity 0.014-0.018A2
 - Hard Shot Rc 55-65
 - Coverage 2.0

2. Repair and Refinish

- A. Procedure (REPAIR 6-1, Figure 601)

NOTE: For repair and refinish of high strength steel parts, refer to SOPM 20-10-01. For machining of alloy steel, refer to SOPM 20-10-02. For shot peening, refer to SOPM 20-10-03. For grinding of chrome plated parts, refer to SOPM 20-10-04. For stripping of protective finishes, refer to SOPM 20-30-02. For general cleaning procedure, refer to SOPM 20-30-03. For the decoding table for Boeing finish codes, refer to SOPM 20-41-01. For hard chrome grinding, refer to SOPM 20-42-03. For application of corrosion inhibiting compounds, refer to SOPM 20-41-05. For finishing materials, refer to SOPM 20-60-02. For repair of high strength steel landing gear parts, refer to 32-00-05.

- (1) Repair
 - (a) Machine as necessary, within repair limits, to remove defects.
 - (b) Build up with chrome plate. Grind to design dimensions and finish.
- (2) Refinish
 - (a) Chrome plate (F-15.34) as indicated.
 - (b) Cadmium-titanium plate other surfaces.
 - (c) Apply primer, C00175, enamel coating, C00033, and corrosion preventive compound, C50001 as indicated.

32-11-09

REPAIR 6-1

Page 601

Jul 01/2008



COMPONENT MAINTENANCE MANUAL

REFERENCE NUMBER	[1]	[2]	[3]	[4]	[5]	[6]	[7]
DESIGN DIMENSION	2.7000 2.6900	1.9850 1.9750	2.7490 2.7480	11.9897 11.9797	2.6291 2.6191	1.8264 1.8164	1.8740 1.8730
REPAIR LIMIT	---	---	2.7180	---	---	---	1.8480

REFERENCE NUMBER	[8]	[9]	[10]	[11]	[12]
DESIGN DIMENSION	0.1769 0.1569	1.8279 1.8176	1.3800 1.3690	0.2706 0.2606	1.0050 0.9950
REPAIR LIMIT	---	---	---	---	---

- CHROME PLATE (F-15.34), 0.003 MINIMUM THICK AFTER GRIND
- CHROME PLATE (F-15.34), 0.001-0.002 MINIMUM THICK. DO NOT GRIND
- SHOT PEEN NOT NECESSARY. OVERSPRAY PERMITTED
- DO NOT SHOT PEEN
- PART AND SERIAL NUMBER LOCATION
- WIPE WITH PRIMER (F-19.451)
- CADMIUM-TITANIUM PLATE (F-15.32)
- CADMIUM-TITANIUM PLATE (F-15.01). APPLY BMS 10-79 TYPE 3 PRIMER (F-19.47) AND BMS 10-60 TYPE 2 ENAMEL (F-19.39-707)
- CADMIUM-TITANIUM PLATE (F-15.01). APPLY BMS 10-79 TYPE 3 PRIMER (F-19.66) AND MIL-C-11796 CLASS 1 CORROSION PREVENTIVE COMPOUND (F-19.03)
- AFTER PLATING

- LIMIT FOR CHROME PLATE BUILDUP AND GRIND TO DESIGN DIMENSIONS AND FINISH

REPAIR

ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

BREAK ALL SHARP EDGES 0.030-0.060 R UNLESS SHOWN DIFFERENTLY

DIMENSIONS ARE BEFORE PLATING UNLESS SHOWN DIFFERENTLY

ALL DIMENSIONS ARE IN INCHES

161A2331-1, -2 Side Strut Pin Repair and Refinish
Figure 601 (Sheet 3 of 3)

32-11-09



COMPONENT MAINTENANCE MANUAL

PIN - REPAIR 7-1

161A2332-1, -2, -3

1. General

- A. This procedure tells how to repair and refinish pin (25A - series).
- B. Refer to the Standard Overhaul Practices Manual (SOPM) for the standard practices shown in the repair.
- C. Refer to IPL Figure 1 for item numbers.
- D. General repair details:
 - (1) Material:
 - (a) Pin (25A): 15-5PH CRES, 180-200 ksi
 - (b) Pin (25B, 25C): 4340M Steel, 275-300 ksi
 - (2) Shot peen: All surfaces, unless shown in REPAIR 7-1, Figure 601
 - Shot Size 0.016-0.033
 - Intensity 0.008-0.013A2
 - Hard Shot Rc 55-65
 - Coverage 2.0

2. Repair and Refinish

- A. Consumable Materials

NOTE: Equivalent substitutes may be used.

Reference	Description	Specification
C00033	Coating - Exterior Protective Enamel, Flexibility Use	BMS10-60, Type II
C00175	Primer - Urethane Compatible, Corrosion Resistant (Less Than 1% Aromatic Amines)	BMS10-79, Type III
C50001	Compound - Corrosion Preventive, Petroleum Hot Application (Hard Film)	MIL-C-11796, Class I

- B. References

Reference	Title
32-00-05	Repair of High Strength Steel Landing Gear Parts
SOPM 20-10-01	REPAIR AND REFINISH OF HIGH STRENGTH STEEL PARTS
SOPM 20-10-02	MACHINING OF ALLOY STEEL
SOPM 20-10-03	SHOT PEENING
SOPM 20-10-04	GRINDING OF CHROME PLATED PARTS
SOPM 20-20-01	MAGNETIC PARTICLE INSPECTION
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

32-11-09

REPAIR 7-1
 Page 601
 Jul 01/2008



COMPONENT MAINTENANCE MANUAL

Reference	Title
SOPM 20-42-03	HARD CHROME PLATING

C. Procedure (REPAIR 7-1, Figure 601) and REPAIR 7-1, Figure 602

NOTE: For repair and refinish of high strength steel parts, refer to SOPM 20-10-01. For machining of alloy steel, refer to SOPM 20-10-02. For shot peening, refer to SOPM 20-10-03. For grinding of chrome plated parts, refer to SOPM 20-10-04. For magnetic particle inspection, refer to SOPM 20-20-01. For stripping of protective finishes, refer to SOPM 20-30-02. For general cleaning procedure, refer to SOPM 20-30-03. For the decoding table for Boeing finish codes, refer to SOPM 20-41-01. For hard chrome grinding, refer to SOPM 20-42-03. For repair of high strength steel landing gear parts, refer to 32-00-05.

(1) Repair

- (a) Machine as necessary, within repair limits, to remove defects.
- (b) Build up with chrome plate. Grind to design dimensions and finish.

(2) Refinish

- (a) Chrome plate as indicated.
- (b) Passivate (F-17.25) other surfaces.
- (c) On pin 161A2332-2, apply compound, C50001, primer, C00175 and enamel coating, C00033 as shown.

