TO: ALL HOLDERS OF FORWARD ENTRY/SERVICE DOOR HANDLE MECHANISM ASSEMBLY
COMPONENT MAINTENANCE MANUAL 52-11-12

REVISION NO. 15 DATED NOV 01/04

HIGHLIGHTS

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

CHAPTER/SECTION AND PAGE NO.	DESCRIPTION OF CHANGE
REPAIR-GEN 602-604 REPAIR 3-1 601-602 REPAIR 6-1 601 REPAIR 15-1 601 REPAIR 17-1 601-602 REPAIR 24-1 601 REPAIR 25-1 601 REPAIR 26-1 601 REPAIR 27-1 601-606 REPAIR 28-1 601 1044,1080I-1080J	Added clarifications and updated callouts.

BOEING

COMPONENT
MAINTENANCE MANUAL

FORWARD ENTRY/SERVICE DOOR HANDLE MECHANISM ASSEMBLY

PART NUMBERS 141T6136-3,-4,-7,-8,-23,-24, -29,-30,-33,-34,-51, -52,-55,-59,-60

COMPONENT MAINTENANCE MANUAL
WITH
ILLUSTRATED PARTS LIST

60570

REVISION RECORD

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

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TEMPORARY REVISION AND SERVICE BULLETIN RECORD

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVE	DATE OF INCORPORATION INTO MANUAL
		PRR B10014-1	OCT 10/82
		PRR B10370	OCT 10/82
		PRR B10500-11	OCT 10/82
		PRR B10558	OCT 10/82
		PRR B10642	OCT 10/82
		PRR B11462	OCT 10/86
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INTRODUCTION

The instructions in this manual provide the information necessary to perform maintenance functions ranging from simple checks and replacement to complete shop-type repair.

This manual is divided into separate sections:

1. Title Page
2. Record of Revisions
3. Temporary Revision & Service Bulletin Record
4. List of Effective Pages
5. Table of Contents
6. Introduction
7. Procedures & IPL Sections

Refer to the Table of Contents for the page location of applicable sections. An asterisked flagnote *[ ] in place of the page number indicates that no special instructions are provided since the function can be performed using standard industry practices.

The beginning of the REPAIR section includes a list of the separate repairs, a list of applicable standard Boeing practices, and an explanation of the True Position Dimensioning symbols used.

An explanation of the use of the Illustrated Parts List is provided in the Introduction to that section.

All weights and measurements used in the manual are in English units, unless otherwise stated. When metric equivalents are given they will be in parentheses following the English units.

Design changes, optional parts, configuration differences and Service Bulletin modifications create alternate part numbers. These are identified in the Illustrated Parts List (IPL) by adding an alphabetical character to the basic item number. The resulting item number is called an alpha-variant. Throughout the manual, IPL basic item number references also apply to alpha-variants unless otherwise indicated.

Verification:

Disassembly	Mar 4/83
Assembly	Mar 4/83

FORWARD ENTRY/SERVICE DOOR HANDLE MECHANISM ASSEMBLY

DESCRIPTION AND OPERATION

1. Description

A. For the Forward Entry/Service Doors of 767 passenger airplanes:

(1) The door handle mechanism assembly consists of an inside handle assembly, external handle assembly, cam assembly, arming handle assembly, arming lever release system and warning flag arm all interconnected and mounted on a support assembly.

(2) The inside handle assembly and external handle assembly are connected thru adjustable lug assemblies. The arming handle assembly connects to the arming lockout system thru sector assembly and also connects to the cam assembly via a link assembly.

(3) Two overcenter springs provide overcenter force while disarming the escape slide system from the exterior; only one when operated from the interior.

B. For the Forward Entry Door of 767 freighter airplanes:

(1) The door handle mechanism assembly consists of an interior handle assembly, an exterior handle assembly, a cam assembly (also referred to as an exterior primary capture lever) and an interior secondary capture handle assembly all interconnected and mounted on a support assembly.

(2) The interior handle assembly and the exterior handle assembly are connected through an adjustable lug assembly.

2. Operation

A. For the Forward Entry/Service Doors of 767 passenger airplanes:

(1) The door handle mechanism provides means to latch and unlatch passenger/service door assembly. It also connects to the escape slide system which disarms the deployment of slide during normal operation and deploys the slide in emergency situation.

(2) During normal operation, opening the door from inside the airplane is done as follows:

(a) Move arming handle assembly to disarm position, this will disengage the escape slide system. The lever release button will extend when the lever reaches the DISARMED position.

(b) Rotate inside handle assembly upward to open the door. External handle assembly will remain stowed during this operation.

(3) During emergency operation, with the interior arm/disarm lever in the armed position, moving the inside handle assembly upward will open the door and deploy the escape slide.

(4) Opening the door from the outside requires pushing the cam assembly inward which will disengage the escape slide system then lift the external handle assembly up to open the door.

(5) The door may be latched from both inside or outside the airplane by moving either handle assembly to the closed position.

(6) Arming the slide escape system can only be done from inside the airplane. To arm the system, push the lever release button and move the interior arm/disarm lever fully outboard.

(7) An adjustable eccentric bushing located in the external handle assembly provides adjustment to reduce lost motion between inside and external handle assemblies.

(8) To close the door using the external handle, a spring-loaded pin in the handle engages a hole in the external handle shaft.

B. For the Forward Entry Door of 767 Freighter airplanes:

(1) The door handle mechanism assembly provides a means to latch and unlatch the forward entry door.

(2) Opening the door from outside the airplane requires pushing the primary capture lever inward and then lifting the exterior handle assembly up to open the door. To prevent the movement of the interior handle when the exterior handle is used, a clutch mechanism has been installed at the rotation point of the interior handle.

(3) To open the door from inside the airplane, the interior handle assembly is rotated upward (when the interior and exterior capture levers are in the secured position). The external handle assembly will remain stowed during this operation.

(4) The interior secondary capture lever or the exterior primary capture lever can release or capture the exterior door handle. The exterior primary capture lever, when inboard, mechanically releases the exterior operating handle and connects the handle to its shaft. When the primary capture lever is faired, it secures the exterior operating handle down mechanically and disconnects the handle from its shaft.

(5) The door may be latched from both inside or outside the airplane by moving either handle assembly to the closed position.

(6) An adjustable eccentric bushing located in the exterior handle assembly provides adjustment to reduce lost motion between the interior and the exterior handle assemblies.

3. Leading Particulars (approximate)

Height -- 30 inches
Width -- 15 inches
Depth -- 8 inches
Weight -- 31 lbs.

DISASSEMBLY

NOTE: Disassemble this component only as necessary to complete fault isolation, determine the serviceability of parts, perform required repairs, and restore the unit to serviceable condition.

1. Parts Replacement

NOTE: The following parts are recommended for replacement. Unless otherwise noted, actual replacement of parts may be based on in-service experience.

A. Lockwire

B. Cotter pin (471, IPL Fig. 1)

2. Disassembly of the Handle Mechanism Assembly (IPL Fig. 1)

Used on Forward Entry/Service Doors of 767 Passenger Airplanes:

WARNING: RESTRAIN INSIDE AND OUTSIDE HANDLE ASSEMBLY (141 AND 945) TO PREVENT PERSONNEL INJURY FROM INADVERTENT HANDLE TRAVEL.

A. Disconnect and remove handle assembly (141) and shaft assembly (174).

(1) Remove parts (6 thru 15) and separate lug assembly (30) from shaft assembly (174).

(2) Remove parts (18 thru 27) and separate lug assembly (57) and cam assembly (28) from shaft assembly (924).

(3) Remove bolts (42, 48), washers (45, 51, 54) and separate lug assemblies (30, 57).

NOTE: Do not disassemble lug assemblies (30, 57) unless necessary for repair or replacement.

(4) Remove bolt (81), washer (84) and remove adapter assembly (75) from shaft assembly (174).

NOTE: Do not disassemble adapter assembly unless necessary for repair or replacement.

(5) Remove parts (102 thru 114) and separate lever assembly (99) and cap (129) from shaft assembly (174).

(6) For handle assemblies without clutch mechanism –

(a) Loosen nuts (138, 156). Back off bolt (165) and remove adapter (162). Remove bolt (165), washer (168) and nut (171) from adapter (162). Remove parts (132, 135, 138, 150, 153, 156) and remove handle assembly (141) and spacer (159).

NOTE: Do not disassemble handle assembly (141) unless repair or replacement is necessary.

(7) For handle assemblies with clutch mechanism (IPL Fig. 1 and 6) –

(a) Loosen nuts (156, 157K). Back off screw (173C) and remove bearings (160), spacer (158M), clutch assembly (157), and adapter (173J). Remove screw (173C), washer (173E), and nut (171) from adapter (173J). Remove parts (150, 153, 156) and remove handle assembly (141) and spacer (159).

(b) Disassemble handle assembly (141, IPL Fig. 1; 1, IPL Fig. 6) by removing pins (45, 50, IPL Fig. 6), spring cartridge (80, IPL Fig. 6), washers (75, IPL Fig. 6), and pawl assembly (55, IPL Fig. 6).

NOTE: Do not disassemble handle assembly (141, IPL Fig. 1; 1, IPL Fig. 6) unless repair or replacement is necessary.

(8) Remove shaft assembly (174), bearings (186), washers (177, 180) and spring (183) from support assembly (984).

NOTE: Do not disassemble shaft assembly (174) unless necessary for repair or replacement.

B. Remove lever assembly (201).

(1) Remove parts (189 thru 198) and disconnect lever assembly (201) from link assembly (246).

(2) Remove parts (225 thru 231) and remove lever assembly (201) from support assembly (984).

NOTE: Do not disassemble lever assembly unless necessary for repair or replacement.

C. Remove parts (234 thru 243) and remove link assembly (246).

D. Remove parts (258 thru 285) and remove link assembly (288).

E. Remove parts (300 thru 306) and remove lever assembly (309) from shaft (456).

CAUTION: DELETED

F. Carefully remove parts (321 thru 330) and remove housing assembly (333), spring (342) and washers (345).

NOTE: Do not disassemble housing assembly unless necessary for repair or replacement.

G. Remove parts (348A thru 357) and remove piston assembly (360) from sector assembly (438).

NOTE: Do not disassemble piston assembly (360) unless necessary for repair or replacement.

H. Remove ring (369), bolt (372), washer (375) and remove handle assembly (378) and lever assembly (387A). Remove nut (390) and retainer (393) from lever (396A).

NOTE: Do not disassemble handle assembly unless necessary for repair or replacement.

I. Remove parts (399 thru 405) and remove adapter (408).

J. Remove parts (411 thru 417).

K. Remove bolt (432A), washer (435).

L. Remove shaft (456), lever assembly (420) and sector assembly (438). Remove washers (459), spring (465) and bearings (468) from support assembly (984). Remove nut (441), retainer (444) from sector (453).

M. Remove cotter pin (471), washer (474), pin (477) and remove washers (480), spacers (483), spring (486) and lever assembly (489). Remove screw (516B), spacer (519), washer (522) and button (525A).

N. Remove setscrews (528) from support assembly (531).

O. Remove parts (537 thru 549) and separate support assembly (531) from handle support assembly (984).

P. Shaft (723A) removal.

WARNING: SPRING (585) IS PRELOADED. USE EXTREME CARE DURING REMOVAL OR INJURY TO PERSONNEL MAY RESULT.

(1) Remove nut (570), washer (564) and carefully free guide assembly (573) from bolt (561). Remove guide assembly (573) and spring (585). Remove bolt (561) and washer (567).

NOTE: Do not disassemble guide assembly unless necessary for repair or replacement.

(2) Remove parts (588 thru 597) and remove guide assembly (600) from lever assembly (624).

NOTE: Do not disassemble guide assembly unless necessary for repair or replacement.

(3) Remove parts (615 thru 621) and remove lever assembly (624). Remove bearing (720) and washers (714).

NOTE: Do not disassemble lever assembly or remove bearing unless necessary for repair or replacement.

(4) Remove cotter pin (665H), nut (666B), washer (669) and lever assembly (672). Remove parts (675 thru 690) from lever assembly (672).

(5) Push cam assembly (645) inward to release handle assembly (945). Move handle assembly (945) up to expose cam assembly (645). Rotate cam assembly as required to gain access to bolt (636), washer (639), and nut (642). Remove parts (636 thru 642).

(6) Remove shaft (723A), cam assembly (645), crank (693), spacers (705 thru 711), washers (714), spring (717) and bearing (720) from support assembly (984).

(7) Remove parts (696 thru 702) from crank (693).

Q. Remove parts (732 thru 753) and stop assembly (726).

R. For handle assemblies with handle detent mechanism -

(1) Detach springs (878) from idler assembly (73M) posts and terminal (893) posts.

(2) Disconnect idler assembly (73M) from cam bracket assembly (74G) by removing pin (73G).

(3) Remove cam bracket assembly (74G) from handle support assembly (984) by removing bolts (74A), and washers (74C).

S. Remove shaft assembly (924) and handle assembly (945).

(1) Remove nut (879), washers (882, 885).

(2) Remove bolts (887, 888, 889), washers (890, 891), terminal (893), retainer (894) and shim (897).

(3) With handle assembly (945) in the open position, remove bolts (840), washers (843) and slide retainer (846) and spring (861) down. Remove pin (849).

(4) Remove bolt (825), bushings (831) and nut (828). Remove rod end assembly (870) with attached parts.

(5) Carefully remove shaft assembly (924) and separate handle assembly from support assembly (984).

(6) Remove bearings (900, 921), washers (903, 909, 918), spacer (906), seal (912) and ring (915).

T. Remove bolt (768), washer (771), nut (774), roller assembly (780) and bushing (777) from support (801).

U. Remove bolts (789), washers (792), nuts (795), shim (798) and support (801) from handle assembly (945).

V. Loosen nut (864) and remove shaft (858) and washer (867). Remove nut (864), retainer (846), spring (861). Remove retainer (852), bushing (855) from handle assembly (945).

NOTE: Note position of bushing (855) and retainer (852) to aid assembly.

W. Remove bolt (804), washer (807) and nut (810) and remove roller assembly (816) and bushing (813).

CAUTION: LEVERS (834, 837) ARE MATCHED PARTS AND MUST BE KEPT TOGETHER WITH CLIP (833) TO PREVENT BACKWARDS INSTALLATION AND TO ENSURE PROPER OPERATION AFTER ASSEMBLY.

X. Separate levers (834, 837) and remove clip (833) and rod end assembly (870). Keep levers (834, 837) together as a matched set.

NOTE: Do not disassemble rod end assembly unless necessary for repair or replacement.

Y. Remove parts (951A thru 981A) from support assembly (984) as required.

NOTE: Do not remove nutplates or bushings from support unless necessary for repair or replacement.

3. Disassembly of the Handle Mechanism Assembly (IPL Fig. 9) Used on the Forward Entry Doors of 767 Freighter Airplanes:

WARNING: RESTRAIN INSIDE AND OUTSIDE HANDLE ASSEMBLY (153 AND 720) TO PREVENT PERSONNEL INJURY FROM INADVERTENT HANDLE TRAVEL.

A. Disconnect and remove handle assembly (153A) and shaft assembly (213).

(1) Remove parts (3 thru 12) and separate lug assembly (36) from shaft assembly (213).

(2) Remove parts (15 thru 21) and separate lug assembly (63) and cam assembly (24) from shaft assembly (705).

(3) Remove bolts (48, 54), washers (51, 57, 60) and separate lug assemblies (36, 63).

NOTE: Do not disassemble lug assemblies (36, 63) unless necessary for repair or replacement.

(4) Remove bolt (105), washer (108) and remove adapter assembly (102) from shaft assembly (213).

NOTE: Do not disassemble adapter assembly unless necessary for repair or replacement.

(5) Remove parts (123 thru 135) and separate lever assembly (120) and cap (150) from shaft assembly (213).

(6) For handle assemblies with clutch mechanism (IPL Fig. 9 and 6) -

(a) Loosen nuts (162, 174). Back off screw (201) and remove bearings (186), spacer (180), clutch assembly (165), and adapter (210). Remove screw (201), washer (204), and nut (207) from adapter (210). Remove parts (156, 159, 162) and remove handle assembly (153A) and spacer (183).

(b) Disassemble handle assembly (153A, IPL Fig. 9; 1, IPL Fig. 6) by removing pins (45, 50, IPL Fig. 6), spring cartridge (80, IPL Fig. 6), washers (75, IPL Fig. 6), and pawl assembly (55A, IPL Fig. 6).

NOTE: Do not disassemble handle assembly (153A, IPL Fig. 9; 1, IPL Fig. 6) unless repair or replacement is necessary.

(7) Remove shaft assembly (213), bearings (225), washers (216, 219) and spring (222) from support assembly (777).

NOTE: Do not disassemble shaft assembly (213) unless necessary for repair or replacement.

B. Remove parts (228 thru 249) and remove link assembly (252).

C. Remove parts (264 thru 270) and remove lever assembly (273) from shaft (339).

D. Remove ring (285), bolt (288), washer (291) and remove handle assembly (294) and lever assembly (303). Remove nut (306) and retainer (309) from lever (312).

NOTE: Do not disassemble handle assembly unless necessary for repair or replacement.

E. Remove parts (315 thru 321) and remove adapter (324).

F. Remove parts (327 thru 333).

G. Remove shaft (339) and lever assembly (336). Remove washers (342), spring (345) and bearings (348) from support assembly (777).

H. Shaft (501) removal.

WARNING: SPRINGS (375, 378) ARE PRELOADED. USE EXTREME CARE DURING REMOVAL OR INJURY TO PERSONNEL MAY RESULT.

(1) Remove nut (360), washer (357) and carefully free guide assembly (363) from bolt (351). Remove guide assembly (363) and springs (375, 378). Remove bolt (351) and washer (354).

NOTE: Do not disassemble guide assembly unless necessary for repair or replacement.

(2) Remove parts (381 thru 390) and remove guide assembly (393) from lever assembly (417).

NOTE: Do not disassemble guide assembly unless necessary for repair or replacement.

(3) Remove parts (408 thru 414) and remove lever assembly (417). Remove bearing (498) and washers (492).

NOTE: Do not disassemble lever assembly or remove bearing unless necessary for repair or replacement.

(4) Remove cotter pin (456), nut (459), washer (462) and lever assembly (465). Remove parts (468 thru 480) from lever assembly (465).

(5) Push cam assembly (438) inward to release handle assembly (720). Move handle assembly (720) up to expose cam assembly (438). Rotate cam assembly as required to gain access to bolt (429), washer (432), and nut (435). Remove parts (429 thru 435).

(6) Remove shaft (501), cam assembly (438), spacers (483 thru 489), washers (492), spring (495) and bearing (498) from support assembly (777).

I. Remove parts (507 thru 528) and stop assembly (504).

J. For handle assemblies with handle detent mechanism -

(1) Detach springs (651) from idler assembly (90) posts and terminal (672) posts.

(2) Disconnect idler assembly (90) from cam bracket assembly (99) by removing pin (87).

(3) Remove cam bracket assembly (99) from handle support assembly (777) by removing bolts (93) and washers (96).

K. Remove shaft assembly (705) and handle assembly (720).

(1) Remove nut (654), washers (657, 660).

(2) Remove bolts (663, 666), washers (669), terminal (672), retainer (675) and shim (678).

(3) With handle assembly (720) in the open position, remove bolts (612), washers (615) and slide retainer (618) and spring (633) down. Remove pin (621).

(4) Remove bolt (597), bushing (603) and nut (600). Remove rod end assembly (642) with attached parts.

(5) Carefully remove shaft assembly (705) and separate handle assembly from support assembly (777).

(6) Remove bearings (681, 702), washers (684, 690, 699), spacer (687), seal (693) and ring (696).

L. Remove bolt (540), washer (543), nut (546), roller assembly (552) and bushing (549) from support (573).

M. Remove bolts (561), washers (564), nuts (567), shim (570) and support (573) from handle assembly (720).

N. Loosen nut (636) and remove shaft (630) and washer (639). Remove nut (636), retainer (618), spring (633). Remove retainer (624), bushing (627) from handle assembly (720).

NOTE: Note position of bushing (627) and retainer (624) to aid assembly.

O. Remove bolt (576), washer (579) and nut (582) and remove roller assembly (588) and bushing (585).

CAUTION: LEVERS (606, 609) ARE MATCHED PARTS AND MUST BE KEPT TOGETHER TO ENSURE PROPER OPERATION AFTER ASSEMBLY.

P. Separate levers (606, 609) and remove rod end assembly (642). Keep levers (606, 609) together as a matched set.

NOTE: Do not disassemble rod end assembly unless necessary for repair or replacement.

Q. Remove parts (723 thru 774) from support assembly (777) as required.

NOTE: Do not remove nutplates or bushings from support unless necessary for repair or replacement.

CLEANING

1. Clean all parts except sealed bearings using standard industry practices and information contained in 20-30-03.

2. Clean sealed bearings according to manufacturer's instructions.

CHECK

1. Check all parts for obvious defects in accordance with standard industry practices. Refer to Fits and Clearances for design dimensions.

2. Magnetic particle check per 20-20-01 the following listed parts.

   A. IPL Fig. 1

      (1) Fittings (29H, 29N)

      (2) Lugs (39, 72)

      (3) Pin (73G)

      (4) Adapter (93 or 96, 162, 148, 173J)

      (5) Levers (126, 318, 396, 429, 633, 834, 836L, 836R, 837, 839R, 839W

      (6) Cap (129)

      (7) Clutch (157)

      (8) Spacer (158M)

      (9) Spacer (159, 906)

      (10) Spring (342, 861)

      (11) Handle (384)

      (12) Sector (453)

      (13) Shafts (456, 723, 858, 936 or 939)

      (14) Cam (660 or 663)

      (15) Crank (693)

      (16) Stop (756 or 759)

      (17) Bushing (777)

      (18) Rollers (786, 822)

      (19) Support (801)

(20) Lever (834, 837)

(21) Pin (849)

(22) Rod end (876)

(23) Spring (961)

B. IPL Fig. 2

(1) Housing (45)

(2) Shaft (50)

C. IPL Fig. 3

(1) Lever (30A)

D. IPL Fig. 8

(1) Bracket (15, 20)

(2) Fittings (25, 30)

E. IPL Fig. 9

(1) Cam bracket (33)

(2) Fitting (33A)

(3) Lug (45, 78)

(4) Adapter (117, 210, 324)

(5) Lever (147, 282, 312, 336, 426)

(6) Cap (150)

(7) Clutch (177)

(8) Spacer (180, 183, 687)

(9) Washer (216, 690)

(10) Shaft (339, 501, 630)

(11) Cam (450)

(12) Stop (531)

(13) Bushing (549, 585, 603)

(14) Roller (558, 594)

(15) Support (573)

(16) Retainer (618, 624)

(17) Pin (621)

(18) Spring (633, 750)

3. Penetrant check per 20-20-02 the following listed parts.

A. IPL Fig. 1

(1) Handle (147)

(2) Levers (219 or 222)

(3) Links (255, 297)

(4) Housings (339, 612)

(5) Piston (366)

(6) Support (555 or 558)

(7) Guide (582)

(8) Base (960)

(9) Pawl (962)

B. IPL Fig. 3

(1) Lever (30)

C. IPL Fig. 4

(1) Cap (50)

(2) Handle (55 or 60)

D. IPL Fig. 5

(1) Plate (65)

(2) Bracket (70)

(3) Support (130 or 135)

E. IPL Fig. 6

(1) Handle (30, 35)

F. IPL Fig. 7

(1) Idler (35, 40)

(2) Weld assembly (45, 50)

G. IPL Fig. 9

(1) Pin (87)

(2) Link (261)

(3) Guide (372)

(4) Bushing (402, 627)

(5) Housing (405)

(6) Lever (444)

(7) Base (747)

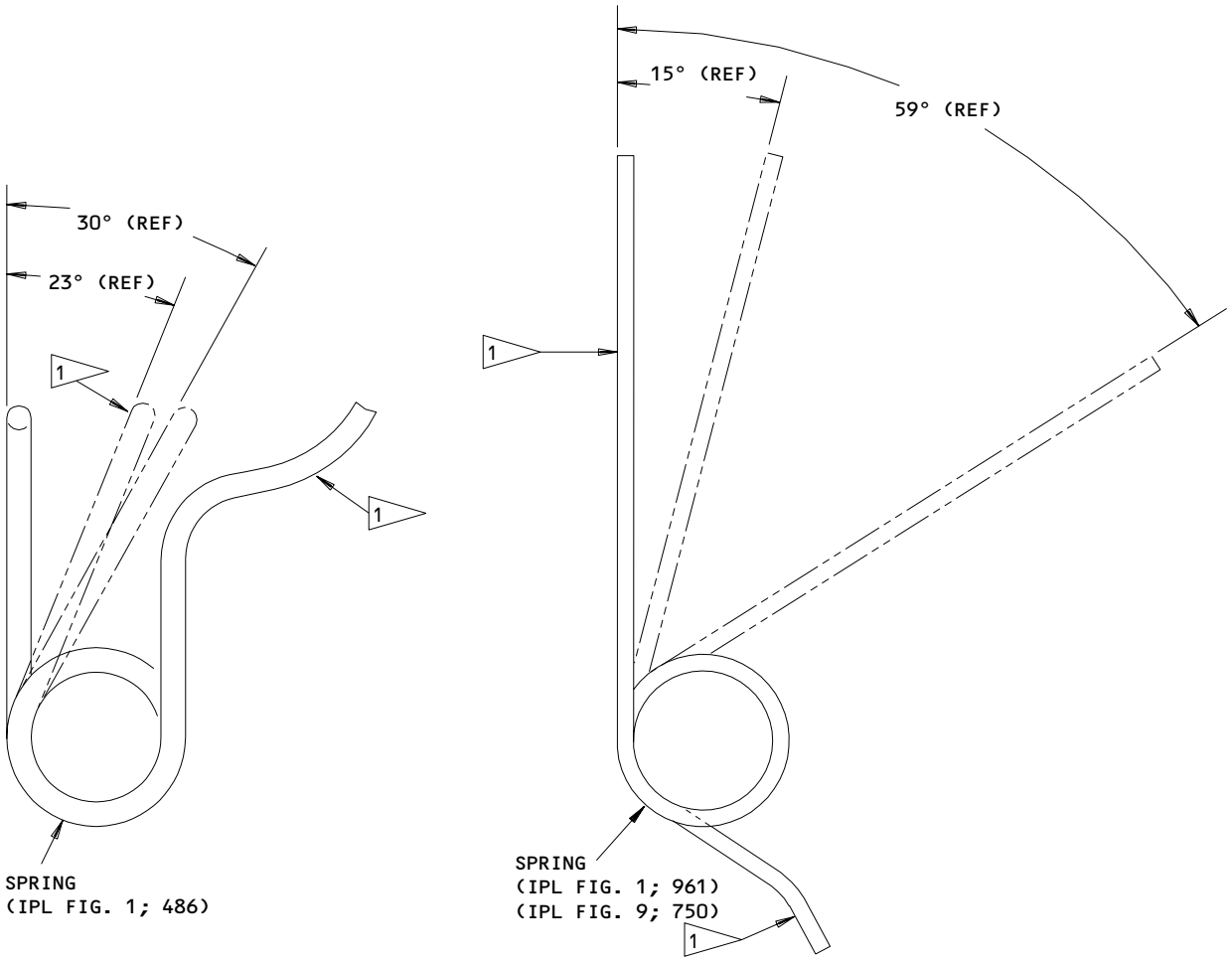
(8) Pawl (753)

4. Check spring (861, IPL Fig. 1; 633, IPL Fig. 9).

A. Compress spring to 0.79 inch. Check that load is 10.4-12.8 lbs.

B. Compress spring to 1.06 inch. Check that load is 5.1-6.3 lbs.

5. Check springs (486, 961, IPL Fig. 1; 750, IPL Fig. 9) per Fig. 501.



1 POINT AND DIRECTION OF LOAD APPLICATION

ITEM NUMBER	TEST DEFLECTION (DEGREES)	ALLOWABLE MOMENT (POUND-INCHES)
(IPL FIG. 1; 486)	23 30	8.44-10.32 11.12-13.36
(IPL FIG. 1; 961) (IPL FIG. 9; 750)	15 59	0.135-0.165 0.567-0.693

Spring Check
Figure 501

REPAIR - GENERAL

1. Content

A. Repair, refinish and replacement procedures are included in separate repair sections as follows:

P/N	NAME	REPAIR
141T6133	SUPPORT, HANDLE	1-1
141T6159	HANDLE, EXTERNAL	2-1
141T6160	HANDLE, INSIDE LATCH	3-1
141T6188	STOP	4-1
141T6193	LEVER, FLAG DRIVE	5-1
141T6194	LEVER, GIRT DRIVE	6-1
141T6195	CAM	7-1
141T6196	LUG	8-1
141T6197	LUG	8-1
141T6200	HANDLE, CAM	9-1
141T6202	ADAPTER	10-1
141T6205	LEVER, SPRING OVERCENTER	11-1
141T6207	LEVER, CARRIER DRIVE	12-1
141T6221	SHAFT, PIVOT	13-1
141T6226	BUSHING, ADJUSTABLE	14-1
141T6227	LEVER	15-1
141T6228	SHAFT, PIVOT	16-1
141T6249	HANDLE	17-1
141T6271	LEVER, ARMING FLAG	18-1

P/N	NAME	REPAIR
141T6274	GUIDE, SPRING	19-1
141T6277	LINK	20-1
141T6287-3,-4, -18	ROLLER	21-1
141T6287-5	ROD END	22-1
141T6651	LEVER, LOCKOUT	23-1
141T6652	SECTOR, LOCKOUT	24-1
69B13060	PISTON	25-1
69B13067	HOUSING	26-1
---	MISCELLANEOUS PARTS REFINISH	27-1
141T6538	BUTTON	28-1
143T6156	CAM BRACKET	29-1

2. Standard Practices

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

20-00-00 Introduction
20-30-02 Stripping of Protective Finishes
20-30-03 General Cleaning Procedures
20-41-01 Decoding Table for Boeing Finish Codes
20-41-02 Application of Chemical and Solvent Resistant Finishes
20-42-01 Low Hydrogen Embrittlement Cadmium Plating
20-42-03 Hard Chrome Plating
20-43-03 Chemical Conversion Coatings for Aluminum
20-44-01 Application of Abrasion Resistant Finishes
20-43-01 Chromic Acid Anodizing
20-50-03 Bearing and Bushing Replacement
20-50-05 Application of Aluminum Foil and Other Markers
20-50-06 Installation of O-Rings and Teflon Seals
20-50-08 Application of Bonded Solid Film Lubricant

3. Materials

NOTE: Equivalent substitutes can be used.