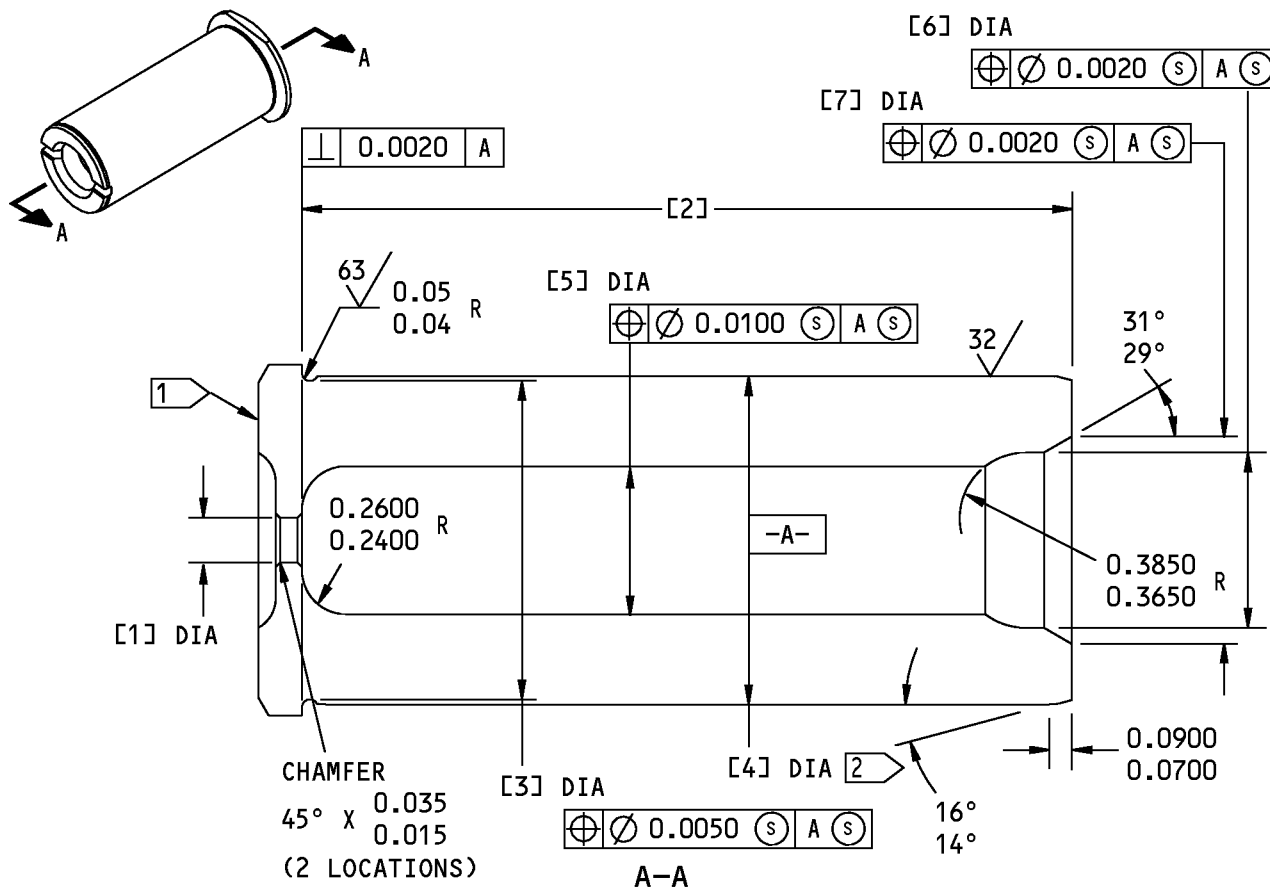
32-11-09

REPAIR 7-1

Page 602

Jul 01/2008

COMPONENT MAINTENANCE MANUAL



REFERENCE NUMBER	[1]	[2]	[3]	[4]	[5]	[6]	[7]
DESIGN DIMENSION	0.2575 0.2525	4.4000 4.3900	1.8276 1.8076	1.8740 1.8735 3	0.8500 0.8400	1.0100 0.9900	1.1948 1.1748
REPAIR LIMIT	---	---	---	1.8435 4	---	---	---

REPAIR

- 1 PART AND SERIAL NUMBER LOCATION
- 2 CHROME PLATE (F-15.34),
0.003-0.005 THICK
- 3 AFTER PLATING
- 4 LIMIT FOR CHROME PLATE BUILDUP
AND GRIND TO DESIGN DIMENSIONS
AND FINISH

125/ ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

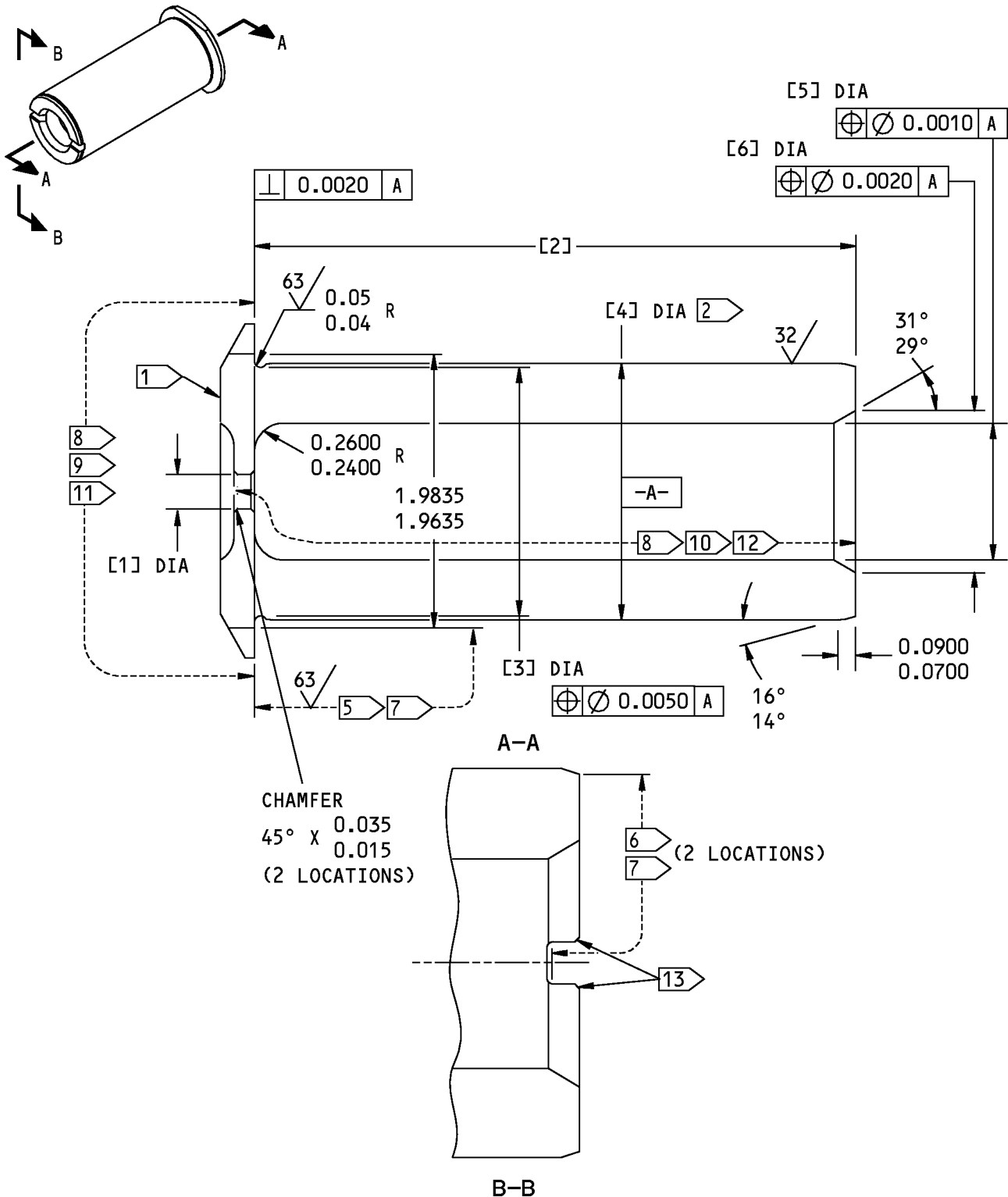
BREAK ALL SHARP EDGES 0.030-0.060 R UNLESS SHOWN BY 3

ALL DIMENSIONS ARE IN INCHES

161A2332-1 Reaction Link Pin Repair and Refinish
 Figure 601

32-11-09

COMPONENT MAINTENANCE MANUAL



161A2332-2, -3 Reaction Link Pin Repair and Refinish
 Figure 602 (Sheet 1 of 2)

32-11-09



COMPONENT MAINTENANCE MANUAL

REFERENCE NUMBER	[1]	[2]	[3]	[4]	[5]	[6]
DESIGN DIMENSION	0.2575 0.2525	4.4000 4.3900	1.8276 1.8076	1.8740 1.8735	1.0100 0.9900	1.1948 1.1748
REPAIR LIMIT	---	---	---	1.8435	---	---