A. Primer (SOPM 20-60-02)

(1) BMS 10-11, Type 1

(2) BMS 10-79, Type 2

B. Coating, abrasion-resistant teflon -- BMS 10-86, Type 1 (SOPM 20-44-01, Type 27)

C. Coating, clear -- BAC5755, Type 11 (Replaces BMS 10-78) (SOPM 20-60-02)

D. Enamel (SOPM 20-60-02)

(1) BMS 10-60, Type 2

(2) BMS 10-83, Type 2

E. Grease (SOPM 20-60-03)

(1) BMS 3-24

(2) BMS 3-33

(3) MIL-G-23827

F. Lubricant -- Vitrolube NPI-1220 (SOPM 20-60-03)

G. Potting Compound (SOPM 20-60-04)

(1) BMS 5-28, Type 18, 19, or 20 (Replaces Type 5)

(2) BMS 5-28, Type 6

H. Sealant -- BMS 5-95 (SOPM 20-60-04)

4. Dimensioning Symbols

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

HANDLE SUPPORT ASSEMBLY - REPAIR 1-1

141T6133-49, -50, -53, -54, -59, -60, -79, -80

NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions, Fig. 601.

1. Bushing Replacement

   A. Remove bushings.

   B. Install replacement bushings per 20-50-03 except use sealant, BMS 5-95.

   C. Fillet seal bushings with sealant.

2. Bracket Assembly (35) Replacement

   A. Remove bolts (40), collars (45) and bracket assembly (35).

   B. Install bracket assembly (35) with sealant and secure with bolts (40) and collars (45).

3. Nutplates (15, 20, 30) Replacement

   A. Remove rivets (10) and damaged nutplates.

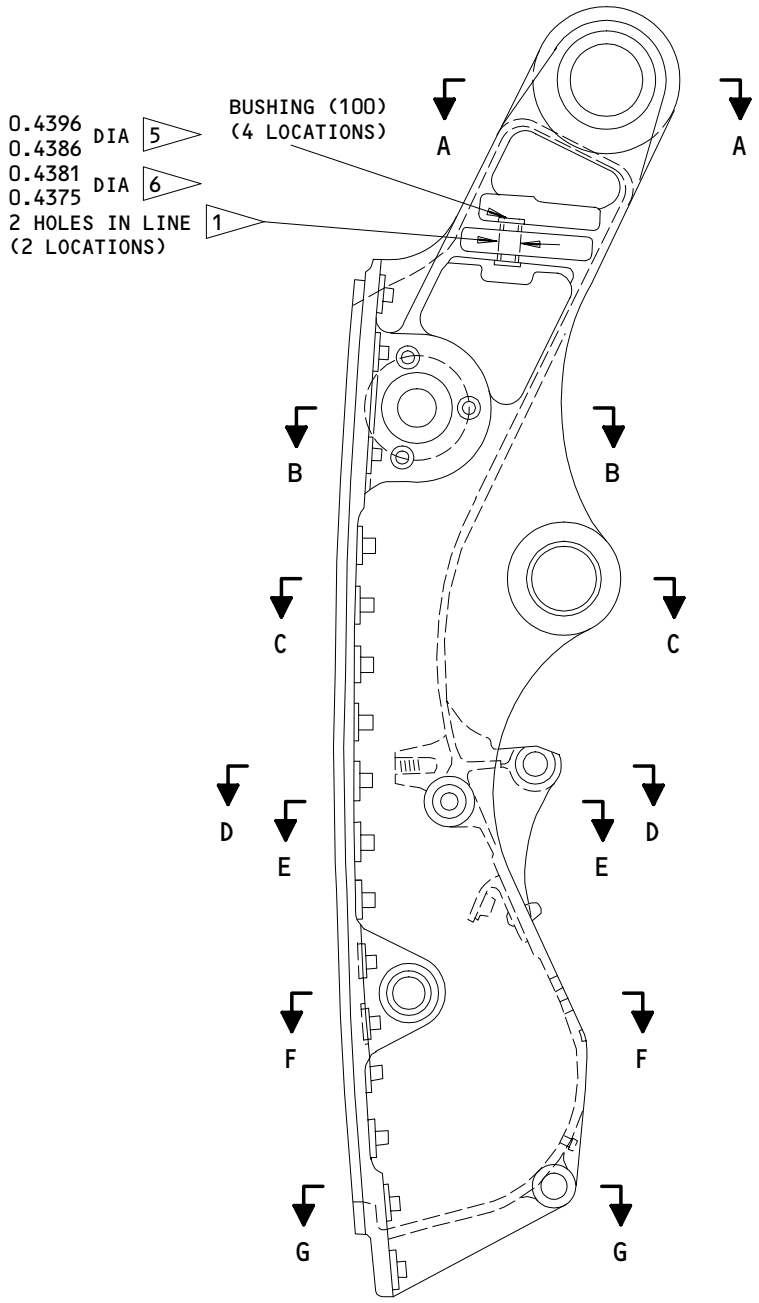
   B. Install nutplates with sealant and secure with rivets (10).

4. Seals (115, 120, 125) Replacement

   A. Remove sealant and remove damaged seals.

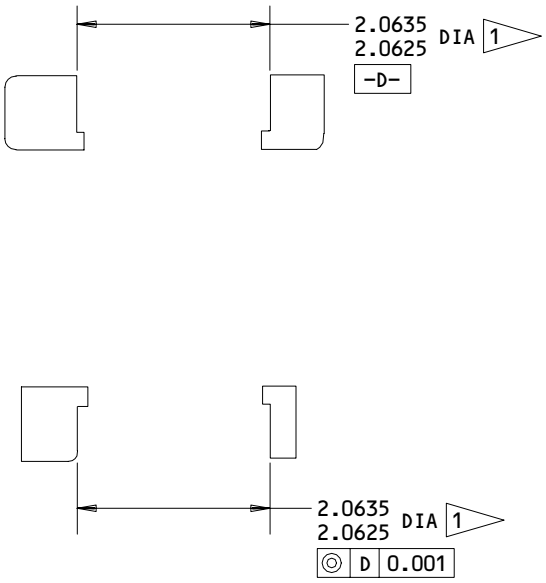
      NOTE: If seal (120) which mates with shaft (723, IPL Fig. 1) is found to have been originally installed in the inverted position, then replace it with a new seal. During assembly of the handle mechanism assembly, use care when installing shaft (723, IPL Fig. 1) and lever assembly (624, IPL Fig. 1). If seal (120) is damaged or installed in an inverted position, partial binding of shaft (723, IPL Fig. 1) may result while performing disarm procedures. Shaft binding may contribute to in-service problems.

   B. Install replacement seals with sealant and fillet seal. Make sure seals are installed in the correct orientation as shown in Fig. 601. After fillet seal, verify that seals are not contaminated with sealant.

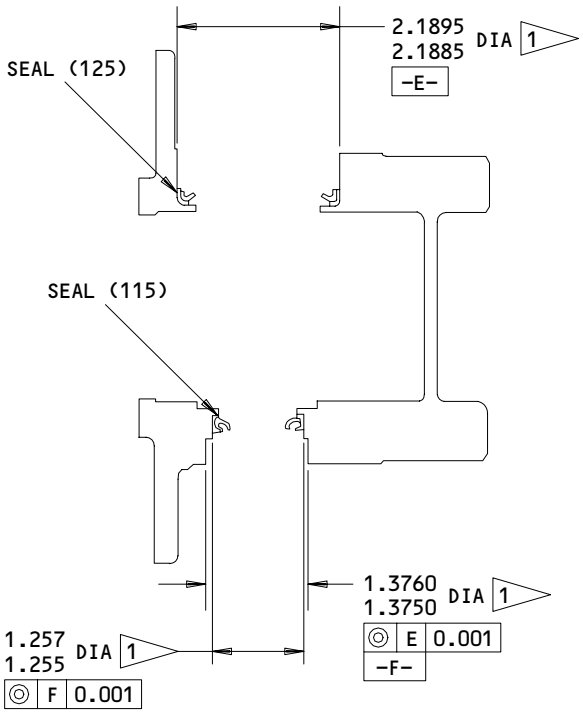


141T6133-49,-50,-53,-54,-59,-60,-79,-80

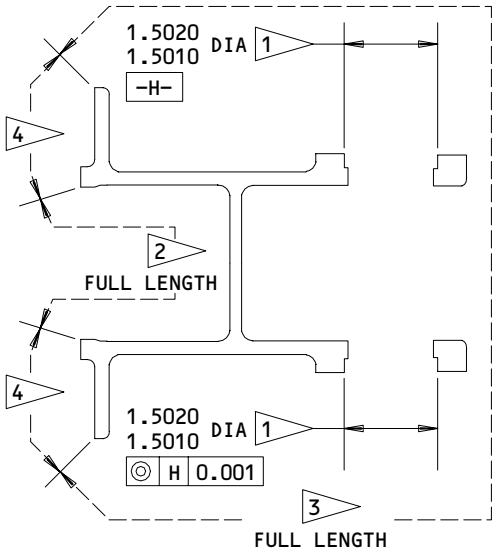
Support Repair and Refinish
Figure 601 (Sheet 1)



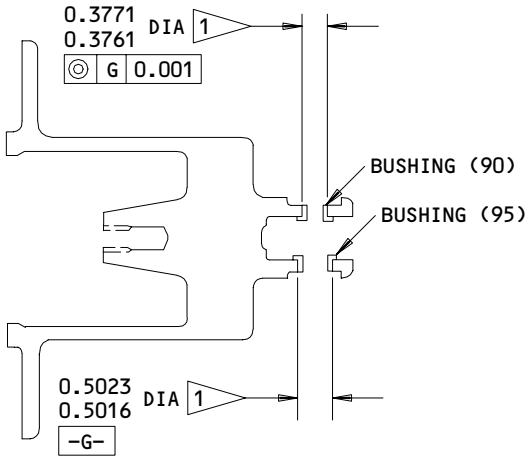
A-A



B-B



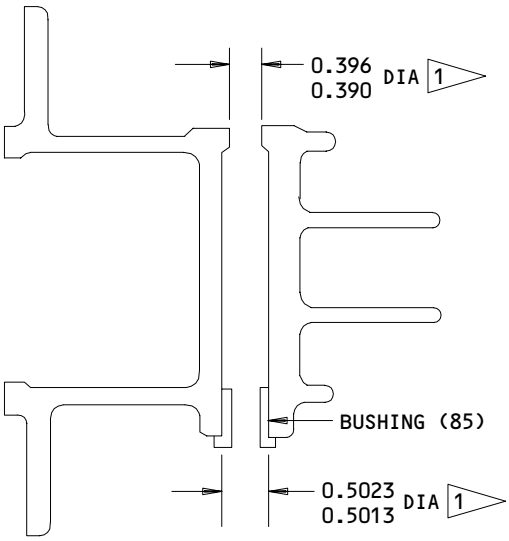
C-C



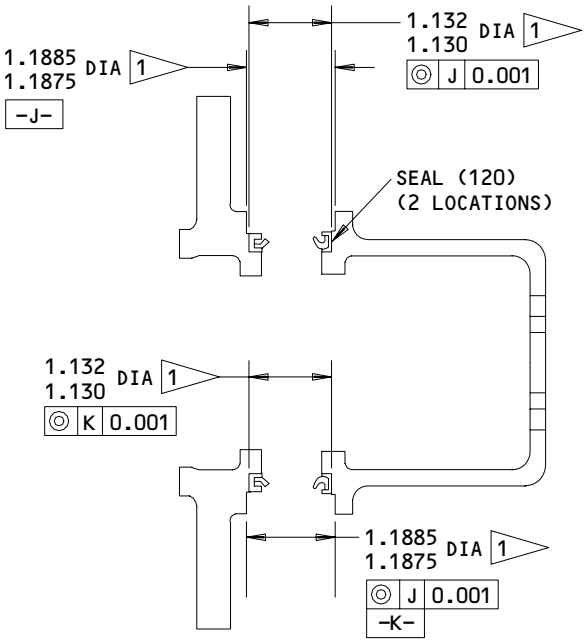
D-D

141T6133-49,-50,-53,-54,-59,-60,-79,-80

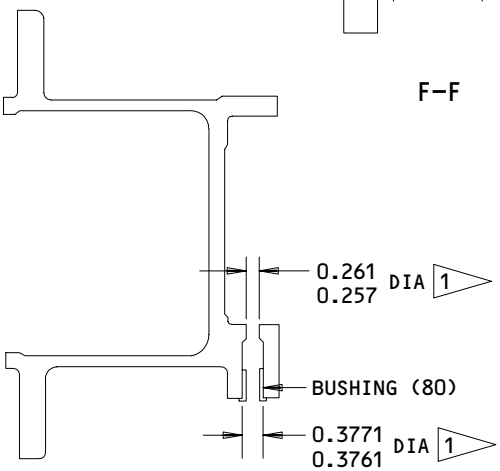
Support Repair and Refinish
Figure 601 (Sheet 2)



E-E



F-F



G-G

REFINISH

ANODIZE (F-17.05) ALL OVER AND APPLY 1 COAT OF PRIMER, BMS 10-79, TYPE 2 (F-19.46) EXCEPT AS NOTED BY 1

APPLY ENAMEL PER 2 3 4

1 OMIT PRIMER AND ENAMEL THESE SURFACES AND OMIT ENAMEL IN FASTENER HOLES

2 APPLY BMS 10-60, TYPE 2 GLOSS ENAMEL, BAC702 WHITE (F-19.39-702)

3 APPLY 1 COAT OF BMS 10-11, TYPE 2 GLOSS ENAMEL, BAC702 WHITE (SRF-14.905-702)

ITEM NUMBERS REFER TO IPL FIG. 5

MATERIAL: AL ALLOY

ALL DIMENSIONS ARE IN INCHES

4 APPLY BMS 10-60, TYPE 2 GLOSS ENAMEL, BAC707 GRAY (F-19.39-707)

5 141T6133-49,-50,-53,-54,-59,-60

6 141T6133-79,-80

141T6133-49,-50,-53,-54,-59,-60,-79,-80

Support Repair and Refinish
Figure 601 (Sheet 3)

60465

EXTERNAL HANDLE ASSEMBLY - REPAIR 2-1

141T6159-11, -12, -21

NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions, Fig. 601.

Item numbers refer to IPL Fig. 4.

1. Bushings (30, 45) Replacement (Fig. 601)

   A. Remove bushings.

   B. Install replacement bushing per 20-50-03 except use wet sealant, BMS 5-95.

   C. Machine bushing (30) to 0.01 maximum from bearing bore in handle (Ref Fig. 601).

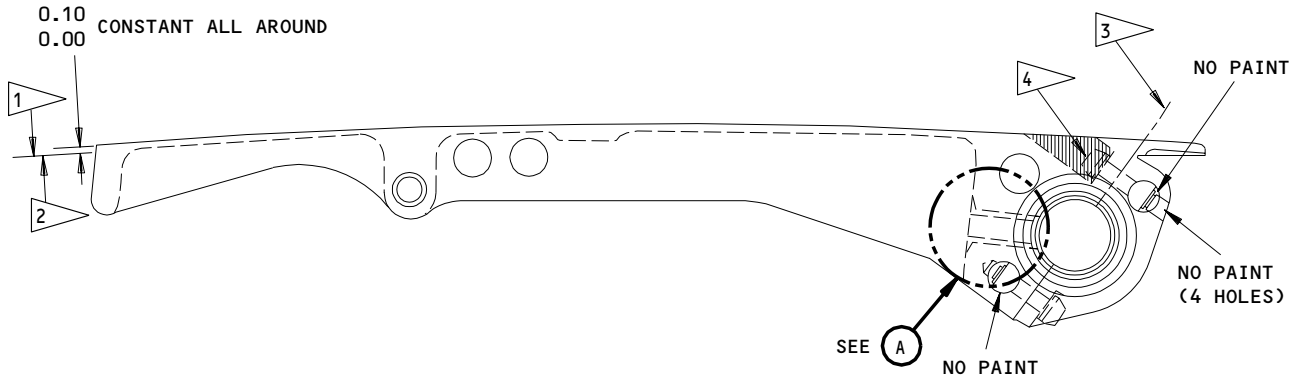
   D. Fillet seal bushings with sealant.

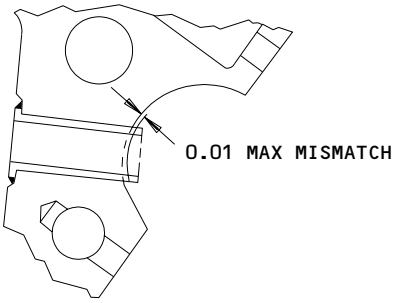
2. Bearings (40) Replacement

   A. Remove potting compound and remove bolts (10), washers (15) and cap (50). Remove bearings (40). Use care not to damage handle (55) when removing potting compound.

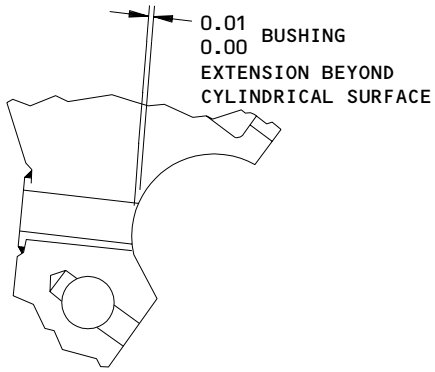
   B. Apply light coat of grease, BMS 3-24 or MIL-G-23827 to all faying surfaces including outer face of bearings (40). Wipe off grease with dry cloth.

   C. Assemble bearings (40) and cap (50) with sealant, BMS 5-95 and secure cap with bolts (10) and washers (15).





A



OPTIONAL BUSHING CONFIGURATION

A

REFINISH

CAP (50) AND HANDLE (55) -- CHROMIC ACID ANODIZE (F-17.04) AND APPLY 1 COAT OF BMS 10-79, TYPE 2 PRIMER (F-19.46). APPLY ENAMEL AS INDICATED PER 1 2 . OMIT PRIMER AND ENAMEL IN REAMED OR BORED HOLES. APPLY PRIMER PRIOR TO BUSHING MACHINING. CHEMICAL TREAT (F-17.10) MACHINED SURFACES AS REQUIRED AFTER BUSHING MACHINING.

1 APPLY 1 COAT OF GLOSS ENAMEL, BMS 10-60, TYPE 2 COLOR GRAY (BAC707)(F-19.39-707) THIS SIDE.

2 APPLY 1 COAT OF GLOSS ENAMEL, BMS 10-60, TYPE 2 COLOR WHITE (BAC702)(F-19.39-702) THIS SIDE AND ON INTERIOR SURFACES.

3 CHEMICAL TREAT AND APPLY 2 COATS OF PRIMER BMS 10-11, TYPE 1 (F-18.03) THIS SURFACE ON BOTH PARTS PRIOR TO BUSHING MACHINING

4 PRIOR TO PAINTING, FILL CAVITY WITH POTTING COMPOUND, BMS 5-28, TYPE 5, FINISH 250AA OR BETTER FLUSH WITH HANDLE SURFACE. CHEMICAL TREAT (F-17.10) AS REQUIRED.

MATERIAL: AL ALLOY

ITEM NUMBERS REFER TO IPL FIG. 4

ALL DIMENSIONS ARE IN INCHES

141T6159-11,-12,-21
Parts Replacement and Handle Refinish
Figure 601

HANDLE ASSEMBLY, INSIDE LATCH - REPAIR 3-1

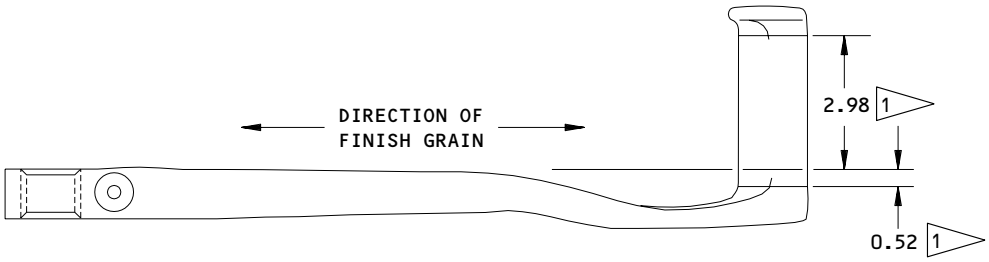
141T6160-1, -5, -6

NOTE: Refer to REPAIR - GENERAL for a list of applicable standard practices. For repair of surfaces which is only replacement of the original finish, refer to Refinish instructions, Fig. 601 or 602).

1. Filler (144, IPL Fig. 1 and 25, IPL Fig. 6) Replacement

   A. Remove the old potting compound and filler (144, IPL Fig. 1 and 25, IPL Fig. 6) from handle (147, IPL Fig. 1 and 30, IPL Fig. 6).

   B. Install a replacement filler with potting compound, BMS 5-28, Type 18, 19, or 20 for the 141T6160-1 handle assembly (141, IPL Fig. 1) or BMS 5-28, Type 6 for the 141T6160-5, -6 handle assemblies (15, 20, IPL Fig. 6). Fill the cavity with potting compound and trim it flush to 0.10 inch below the handle surface.



REFINISH

APPLY SATIN FINISHE WITH GRAIN AS SHOWN AND TYPE 11 CLEAR COATING (F-14.231) ON OUTSIDE SURFACES BUT NOT IN HOLES OR AREA SHOWN BY 1 CHROMIC ACID ANODIZE (F-17.04) IN HOLES, SLOT AND ON SPLINES.

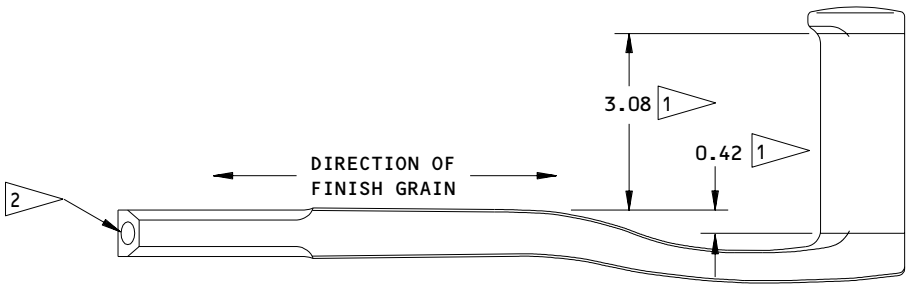
1 CHEMICAL TREAT AND APPLY BMS 10-11 TYPE 1 PRIMER (F-18.01). APPLY RED ENAMEL BMS 10-83, TYPE 2 (F-22.06-101) AROUND HANDLE GRIP

MATERIAL: AL ALLOY

ALL DIMENSIONS ARE IN INCHES

141T6160-2,-11
Handle Refinish
Figure 601

60573



REFINISH

APPLY SATIN FINISH WITH GRAIN AS SHOWN AND TYPE 11 CLEAR COATING (F-14.231) ON OUTSIDE SURFACES BUT NOT IN HOLES OR AS SHOWN BY 1 2.

MATERIAL: AL ALLOY

ALL DIMENSIONS ARE IN INCHES

1 CHEMICAL TREAT AND APPLY BMS 10-11 TYPE 1 PRIMER (F-18.01). APPLY BMS 10-83 TYPE 2 RED ENAMEL (F-22.06-101) AROUND HANDLE GRIP

2 CHEMICAL TREAT (F-17.10) THIS HOLE

141T6160-7 THRU -10
Handle Refinish
Figure 602

STOP ASSEMBLY - REPAIR 4-1

141T6188-1, -2

NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions.

Item numbers refer to IPL Fig. 1.

1. Bearing (753, IPL Fig. 1; 528, IPL Fig. 9) Replacement

A. Remove bearing and ring (750, IPL Fig. 1; 525, IPL Fig. 9).

B. Install replacement bearing and ring per 20-50-03 except use wet sealant, BMS 5-95.

C. Roller swage ring per 20-50-03.

D. Check that maximum gap in ring is 0.062 inch and fill gap with sealant, BMS 5-95.

2. Refinish

A. Stop (756, 759, IPL Fig. 1; 531, IPL Fig. 9) -- Passivate (F-17.09) all over. Material: 17-4PH CRES, 150 ksi minimum or 15-5PH CRES, 150-170 KSI.

B. Ring (750, IPL Fig. 1; 525, IPL Fig. 9) -- Passivate (F-17.09). Material: 304 CRES.

FLAG DRIVE LEVER ASSEMBLY - REPAIR 5-1

141T6193-1

NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions, Fig. 601.

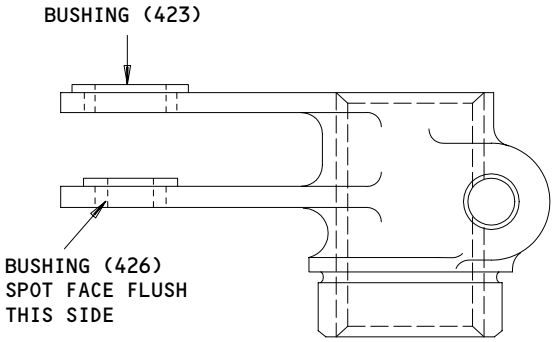
Item numbers refer to IPL Fig. 1.

1. Bushing Replacement (Fig. 601)

   A. Remove bushings.

   B. Install replacement bushings per 20-50-03 except use wet sealant, BMS 5-95.

   C. Spot face bushing flush as indicated.



REFINISH

LEVER (429) -- PASSIVATE (F-17.09)

MATERIAL: 17-4PH CRES, 150 KSI MIN

Bushing Replacement and Lever Refinish
Figure 601

60467

GIRT DRIVE LEVER ASSEMBLY - REPAIR 6-1

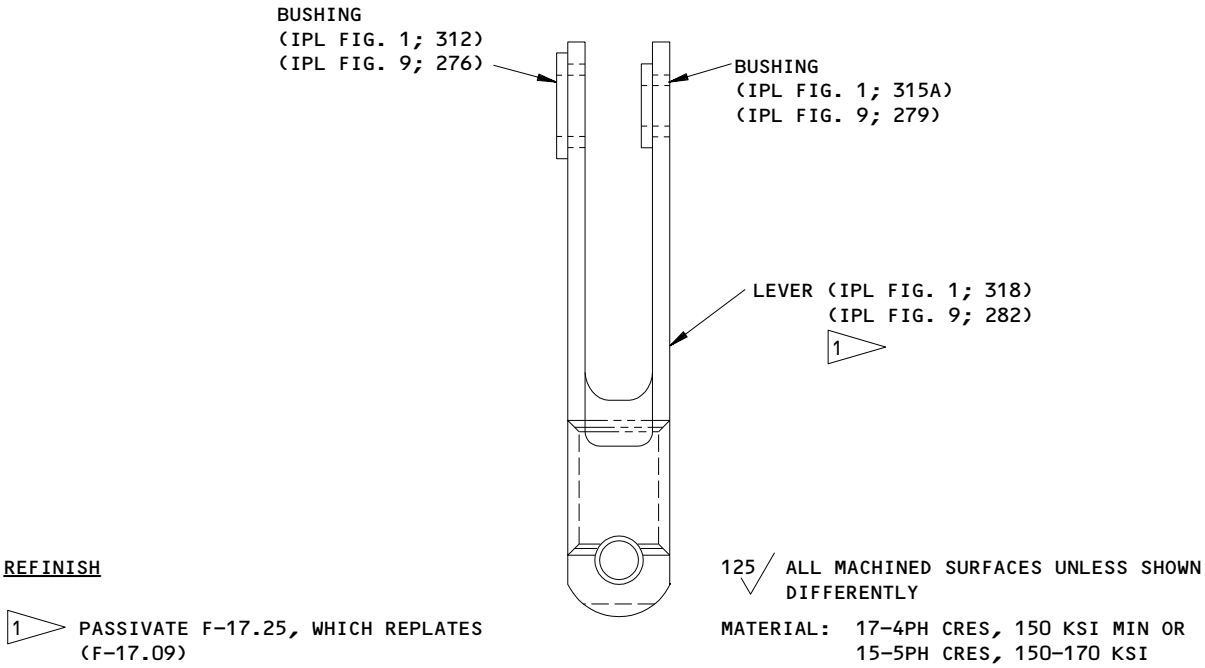
141T6194-1

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

1. Bushings (312, 315A, IPL Fig. 1; 276, 279, IPL Fig. 9) Replacement

   A. Remove the old bushings.

   B. Install replacement bushings by the shrink-fit method (SOPM 20-50-03).



141T6194-1
Bushing Replacement and Lever Refinish
Figure 601

60472

CAM ASSEMBLY - REPAIR 7-1

141T6195-1, -2, -7

NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions, Fig. 601.

1. Parts Replacement (Fig. 601)

   A. Remove rivets (651, IPL Fig. 1; 441 IPL Fig. 9) and separate lever (654, IPL Fig. 1; 444 IPL Fig. 9), shim (657, IPL Fig. 1; 447, IPL Fig. 9) and cam (660 or 663, IPL Fig. 1; 450, IPL Fig. 9).

   B. Position parts (654 thru 660, IPL Fig. 1; 444 thru 450, IPL Fig. 9) as shown. If a replacement cam (660 or 663, IPL Fig. 1; 450, IPL Fig. 9), lever (654, IPL Fig. 1; 444, IPL Fig. 9) or shim (657, IPL Fig. 1; 447, IPL Fig. 9) is being installed, drill 0.159-0.167 dia. rivet holes at locations shown. Adjust shim thickness as required by delamination to obtain dimensions indicated.

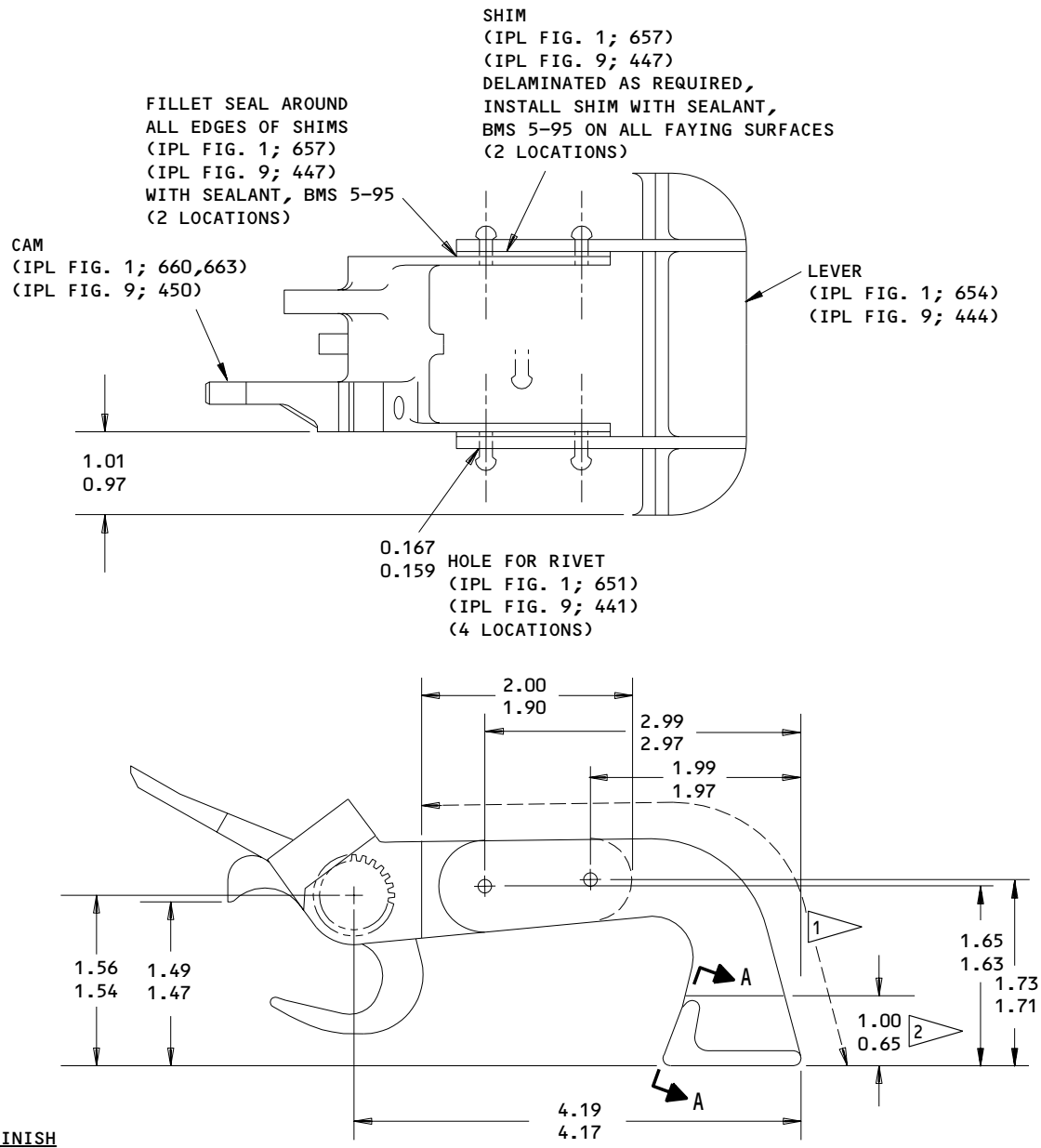
   C. Assemble parts (654 thru 660, IPL Fig. 1; 444 thru 450, IPL Fig. 9) and secure with rivet (651, IPL Fig. 1; 441, IPL Fig. 9). Install shims (657, IPL Fig. 1; 447, IPL Fig. 9) with wet sealant, BMS 5-95 on faying surfaces. Install rivets (651, IPL Fig. 1; 441 IPL Fig. 9) with wet sealant, BMS 5-95 and squeeze drive. Fillet seal edges of shims (657, IPL Fig. 1; 447, IPL Fig. 9) with sealant, BMS 5-95.

2. Marker Replacement

   A. Remove marker (665, IPL Fig. 1; 453, IPL Fig. 9).

   B. Refinish cam assembly per Fig. 601.

   C. After complete drying of enamel, apply new marker per 20-50-05 in location shown (Fig. 601).



REFINISH

TOUCH UP UNPAINTED AREA (F-21.12) AND APPLY ENAMEL PER 1 2

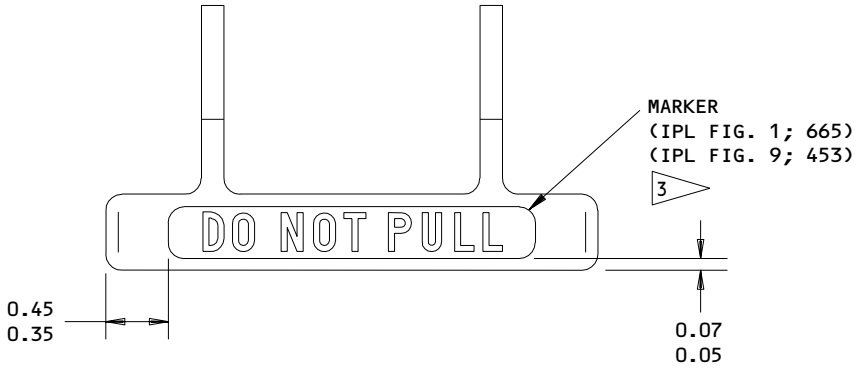
1 APPLY 1 COAT BMS 10-79, TYPE 2 PRIMER AND BMS 10-60 TYPE 2 GLOSS ENAMEL, COLOR WHITE (BAC702)(F-19.41-702) TO AREA INDICATED

2 AFTER COMPLETION OF 1, APPLY 1 COAT BMS 10-79, TYPE 2 PRIMER AND BMS 10-60, TYPE 2 GLOSS ENAMEL, COLOR RED (BAC101) (F-19.41-101) TO THE COMPLETE PART IN THE AREA INDICATED

ALL DIMENSIONS ARE IN INCHES

141T6195-1,-2,-7
Parts Replacement and Cam Assembly Refinish
Figure 601 (Sheet 1)

60574



A-A

3 AFTER COMPLETION OF 1 AND 2 ,
APPLY ALUMINUM FOIL MARKER PER
20-50-05 IN LOCATION SHOWN

141T6195-1,-2,-7
Parts Replacement and Cam Assembly Refinish
Figure 601 (Sheet 2)

232756

LUG ASSEMBLY - REPAIR 8-1

141T6196-3, -5
141T6197-1

NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions.

1. Bearing Replacement

   A. Remove bearing and ring.

   B. Install replacement bearing and ring per 20-50-03 except use wet sealant, BMS 5-95.

   C. Roller swage ring per 20-50-03.

   D. Check that maximum gap in ring is 0.062 inch. Fill gap in ring with sealant, BMS 5-95.

2. Refinish

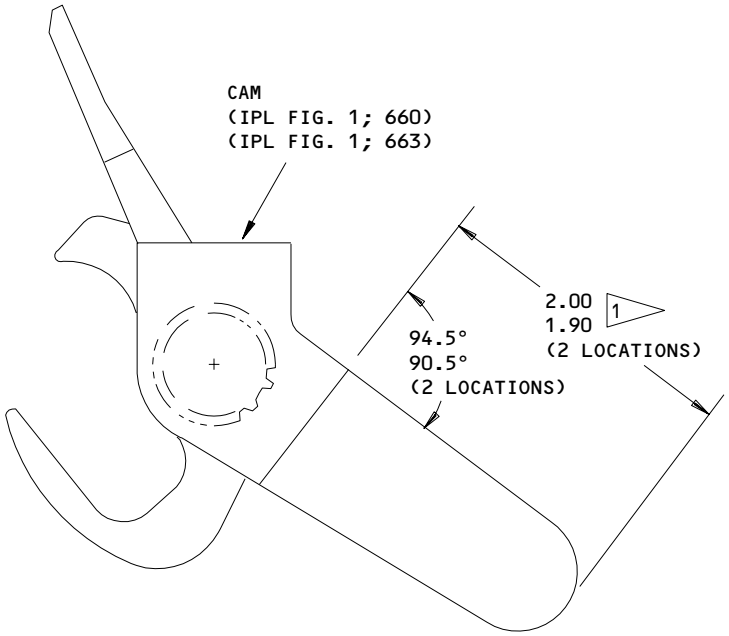
   A. Lug (39, 72, IPL Fig. 1; 45, 78, IPL Fig. 9) -- Passivate (F-17.09) all over. Material: 15-5PH CRES, 180-200 ksi.

CAM - REPAIR 9-1

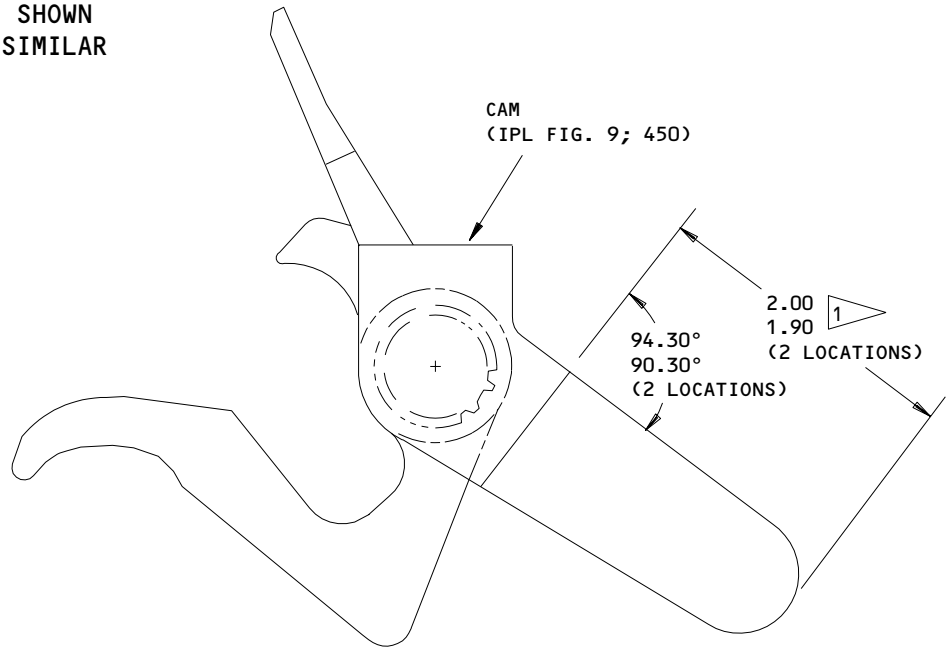
141T6200-1, -2, -3

1. Plating Repair

NOTE: Repair consists of restoration of original finish. Refer to Refinish instructions, Fig. 601 and to REPAIR-GEN for list of applicable standard practices.



141T6200-1 SHOWN
141T6200-2 SIMILAR



141T6200-3 SHOWN

REFINISH

PASSIVATE (F-17.09) AND
APPLY PRIMER PER 1

1 APPLY BMS 10-11, TYPE 1 PRIMER (F-20.03)
TO BOTH SIDES AND EDGES OF TWO TABS

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

ALL DIMENSIONS ARE IN INCHES

141T6200-1,-2,-3
Cam Refinish
Figure 601

ADAPTER ASSEMBLY - REPAIR 10-1

141T6202-1, -2

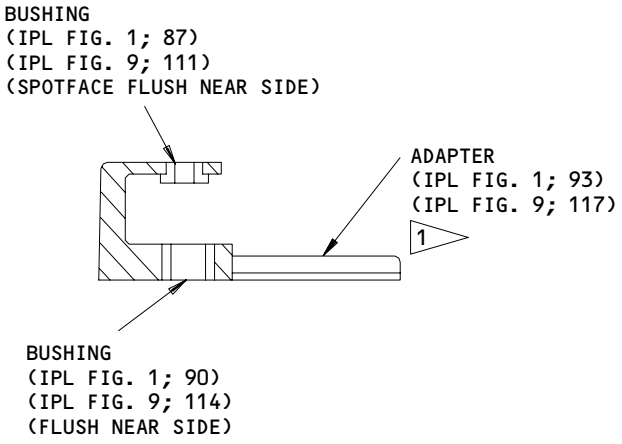
NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions, Fig. 601.

1. Bushing Replacement (Fig. 601)

   A. Remove bushings.

   B. Install replacement bushings per 20-50-03.

   C. Spot face bushings as indicated.



REFINISH

1 PASSIVATE (F-17.09)

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

Bushing Replacement and Adapter Refinish
Figure 601

60476

LEVER ASSEMBLY - REPAIR 11-1

141T6205-1

NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions.

1. Bushing Replacement

   A. Remove bushings.

   B. Install replacement bushings per 20-50-03.

2. Refinish

   A. Lever (633, IPL Fig. 1; 426, IPL Fig. 9) -- Passivate (F-17.09) all over. Material: 17-4PH CRES, 150 ksi min. (opt 15-5PH CRES 150-170 ksi).

CARRIER DRIVE LEVER ASSEMBLY - REPAIR 12-1

141T6207-7, -12

NOTE: Refer to REPAIR-GEN for list of applicable standard practices.

Item numbers refer to IPL Fig. 3

1. Bearing Replacement

   A. Remove bearings (15).

   B. Install replacement bearings per 20-50-03 except use wet BMS 5-95 sealant.

2. Bushing Replacement

   A. Remove bushings (5, 10).

   B. Install replacement bushings per 20-50-03 except use wet BMS 5-95 sealant.

   C. Fillet seal bushing flanges with sealant, BMS 5-95.

3. Refinish

   A. Lever (30) -- Anodize and apply one coat of BMS 10-11, Type 1 primer (F-18.04). Material: A1 alloy.

   B. Lever (30A) -- Passivate (F-17.09). Material: 15-5PH CRES, 180-200 ksi.

PIVOT SHAFT ASSEMBLY - REPAIR 13-1

141T6221-1

NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions, Fig. 601.

Item numbers refer to IPL Fig. 2.

1. Bushing Replacement (Fig. 601)

   A. Remove bushings.

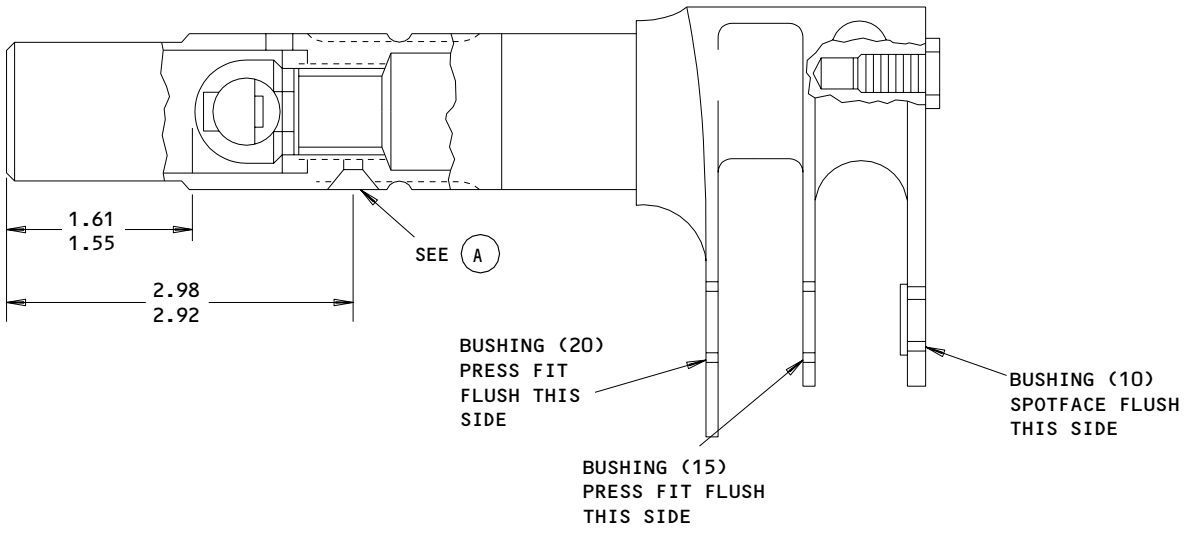
   B. Install replacement bushing per 20-50-03 and spot face as indicated.

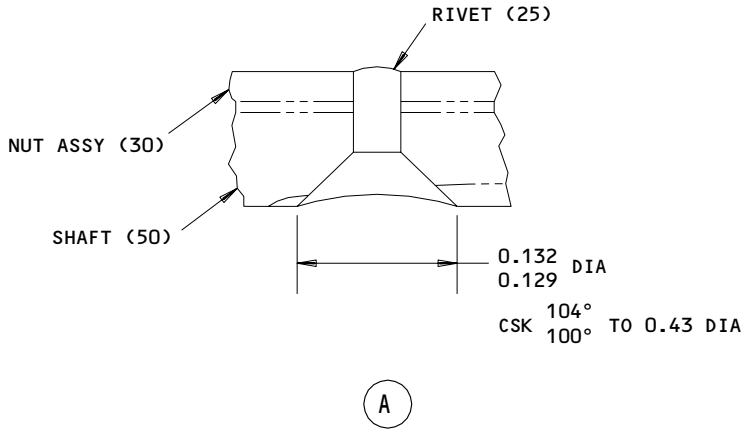
2. Nut Assembly (30) Replacement (Fig. 601)

   A. Drill out rivet (25) and unscrew nut assembly (30) from shaft (50).

   B. Install replacement nut assembly (30) and drill 0.129-0.132 inch dia. thru one wall of shaft (50) and nut assembly. Countersink hole as indicated.

   C. Install rivet (25).





REFINISH

SHAFT (50) -- PASSIVATE (F-17.09)

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

ALL DIMENSIONS ARE IN INCHES

141T6221-1

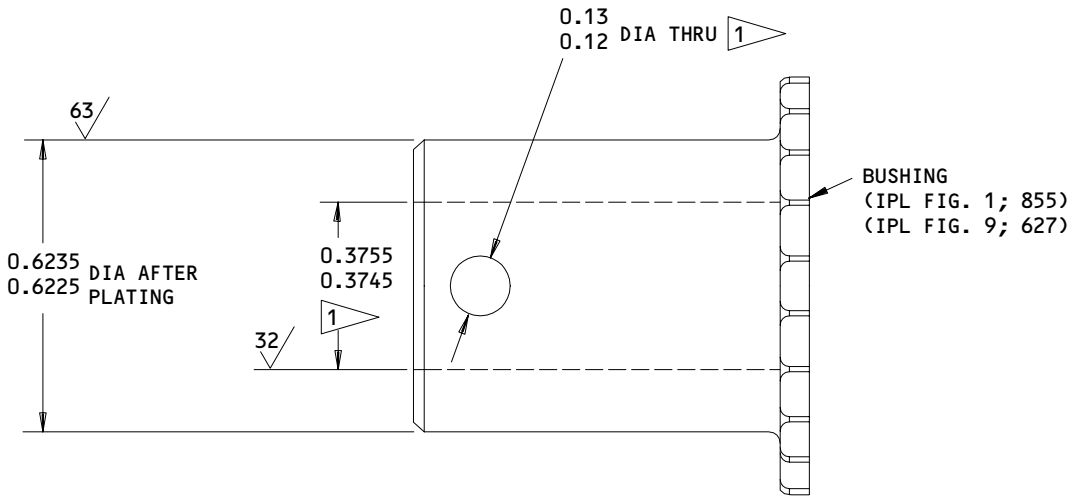
Parts Replacement and Shaft Refinish
Figure 601

ADJUSTABLE BUSHING - REPAIR 14-1

141T6226-1

1. Plating Repair

NOTE: Repair consists of restoration of original finish. Refer to Refinish instructions, Fig. 601 and to REPAIR-GEN for list of applicable standard practices.



REFINISH

CADMIUM PLATE (F-15.06) ALL OVER EXCEPT AS NOTED

MATERIAL: BERYLLIUM COPPER

ALL DIMENSIONS ARE IN INCHES

1 DO NOT PLATE THIS SURFACE

Bushing Refinish
Figure 601

60413

LEVER ASSEMBLY - REPAIR 15-1

141T6227-1

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

1. Bushing Replacement (Fig. 601)

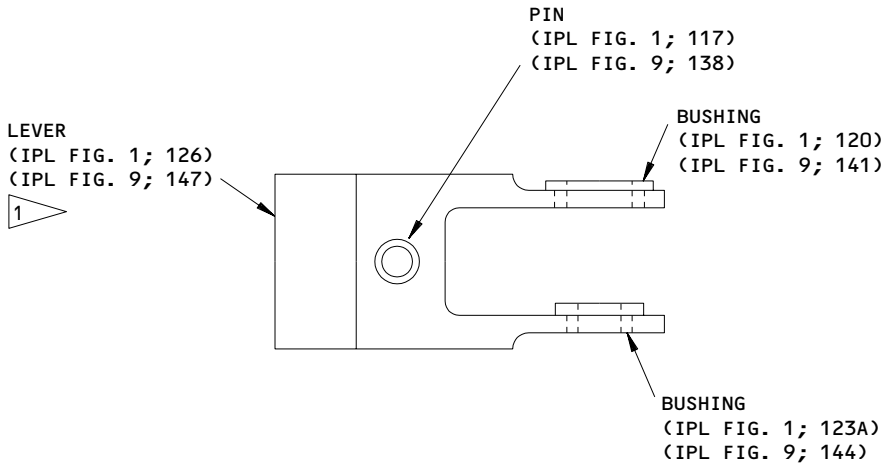
   A. Remove the old bushings.

   B. Install replacement bushings by the shrink-fit method (SOPM 20-50-03)

2. Pin Replacement (Fig. 601)

   A. Remove the old pin (117, IPL Fig. 1; 138, IPL Fig. 9).

   B. Install a replacement pin with wet BMS 5-95 sealant.



REFINISH

1 PASSIVATE F-17.25 WHICH REPLACES (F-17.09)

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

141T6227-1
Parts Replacement and Lever Refinish
Figure 601

60415

PIVOT SHAFT ASSEMBLY - REPAIR 16-1

141T6228-1, -2

NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions.

1. Bushing Replacement

A. Remove bushings (930, 933, IPL Fig. 1; 708, 711, IPL Fig. 9).

B. Install replacement bushings per 20-50-03 except use grease, BMS 3-24.

2. Refinish

A. Shaft (936 or 939, IPL Fig. 1; 714, IPL Fig. 9) -- Passivate (F-17.09) all over. Material: 15-5PH CRES, 180-200 ksi.

HANDLE ASSEMBLY - REPAIR 17-1

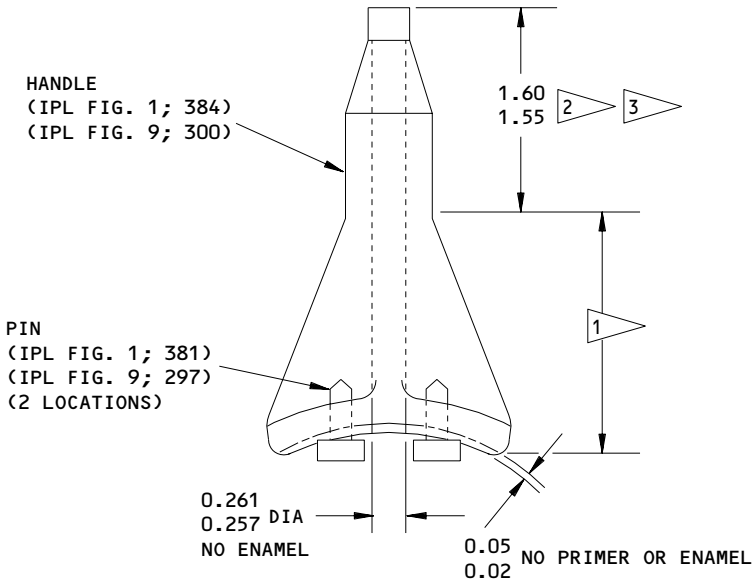
141T6249-1, -6

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

1. Pin Replacement

   A. Remove the old pins.

   B. Install replacement pins with BMS 5-95 sealant (SOPM 20-50-19).



REFINISH

PINS -- NO FINISH
HANDLE -- PASSIVATE (F-17.25, WHICH REPLACES F-17.09).
HANDLE ASSEMBLY -- APPLY PROTECTIVE COATING IN AREA INDICATED BY 1. APPLY BMS 10-83, TYPE 2 ENAMEL IN AREA INDICATED BY 2 AND 3.

1 APPLY TYPE 31 COATING (F-21.04)

2 141T6249-1: APPLY BMS 10-83 TYPE 2 GREEN ENAMEL (F-22.06-4533)

3 141T6249-6: APPLY BMS 10-83 TYPE 2 YELLOW ENAMEL (F-22.06-302)

MATERIAL: HANDLE:
17-4PH CRES, 180-200 KSI
PINS:
15-5PH CRES, 180-200 KSI

ALL DIMENSIONS ARE IN INCHES

Handle Refinish
Figure 601

60576

LEVER ASSEMBLY - REPAIR 18-1

141T6271-1, -2, -25, -26, -31, -32

NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions, Fig. 601.

Item numbers refer to IPL Fig. 1.

1. Bushing (207, 210) Replacement (Fig. 601)

   A. Remove bushings.

   B. Install bushings per 20-50-03 except use wet sealant BMS 5-95.

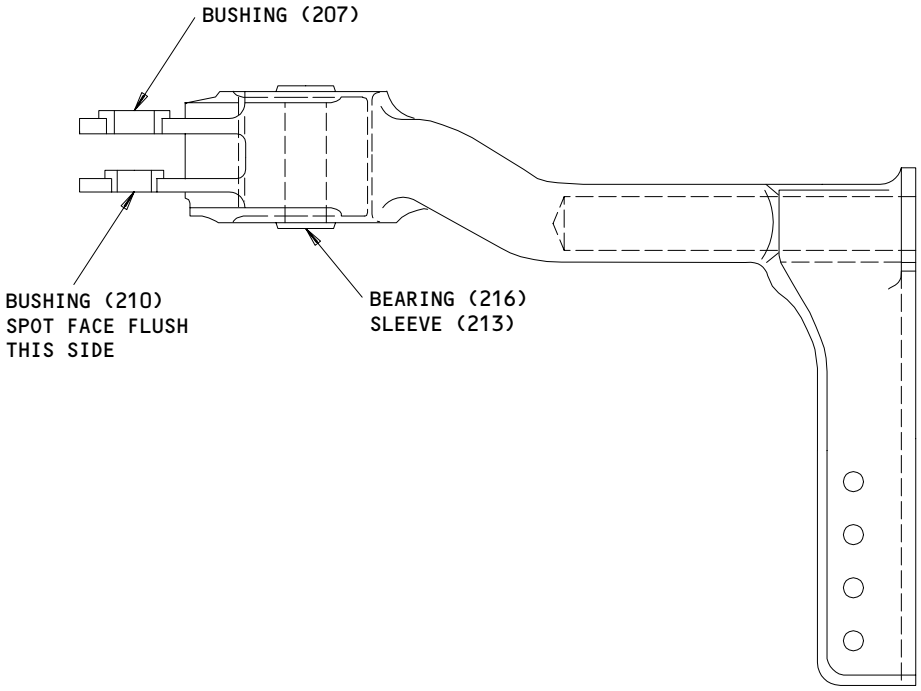
   C. Spot face bushing (210) as indicated.

   D. Fillet seal bushing flange with sealant, BMS 5-95.

2. Bearing (216) Replacement

   A. Remove bearing (216) and sleeve (213).

   B. Install replacement bearing and sleeve per 20-50-03 and roller swage sleeve per 20-50-03. Check that maximum gap in sleeve after roller swage is 0.062 inch maximum.



REFINISH

LEVER (219) -- CHROMIC ACID ANODIZE (F-17.04) AND APPLY 1 COAT OF BMS 10-11, TYPE 1 PRIMER (F-20.02) EXCEPT OMIT PRIMER IN BUSHINGS AND BEARING BORES

MATERIAL: AL ALLOY

141T6271-1,-2,-25,-26,-31,-32
Bushing Replacement Lever Refinish
Figure 601

60584

SPRING GUIDE - REPAIR 19-1

141T6274-1, -2

NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions.

1. Bearing Replacement

   A. Remove bearing and sleeve.

   B. Install replacement bearing and sleeve and roller swage per 20-50-03 except use wet sealant, BMS 5-95. Maximum permissible gap in sleeve shall be 0.062 inch. Fill gap with sealant.