- PART AND SERIAL NUMBER LOCATION
- CHROME PLATE (F-15.34),
0.003-0.005 THICK
- AFTER PLATING
- LIMIT FOR CHROME PLATE BUILDUP
AND GRIND TO DESIGN DIMENSIONS
AND FINISH
- CHROME PLATE (F-15.34),
0.001-0.002 THICK
- THIN DENSE CHROME PLATE (F-15.43)
- WIPE PLATING WITH PRIMER
(F-19.451)
- CADMIUM-TITANIUM PLATE (F-15.01)
- APPLY BMS 10-79 TYPE 3 PRIMER
(F-19.47)
- APPLY BMS 10-79, TYPE 3 PRIMER
(F-19.66)
- APPLY BMS 10-60 ENAMEL
(F-19.39-707)
- APPLY MIL-C-11796 CLASS 1
CORROSION PREVENTIVE COMPOUND
(F-19.03)
- CADMIUM-TITANIUM PLATING AND
PRIMER ARE OPTIONAL TO CHROME
PLATING ON THE CHAMFER ONLY

REPAIR

ALL MACHINED SURFACES UNLESS
SHOWN DIFFERENTLY

BREAK ALL SHARP EDGES 0.02-0.03 R
UNLESS SHOWN BY

ALL DIMENSIONS ARE IN INCHES

161A2332-2, -3 Reaction Link Pin Repair and Refinish
 Figure 602 (Sheet 2 of 2)

32-11-09

REPAIR 7-1
 Page 605
 Jul 01/2008



COMPONENT MAINTENANCE MANUAL

PIN - REPAIR 8-1

161A2318-1, -2

1. General

- A. This procedure tells how to repair and refinish pin (35A - series).
- B. Refer to the Standard Overhaul Practices Manual (SOPM) for the standard practices shown in the repair.
- C. Refer to IPL Figure 1 for item numbers.
- D. General repair details:
 - (1) Material: 15-5PH CRES, 180-200 ksi
 - (2) Shot peen: All surfaces, but not on threads
 - Shot Size 0.016-0.033
 - Intensity 0.008-0.013A2
 - Coverage 2.0
 - Hard Shot Rc 55-65

2. Repair and Refinish

A. References

Reference	Title
32-00-05	Repair of High Strength Steel Landing Gear Parts
SOPM 20-10-01	REPAIR AND REFINISH OF HIGH STRENGTH STEEL PARTS
SOPM 20-10-02	MACHINING OF ALLOY STEEL
SOPM 20-10-03	SHOT PEENING
SOPM 20-10-04	GRINDING OF CHROME PLATED PARTS
SOPM 20-20-01	MAGNETIC PARTICLE INSPECTION
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 20-42-03	HARD CHROME PLATING

B. Procedure (REPAIR 8-1, Figure 601)

NOTE: For repair and refinish of high strength steel parts, refer to SOPM 20-10-01. For machining of alloy steel, refer to SOPM 20-10-02. For shot peening, refer to SOPM 20-10-03. For grinding of chrome plated parts, refer to SOPM 20-10-04. For magnetic particle inspection, refer to SOPM 20-20-01. For stripping of protective finishes, refer to SOPM 20-30-02. For general cleaning procedure, refer to SOPM 20-30-03. For the decoding table for Boeing finish codes, refer to SOPM 20-41-01. For hard chrome grinding, refer to SOPM 20-42-03. For repair of high strength steel landing gear parts, refer to 32-00-05.

(1) Repair

- (a) Machine as necessary, within repair limits, to remove defects.
- (b) Build up with chrome plate. Grind to design dimensions and finish.

32-11-09

REPAIR 8-1

Page 601

Jul 01/2008

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



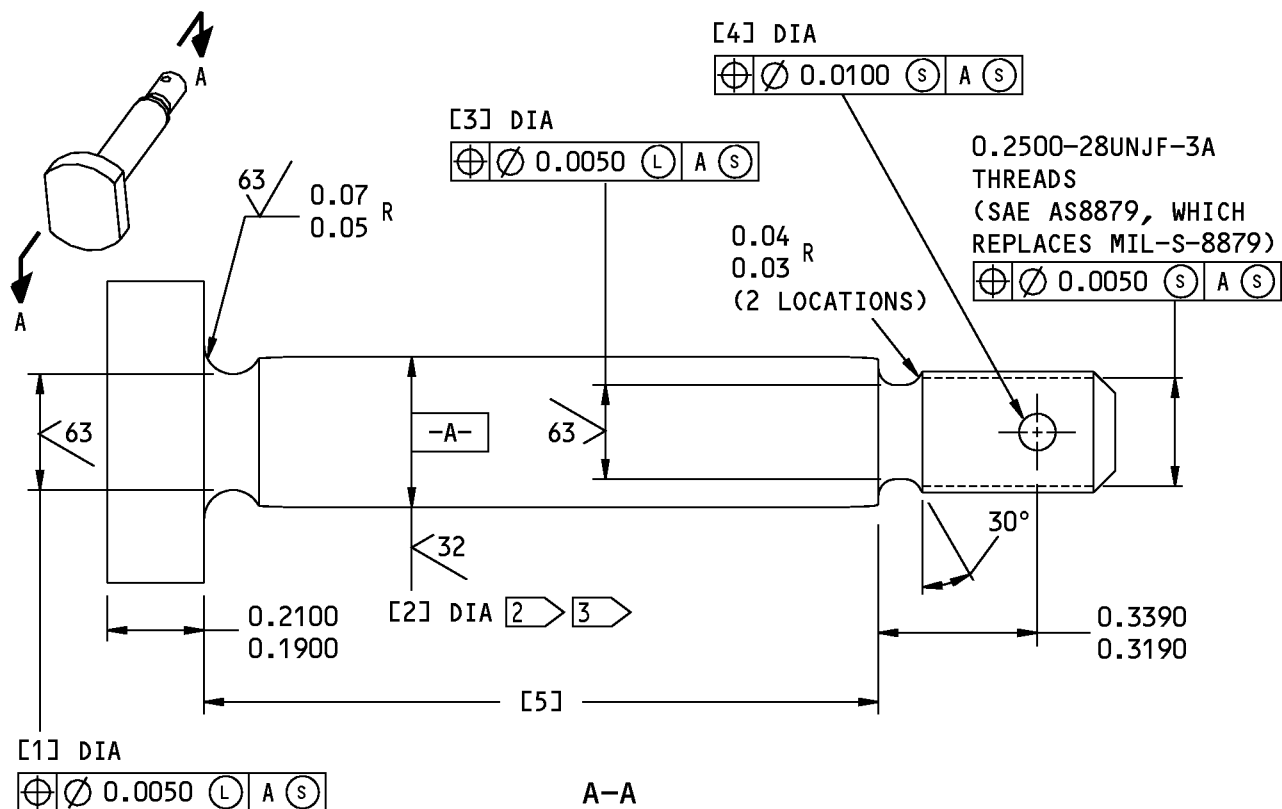
COMPONENT MAINTENANCE MANUAL

- (2) Refinish
 - (a) Chrome plate as indicated.
 - (b) Passivate (F-17.25) other surfaces.