2. Refinish

   A. Guide (582, IPL Fig. 1; 372, IPL Fig. 9) -- Flash hard coat of sulfuric acid anodize (F-17.03) 0.0002 inch thick except sulfuric acid hard anodize (F-17.06) from shoulder (0.960 diameter) to top of shaft (0.2495 diameter). Material: Al alloy.

   B. Housing (612, IPL Fig. 1; 405, IPL Fig. 9) -- Flash hard coat of sulfuric acid anodize (F-17.03) 0.0002 inch thick except sulfuric acid hard anodize (F-17.06) from shoulder (0.960 diameter) to tip of 0.540 O.D. Material: Al alloy.

LINK ASSEMBLY - REPAIR 20-1

141T6277-1, -2

NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions.

1. Bearing Replacement

   A. Remove bearing and sleeve.

   B. Install replacement bearing and sleeve and roller swage sleeve per 20-50-03. Check that maximum gap in sleeve is 0.062 inch.

2. Link Refinish

   A. Link (255, 297, IPL Fig. 1; 261, IPL Fig. 9) -- Chromic acid anodize and apply 1 coat of primer, BMS 10-11, type 1 (F-18.13) all over. Material: Al alloy.

ROLLER ASSEMBLY - REPAIR 21-1

141T6287-3, -4, -18

NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions.

1. Bushing Replacement

   A. Remove bushings.

   B. Install replacement bushings per 20-50-03.

2. Refinish

   A. Roller (786, IPL Fig. 1) -- Chrome plate (F-15.03) on OD and ends. Passivate (F-17.09) on ID. OD after plating shall be 0.505-0.510 inch and width of roller after plating shall be 0.290-0.300 inch (passivate (F-17.09) optional on ends). Material: 15-5PH CRES, 180-200 ksi.

   B. Roller (822, IPL Fig. 1; 594, IPL Fig. 9) -- Chrome plate (F-15.03) on OD and ends. Passivate (F-17.09) on ID. OD after plating shall be 0.505-0.510 inch and width of roller after plating shall be 0.210-0.220 inch (passivate (F-17.09) optional on ends). Material: 15-5PH CRES, 180-200 ksi.

   C. Roller (558, IPL Fig. 9) -- Chrome plate (F-15.03) on OD and ends. Passivate (F-17.09) on ID. OD after plating shall be 0.505-0.510 inch and width of roller after plating shall be 0.370-0.380 inch. Passivate (F-17.09) optional on ends. Material: 15-5PH CRES, 180-200 ksi.

ROD END ASSEMBLY - REPAIR 22-1

141T6287-5

NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions.

1. Bushing Replacement

A. Remove bushings (873, IPL Fig. 1; 645, IPL Fig. 9).

B. Install replacement bushings per 20-50-03.

2. Refinish

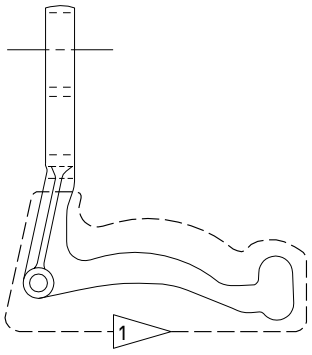
A. Rod end (876, IPL Fig./1; 648, IPL Fig. 9) -- Passivate (F-17.09) all over. Material: 15-5PH CRES, 180-200 ksi.

LOCKOUT LEVER - REPAIR 23-1

141T6651-2

1. Plating Repair

NOTE: Repair consists of restoration of original finish. Refer to Refinish instructions, Fig. 601 and to REPAIR-GEN for list of applicable standard practices.



REFINISH

LEVER (513) -- APPLY 1 COAT OF BMS 10-11, TYPE 1 PRIMER (F-20.02) ALL OVER EXCEPT IN 0.250 INCH HOLE. APPLY VITROLUBE 1220 PER 20-50-08 0.0004-0.0007 INCH THICK AREA INDICATED BY 1 EXCEPT NO VITROLUBE PERMITTED IN 0.250 INCH HOLE

MATERIAL: 17-4PH CRES, 150-170 KSI

Lever Refinish
Figure 601

60585

LOCKOUT SECTOR ASSEMBLY - REPAIR 24-1

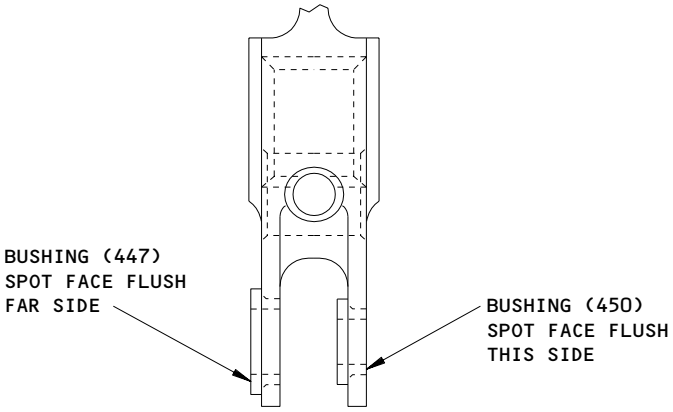
141T6652-2

NOTE: Refer to REPAIR - GENERAL for a list of applicable standard practices. Refer to IPL Fig. 1 for item numbers. For repair of surfaces which is only replacement of the original finish, refer to Refinish instructions, Fig. 601.

1. Bushing Replacement (Fig. 601)

   A. Remove the old bushings (447, 450).

   B. Install replacement bushings by the shrink-fit method (SOPM 20-50-03).



REFINISH

SECTOR (453) -- PASSIVATE (F-17.25, WHICH REPLACES (F-17.09)

REPAIR

125 ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

MATERIAL: 17-4PH CRES, 180 KSI MIN (OPT 15-5PH CRES, 180-200 KSI)

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

141T6652-2
Bushing Replacement and Sector Refinish
Figure 601

60586

PISTON ASSEMBLY - REPAIR 25-1

69B13060-7

NOTE: Refer to REPAIR - GENERAL for a list of applicable standard practices.
Refer to IPL Fig. 1 for item numbers.

1. Bearing Replacement

A. Remove the old bearing (363).

B. Install a replacement bearing and ball stake the housing (SOPM 20-50-03) at 4 locations equally spaced.

HOUSING ASSEMBLY - REPAIR 26-1

69B13067-7

NOTE: Refer to REPAIR - GENERAL for a list of applicable standard practices. Refer to IPL Fig. 1 for item numbers. For repair of surfaces which is only replacement of the original finish, refer to Refinish instructions, par. 2.

1. Bushing Replacement

   A. Remove the old bushings (336).

   B. Install replacement bushings by the shrink-fit method (SOPM 20-50-03).

2. Refinish

   A. Housing (339) -- Apply BMS 3-8 solid film lubricant (F-19.10) all over. Material: AISI 303 CRES, Condition A.

MISCELLANEOUS PARTS REFINISH - REPAIR 27-1

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

IPL FIG. & ITEM	MATERIAL	FINISH
Fig. 1		
Handle mechanism assembly (1,3)		Cheical treat and apply BMS 10-11, Type 1 primer and BMS 10-11, Type 2 enamel (F-21.16).
Fittings (29H,29N), cap (129), clutch (158), spacer 158M), adapter (162), lever (396A 834,836L,836R,837, 839R,839W), shafts (456,723,858), pin (849), spacer (159, 906)	15-5PH CRES, 180-200 ksi	Passivate (F-17.25, which replaces (F-17.09).
Sleeve (249,291, 576,603)	Al alloy	No finish (F-25.01).
Spring (342,861, 961)	17-7PH CRES	Passivate (F-17.25, which replaces F-17.09).
Adapter (408), crank (693)	17-4PH CRES, 150 ksi minimum (Opt 15-5PH CRES, 150-170 ksi)	Passivate (F-17.25, which replaces F-17.09).
Support (555 or 558)	Al alloy	Anodize (F-17.05) and apply BMS 10-11, Type 1 primer (F-20.02) all over.

Refinish Details
Figure 601 (Sheet 1)

IPL FIG. & ITEM	MATERIAL	FINISH
Fig. 1 (Cont)		
Support (801)	17-4PH CRES, 180 ksi minimum (Opt 15-5PH CRES, 180-200 ksi)	Passivate (F-17.25, which replaces F-17.09).
Clip (833,839L)	302 or 304 annealed CRES	Passivate (F-17.25, which replaces F-17.09).
Base (960), pawl (962)	Al alloy	Chromic acid anodize and apply BMS 10-11, Type 1 primer (F-18.13) all over. Apply BMS 10-86, Type 1 or Type 2 white Teflon coating (F-14.9624, which replaces SRF-14.9624), 0.01 inch maximum thickness. No Teflon coating in 0.252-0.261 inch diameter holes.
Fig. 2		
Housing (45)	15-5PH CRES, 180-200 ksi	Passivate (F-17.25, which replaces F-17.09).
Fig. 5		
Plate (65), bracket (70,70A)	Al alloy	Chromic acid anodize and apply BMS 10-11, Type 1 primer (F-18.13) all over.

Refinish Details
Figure 601 (Sheet 2)

IPL FIG. & ITEM	MATERIAL	FINISH
Fig. 6		
Pawl (70)	15-5PH CRES, 180-200 ksi	Passivate (F-17.25, which replaces F-17.09).
Housing (85)	17-4PH CRES, 180-200 ksi	Cadmium plate and apply BMS 10-11, Type 1 primer (F-16.01).
Fig. 7		
Idler (35,40)	Al alloy	Anodize (F-17.05) and apply BMS 10-11, Type 1 primer (F-20.02) all over but no primer in holes.
Welded assembly (45,50)	Al alloy	Chromic acid anodize and apply BMS 10-11, Type 1 primer (F-18.13) all over but no primer in holes.
Fig. 9		
Handle mechanism assembly (1A)		Chemical treat and apply BMS 10-11, Type 1 primer and BMS 10-11, Type 2 enamel (F-21.16).
Cam bracket (33), clutch (177)	17-4PH CRES, 180-200 ksi	Passivate (F-17.25, which replaces F-17.09).

Refinish Details
Figure 601 (Sheet 3)

IPL FIG. & ITEM	MATERIAL	FINISH
Fig. 9 (Cont)		
Fitting (33A), lug (45,78), adapter (210), cap (150), clutch (177A), spacer (180,687), washer (216,690), lever (312,606,609) shaft (339,501,630) pin (621)	15-5PH CRES, 180-200 ksi	Passivate (F-17.25, which replaces F-17.09).
Spacer (183), adapter (324), lever (336)	15-5PH CRES, 150-170 ksi or 17-4PH CRES, 150 ksi minimum	Passivate (F-17.25, which replaces F-17.09).
Washer (219,342, 699), spring (222, 345)	301 CRES	Passivate (F-17.25, which replaces F-17.09).
Sleeve (255,366, 396)	Al alloy	No finish (F-25.01).
Bushing (549)	15-5PH CRES, 180-200 ksi	Chrome plate (F-15.03) (0.0005-0.0010 inch) OD and ends. Post plate grind if necessary to after-plating dimensions of: length=0.680-0.700, OD=0.2485-0.2495 inch. OD surface finish of 8 microinches. Passivate (F-17.25, which replaces F-17.09) the ID surfaces. Passivate (F-17.25, which replaces F-17.09) on ends is optional.

Refinish Details
Figure 601 (Sheet 4)

IPL FIG. & ITEM	MATERIAL	FINISH
Fig. 9 (Cont)		
Bushing (585)	15-5PH CRES, 180-200 ksi	Chrome plate (F-15.03) (0.0005-0.0010 inch) OD and ends. Post plate grind if necessary to after-plating dimensions of: length=0.375-0.380 inch, OD=0.2485-0.2495 inch. OD surface finish of 8 microinches. Passivate (F-17.25, which replaces F-17.09) the ID surfaces. Passivate F-17.25, which replaces F-17.09) on ends is optional.
Bushing (603)	15-5PH CRES, 180-200 ksi	Chrome plate (F-15.03) (0.0005-0.0010 inch) OD and ends. Post plate grind if necessary to after-plating dimensions of: length=0.192-0.197 inch, OD=0.3735-0.3745 inch. OD surface finish of 8 microinches. Passivate (F-17.25, which replaces F-17.09) the ID surfaces. Passivate (F-17.25, which replaces (F-17.09) on ends is optional.
Support (573), seal ring (696)	15-5PH CRES, 150-170 ksi	Passivate (F-17.25, which replaces F-17.09).
Retainer (618)	15-5PH CRES, 180-200 ksi or 17-4PH CRES, 180 ksi minimum	Passivate (F-17.25, which replaces F-17.09).

Refinish Details
Figure 601 (Sheet 5)

IPL FIG. & ITEM	MATERIAL	FINISH
Fig. 9 (Cont)		
Retainer (624)	15-5PH CRES, 180-200 ksi	Cadmium plate (F-15.06).
Spring (633,750)	17-7PH CRES	Passivate (F-17.25, which replaces F-17.09).
Terminal (672)	A1 alloy	Chromic acid anodize and apply BMS 10-11, Type 1 primer (F-18.13).
Retainer (675)	15-5PH CRES, 180-200 ksi	Cadmium plate and apply BMS 10-11, Type 1 primer (F-16.01).
Washer (684)	A1 alloy	Chemical treat and apply BMS 10-11, Type 1 primer (F-18.06).
Plug (717)	301-1/4 H or 301-1/2 or 15-5PH CRES, 180-200 ksi	Passivate (F-17.25, which replaces F-17.09).
Base (747), pawl (753)	A1 alloy	Chromic acid anodize and apply BMS 10-11, Type 1 primer (F-18.03) all over. Apply BMS 10-86, Type 1 or Type 2 white teflon coating (F-14.9624, which replaces SRF-14.9624), 0.01 inch maximum thick. No Teflon coating in 0.252-0.261 inch diameter holes.

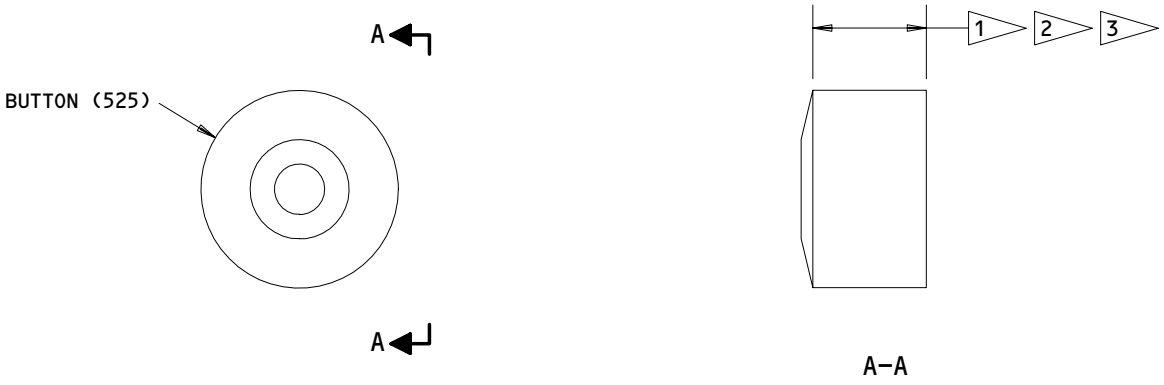
Refinish Details
Figure 601 (Sheet 6)

BUTTON - REPAIR 28-1

141T6538-7, -10

1. Plating Repair

NOTE: Repair consists of restoration of original finish. Refer to Refinish instructions, Fig. 601 and to REPAIR - GENERAL for a list of applicable standard practices.



REFINISH

BUTTON (525) -- APPLY ONE COAT BMS 10-11, TYPE 1 PRIMER (F-20.02) PLUS APPLY BMS 10-83, TYPE 2 ENAMEL (F-22.06-XXX) TO CIRCUMFERENTIAL SURFACE NOTED

MATERIAL: NYLON BAR, SPEC L-P-410

ITEM NUMBERS REFER TO IPL FIG. 1

1 APPLY PRIMER AND ENAMEL TO THIS SURFACE ONLY
2 141T6538-7 : APPLY BAC4533 GREEN ENAMEL
3 141T6538-10 : APPLY BAC302 YELLOW ENAMEL

141T6538-7,-10

Button Refinish
Figure 601

CAM BRACKET - REPAIR 29-1

143T6156-19, -20

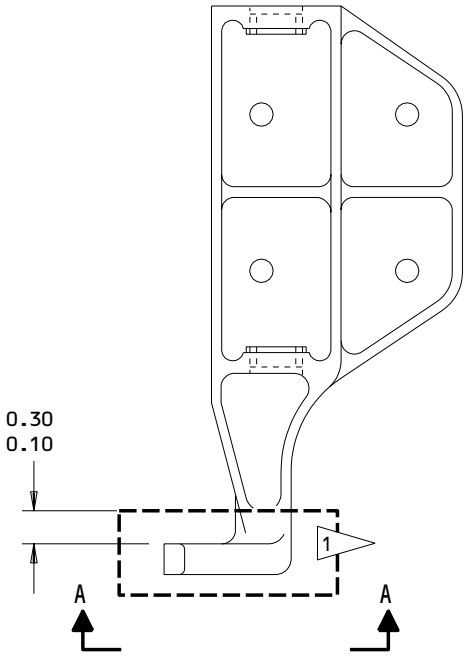
NOTE: Refer to REPAIR-GEN for list of applicable standard practices. For repair of surfaces which may only require restoration of original finish, refer to Refinish instructions, Fig. 601.

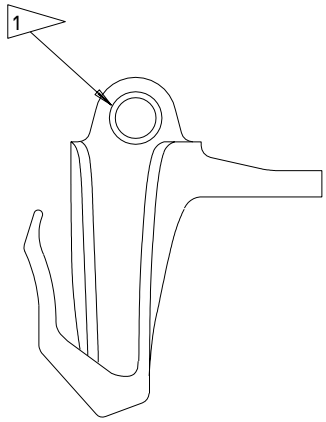
Item numbers refer to IPL Fig. 8.

1. Bushing Replacement

A. Remove bushings (10).

B. Install replacement bushings per 20-50-03.





A-A

REFINISH

CADIMUM PLATE AND APPLY ONE COAT OF BMS 10-11, TYPE 1 PRIMER (F-16.01) ALL OVER EXCEPT AS NOTED BY 1.

MATERIAL: AISI 630 (17-4PH) 180-200 KSI

ALL DIMENSIONS ARE IN INCHES

1 NO PRIMER IN THIS AREA

143T6156-19,-20
Cam Bracket Assembly Refinish
Figure 601

ASSEMBLY

1. Materials

NOTE: Equivalent substitutes may be used.

A. Grease -- MIL-G-23827 (Ref 20-60-03)

B. Sealant -- BMS 5-95 (Ref 20-60-04)

C. Grease -- BMS 3-24 (Ref 20-60-03)

D. Lockwire -- MS20995NC32

2. Assembly Instructions for Handle Mechanisms (141T6136-3,-4,-7,-8,-23,-24,-29,-30,-33,-34,-51,-52) Used on 767 Passenger Airplanes:

NOTE: Unless otherwise indicated, tighten fasteners per 20-50-01.

A. Preassemble the following components (IPL Fig. 1).

(1) Assemble adapter assembly (75) to shaft assembly (174).

(a) Apply wet sealant to faying surfaces of adapter assembly (75) and shaft assembly (174).

(b) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolt (81) and washer (84).

(c) Attach adapter assembly (75) to shaft assembly (174) with bolt (81) and washer (84).

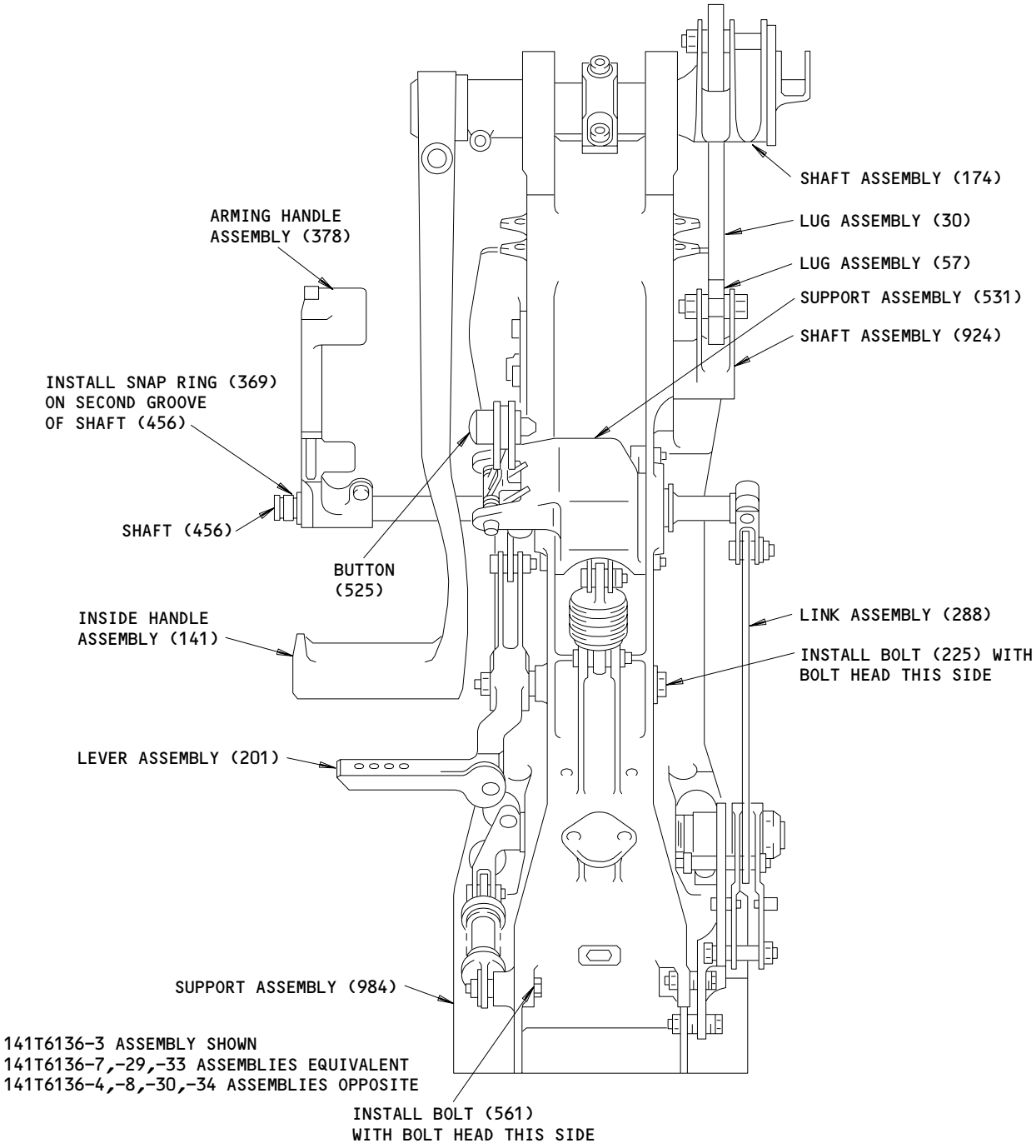
(2) Assemble handle assembly (378), lever assembly (387A) and adapter (408).

(a) Apply a light coat of grease, MIL-G-23827 to faying surfaces of lever assembly (387A) and to serrated area of handle assembly (378) and adapter (408).

(b) Install lever assembly (387A) and handle assembly (378) on adapter (408). Secure handle assembly (378) to lever assembly (387A) with screw (372) and spacer (375). Tighten screw (372) finger-tight.

(3) Assemble lug assemblies (30, 57).

(a) Apply a light coat of grease, MIL-G-23827 to serrated surfaces of lug assemblies (30, 57).



ITEM NUMBERS REFER TO 1PL FIG. 1

(VIEW IN THE OUTBOARD DIRECTION)

Handle Mechanism Assembly
Figure 701

60436

(b) Assemble lug assemblies (30, 57) and secure with bolts (42, 48) and washers (45, 51, 54). Assemble fasteners only to retain lug assemblies.

(4) Assemble roller assembly (816), levers (834, 837), clip (833) and rod end assembly (870).

WARNING: MAKE SURE LEVERS (834, 837) ARE INSTALLED AS SHOWN IN FIG. 705. BACKWARDS INSTALLATION OF LEVERS (834, 837) WILL PREVENT DOOR OPENING DURING EMERGENCY EXIT.

CAUTION: LEVERS (834, 837) CONSTITUTE A MATCH SET AND MUST BE USED TOGETHER TO ENSURE PROPER OPERATION AFTER ASSEMBLY. CLIP (833) IS INSTALLED WITH MATCHED SET OF 141T6280-1, -2 LEVERS (834, 837) ONLY TO PREVENT BACKWARDS INSTALLATION OF THE LEVERS DURING ASSEMBLY. SEE FIG. 705 FOR CORRECT ORIENTATION.

(a) Assemble levers (834, 837) and rod end assembly (870) and install bushing (813) inside roller assembly (816). Install clip (833), as necessary, around middle shaft between levers (834, 837).

(b) Apply a light coat of grease, MIL-G-23827 to threads and shank of bolt (804). Position roller assembly (816) between levers (834, 837) and install bolt (804), washer (807) and nut (810). Observe bolt (804) head direction regarding L.H. or R.H. handle assembly (945).

(5) Assemble roller assembly (780) and bushing (777) on support (801) and secure with bolt (768), washer (771), and nut (774).

(6) Apply a light coat of grease, MIL-G-23827 to threads and shank of bolt (696) and install bolt (696), washers (699) and nut (702) on crank (693). Install 13 washers under bolt and 1 washer under nut. Tighten nut finger tight.

(7) Apply a light coat of grease, MIL-G-23827 to O.D. of bearings (186, 468, 720) and install in support assembly (984).

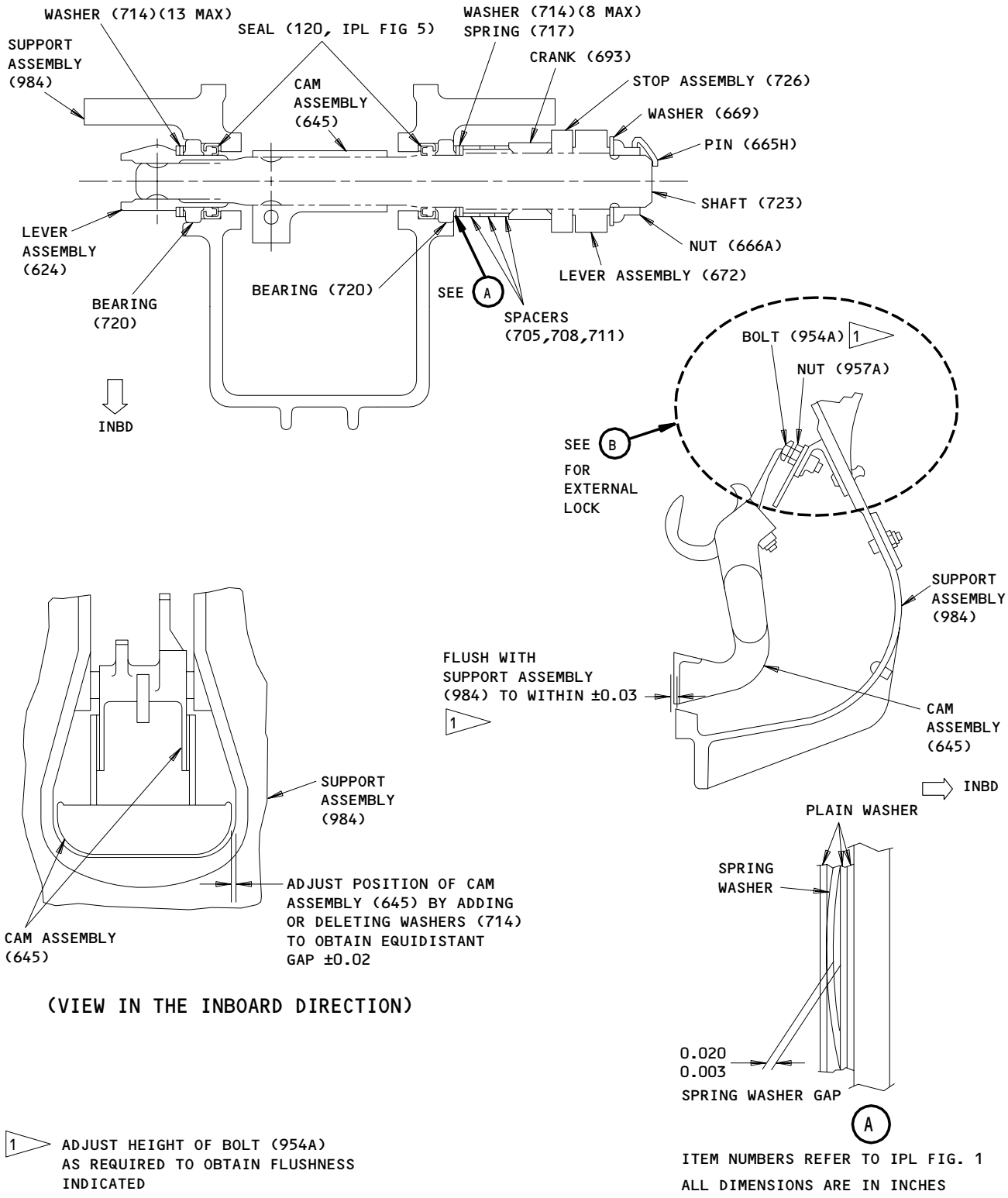
B. Assemble cam assembly (645) and shaft (723) (Fig. 702).

(1) Apply a light coat of grease, MIL-G-23827 to the full length of shaft (723) and to the internal and splined areas of cam assembly (645), washers (714), spring (717) and to splines and bearing flat of lever assembly (624). Install 2 washers (714) and 1 spring (717) on shaft (723) up against the large splined end of shaft.

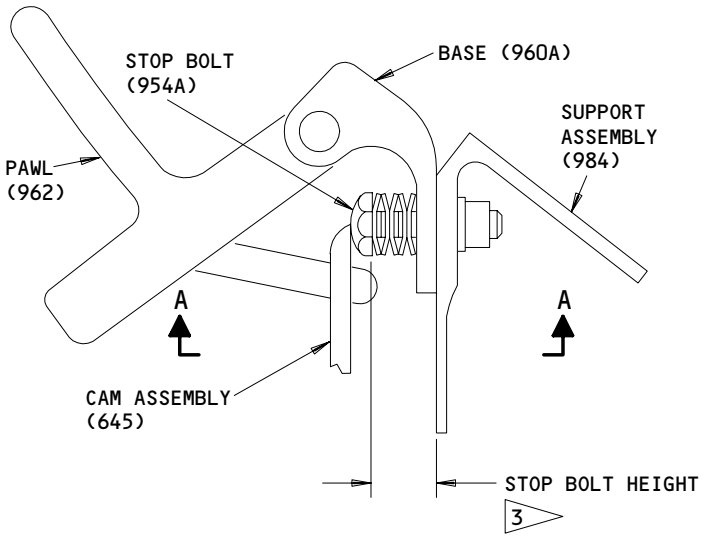
CAUTION: MAKE SURE SHAFT (723) IS PROPERLY LUBRICATED AND USE A SLOW ROTATING MOTION TO INSERT SHAFT (723) INTO SUPPORT ASSEMBLY (984). THIS WILL HELP PREVENT SEAL (120, IPL FIG. 5) FROM BEING INVERTED AND DAMAGED BY THE SHAFT DIAMETER. IF THE SHAFT HAS BEEN PROPERLY INSTALLED THROUGH THE SEAL, THEN LITTLE RESISTANCE WILL BE FELT WHEN ROTATING THE SHAFT. IF BINDING IS FELT DURING ROTATION OF THE SHAFT, CHECK AND MAKE SURE THE SEAL HAS NOT BEEN DAMAGED.

(2) Position cam assembly (645) in cavity of support assembly (984) and install shaft (723). Push lever (654) of cam assembly inward to gain access to fastener hole in cam assembly.

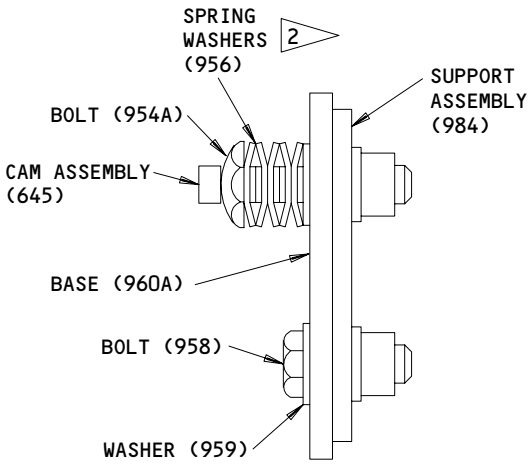
(3) Apply a thin film of grease, MIL-G-23827 to shank and threads of bolt (636). Install bolt (636) thru cam assembly (645) with washer (639) and nut (642).



Assembly Details – Cam Assembly
Figure 702 (Sheet 1)



ARMING SYSTEM EXTERNAL LOCK
B



A–A

2 NOTE POSITION OF WASHER ADJACENT TO BOLT HEAD, AND ALTERNATING POSITION OF ADDITIONAL WASHERS

3 FILL THIS DIMENSION WITH ANY COMBINATION OF WASHERS (956) TO PRODUCE DISARM LEVER FLUSHNESS AS SHOWN ON SHEET 1. MEASURE STOP BOLT (954A) HEIGHT AFTER INSTALLING WASHERS (956) AND TIGHTEN BOLT TO 35–40 IN.–LBS TORQUE

Assembly Details – Cam Assembly
Figure 702 (Sheet 2)

232766

(4) Check that cam assembly (645) is centered in the support assembly to within ± 0.02 inch. Remove parts and add washers (714) as required, up to 8 washers to center cam assembly.

CAUTION: MAKE SURE THAT LEVER ASSEMBLY (624) DOES NOT DAMAGE OR INVERT SEAL (120, IPL FIG. 5) DURING INSTALLATION.

NOTE: An optional method of assembly may be used to prevent seal inversion or damage. This optional method is as follows: build up the lever assembly per step B.(5) and install the lever assembly prior to installation of the cam assembly (645). Use a custom tool such as a socket or short length of shaft which is equal to or slightly larger than the lever assembly diameter. Apply grease to the tool and place the tool in the interior of the support assembly (984) then insert the tool into the seal. Apply grease to the lever assembly and, working from the outside of the support assembly, match the lever assembly up against the tool. Apply pressure to the lever assembly and slowly rotate as it is moved into the seal so that the tool is displaced. Make a check of the seal to verify that the seal has not been inverted or damaged. The cam assembly (645) and shaft (723) are then installed using steps B.(1) thru B.(4). Adjust the number of washers (714) as required per step B.(7), then move on to step B.(8).

(5) Install two washers (714) on bearing flat of lever assembly (624).

(6) Apply grease to the outside diameter of the lever assembly (624) that contacts seal (120, IPL Fig. 5) and the splined surfaces. Install the lever assembly onto shaft (723). Move the lever assembly in a slow rotating motion as it is moved past the seal.

(7) Adjust number of washers (714) as required (to a maximum of 13) so that bolt (615) can easily pass thru bolthole in lever assembly and bolt cutout in shaft and spring (717) is slightly compressed (0.003-0.020 inch gap between spring and adjacent part). Install bolt (615), washer (618) and nut (621).

(8) Verify that the seals (120, IPL Fig. 5) have not been inverted or damaged during the assembly procedure. Move the cam assembly (645) back and forth through its inboard-outboard motion cycle and repeat five to eight times. The cam assembly should move freely without binding since the shaft (723) is not connected to any linkages at the time of this check. If binding of the cam assembly is observed, do a check of the seal and/or bearings (720). Replace seal or bearings if required.

(9) Adjust cam assembly (645) external flushness as follows:

(a) For those assemblies not using the arming system external lock (961, 962), install bolt (954A), nut (957A) and washer (955) on support assembly (984). Adjust bolt height so that cam assembly (645) is flush to contour of support assembly to within 0.03 inch over surface of cam assembly in the closed position. Tighten nut (957A) to secure bolt in position.

(b) For those assemblies using the arming system external lock, assemble items (959H thru 962). Coat pin (959H) and adjacent surfaces with MIL-G-23827 grease. Install base (960) and attached items on support assembly (984) using bolts (954A, 958). Adjust bolt (954A) height so that cam assembly (645) is flush to contour of support assembly to within 0.03 inch over surface of cam assembly in the closed position. Measure stop bolt (954A) height; remove bolt and install required number of spring washers (956) per Fig. 702.

(10) Apply a light coat of grease, MIL-G-23827 to bearing ID and faying surfaces of guide assemblies (573, 600). Assemble spring (585) and guide assemblies (573, 600).

(11) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolts (561, 588). Attach guide assembly (600) to lever assembly (624) with bolt (588), washer (594), bushing (591) and nut (597). Attach guide assembly (573) to support assembly (984) with bolt (561), washers (564, 567) and nut (570). Install bolt (561) with bolthead toward centerline of support assembly (984).

(12) Verify that the cam assembly (645) and the overcenter spring linkage (guide assemblies 573, 600 and spring 585) have been assembled correctly and function without binding. Move the cam assembly through its inboard-outboard motion cycle and repeat several times. As the cam assembly is pushed inboard through the overcenter position, the cam assembly should snap quickly to the full inboard position. Also, as the cam assembly is pulled outboard through the overcenter position, the cam assembly should snap quickly to the full outboard position. The cam assembly should move without binding or hesitation.

C. Assemble shaft assembly (924) and external handle assembly (945).

(1) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolts (789) and install bolts in handle assembly (945).

(2) Install plug (942) in shaft assembly (924) with sealant and fillet seal plug to 0.18 inch minimum with sealant.

(3) Apply a light coat of grease, MIL-G-23827 to seal (912) and install in seal ring (915).

(4) Apply a light coat of grease, MIL-G-23827 to washers (885, 903, 909, 918), faying surfaces of shaft assembly (924), spacer (906), seal ring (915) and bearings (900, 921) and I.D. of bearings in handle assembly (945).

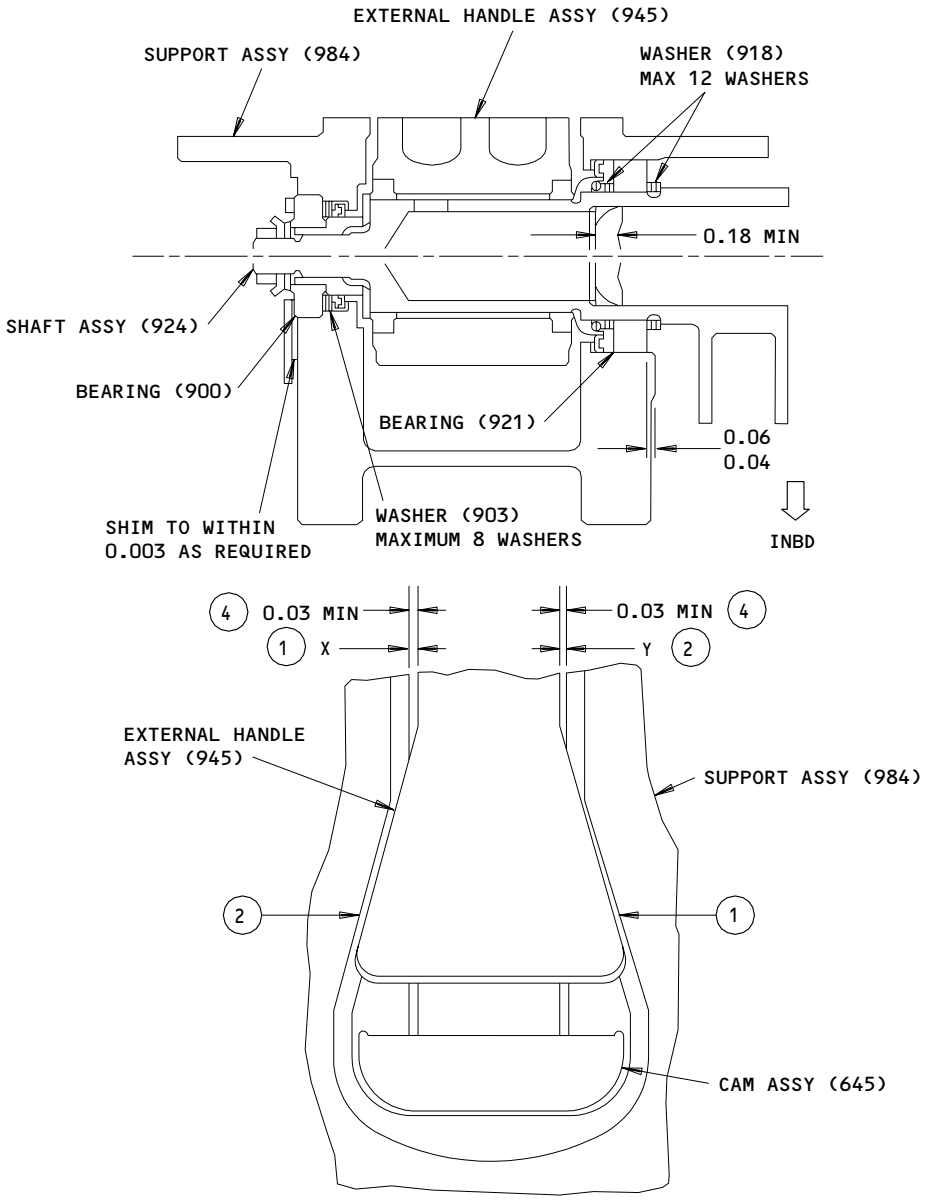
(5) Install bearing (921) with 5 washers (918) on each side on shaft assembly (924). Install seal ring (915), spacer (906) on support assembly (984). Use care not to damage seal in support assembly (984) while installing seal ring (915).

(6) Position external handle assembly (945) and washer (909) in the cavity of support assembly (984) and install shaft assembly (924) with attached parts. Install 7 washers (903), bearing (900) on shaft assembly (924). Install washers (882, 885) and nut (879). Tighten nut (879) finger tight to remove free play from bearing (900). Install retainer (894) and secure with bolts (888) and washers (891). Tighten bolts (888) finger tight to retain the bearing (900) in place.

(7) Install bolt (951A), nut (952), washer (953). Close external handle assembly (945) and note the height of the handle assembly. Adjust height of bolt (951A) as required so that external handle assembly (945) is flush with the contour of support assembly (984).

(8) Apply 20-50 pounds force to the external handle assembly (945) to one side and measure gap between handle assembly and support assembly (984). Repeat the procedure with the same force ± 5 pounds on the other side. Determine the center location of the handle assembly (945). Adjust the position of handle assembly by add or delete washers (903) behind bearing (900) as required up to maximum of 8 washers in place.

(9) Close handle assembly (945) and check that there is 0.030 inch minimum gap all around handle assembly. If required, modify the centering of the handle assembly by adding and deleting and/or relocate washers (918) between bearing (921) up to total of 12 washers (918). Adjust numbers of washer (918) between shaft assembly (924) and bearing (921) as required so that outer race of bearing is 0.04-0.06 inch below surface of support assembly (984) (Fig. 703).



(VIEW LOOKING INBD)

(1) APPLY 20-50 LBS ON HANDLE ASSY (945) AND MEASURE GAP "X"

(2) APPLY THE SAME FORCE AS (1) +5 LBS AND MEASURE GAP "Y"

(3) GAP ADJUSTMENT = $\frac{X-Y}{2}$

ADJUST NUMBERS OF WASHER (903) AS REQUIRED. WASHER THICKNESS 0.016 INCH

(4) AFTER CENTERED POSITION IS OBTAINED, CHECK FOR 0.030 MINIMUM GAP ALL AROUND HANDLE ASSEMBLY. RELOCATE WASHERS (918) AS REQUIRED TO OBTAIN MINIMUM GAP

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

Assemble Shaft Assembly and External Handle Assembly
Figure 703

(10) Wrap lockwire around notch in pin (849) and insert pin into bushing hole in handle assembly (945). Rotate shaft assembly (924) as required to engage pin in slot in shaft assembly.

(11) Adjust bushing (855) to eliminate freeplay in shaft assembly (924).

(a) Rotate shaft assembly (924) until slot in shaft assembly contacts pin (849) and maintain this position.

(b) Install bushing (855) and retainer (852) in handle assembly (945) and install shaft (858) thru bushing (855) into hole in shaft assembly (924).

(c) Rotate bushing (855) and/or retainer (852) until free play in shaft assembly (924) is minimized and shaft (858) can be removed and inserted with no interference or binding (Fig. 704).

(d) Check that the free play at the grip end of the handle assembly (945) is 0.25 inch maximum.

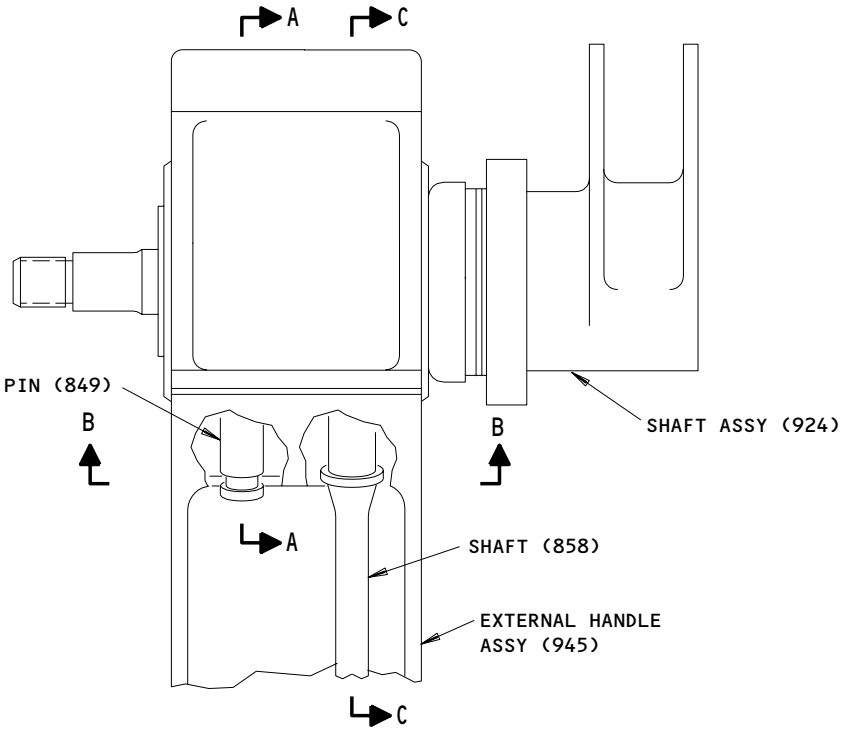
(e) Mark position of bushing (855), retainer (852) and shaft (858).

(f) Remove shaft (858), bushing (855), retainer (852) and pin (849) from handle assembly (945). Remove lockwire from pin.

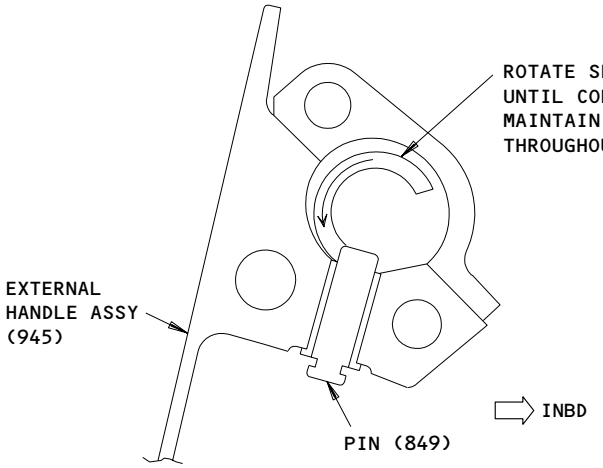
(12) Apply a light coat of grease, MIL-G-23827 to faying surfaces of pin (849) and shaft (858) and a light coat of grease, BMS 3-24 to all surfaces of bushing (855) and retainer (852).

(13) Assemble shaft (858), washer (867) and nut (864) to rod end assembly (870) with preassembled parts.

(14) Install retainer (852) on bushing (855) and install parts in handle assembly as marked. Install spring (861), shaft (858) and support (846) and secure support with bolt (840) and washers (843). Install spring (861) so that smaller diameter is toward centerline of shaft assembly (924). Install shaft (858) as marked. Make sure to orient keyway on shaft (858) inboard or outboard for shaft alignment. If safety clip (833) is installed, orient keyway inboard.



VIEW LOOKING OUTBD
(SUPPORT ASSY (984) OMITTED FOR CLARITY)

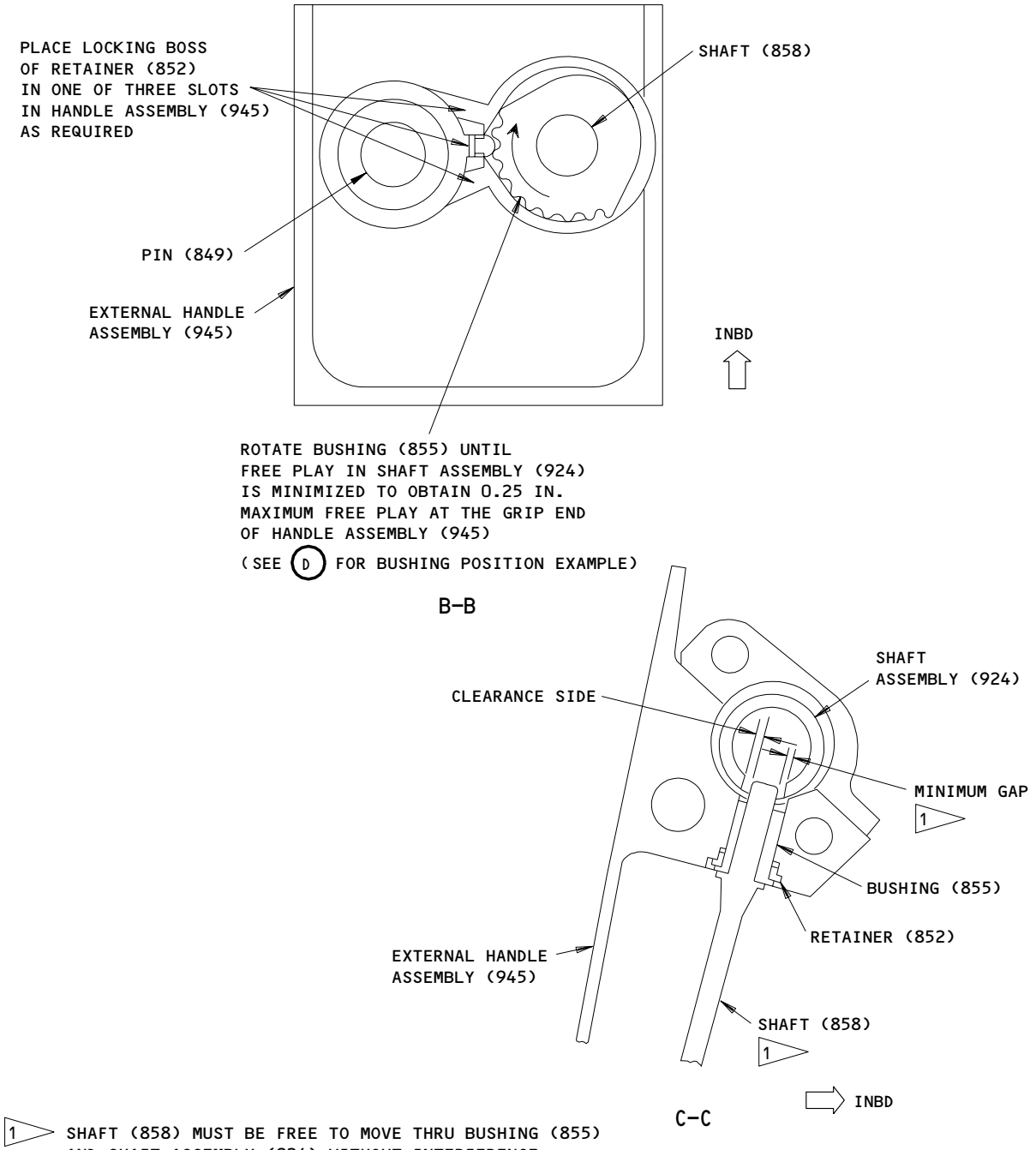


A-A

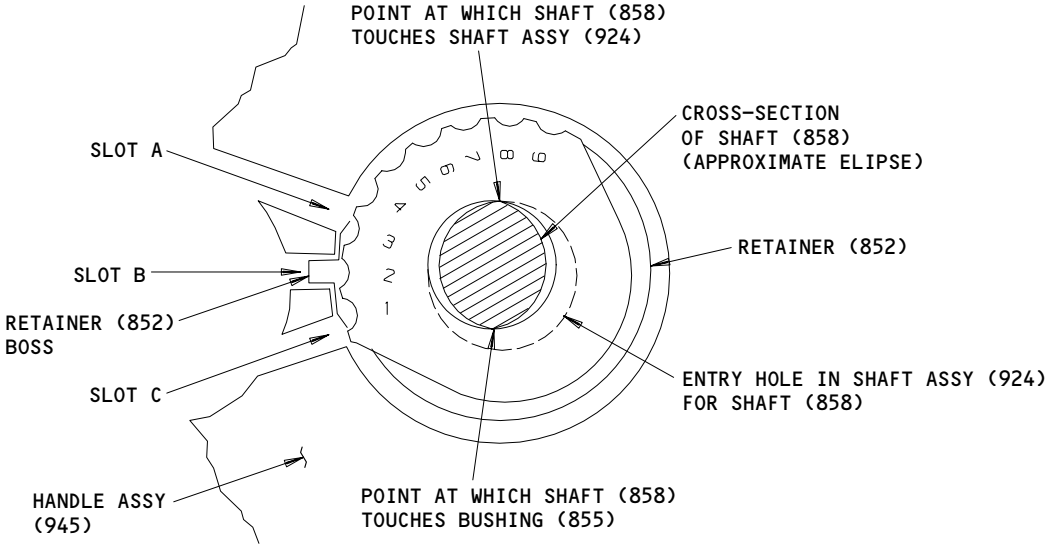
ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

External Handle Assembly Rigging Details
Figure 704 (Sheet 1)



External Handle Assembly Rigging Details
Figure 704 (Sheet 2)



D

EXAMPLE OF ADJUSTMENT OF BUSHING POSITION

NOTE: THE SLOTS IN THE HANDLE ASSY (945) ARE 20 DEGREES APART. THE NOTCHES IN THE BUSHING (855) ARE 15 DEGREES APART.

USUALLY, A 5 DEGREE OR 10 DEGREE ADJUSTMENT IS SUFFICIENT TO LET THE SHAFT (858) MOVE FREELY.

IN THIS EXAMPLE, THE RETAINER (852) AND BUSHING (855) ARE LOCATED AS SHOWN. EACH CHANGE IS MEASURED FROM THIS LOCATION.

IF THE SHAFT (858) DOES NOT MOVE FREELY THROUGH THE BUSHING (855) AND SHAFT ASSEMBLY (924), PROCEED AS FOLLOWS:

1) CHANGE THE POSITIONS BY 5 DEGREES. MOVE THE RETAINER (852) BOSS TO SLOT C. MOVE THE BUSHING (855) TO NOTCH 1. SEE IF THE SHAFT (858) MOVES FREELY THROUGH THE BUSHING (855).

2) IF THE SHAFT (858) STILL DOES NOT MOVE FREELY, CHANGE THE POSITIONS BY 10 DEGREES. MOVE THE RETAINER (852) BOSS TO SLOT A. MOVE THE BUSHING (855) TO NOTCH 4. SEE IF THE SHAFT (858) MOVES FREELY.

3) IF THE SHAFT (858) STILL DOES NOT MOVE FREELY, CHANGE THE POSITIONS BY 15 DEGREES. MOVE THE RETAINER (852) BOSS TO SLOT B. MOVE THE BUSHING (855) TO NOTCH 3. SEE IF THE SHAFT (858) MOVES FREELY.

4) IF THE SHAFT (858) STILL DOES NOT MOVE FREELY, CHANGE THE POSITIONS BY 20 DEGREES. MOVE THE RETAINER (852) BOSS TO SLOT C. MOVE THE BUSHING (855) TO NOTCH 2. SEE IF THE SHAFT (858) MOVES FREELY.

External Handle Assembly Rigging Details
Figure 704 (Sheet 3)

(15) Apply a light coat of grease, MIL-G-23827 to threads and shank of bolt (825) and to bushings (831). Secure preassembled levers (834, 837) to handle assembly (945) with bolt (825), bushings (831) and nut (828). Install bolt (825) with bolt head towards outside of handle assembly.

(16) Close handle assembly (945) and check position of handle assembly relative to support assembly (984). Adjust the length of shaft (858) in full turns as required so that roller assembly (816) just contacts cam assembly (645) and shaft (858) disconnects from shaft assembly (924) when the handle assembly (945) is closed. Turn shaft (858) 2 full turns into rod end assembly (870). Check that there is no stored torque in spring (861) and tighten nut (864).

NOTE: Adjust shaft (858) in full turns so the position of shaft established per step (11) is not disturbed.

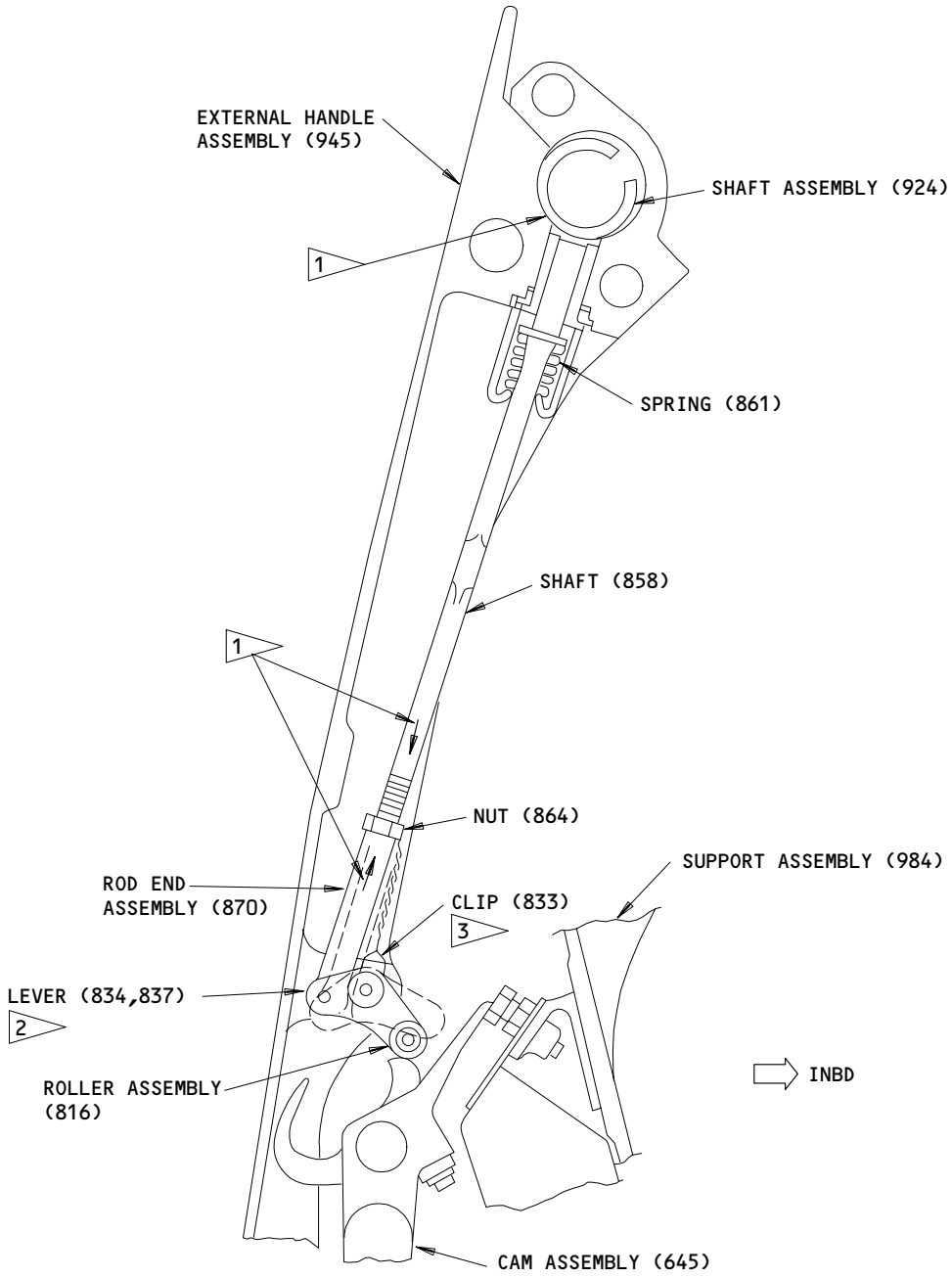
(17) Attach clip (833, if applicable) to shaft (858) with lockwire. Install lockwire using double-twist method such that it goes through washer (867), and nut (864). Make sure that the clip has free play and does not limit full motion of shaft.