32-11-09

REPAIR 8-1
Page 602
Mar 01/2006

COMPONENT MAINTENANCE MANUAL



REFERENCE NUMBER	[1]	[2]	[3]	[4]	[5]
DESIGN DIMENSION	0.2450 0.2350	0.3115 0.3105 3	0.2000 0.1900	0.0810 0.0760	1.4010 1.3910
REPAIR LIMIT	---	0.2805 4	---	---	---

- 1 PART AND SERIAL NUMBER LOCATION
- 2 CHROME PLATE (F-15.34), 0.003-0.005 THICK
- 3 AFTER PLATING
- 4 LIMIT FOR CHROME PLATE BUILDUP AND GRIND TO DESIGN DIMENSIONS AND FINISH

REPAIR

125/ ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

BREAK ALL SHARP EDGES 0.030-0.060 R UNLESS SHOWN BY 3

ALL DIMENSIONS ARE IN INCHES

485056 S0004996755_V3

161A2318-1, -2 Downlock Actuator Pin Repair and Refinish
Figure 601

32-11-09

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



COMPONENT MAINTENANCE MANUAL

ASSEMBLY

(NOT APPLICABLE)

32-11-09

ASSEMBLY

Page 701

Mar 01/2006

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



COMPONENT MAINTENANCE MANUAL

FITS AND CLEARANCES

(NOT APPLICABLE)

32-11-09

FITS AND CLEARANCES

Page 801

Mar 01/2006

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



COMPONENT MAINTENANCE MANUAL

SPECIAL TOOLS, FIXTURES, AND EQUIPMENT

(NOT APPLICABLE)

32-11-09

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

32-11-09

ILLUSTRATED PARTS LIST
 Page 1001
 Nov 01/2008

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



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.

32-11-09

ILLUSTRATED PARTS LIST

Page 1002

Jul 01/2006



COMPONENT MAINTENANCE MANUAL

NUMERICAL INDEX

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
		1		6
161A0101-1		1	30A	RF
		3	1A	RF
161A0101-2		3	5B	1
161A0101-3		3	10A	1
161A0102-2		1	200	RF
161A1191-1		1	5A	RF
161A1191-2		1	5B	RF
161A1191-3		1	5C	RF
161A1192-1		1	10B	RF
		2	1A	RF
161A1192-2		2	10A	1
161A1192-3		1	10C	RF
		2	1B	RF
161A1192-4		2	10B	1
161A1192-5		1	10D	RF
		2	1C	RF
161A1192-6		2	10C	1
161A1192-7		1	10E	RF
		2	1D	RF
161A1192-8		2	10D	1
161A1193-1		2	5A	1
161A1193-2		2	5B	1
161A1194-1		1	205	RF
161A1194-2		1	205A	RF
161A2125-2		1	210	RF
161A2125-4		1	215	RF
161A2126-1		1	220	RF
161A2126-2		1	225	RF
161A2127-1		1	240	RF
161A2303-1		1	230	RF
161A2318-1		1	35A	RF
161A2318-2		1	35B	RF
161A2330-1		1	15A	RF

32-11-09

ILLUSTRATED PARTS LIST
 Page 1003
 Jul 01/2009

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



COMPONENT MAINTENANCE MANUAL

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
161A2330-2		1	15B	RF
161A2330-3		1	15C	RF
161A2330-4		1	15D	RF
161A2330-5		1	15E	RF
161A2330-6		1	15F	RF
161A2331-1		1	20A	RF
161A2331-2		1	20B	RF
161A2332-1		1	25A	RF
161A2332-2		1	25B	RF
161A2332-3		1	25C	RF
161A2333-1		1	235	RF
273A2208-1		1	245	RF
273A2208-2		1	250	RF
273A2208-3		1	255	RF

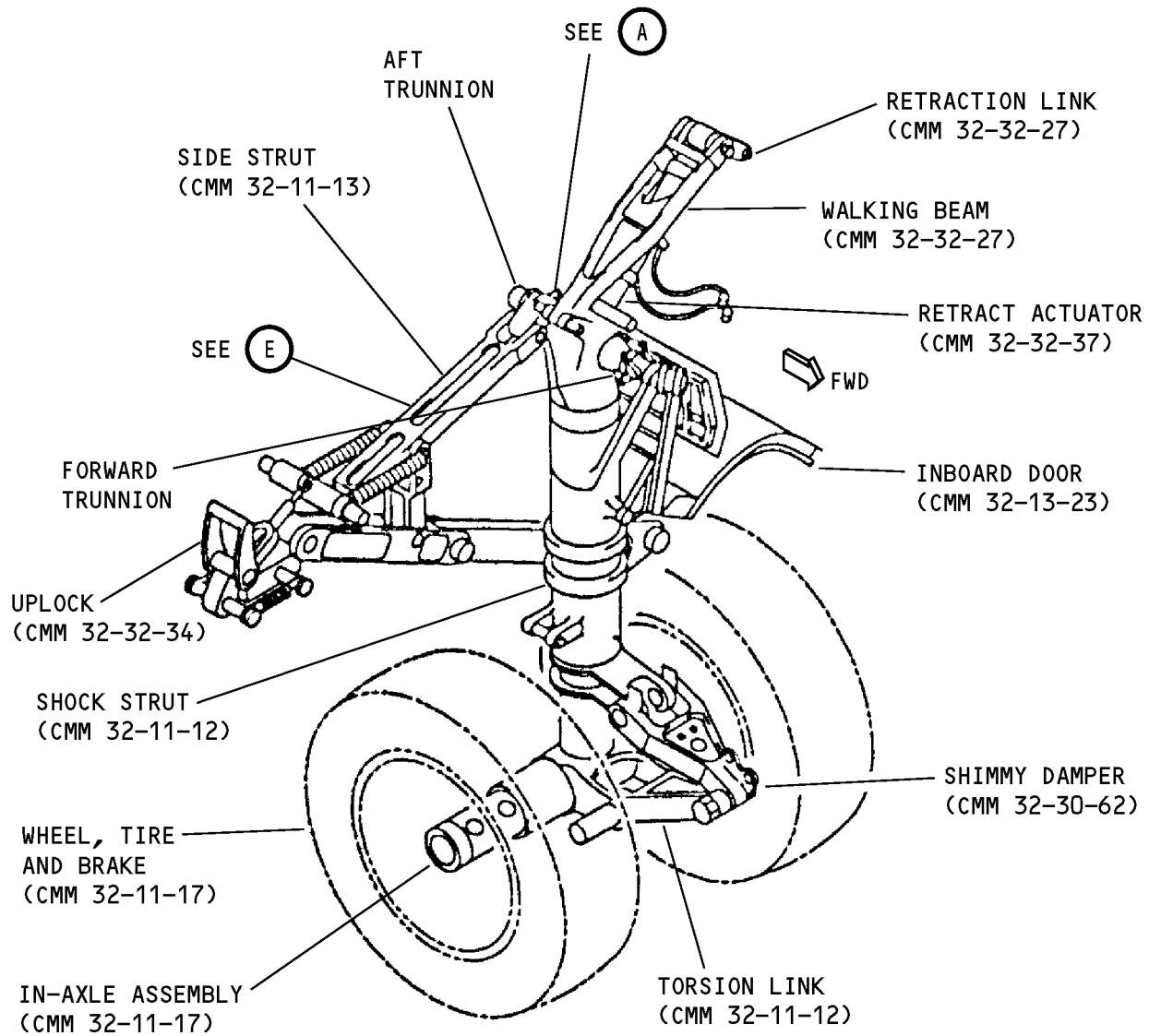
32-11-09

ILLUSTRATED PARTS LIST

Page 1004

Nov 01/2008

COMPONENT MAINTENANCE MANUAL



Main Landing Gear Installation Components
 IPL Figure 1 (Sheet 1 of 7)