(18) Install shim (798), support (801), washers (792), nuts (795) on handle assembly (945). Adjust height of stop bolt (951A) then adjust thickness of shim (798) so that roller assembly (780) just contact cam assembly (645) when the handle assembly (945) is closed. Tighten nut (952) to secure bolt (951A). Also check that handle assembly is flush to within 0.03 inch with support assembly (984). Remove parts (792 thru 801).

(19) Apply a light coat of grease, MIL-G-23827 or BMS 3-24 to faying surfaces of handle assembly (945) and support (801). Wipe surfaces with dry cloth to remove grease (do not use solvent). Install support (801) and shim (798) adjusted per step (18) on handle assembly (945) with sealant on faying surfaces and secure with washers (792) and nuts (795). Apply a bead of sealant to threads of bolts (789) before installing washers (792) and nut (795). Wipe off excess sealant.

(20) Remove bolts (888), washers (891) and retainer (894) and tighten nut (879) to 80-120 lb-in.

(21) Check position of bearing (900). If bearing (900) is below support assembly (984) surface, fill cavity with washers (903) to 0.016 inch above housing surface. If bearing (900) is above support assembly (984) surface, prepare shim (897) with thickness equal to or up to 0.016 inch less than the height of the bearing (900) above support assembly surface.



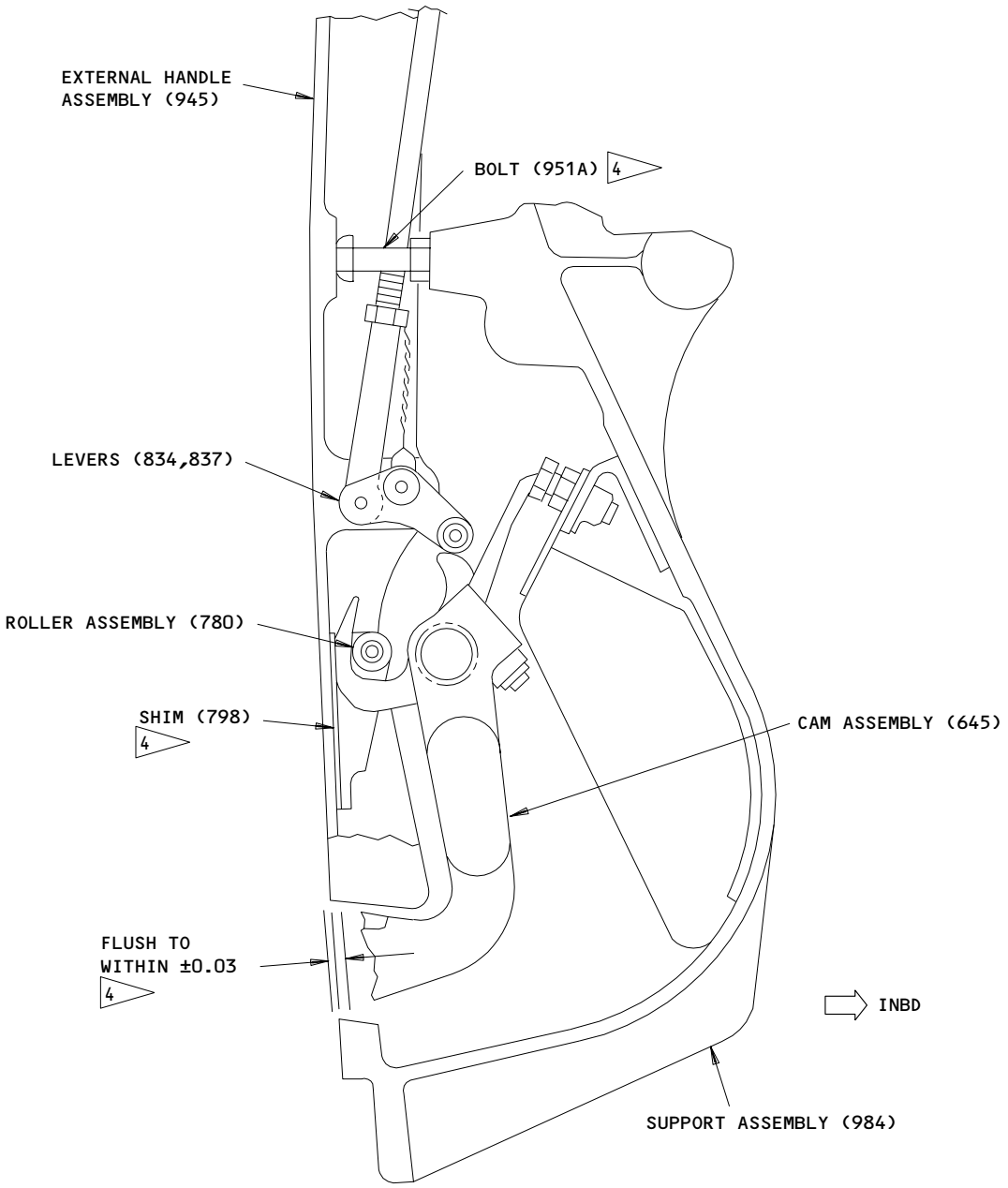
1 WITH SHAFT (858) DISENGAGED FROM SHAFT ASSEMBLY (924), ROTATE SHAFT IN FULL TURNS INTO ROD END ASSEMBLY (870) UNTIL ROLLER ASSEMBLY (816) CONTACTS CAM ASSEMBLY (645). CHECK THAT THERE IS NO STORED TORQUE IN SPRING (861). TURN SHAFT (858) 2 ADDITIONAL TURNS INTO ROD END ASSEMBLY (870) AND TIGHTEN NUT (864)

2 INSTALL LEVERS (834,837) AS SHOWN

3 MAKE SURE THAT THE CLIP (833) AND LOCKWIRE DO NOT LIMIT FULL MOTION OF SHAFT (858)

ITEM NUMBERS REFER TO IPL FIG. 1

Final Adjustment of External Handle Assembly
Figure 705 (Sheet 1)



4 ADJUST BOLT (951A) AND SHIM (798) SO THAT ROLLER ASSEMBLY (780) CONTACTS CAM ASSEMBLY (645) WHEN THE HANDLE ASSEMBLY (945) IS CLOSED AND HANDLE ASSEMBLY IS FLUSHED WITH SUPPORT ASSEMBLY (984) TO WITHIN ±0.03

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

Final Adjustment of External Handle Assembly
Figure 705 (Sheet 2)

(22) Apply a light coat of grease, MIL-G-23827 or BMS 3-24 to faying surfaces of retainer (894) and support assembly (984). Wipe off grease with dry cloth (do not use solvent). Assemble retainer (894), terminal (893), and shim (897) to support assembly (984). For 141T6136-3, -4, -7, -8, -23, -24 assemblies install bolts (888) and washers (891) with wet sealant. For 141T6136-29, -30, -33, -34 assemblies, install bolts (889, 1 place; 887, 2 places) and washers (890). Lockwire bolts (887) using double-twist method (ref 20-50-02). Install lockwire from bolt (889) to notch on terminal fitting (893).

D. Assemble shaft (456) and associated components (Fig. 706).

(1) Assemble support assembly (531), sector assembly (438).

(a) Apply a light coat of grease, BMS 3-24 to O.D. of bushings (555) and install bushings in support assembly (984).

(b) Apply a light coat of grease, BMS 3-24 to shank and threads of bolts (537).

(c) Position support assembly (531) on handle support assembly (984) and install bolts (537), washers (540, 541), bushings (558A) and nuts (543). Tighten nuts (543) finger-tight.

(d) Apply a light coat of grease, MIL-G-23827 to splines of shaft (456) and lever assembly (420) and to washer (459) and spring (465). Install washer (462) and spring (465) on shaft (456).

(e) Position sector assembly (531) and install shaft (456) thru support assemblies (531, 984). Install washer (459) and lever assembly (420) on shaft (456) with split line in lever assembly align with missing tooth in shaft. Apply a light coat of grease, MIL-G-23827 to shank and threads of bolt (411) and install bolt (411), washer (414) and nut (417).

(f) Apply a light coat of grease, BMS 3-24 to shank and threads of bolt (432). Secure sector assembly (438) with bolt (432A), washer (435). Tighten bolt (432A) just enough to remove play between sector assembly and shaft (456).

(g) Check distance between sector assembly (438) and support assembly (531) and add or delete washers (541) between bushing (543) and support assembly (531) to obtain dimension shown (Fig. 701).

(h) Tighten nuts (543) and measure distance between nut (543) and end of bolt (537) and add washers (541) under nut as required to obtain 0.17 inch maximum distance.

(2) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolt (348A). Install piston assembly (360) on sector assembly (438) and secure with bolt (348A), washer (351A), bushing (354) and nut (357).

(3) Install 5 washers (345) and spring (342) in housing assembly (333).

(4) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolt (321). Mate piston assembly (360) and housing assembly (333) and secure housing assembly to support assembly with parts (321 thru 330).

(5) Apply a light coat of grease, MIL-G-23827 to splines of adapter (408). Install adapter with preassembled handle assembly (378) on shaft (456) at dimension indicated in Fig. 706.

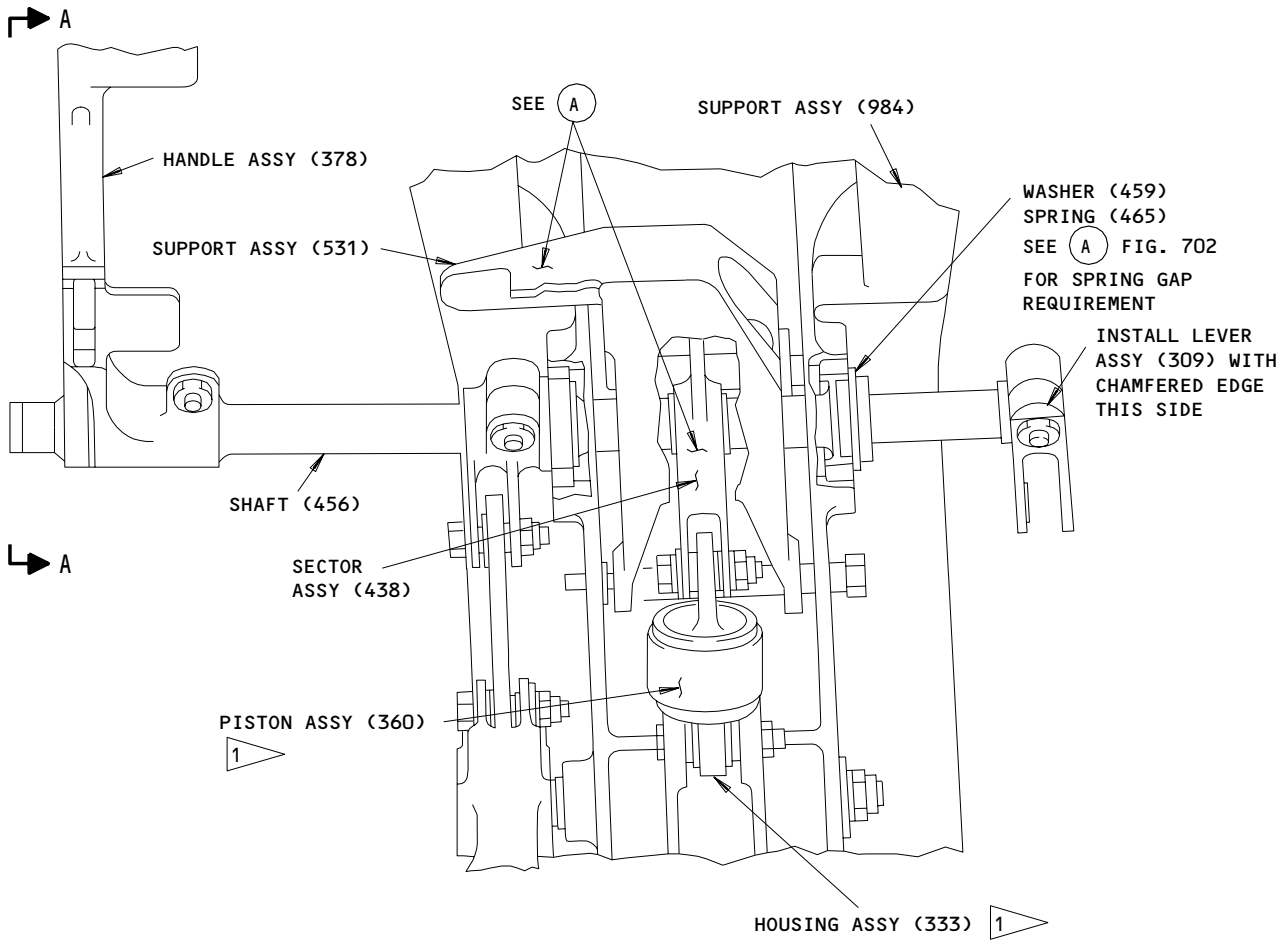
(6) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolt (399) and install parts (399 thru 405). Install snap ring (369).

NOTE: Final adjustment of handle assembly (378) will be done during installation on airplane.

(7) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolt (225). Position lever assembly (201) and install parts (225 thru 231) to secure. Install bolt (225) with bolthead away from lever assembly and washer (228A) under bolthead.

(8) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolts (189, 234). Position link assembly (246) and secure with parts (189 thru 198, 234 thru 243).

(9) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolt (300) and to splines of lever assembly (309).

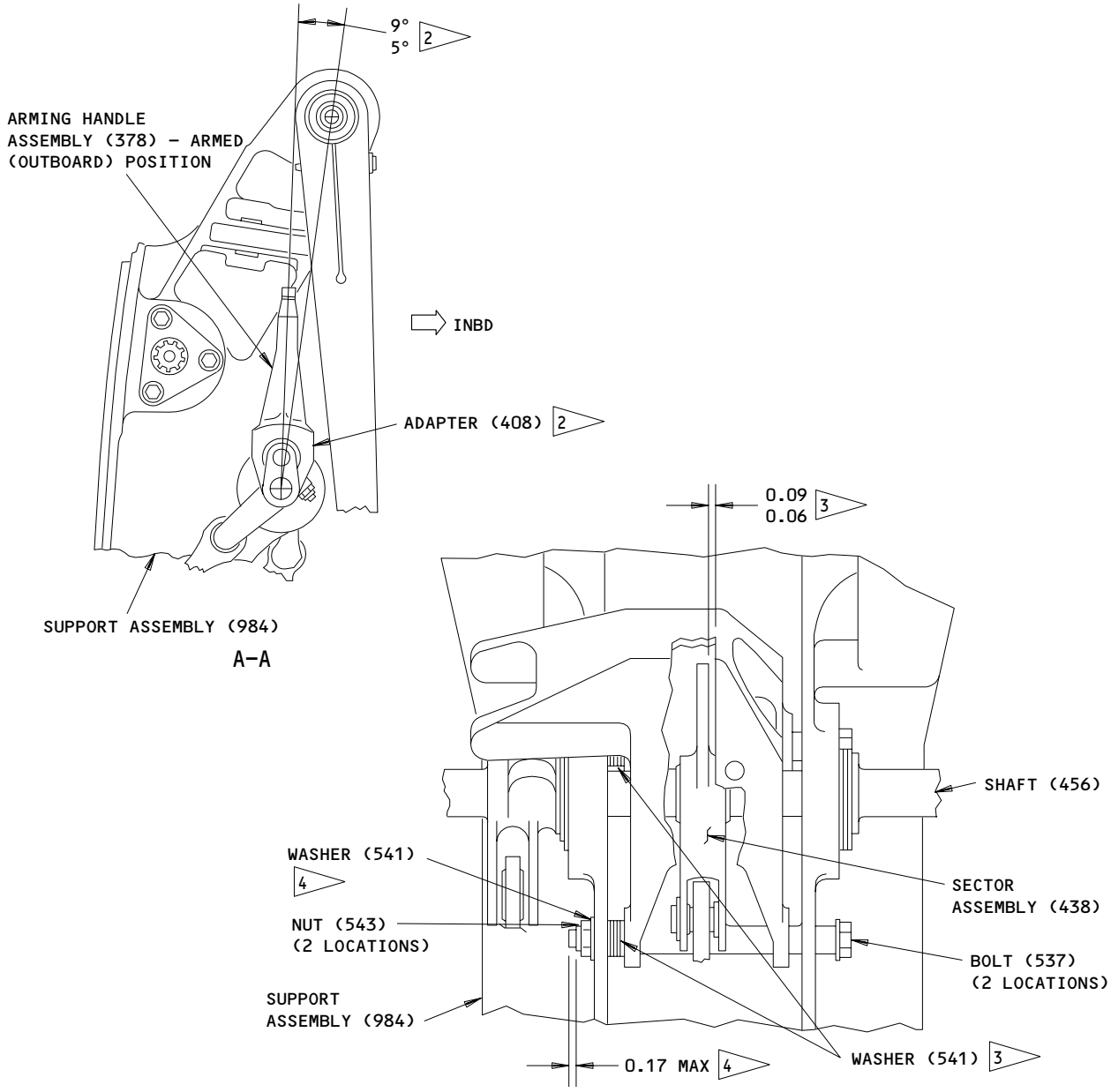


(VIEW LOOKING OUTBD)

1 ALIGN PISTON ASSY (360) AND HOUSING ASSY (333) BY CHANGING QTY OF WASHER (459) ON SHAFT (456)

ITEM NUMBERS REFER TO IPL FIG. 1

Assembly Details – Shaft and Arming Handle
Figure 706 (Sheet 1)



NOTE: WASHER (541) THICKNESS = 0.016

2 WITH ARMING LINKAGE IN ARMED (OUTBD) POSITION, POSITION ADAPTER (408) AS SHOWN

3 ADJUST NUMBERS OF WASHERS (541) AS REQUIRED TO OBTAIN DIM SHOWN (2 PLACES)

4 ADD WASHERS (541) AS REQUIRED TO OBTAIN MAX DIM SHOWN (2 PLACES)

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

Assembly Details – Shaft and Arming Handle
Figure 706 (Sheet 2)

(10) Install lever assembly (309) on shaft (456) with the chamfered edge of lever assembly facing inboard. Secure lever assembly with parts (300 thru 306).

E. Assemble stop assembly (726) and lever assembly (672) (Fig. 707).

(1) Apply a light coat of grease, MIL-G-23827 on spacers (705, 708, 711) and install 2 spacers (708), 1 spacer (711) and 1 spacer (705) on shaft (723).

(2) Apply a light coat of grease, MIL-G-23827 on splines of crank (693) and install crank on shaft (723) at about 15 degrees inboard to the vertical line of the support assembly (984) with bolt head inboard.

(3) Apply a light coat of grease, MIL-G-23827 on shank and threads of bolt (675) and install parts (675 thru 690) on lever assembly (672). Refer to IPL Fig. 1 for location of washer (684) and bushing (687) in LH or RH assembly.

NOTE: Use an appropriate 0.437 inch long bushing or spacer between lugs of lever assembly (672) for handling.

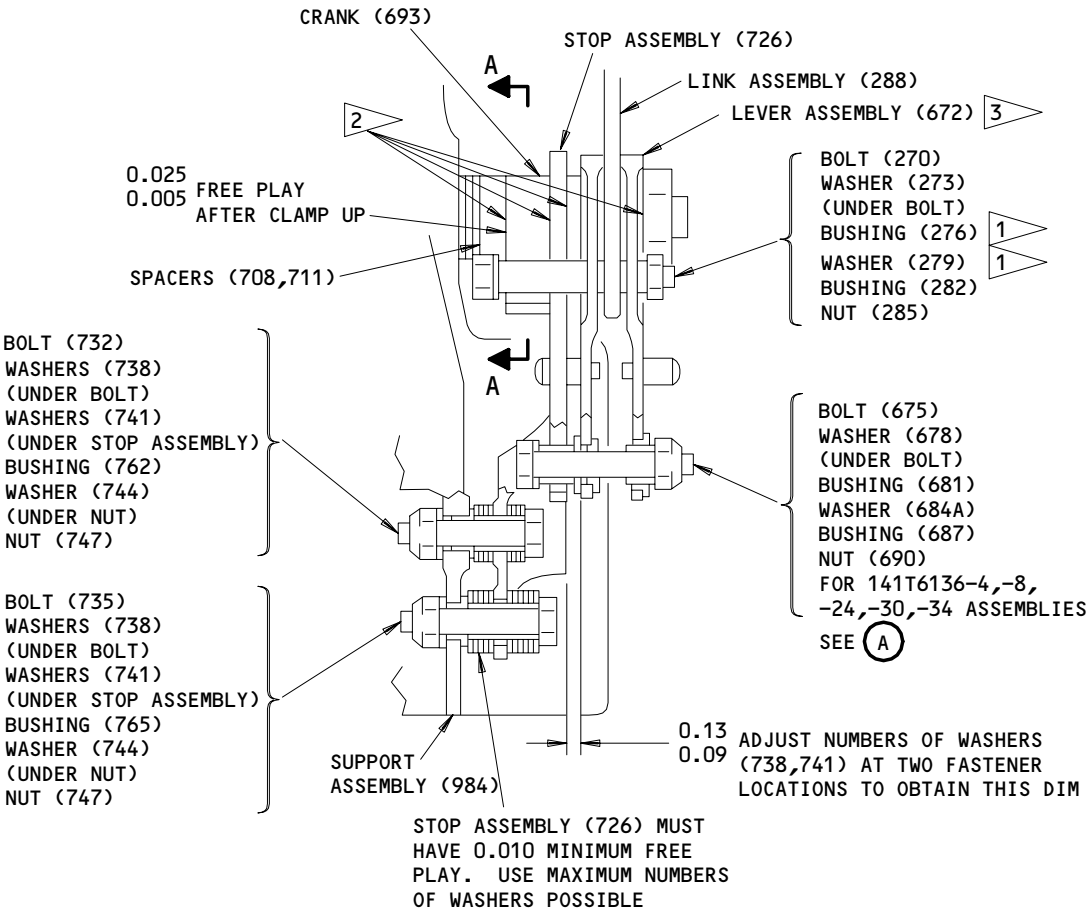
(4) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolt (270) and secure link assembly (288) to lever assembly (672) with parts (270 thru 285). Observe location of washer (279) and bushing (282) for LH and RH assembly.

(5) Install stop assembly (726).

(a) Slide stop assembly (726) and lever assembly (672) on shaft (723).

(b) Secure stop assembly (726) to support assembly (984) as follows:

1) Apply a thin coat of grease, MIL-G-23827 to shank and threads of bolts (732, 735).



1 ON 141T6136-4,-8,-24,-30,-34 ASSEMBLIES, REVERSE POSITION OF BUSHING (276) AND WASHER (279)

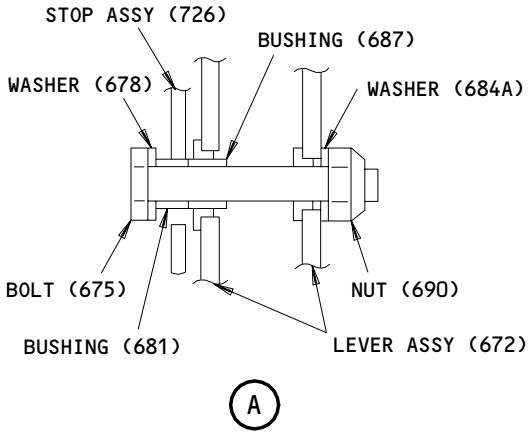
2 ADJUST QUANTITY OF SPACERS (708,711) AS REQUIRED TO PRODUCE 0.015-0.055 AXIAL FREE PLAY PRIOR TO CLAMP UP AT FOUR LOCATIONS NOTED

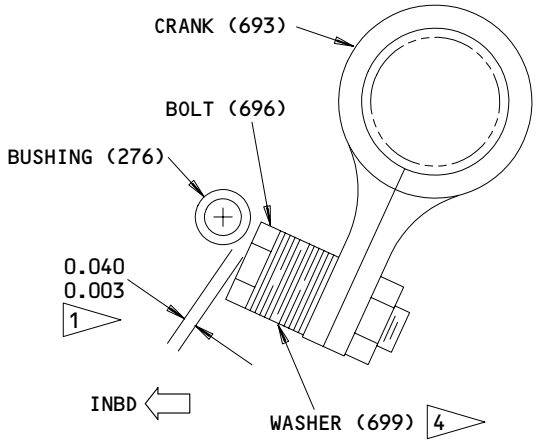
3 AFTER CLAMP UP, 0.01-0.03 AXIAL FLOAT IS REQUIRED

ITEM NUMBERS REFER TO IPL FIG. 1

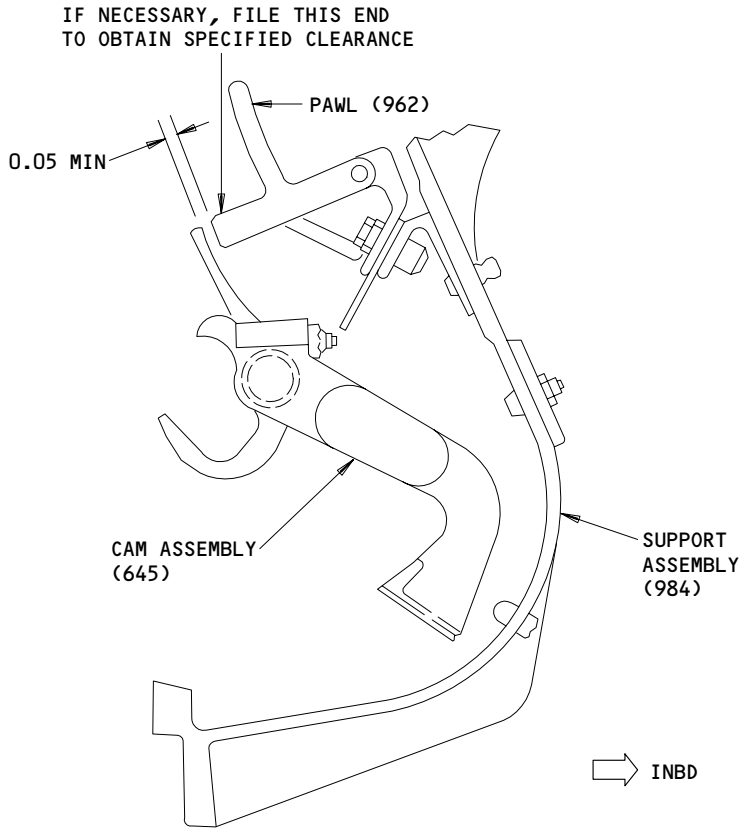
ALL DIMENSIONS ARE IN INCHES

Assembly Details - Stop Assembly
Figure 707 (Sheet 1)





A–A



4 ADD OR SUBTRACT WASHERS (699) TO OBTAIN DIMENSION SHOWN (WASHER THICKNESS 0.032 INCH) MAXIMUM 14 WASHERS

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

Assembly Details – Cam Assembly
Figure 707 (Sheet 2)

2) Install bolt (732), bushing (762), 4 washers (738) between bolthead and stop assembly (726), 6 washers (741) between stop assembly and support assembly (984), 1 washer (744) and nut (747).

3) Install bolt (735), bushing (765), 7 washers (738) between bolthead and stop assembly (726), 4 washers (741) between stop assembly and support assembly (984), 1 washer (744) and nut (747).

4) Check that distance between stop assembly (726) and lever assembly (672) is 0.09 to 0.13 inch and there is no preload of stop assembly against crank (693) or lever assembly (672). Adjust number of washers (738, 741) as required. Stack of washers (741) must have 0.010 minimum freeplay at both fastener locations.

(c) Prior to clamp up, check that free play at the following four locations is 0.015-0.055 inch. Adjust quantity of spacers (708, 711) as required.

1) between spacer (705) and crank (693)

2) between crank (693) and stop assembly (726)

3) between stop assembly (726) and lever assembly (672)

4) between lever assembly (672) and washer (669).