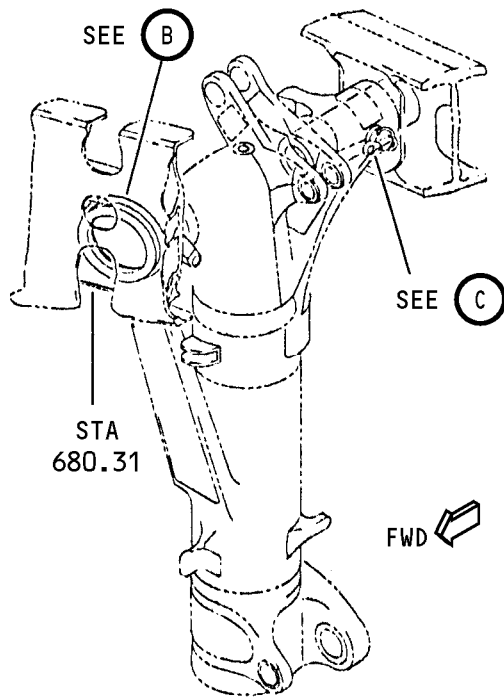
32-11-09

ILLUSTRATED PARTS LIST

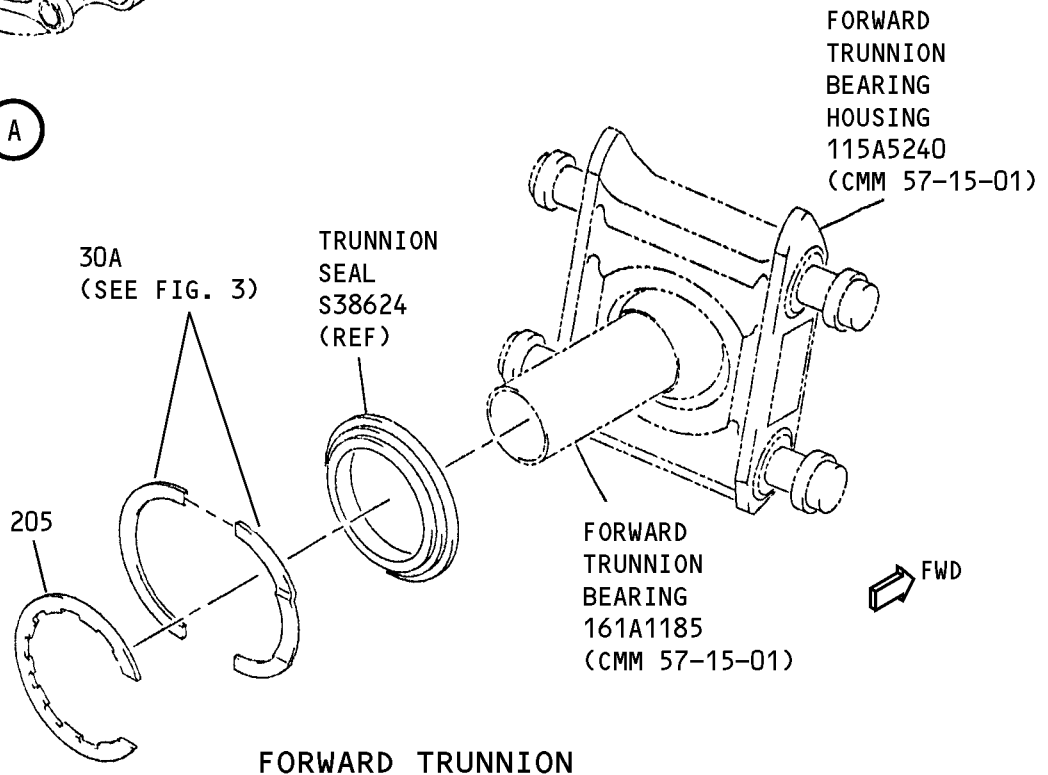
Page 1005

Jul 01/2008

COMPONENT MAINTENANCE MANUAL



(A)



(B)

Main Landing Gear Installation Components
IPL Figure 1 (Sheet 2 of 7)

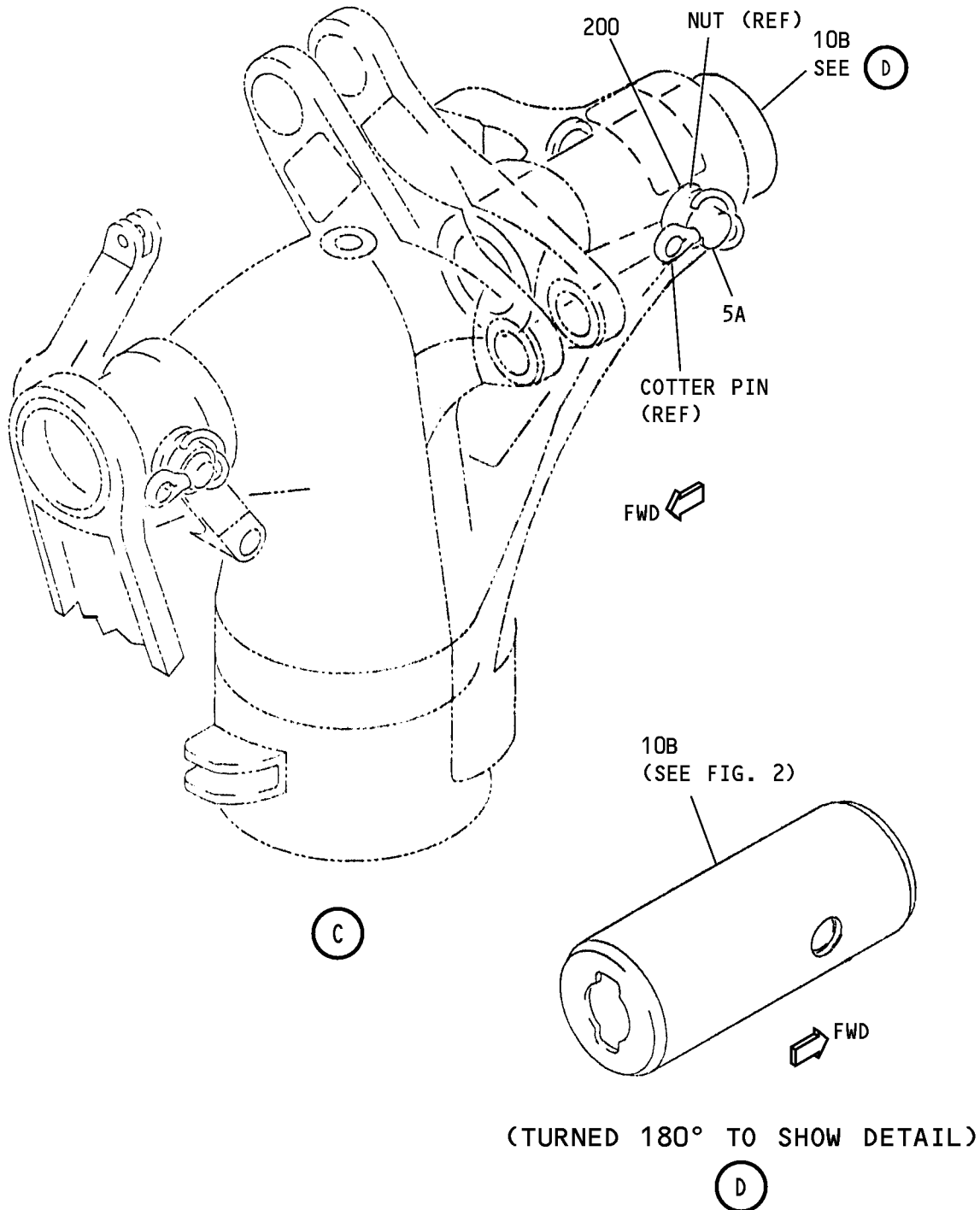
32-11-09

ILLUSTRATED PARTS LIST

Page 1006

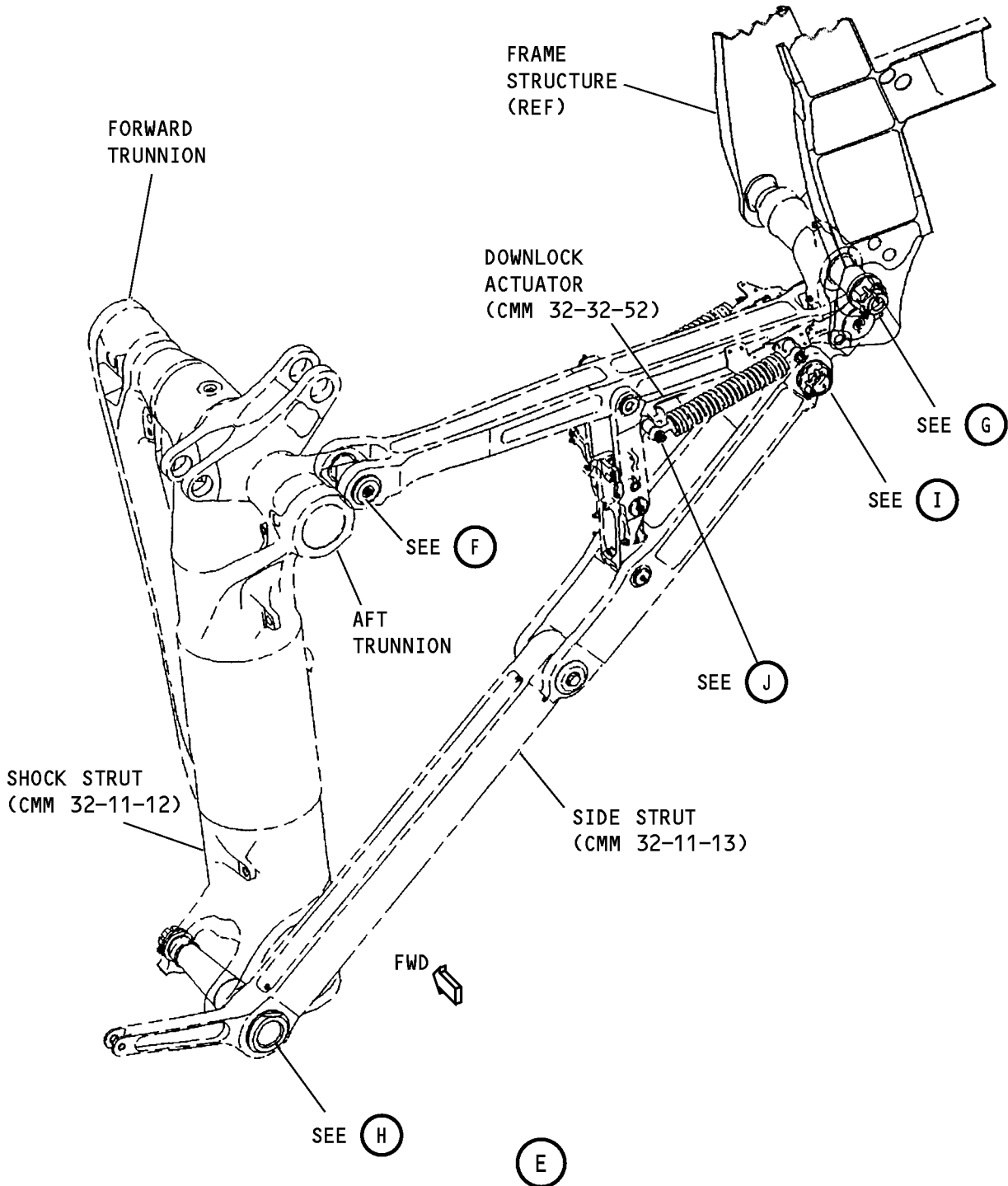
Jul 01/2008

COMPONENT MAINTENANCE MANUAL



395689 S0004996760_V3

Main Landing Gear Installation Components
IPL Figure 1 (Sheet 3 of 7)



395711 S0004996761_V2

Main Landing Gear Installation Components
IPL Figure 1 (Sheet 4 of 7)