(d) After clamp up, check that free play between spacer (705) and crank (693) is 0.005-0.025 inch. Adjust quantity of spacers (708, 711) and washers (714) as required.

(e) Install washer (669), nut (666B). Tighten nut just enough to clamp lever assembly (672). After clamp up, check that lever assembly (672) axial float is 0.01-0.03 inch.

(6) Apply a thin coat of grease, MIL-G-23827 to shank and threads of bolt (258) and secure link assembly (288) to lever assembly (309) with parts (258 thru 267).

(7) With handle assembly (378) in armed position (handle assembly (378) moved outboard), check that there is 0.003 to 0.040 clearance between the bolthead (696) and the bushing (276). Adjust as follows to obtain dimension indicated.

(a) If the gap is too wide or the bolthead (696) is up too far, adjust as follows:

1) Disconnect link assembly (288) from lever assembly (309) by removing parts (258 thru 267).

2) Remove nut (666A), washer (669) and lever assembly (672) with attached link assembly (288).

3) Remove stop assembly (726) by removing parts (732, 735, 738, 741, 744, 747, 762, 765). Note numbers of washers (738, 741) at each fastener locations.

4) Remove crank (693) and rotate one tooth at a time in the required direction to obtain close approximation of required dimension.

5) Reinstall parts removed per step 1), 2) and 3).

(b) For fine adjustment, transfer washers (699) from under bolt (696) head to under nut (702) as required. Tighten nut (702) after the adjustment is completed.

NOTE: Removing more than 6 washers (699) from under bolt (696) head will cause bolt (696) to strike bushing (276) off-center.

(8) Tighten nut (666A) to 180-300 lb-in. Install cotter (665H) pin per 27-50-02.

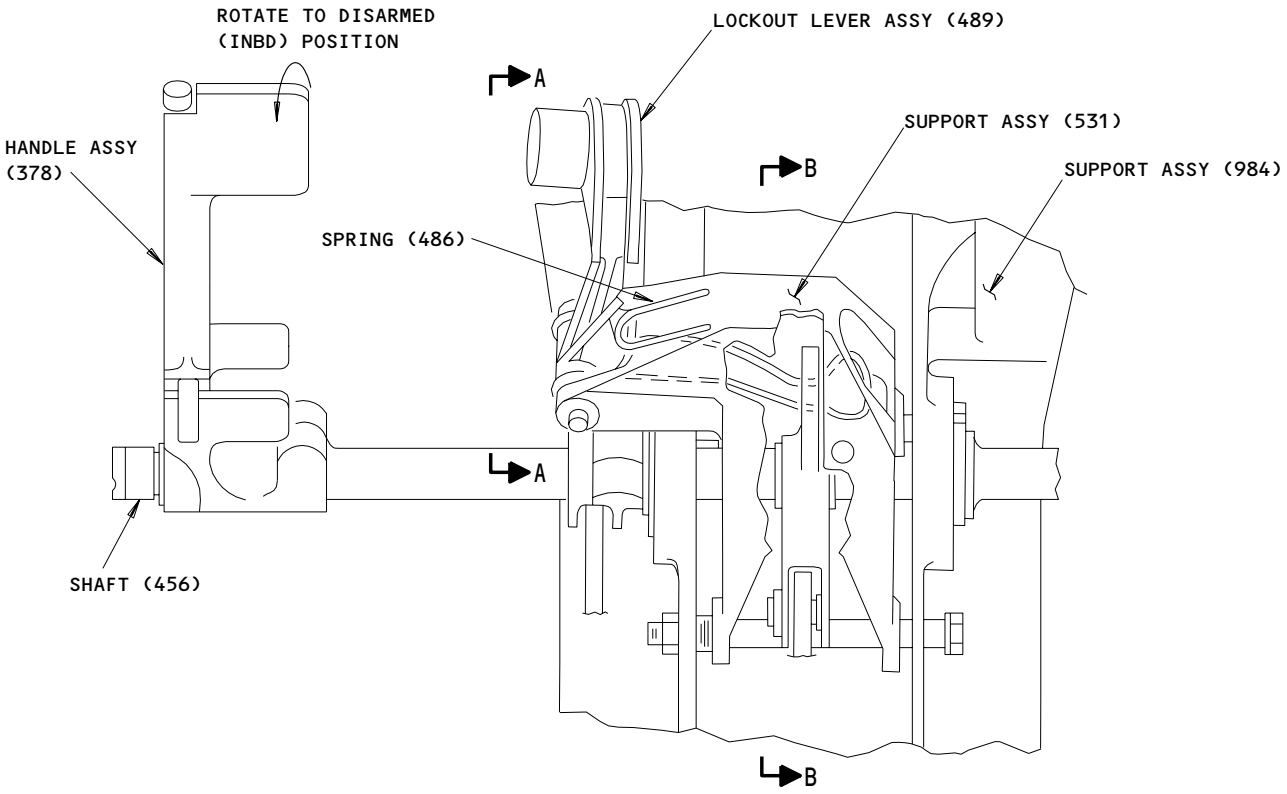
(9) On assemblies equipped with the arming system external lock (961, 962), check that clearance between pawl (962) and cam assembly (645) after rigging disconnect crank (693) is a minimum of 0.05 inch. If necessary, file end of pawl (962) to achieve clearance (Fig. 707).

F. Assemble lever assembly (489) (Fig. 708).

(1) Rotate handle assembly (378) inboard (disarmed position) and maintain this position throughout step (a) thru (i).

(a) Install lever assembly (489), spacers (483) and pin (477) on support assembly (531). Do not install cotter pin (471), washers (474, 480) or spring (486) at this time.

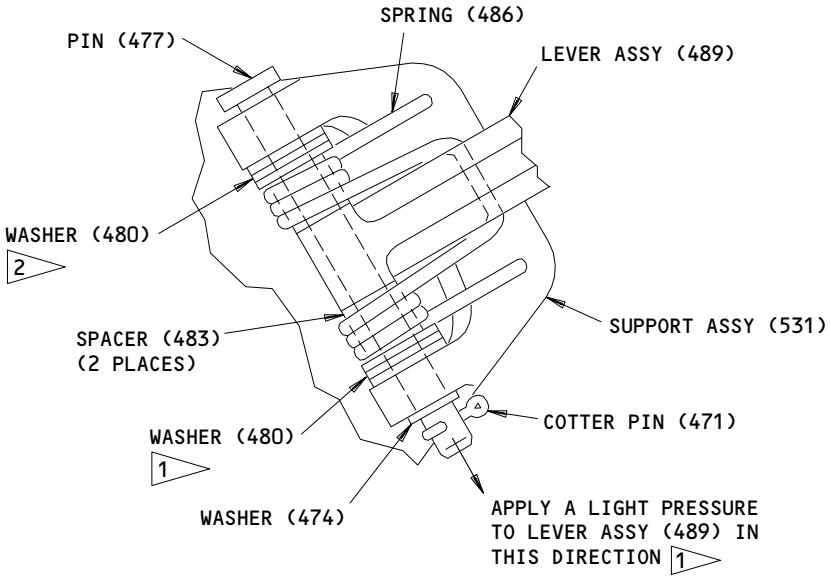
(b) Apply a light pressure at the pivot point of lever assembly (489) in the direction tending to close the gap between lever assembly (489) and sector assembly (438). Note the distance of the gap.



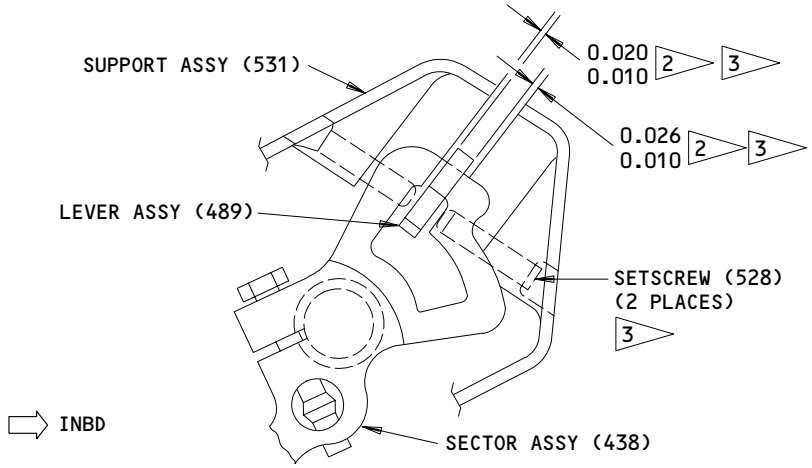
(VIEW LOOKING OUTBD)

ITEM NUMBERS REFER TO IPL FIG. 1

Assembly Details - Lockout Lever Assembly
Figure 708 (Sheet 1)



A–A



B–B

1 ADD WASHER (480) THIS SIDE TO OBTAIN SPECIFIED GAP BETWEEN SECTOR ASSY (438) AND LEVER ASSY (489). APPLY A LIGHT PRESSURE TO THE LEVER ASSY PIVOT POINT IN THE DIRECTION TENDING TO CLOSE THE GAP WHILE MEASURING

2 ADD WASHER (480) THIS SIDE TO FILL GAP BETWEEN SPACER (483) AND SUPPORT ASSY (531). CHECK THAT WASHERS DO NOT CAUSE BINDING IN LEVER ASSY (489) MOVEMENT (CHECK WITH SPRING (486) REMOVED)

3 ADJUST SETSCREWS (528) TO OBTAIN CLEARANCES SHOWN BETWEEN SETSCREWS AND LEVER ASSY (489)

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

Assembly Details – Lockout Lever Assembly
Figure 708 (Sheet 2)

(c) Add washers (480) between support assembly (531) and spacer (483) as required to obtain dimension between lever assembly (489) and sector assembly (438) indicated.

(d) Add washers (480) on the cotter pin side to fill gap between spacer (483) and support assembly (531). Do not use excessive amount of washers (480) or binding of lever movement will result.

(e) Note amount of washers (480) at each location and remove parts installed in step (a).

(f) Apply wipe-on primer to spacer (483) (F-19.45; Ref 20-41-01) then apply a thin coat of grease, BMS 3-24 to O.D. of spacers (483).

(g) Install lever assembly (489), spring (486), spacers (483), washers (480) noted per step (e) and install pin (477).

(h) Recheck dimensions and adjust as required then install washer (474) and cotter pin (471). Install cotter pin per 20-50-02.

(i) Install setscrews (528) and adjust to dimensions shown.

G. Push lever assembly (489) toward center line of support assembly (984) and rotate handle assembly (378) from one position to the other and back. Check that spring (342) is preloaded in both positions. Add washer (345) as required such that 7-11 lbs. force is required to move handle assembly from one position to the other. Also check that there is no free play at each extreme position (lever assembly (672) resting against stop assembly (726)).

H. Assemble shaft assembly (174) and inside handle assembly (141).

(1) Apply a light coat of grease, MIL-G-23827 to washers (177, 180), spring (183), and faying surfaces and splines of shaft assembly (174). Install washer (177) then install three washers (180) and one spring (183) with spring located between washers (180) on shaft assembly (174).

(2) Install shaft assembly (174) on support assembly (984) and rotate to approximate angular position as shown (Fig. 709).

(3) For handle assemblies without clutch mechanism (IPL Fig. 1) (Fig. 711) -

(a) Install screw (165), washer (168), and nut (171) on adapter (162). Do not tighten nut (171) up against adapter (162).

(b) Apply a light coat of grease, MIL-G-23827, to splines of handle assembly (141), spacer (159) and adapter (162).

(c) Install spacer (159), handle assembly (141) and adapter (162) on shaft assembly (174). Tighten screw (165).

NOTE: Final adjustment will be done upon installation on airplane.

(4) For handle assemblies with clutch mechanism (IPL Fig. 1, 6) (Fig. 711) -

(a) Install screw (173C, IPL Fig. 1), washer (173E, IPL Fig. 1), and nut (171, IPL Fig. 1) on adapter (173J, IPL Fig. 1). Do not tighten nut up against adapter.

(b) Assemble handle assembly (141, IPL Fig. 1; 1, IPL Fig. 6) by installing pawl assembly (55, IPL Fig. 6) with washers (75, IPL Fig. 6) into the housing (85, IPL Fig. 6) with pin (50, IPL Fig. 6). Lock the pawl assembly (55, IPL Fig. 6) into position with spring pin (45, IPL Fig. 6). Install spring pin with a light coat of MIL-G-23827 grease.

(c) Install spring cartridge (80, IPL Fig. 6) with grease, BMS 3-24, and adjust spring to obtain dimension shown in Fig. 712.

(d) Apply a light coat of grease, MIL-G-23827, to splines of handle assembly (141, IPL Fig. 1; 1, IPL Fig. 6), spacer (159, IPL Fig. 1), bearings (160, IPL Fig. 1), clutch assembly (157, IPL Fig. 1), and adapter assembly (173, IPL Fig. 1).

(e) Install clutch assembly (157, IPL Fig. 1), spacer (159, IPL Fig. 1), bearings (160, IPL Fig. 1), spacer (158M, IPL Fig. 1), handle assembly (141, IPL Fig. 1; 1, IPL Fig. 6), and adapter assembly (173, IPL Fig. 1) on shaft assembly (174, IPL Fig. 1). Tighten screw (173C, IPL Fig. 1).

NOTE: Final adjustment will be done upon installation on airplane.

(5) Check that there is a 0.003-0.020 inch clearance between waves of spring (183) and washers (180). Remove parts and adjust number of washers (180) as required.

(6) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolts (132, 150, if applicable). Install parts (132 thru 138) on handle assembly (141) and parts (150 thru 156) on spacer (159). Tighten nuts (138, 156) finger-tight.

NOTE: Final tighten of nuts (138, 156) will be done upon installation on airplane.

(7) Apply a light coat of grease, MIL-G-23827 to faying surfaces of lever assembly (99). Position lever assembly (99) and cap (129) on shaft assembly (174) and install parts (102 thru 114). Tighten nut (114) finger tight.

NOTE: Lever assembly (99) will be adjusted upon installation on airplane.

I. Install lug assemblies (30, 57) and cam assembly (28, if applicable).

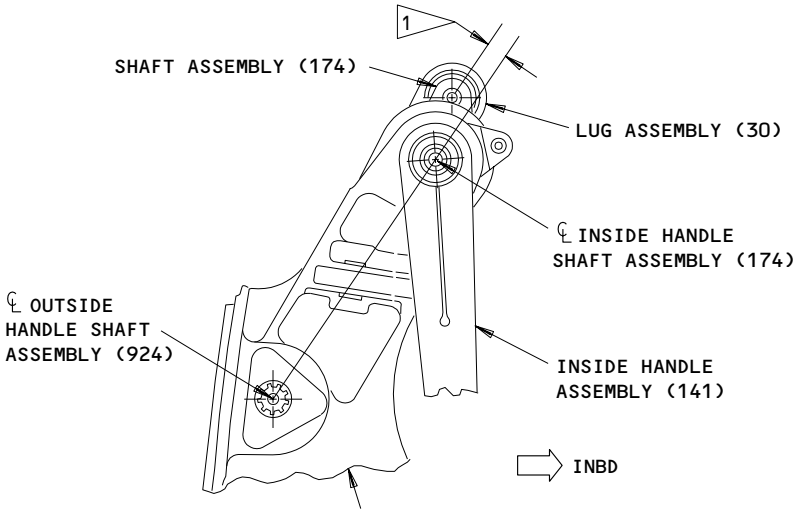
(1) With external handle assembly (945) closed and latched (cam assembly (645) flushed with support assembly (984)), rotate shaft assembly (174) to dimension specified and rotate shaft assembly (924) to the hard over position toward external handle assembly closed (Fig. 709).

(2) Install preassembled lug assemblies (30, 57) and cam assembly (28). Secure lug assembly (30) to shaft assembly with parts (6 thru 15) and secure lug assembly (57) and cam assembly (28) to shaft assembly with parts (18 thru 27). Tighten nuts (15, 27) finger-tight.

(3) Adjust serrated area between lug assemblies (30, 57) so that no preloading exists at each bolt (6, 18). Tighten bolts (42, 48).

(4) Remove parts (6 thru 27) and reinstall with sealant, BMS 5-95 (F-19.48).

(5) Check that there is no preload at each bolt (6, 18).



1 ROTATE SHAFT ASSEMBLY (174) TO THE FOLLOWING SPECIFIED DIMENSIONS FOR INSTALLATION AND ADJUSTMENT OF LUG ASSEMBLYS (30,57)

141T6136-3,-7,-23,-29,-33: 0.47-0.51
141T6136-4,-8,-24,-30,-34: 0.50-0.54

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

Assembly Details - Lug Assemblies
Figure 709

109883

J. Install button (525) and secure with screw (516B), washer (519) and washer (522). Use washers (522) as required to obtain distance indicated between tip of button (525) and handle assembly (141) (Fig. 710).

K. For handle assemblies with handle detent mechanism -

(1) Install cam bracket assembly (74G) on handle support assembly (984) by securing with bolts (74A), and washers (74C). Install the fasteners with BMS 5-95 sealant (F-19.48).

(2) Secure idler assembly (73M) to cam bracket assembly (74G) with pin (73G). Hold pin into position with cotter pins (73) and washers (73A).

(3) Attach springs (878) onto idler assembly (73M) posts and terminal (893) posts.

NOTE: Idler assembly bearing (25, IPL Fig. 7) should rest against the cam assembly (28).

L. For handle mechanism assemblies (1E, 3E) with handle support assembly (984C), coat all surfaces of screws (130A) and washers (131) with a light film of MIL-G-23827 grease and then install them into handle support assembly (984C).

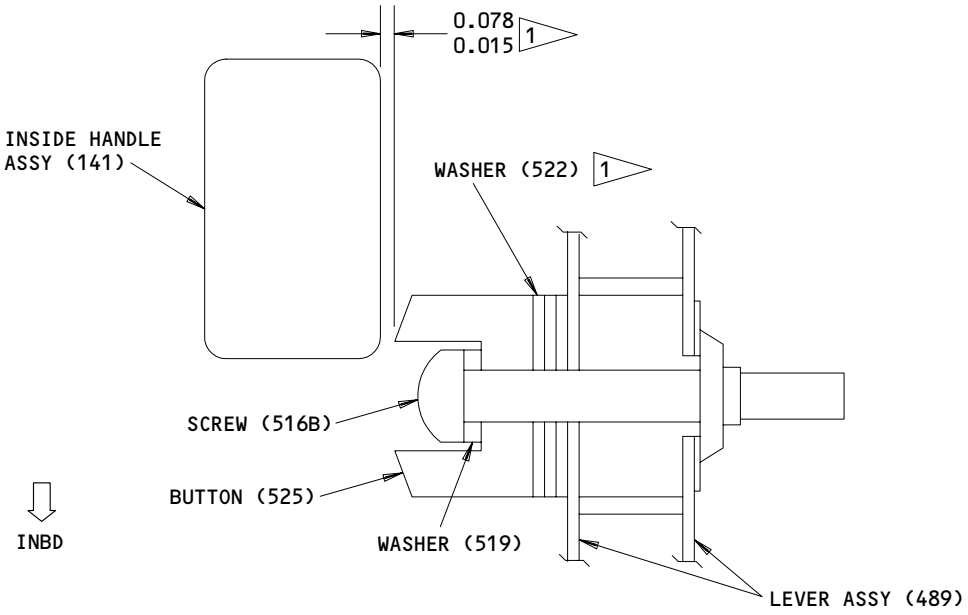
M. Check that the operation of handle mechanism assembly is without any binding or roughness.

N. Bend tab of washer (882) to secure nut (879).

O. Lockwire the following parts using double twist method (Ref 20-50-02) with MS20995NC32 lockwire.

(1) Nut (864) and washer (867).

(2) Bolts (840, 888).



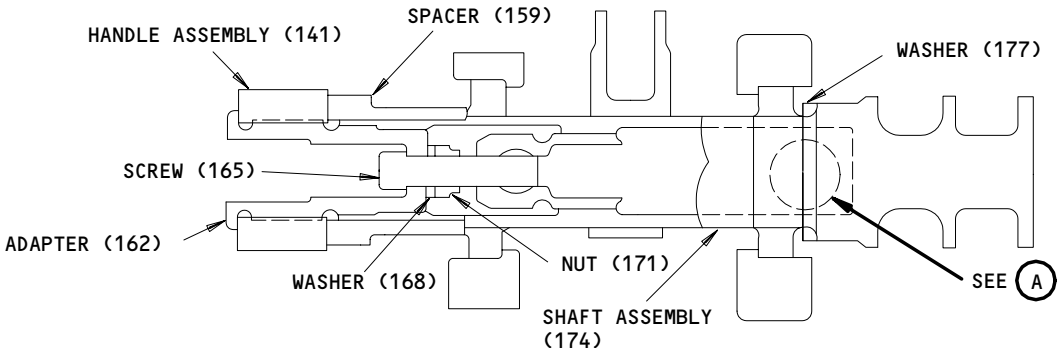
1 USE WASHER (522) AS REQUIRED TO OBTAIN DIM SHOWN (WASHER THICKNESS = 0.063)

ITEM NUMBERS REFER TO IPL FIG. 1

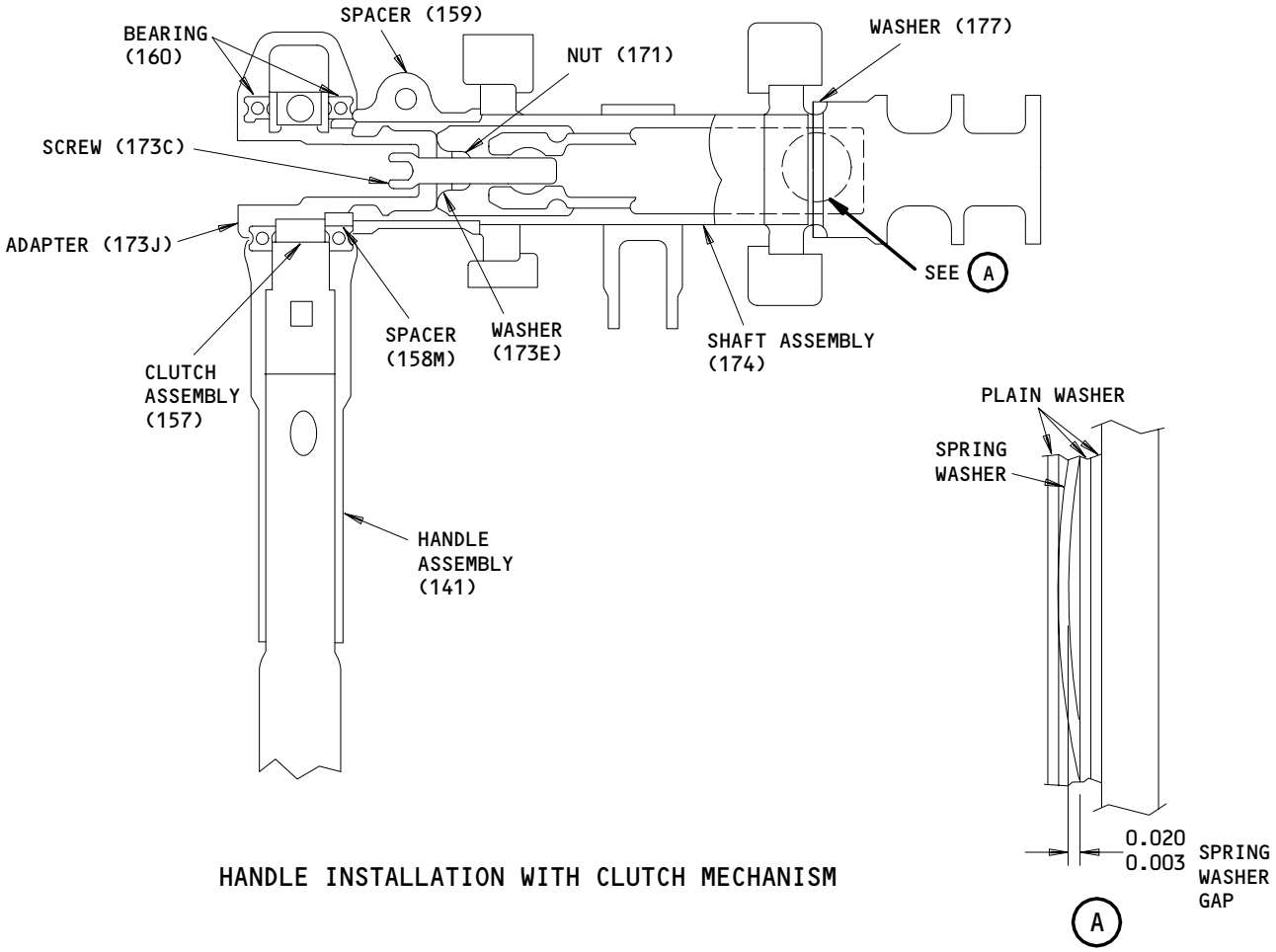
ALL DIMENSIONS ARE IN INCHES

Button (525) Installation
Figure 710

109884



HANDLE INSTALLATION WITHOUT CLUTCH MECHANISM

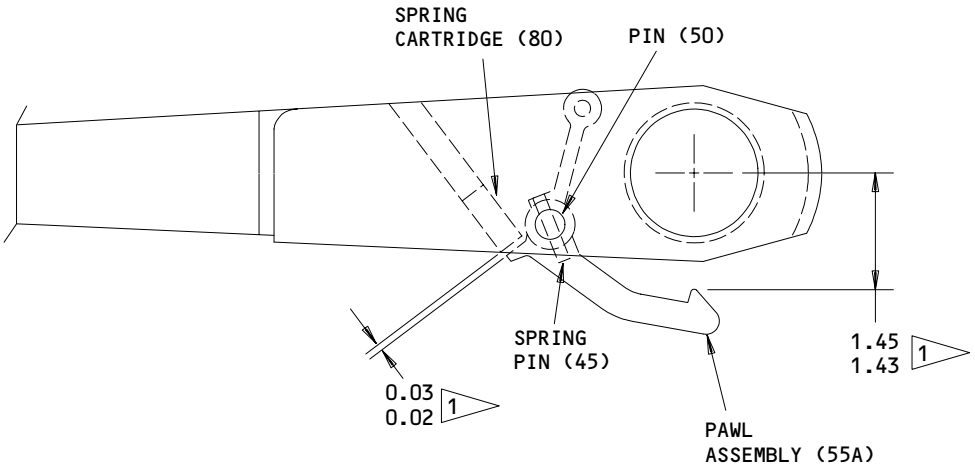


HANDLE INSTALLATION WITH CLUTCH MECHANISM

ITEM NUMBERS REFER TO IPL FIG. 1

ALL DIMENSIONS ARE IN INCHES

Assembly Details - Shaft Assembly and Inside Handle Assembly
Figure 711



1 ADJUST SPRING CARTRIDGE (80) TO DIMENSION SHOWN WHEN PAWL ASSEMBLY IS AT FULL OPEN POSITION

ITEM NUMBERS REFER TO IPL FIG. 6

ALL DIMENSIONS ARE IN INCHES

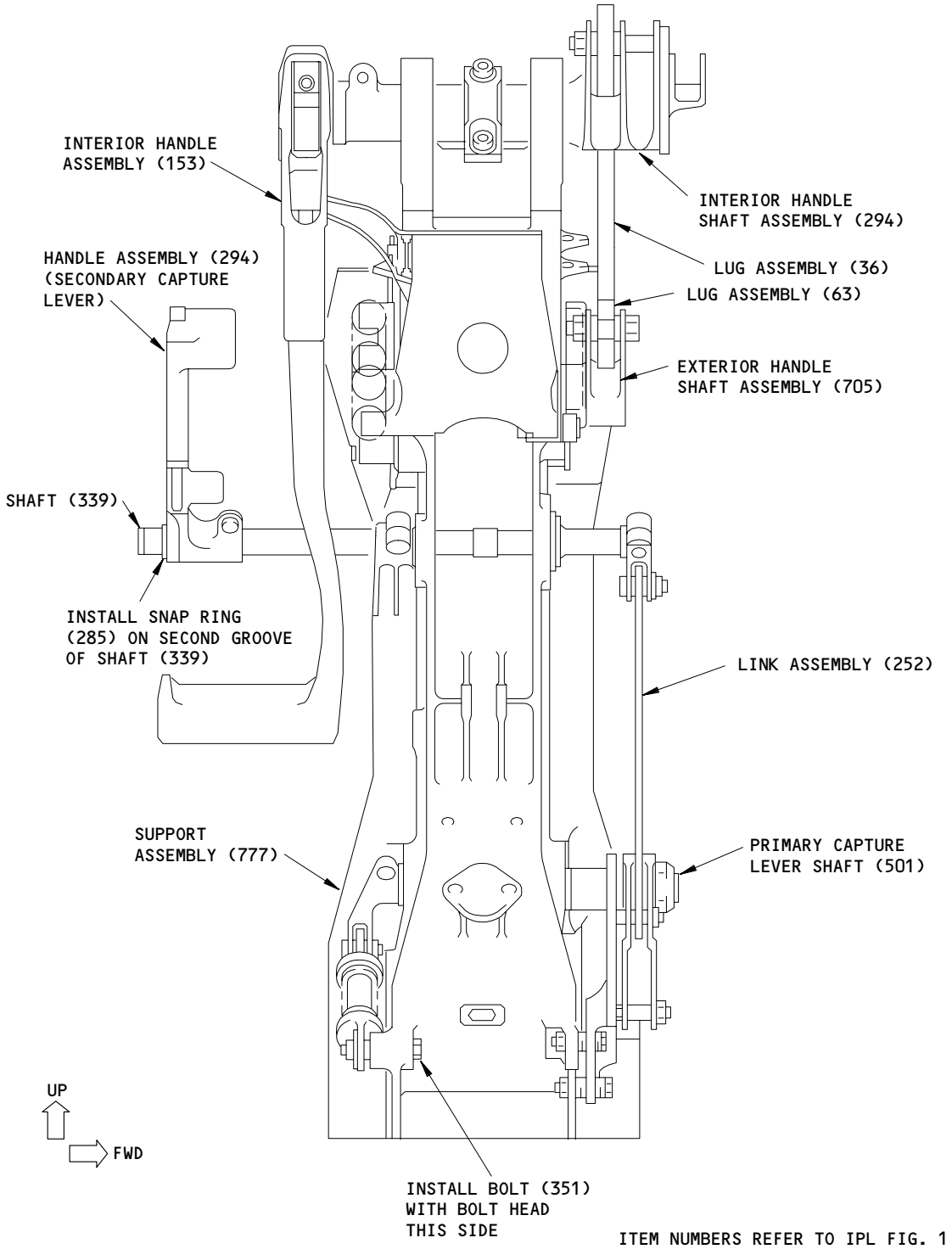
Inside Handle Assembly Adjustment
Figure 712

968102

3. Assembly Instructions for Handle Mechanisms (141T6136-55) Used on 767 Freighter Airplanes:

NOTE: Unless otherwise indicated, tighten fasteners per 20-50-01.