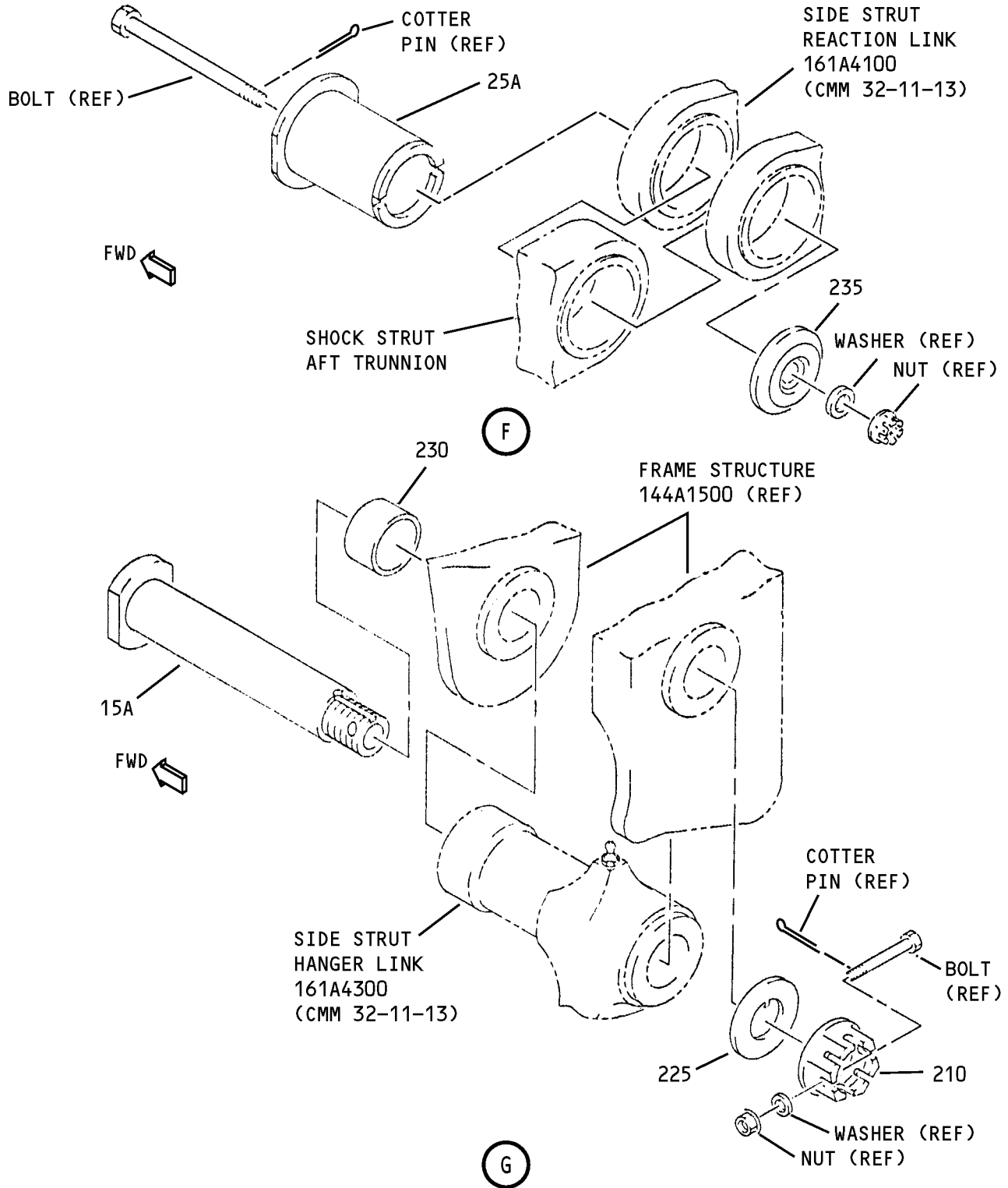
32-11-09

ILLUSTRATED PARTS LIST

Page 1008

Nov 01/2008

COMPONENT MAINTENANCE MANUAL



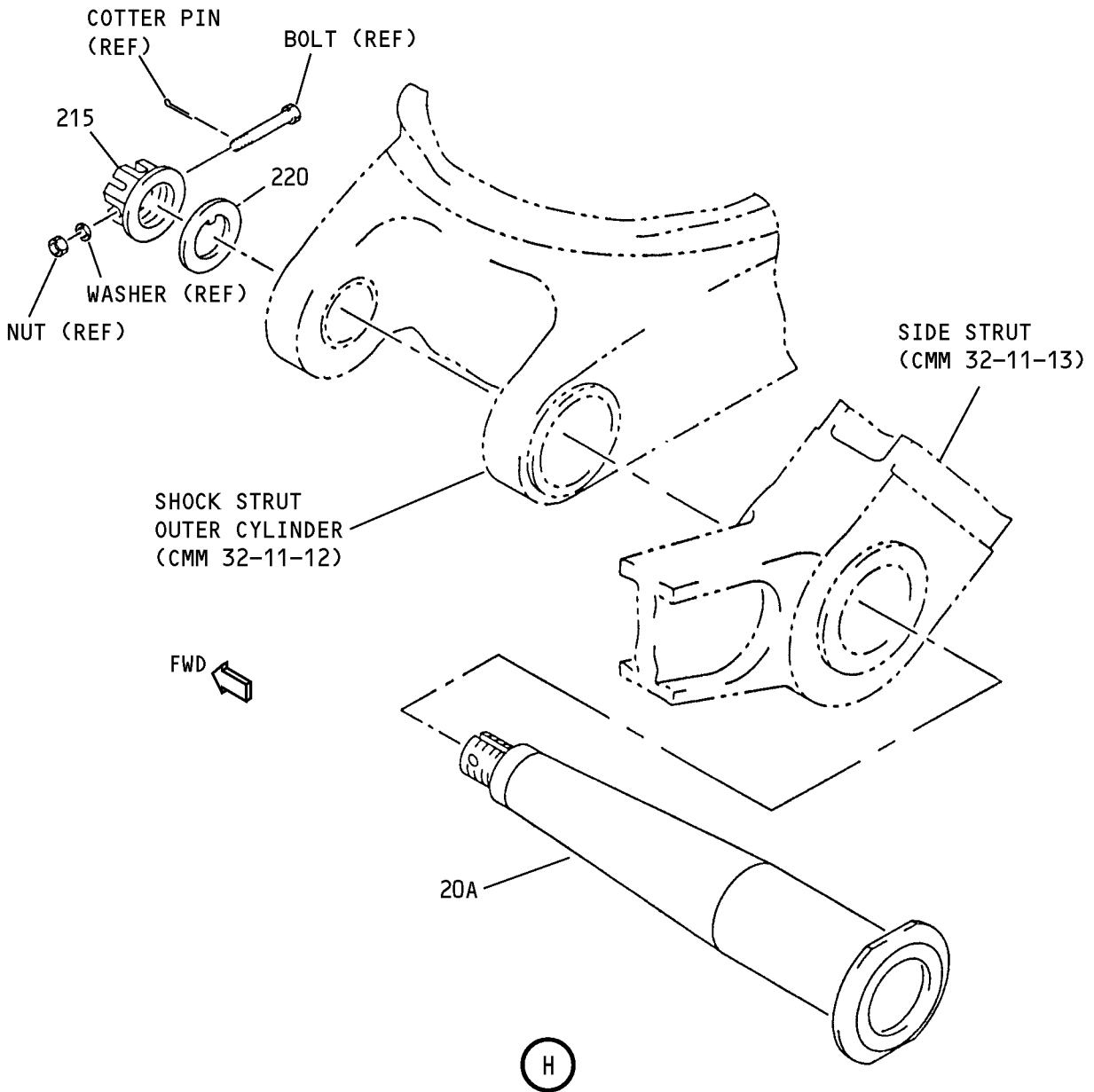
Main Landing Gear Installation Components
 IPL Figure 1 (Sheet 5 of 7)

32-11-09

ILLUSTRATED PARTS LIST

Page 1009

Jul 01/2008



Main Landing Gear Installation Components
IPL Figure 1 (Sheet 6 of 7)

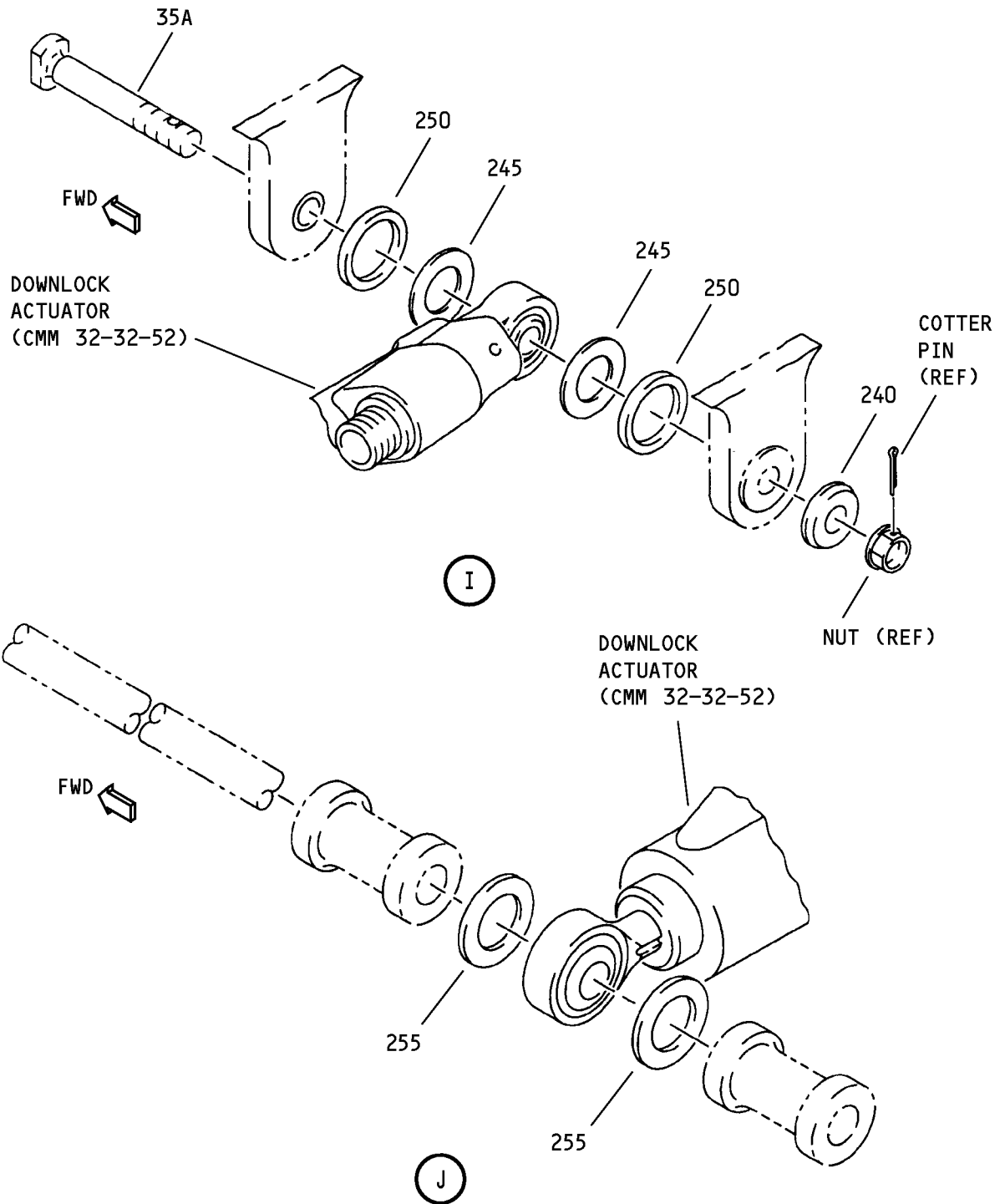
32-11-09

ILLUSTRATED PARTS LIST

Page 1010

Jul 01/2008

COMPONENT MAINTENANCE MANUAL



485072 S0004996764_V2

Main Landing Gear Installation Components
IPL Figure 1 (Sheet 7 of 7)

32-11-09

ILLUSTRATED PARTS LIST

Page 1011

Nov 01/2008



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1-			MAIN LANDING GEAR INSTALLATION COMPONENTS								
1A	161A6301-1		DELETED								
5	161A6302-1		DELETED								
5A	161A1191-1		PIN-AFT TRUNNION CROSSBOLT								RF
-5B	161A1191-2		PIN-AFT TRUNNION CROSSBOLT								RF
-5C	161A1191-3		PIN-AFT TRUNNION CROSSBOLT								RF
10	161A6303-1		DELETED								
10A	161A6303-2		DELETED								
10B	161A1192-1		PIN ASSY-AFT TRUNNION BEARING (FOR DETAILS SEE FIG. 2)								RF
-10C	161A1192-3		PIN ASSY-AFT TRUNNION BEARING (FOR DETAILS SEE FIG. 2)								RF
-10D	161A1192-5		PIN ASSY-AFT TRUNNION BEARING (FOR DETAILS SEE FIG. 2)								RF
-10E	161A1192-7		PIN ASSY-AFT TRUNNION BEARING (FOR DETAILS SEE FIG. 2)								RF
-15	161A1500-1		DELETED								
15A	161A2330-1		PIN-BODY JOINT								RF
-15B	161A2330-2		PIN-BODY JOINT								RF
-15C	161A2330-3		PIN-BODY JOINT								RF
-15D	161A2330-4		PIN-BODY JOINT								RF
-15E	161A2330-5		PIN-BODY JOINT								RF
-15F	161A2330-6		PIN-BODY JOINT								RF
-20	161A1500-2		DELETED								
20A	161A2331-1		PIN-SIDE STRUT								RF
20B	161A2331-2		PIN-SIDE STRUT								RF
-25	161A6300-1		DELETED								
25A	161A2332-1		PIN-SIDE STRUT								RF
-25B	161A2332-2		PIN-SIDE STRUT								RF
-25C	161A2332-3		PIN-SIDE STRUT								RF
-30	115A5260-1		DELETED								

-Item not Illustrated

32-11-09

ILLUSTRATED PARTS LIST
Page 1012
Jul 01/2008



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
1-											
30A	161A0101-1										RF
-35	115A5280-1										
35A	161A2318-1										RF
-35B	161A2318-2										RF
-40	115A5281-1										
-45	115A5282-1										
-50	115A5283-1										
-55	115A5284-1										
-60	115A5240-1										
-65	161A1185-1										
-65A	161A1185-3										
-65B	161A1185-5										
200	161A0102-2										RF
205	161A1194-1										RF
-205A	161A1194-2										RF
210	161A2125-2										RF
215	161A2125-4										RF
220	161A2126-1										RF
225	161A2126-2										RF
230	161A2303-1										RF
235	161A2333-1										RF
240	161A2127-1										RF
245	273A2208-1										RF
250	273A2208-2										RF
255	273A2208-3										RF

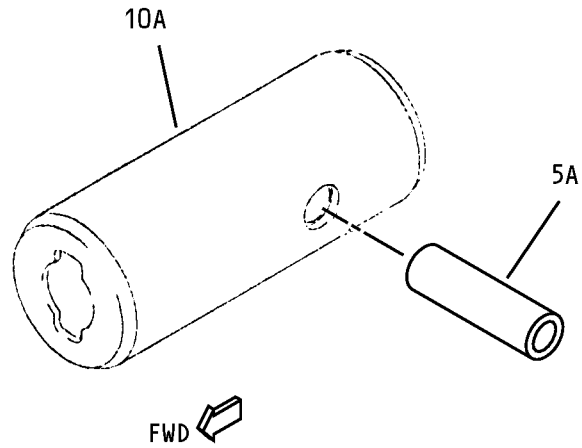
-Item not Illustrated

32-11-09

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



COMPONENT MAINTENANCE MANUAL



Aft Trunnion Bearing Pin Assembly
IPL Figure 2

32-11-09

ILLUSTRATED PARTS LIST

Page 1014

Jul 01/2008



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
2-											
-1	161A1500-1										
-1A	161A1192-1									A	RF
-1B	161A1192-3									B	RF
-1C	161A1192-5									C	RF
-1D	161A1192-7									D	RF
-5	161A1500-2										
5A	161A1193-1									ABC	1
-5B	161A1193-2									D	1
10	NAS6703U14										
10A	161A1192-2									A	1
-10B	161A1192-4									B	1
-10C	161A1192-6									C	1
-10D	161A1192-8									D	1
15	NAS1149C0363R										
20	H01-31BAC										
25	BACB28AK03-035										
30	161A1504-1										
35	NAS1802-4D8										
40	NAS1149C0463R										
45	161A1505-1										
50	161A1503-1										
-55	161A1503-2										
60	161A1502-1										
65	161A1502-2										
70	161A1502-3										
75	161A1501-1										
80	MS15001-1										
80A	MS15004-1										
85	161W7010-1										
90	161A1501-2										

-Item not Illustrated

32-11-09

ILLUSTRATED PARTS LIST

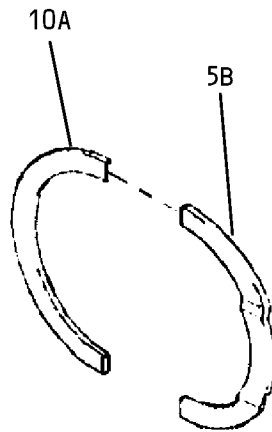
Page 1015

Nov 01/2006

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



COMPONENT MAINTENANCE MANUAL



Support Ring Assembly
IPL Figure 3

32-11-09
ILLUSTRATED PARTS LIST
Page 1016
Jul 01/2008



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
3-											
-1	161A6300-1										
-1A	161A0101-1										RF
5	S012T235-17-79										
5A	S012T235-17										
5B	161A0101-2										1
10	NAS509-8C										
10A	161A0101-3										1
15	NAS1193K8CP										
20	BCREF10585										
25	161A6300-2										

-Item not Illustrated

32-11-09

ILLUSTRATED PARTS LIST

Page 1017

Mar 01/2006

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



COMPONENT MAINTENANCE MANUAL

FIGURE DELETED

Deleted
IPL Figure 4

32-11-09
ILLUSTRATED PARTS LIST
Page 1018
Jul 01/2008



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
4-											
1A	115A5260-1										
5	115A5280-1										
10	115A5281-1										
15	115A5282-1										
20	115A5283-1										
-25	115A5284-1										

-Item not Illustrated

32-11-09

ILLUSTRATED PARTS LIST

Page 1019

Mar 01/2006

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



COMPONENT MAINTENANCE MANUAL

FIGURE DELETED

Deleted
IPL Figure 5

32-11-09
ILLUSTRATED PARTS LIST
Page 1020
Jul 01/2008



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY	
			1	2	3	4	5	6	7			
5-												
-1A	115A5240-1											DELETED
5	115A5230-1											DELETED
10	115A5240-3											DELETED

-Item not Illustrated

32-11-09

ILLUSTRATED PARTS LIST

Page 1021

Mar 01/2006

161A0101, 161A1191, 161A1192,
161A2125, 161A2318, 161A2330,
161A2331, 161A2332, 161A2333



COMPONENT MAINTENANCE MANUAL

FIGURE DELETED

Deleted
IPL Figure 6

32-11-09
ILLUSTRATED PARTS LIST
Page 1022
Jul 01/2008



COMPONENT MAINTENANCE MANUAL

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE							USAGE CODE	UNITS PER ASSY
			1	2	3	4	5	6	7		
6-											
-1A	161A1185-1										
-1B	161A1185-3										
-1C	161A1185-5										
5	161A1203-1										
10	161A1187-1										
15	161A1187-2										
20	161A1187-3										
25	161A1188-1										
-25A	161A1188-3										
-25B	161A1188-5										
30	161A1189-1										
-30A	161A1189-2										
35	161A1188-2										
-35A	161A1188-4										
-35B	161A1188-6										

-Item not Illustrated

32-11-09

ILLUSTRATED PARTS LIST

Page 1023

Mar 01/2006