A. Preassemble the following components (IPL Fig. 9).



Freighter Handle Mechanism Assembly
Figure 713

F17615

(1) Assemble adapter assembly (102) to shaft assembly (213).

(a) Apply wet sealant to faying surfaces of adapter assembly (102) and shaft assembly (213).

(b) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolt (105) and washer (108).

(c) Attach adapter assembly (102) to shaft assembly with bolt (105) and washer (108).

(2) Assemble handle assembly (294), lever assembly (303) and adapter (324).

(a) Apply a light coat of grease, MIL-G-23827 to all surfaces of lever assembly (303), screw (288), spacer (291) and to serrated area of handle assembly (294) and adapter (324).

(b) Install lever assembly (303) and handle assembly (294) on adapter (324). Secure handle assembly (294) to lever assembly (303) with screw (288) and spacer (291). Tighten screw (288) finger-tight.

(3) Assembly lug assemblies (36, 63).

(a) Apply a light coat of grease, MIL-G-23827 to serrated surfaces of lug assemblies (36, 63).

(b) Assemble lug assemblies (36, 63) and secure with bolts (48, 54) and washers (51, 57, 60). Assemble fasteners only to retain lug assemblies.

(4) Assemble roller assembly (588), levers (606, 609) and rod end assembly (642).

WARNING: MAKE SURE LEVERS (606, 609) ARE INSTALLED AS SHOWN IN FIG. 717. BACKWARDS INSTALLATION OF LEVERS (606, 609) WILL PREVENT DOOR OPENING DURING EMERGENCY EXIT.

CAUTION: LEVERS (606, 609) CONSTITUTE A MATCH SET AND MUST BE USED TOGETHER TO ENSURE PROPER OPERATION AFTER ASSEMBLY.

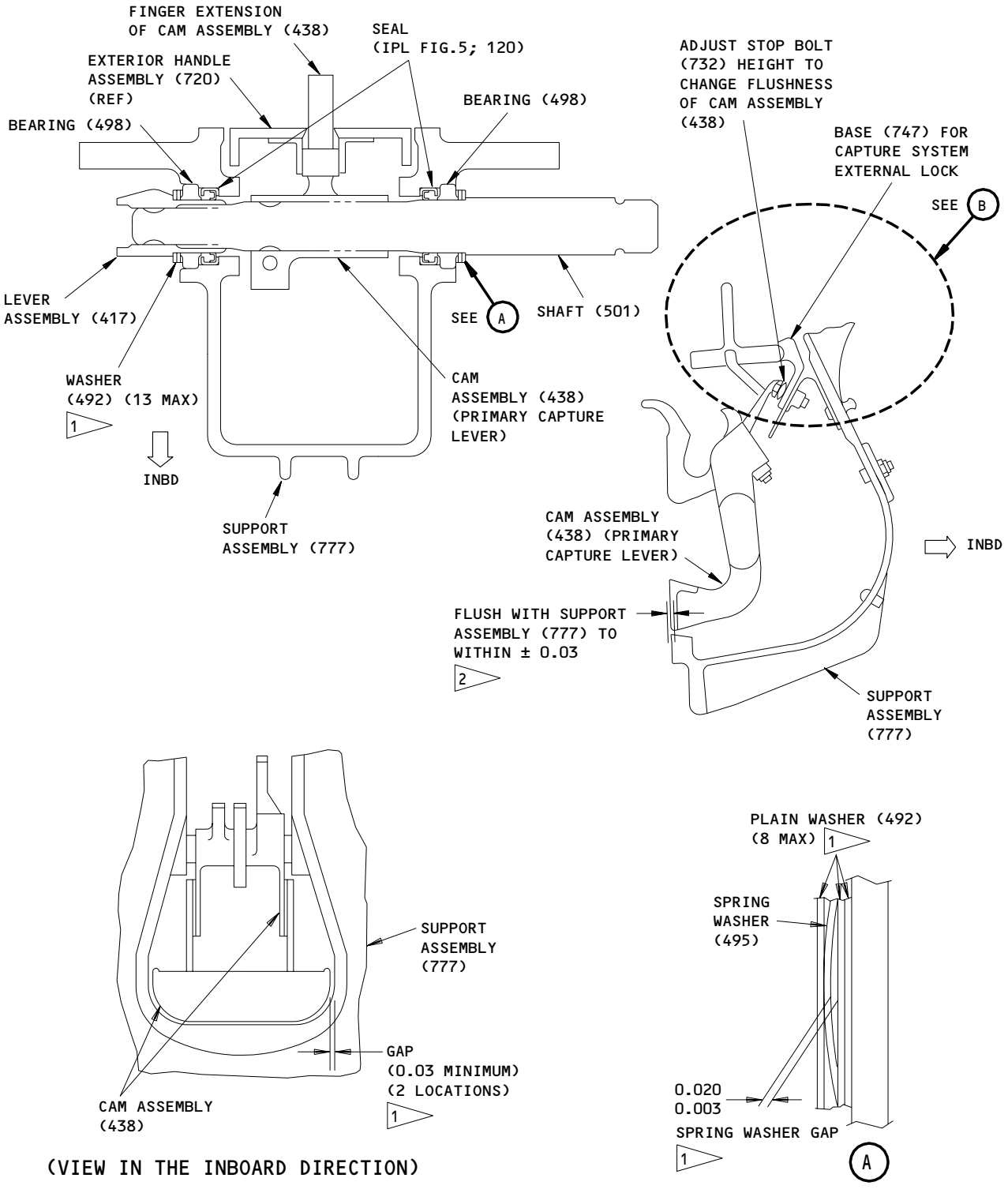
(a) Assemble levers (606, 609) and rod end assembly (642) and install bushing (585) inside roller assembly (588).

(b) Apply a light coat of grease, MIL-G-23827 to threads and shank of bolt (576). Position roller assembly (588) between levers (606, 609) and install bolt (576), washer (579) and nut (582). Observe bolt (576) head direction relative to the handle assembly (720) as shown in IPL Fig. 9.

(5) Assemble roller assembly (552) and bushing (549) on support (573) and secure with bolt (540), washer (543) and nut (546).

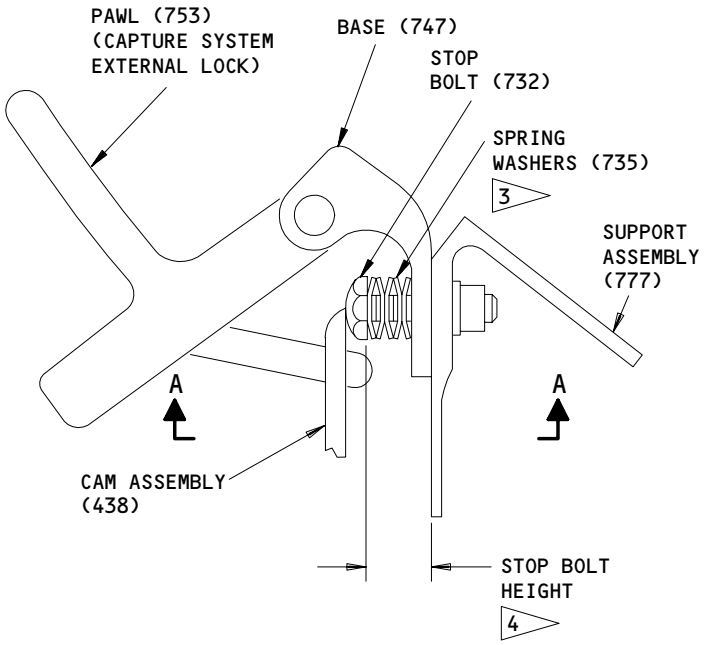
(6) Apply a light coat of grease, MIL-G-23827 to O.D. of bearings (225, 348, 498) and install in support assembly (777).

B. Assemble cam assembly (438) and shaft (501) (Fig. 714).



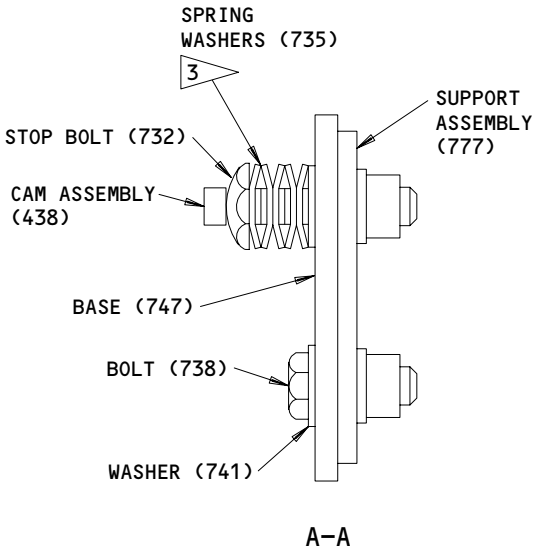
Assembly Details – Cam Assembly
Figure 714 (Sheet 1)

F17732



CAM ASSEMBLY (438) FLUSHNESS ADJUSTMENT

(B)



A–A

1. ADD OR SUBTRACT WASHERS (492) TO CENTER THE CAM ASSEMBLY (438) (PRIMARY CAPTURE LEVER) IN THE SUPPORT ASSEMBLY (777) CAVITY
2. ADJUST HEIGHT OF BOLT (732) AS REQUIRED TO OBTAIN FLUSHNESS INDICATED
3. NOTE POSITION OF WASHER ADJACENT TO BOLT HEAD, AND ALTERNATING POSITION OF ADDITIONAL WASHERS
4. FILL THIS DIMENSION WITH ANY COMBINATION OF WASHERS (735) TO PRODUCE CAPTURE LEVER FLUSHNESS AS SHOWN. MEASURE STOP BOLT (732) HEIGHT AFTER INSTALLING WASHERS (735) AND TIGHTEN BOLT TO 35–40 IN.–LBS TORQUE

ITEM NUMBERS REFER TO IPL FIG. 9

ALL DIMENSIONS ARE IN INCHES

Assembly Details – Cam Assembly
Figure 714 (Sheet 2)

F17946

(1) Apply a light coat of grease, MIL-G-23827 to the full length of shaft (501) and to the internal and splined areas of cam assembly (438), washers (492), spring (495) and to splines and bearing flat of lever assembly (417). Install 2 washers (492) and 1 spring (495) on shaft (501) up against the large splined end of shaft.

CAUTION: MAKE SURE SHAFT (501) IS PROPERLY LUBRICATED AND USE A SLOW ROTATING MOTION TO INSERT SHAFT (501) INTO SUPPORT ASSEMBLY (777). THIS WILL HELP PREVENT SEAL (120, IPL FIG. 5) FROM BEING INVERTED AND DAMAGED BY THE SHAFT DIAMETER. IF THE SHAFT HAS BEEN PROPERLY INSTALLED THROUGH THE SEAL, THEN LITTLE RESISTANCE WILL BE FELT WHEN ROTATING THE SHAFT. IF BINDING IS FELT DURING ROTATION OF THE SHAFT, CHECK AND MAKE SURE THE SEAL HAS NOT BEEN DAMAGED.

(2) Position cam assembly (438) in cavity of support assembly (777) and install shaft (501). Push lever (444) of cam assembly inward to gain access to the fastener hole in the cam assembly.

(3) Apply a thin film of grease, MIL-G-23827 to shank and threads of bolt (429). Install bolt (429) thru cam assembly (438) with washer (432) and nut (435).

(4) Check that the cam assembly (438) is centered in the support assembly and that a 0.03 minimum gap exits between each side of the cam assembly (438) and the support assembly (777) as shown in Fig. 714. Remove parts and add washers (492) as required, up to 8 washers to center cam assembly.

CAUTION: MAKE SURE THAT LEVER ASSEMBLY (417) DOES NOT DAMAGE OR INVERT SEAL (120, IPL FIG. 5) DURING INSTALLATION.

NOTE: An optional method of assembly may be used to prevent seal inversion or damage. This optional method is as follows: build up the lever assembly per step 3.B.(5) and install the lever assembly prior to installation of the cam assembly (438). Use a custom tool such as a socket or short length of shaft which is equal to or slightly larger than the lever assembly diameter. Apply grease to the tool and place the tool in the interior of the support assembly (777) then insert the tool into the seal. Apply grease to the lever assembly and, working from the outside of the support assembly, match the lever assembly up against the tool. Apply pressure to the lever assembly and slowly rotate as it is moved into the seal so that the tool is displaced. Make a check of the seal to verify that the seal has not been inverted or damaged. The cam assembly (438) and shaft (501) are then installed using steps 3.B.(1) thru (4). Adjust the number of washers (492) as required per step B(7), then move on to step 3.B.(8).

(5) Install two washers (492) on bearing flat of lever assembly (417).

(6) Apply grease to the outside diameter of the lever assembly (417) that contacts seal (120, IPL Fig. 5) and the splined surfaces. Install the lever assembly onto shaft (501). Move the lever assembly in a slow rotating motion as it is moved past the seal.

(7) Adjust the number of washers (492) on each side of the support assembly (777) as required so that the bolt (408) can easily pass thru the bolthole in the lever assembly and the bolt cutout in the shaft and so the spring (495) is slightly compressed (0.003-0.020 inch gap between spring and adjacent part. Refer to Detail A). Install bolt (408), washer (411) and nut (414).

(8) Verify that the seals (120, IPL Fig. 5) have not been inverted or damaged during the assembly procedure. Move the cam assembly (438) back and forth through its inboard-outboard motion cycle and repeat five to eight times. The cam assembly should move freely without binding since the shaft (501) is not connected to any linkages at the time of this check. If binding of the cam assembly is observed, do a check of the seal and/or bearings (498). Replace seal or bearings if required.

(9) Adjust cam assembly (438) external flushness as follows:

(a) Coat pin (744) and adjacent surfaces with MIL-G-23827 grease.

(b) Install base (747) and attached items on support assembly (777) using bolts (732, 738). Install bolt (738) with washer (741).

(c) Adjust bolt (732) height so that cam assembly (438) is flush to contour of support assembly to within 0.03 inch over surface of cam assembly in the closed position.

(d) Measure stop bolt (732) height; remove bolt and install required number of spring washers (735) per Fig. 714.

(10) Apply a light coat of grease, MIL-G-23827 to bearing ID and faying surfaces of guide assemblies (363, 393). Assemble springs (375, 378) and guide assemblies (363, 393).

(11) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolts (351, 381). Attach guide assembly (393) to lever assembly (417) with bolt (381), washer (387), bushing (384) and nut (390). Attach guide assembly (363) to support assembly (777) with bolt (351), washers (354, 357) and nut (360). Install bolt (351) with bolthead toward centerline of support assembly (777).

(12) Verify that the cam assembly (438) and the overcenter spring linkage (guide assemblies 363, 393, and springs 375, 378) have been assembled correctly and function without binding. Move the cam assembly through its inboard-outboard motion cycle and repeat several times. As the cam assembly is pushed inboard through the overcenter position, the cam assembly should snap quickly to the full inboard position. Also, as the cam assembly is pulled outboard through the overcenter position, the cam assembly should snap quickly to the full outboard position. The cam assembly should move without binding or hesitation.

C. Assemble shaft assembly (705) and external handle assembly (720). (Refer to IPL Fig. 1 and Fig. 715).

(1) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolts (561) and install bolts in handle assembly (720).

(2) Install plug (717) in shaft assembly (705) with sealant and fillet seal plug to 0.18 inch minimum with sealant.

(3) Apply a light coat of grease, MIL-G-23827 to seal (693) and install in seal ring (696).

(4) Apply a light coat of grease, MIL-G-23827 to washers (660, 684, 690, 699), faying surfaces of shaft assembly (705), spacer (687), seal ring (696) and bearings (681, 702) and I.D. of bearings in handle assembly (720).

(5) Install bearing (702) with 5 washers (699) on each side on shaft assembly (705). Install seal ring (696), spacer (687) on support assembly (777). Use care not to damage seal in support assembly (777) while installing seal ring (696).

(6) Position external handle assembly (720) and washer (690) in the cavity of support assembly (777) and install shaft assembly (705) with attached parts. Install 7 washers (684), bearing (681) on shaft assembly (705). Install washers (657, 660) and nut (654). Tighten nut (654) finger tight to remove free play from bearing (681). Install retainer (675) and terminal (672) and secure with bolts (663, 666) and washers (669). Tighten bolts (663, 666) finger tight to retain the bearing (681) in place.

(7) Install bolt (723), nut (729), washer (726). Close external handle assembly (720) and note the height of the handle assembly. Adjust height of bolt (723) as required so that external handle assembly (720) is flush with the contour of support assembly (777).

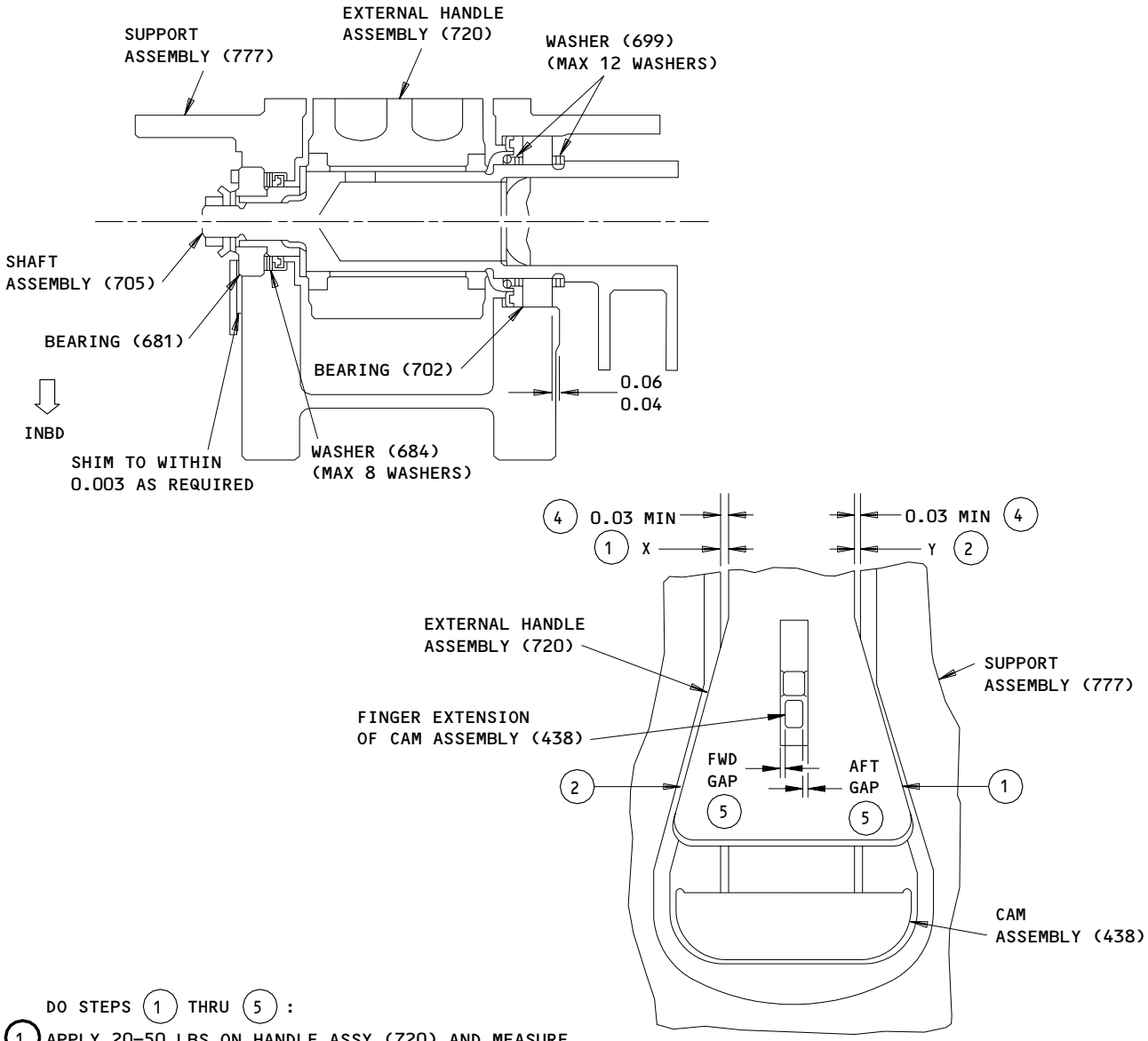
(8) Apply 20-50 pounds force to the external handle assembly (720) to one side and measure gap between the handle assembly and the support assembly (777). Repeat the procedure with the same force ± 5 pounds on the other side. Determine the center location of the handle assembly (720). Adjust the position of the handle assembly by adding or deleting washers (684) behind bearing (681) as required up to maximum a of 8 washers in place.

(9) Close handle assembly (720) and check that there is 0.030 inch minimum gap all around handle assembly. If required, modify the centering of the handle assembly by adding and deleting and/or relocate washers (699) between bearing (702) up to total of 12 washers (699). Adjust numbers of washer (699) between shaft assembly (705) and bearing (702) as required so that outer race of bearing is 0.04-0.06 inch below surface of support assembly (777). (Fig. 715).

(10) Do a check of the gap between the finger extension of the cam assembly (438) and the handle assembly (720) to make sure the forward gap is the same as the aft gap (±0.02 inch) (Fig. 715). Measure the forward gap while pushing the cam assembly (438) forward. Measure the aft gap while pushing the cam assembly (438) aft. Refer to paragraph 3.B. if necessary for cam assembly (438) adjustments.

(11) Wrap lockwire around notch in pin (621) and insert pin into bushing hole in handle assembly (720). Rotate shaft assembly (705) as required to engage pin in slot in shaft assembly.

(12) Adjust bushing (627) to eliminate freeplay in shaft assembly (705) (Fig. 716).



(VIEW LOOKING INBOARD)

DO STEPS (1) THRU (5) :

(1) APPLY 20-50 LBS ON HANDLE ASSY (720) AND MEASURE GAP "X"

(2) APPLY THE SAME FORCE AS (1) +5 LBS AND MEASURE GAP "Y"

(3) GAP ADJUSTMENT = $\frac{X-Y}{2}$

ADJUST NUMBERS OF WASHER (684) AS REQUIRED. WASHER THICKNESS 0.016 INCH

(4) AFTER CENTERED POSITION IS OBTAINED, CHECK FOR 0.030 MINIMUM GAP ALL AROUND HANDLE ASSEMBLY. RELOCATE WASHERS (699) AS REQUIRED TO OBTAIN MINIMUM GAP

(5) FORWARD GAP SAME AS AFT GAP ± 0.02. MEASURE FORWARD GAP WHILE PUSHING CAM ASSEMBLY (438) FORWARD. MEASURE AFT GAP WHILE PUSHING CAM ASSEMBLY (438) AFT.

ITEM NUMBERS REFER TO IPL FIG. 9

ALL DIMENSIONS ARE IN INCHES

Assemble Shaft Assembly and External Handle Assembly
Figure 715

(a) Rotate shaft assembly (705) until slot in shaft assembly contacts pin (621) and maintain this position as shown in Fig. 716.

(b) Install bushing (627) and retainer (624) in handle assembly (720) and install shaft (630) thru bushing (627) into hole in shaft assembly (705) (Fig. 716).

(c) Rotate bushing (627) and/or retainer (624) until free play in shaft assembly (705) is minimized and shaft (630) can be removed and inserted with no interference or binding (Fig. 716).

(d) Check that the rotational free play at the grip end of the handle assembly (720) is 0.35 inch maximum.

(e) Mark position of bushing (627), retainer (624) and shaft (630).

(f) Remove shaft (630), bushing (627), retainer (624) and pin (621) from handle assembly (720). Remove lockwire from pin.

(13) Apply a light coat of grease, MIL-G-23827 to faying surfaces of pin (621) and shaft (630) and a light coat of grease, BMS 3-24 to all surfaces of bushing (627) and retainer (624).

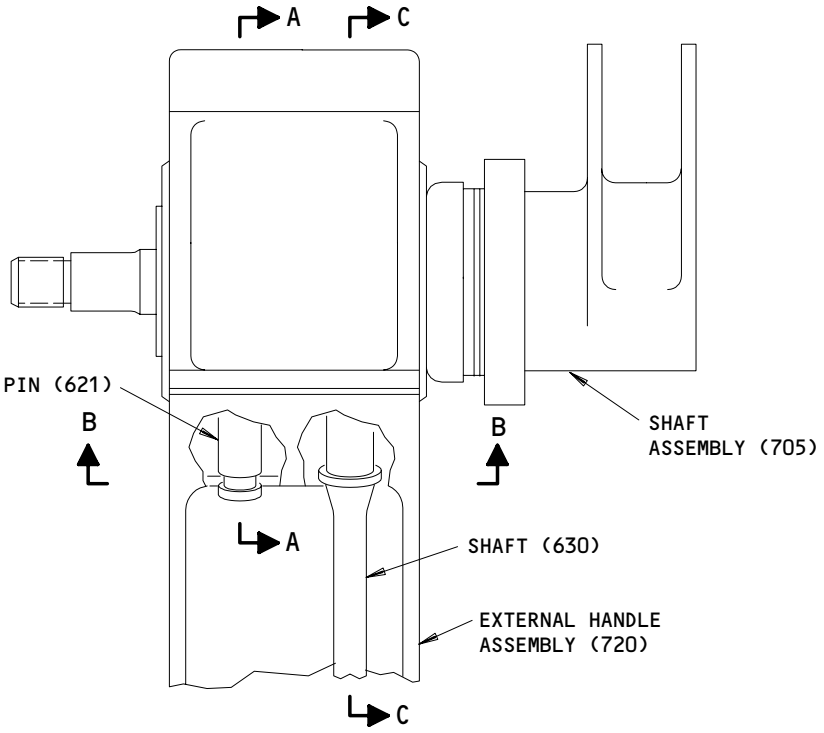
(14) Assemble shaft (630), washer (639) and nut (636) to rod end assembly (642) with preassembled parts.

(15) Install retainer (624) on bushing (627) and install parts in handle assembly as marked. Install spring (633), shaft (630) and support (618) and secure support with bolts (612) and washers (615). Install spring (633) so that smaller diameter is toward centerline of shaft assembly (705). Install shaft (630) as marked. Make sure to orient keyway on shaft (630) inboard or outboard for shaft alignment.

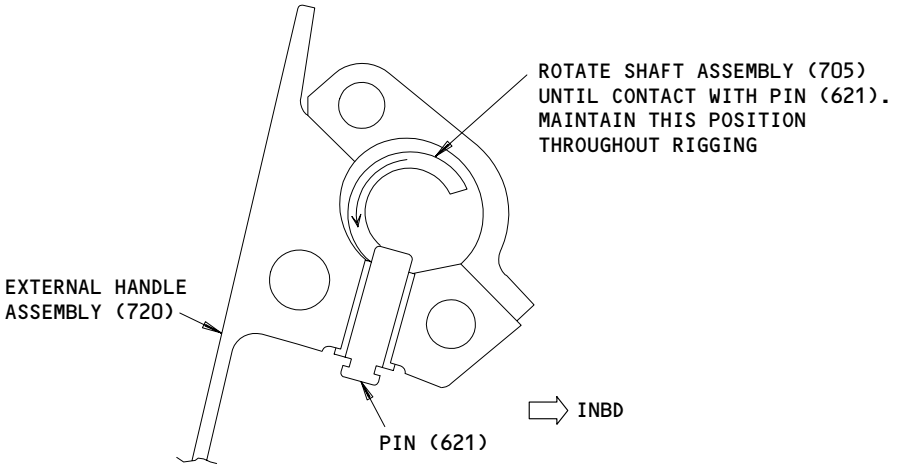
(16) Apply a light coat of grease, MIL-G-23827 to bushings (603) and the threads and shank of bolt (597) and to bushings (603). Secure preassembled levers (606, 609) to handle assembly (720) with bolt (597), bushings (603) and nut (600). Install bolt (597) with bolt head towards outside of handle assembly.

(17) Close handle assembly (720) and check position of handle assembly relative to support assembly (777). Adjust the length of shaft (630) in full turns as required so that roller assembly (588) just contacts cam assembly (438) and shaft (630) disconnects from shaft assembly (705) when the handle assembly (720) is closed. Turn shaft (630) an additional 2 full turns into rod end assembly (642). Check that there is no stored torque in spring (633) and tighten nut (636). (Refer to Fig. 717).

NOTE: Adjust shaft (630) in full turns so the position of shaft established per step (12) is not disturbed.



VIEW LOOKING OUTBOARD
(SUPPORT ASSEMBLY (777) OMITTED FOR CLARITY)

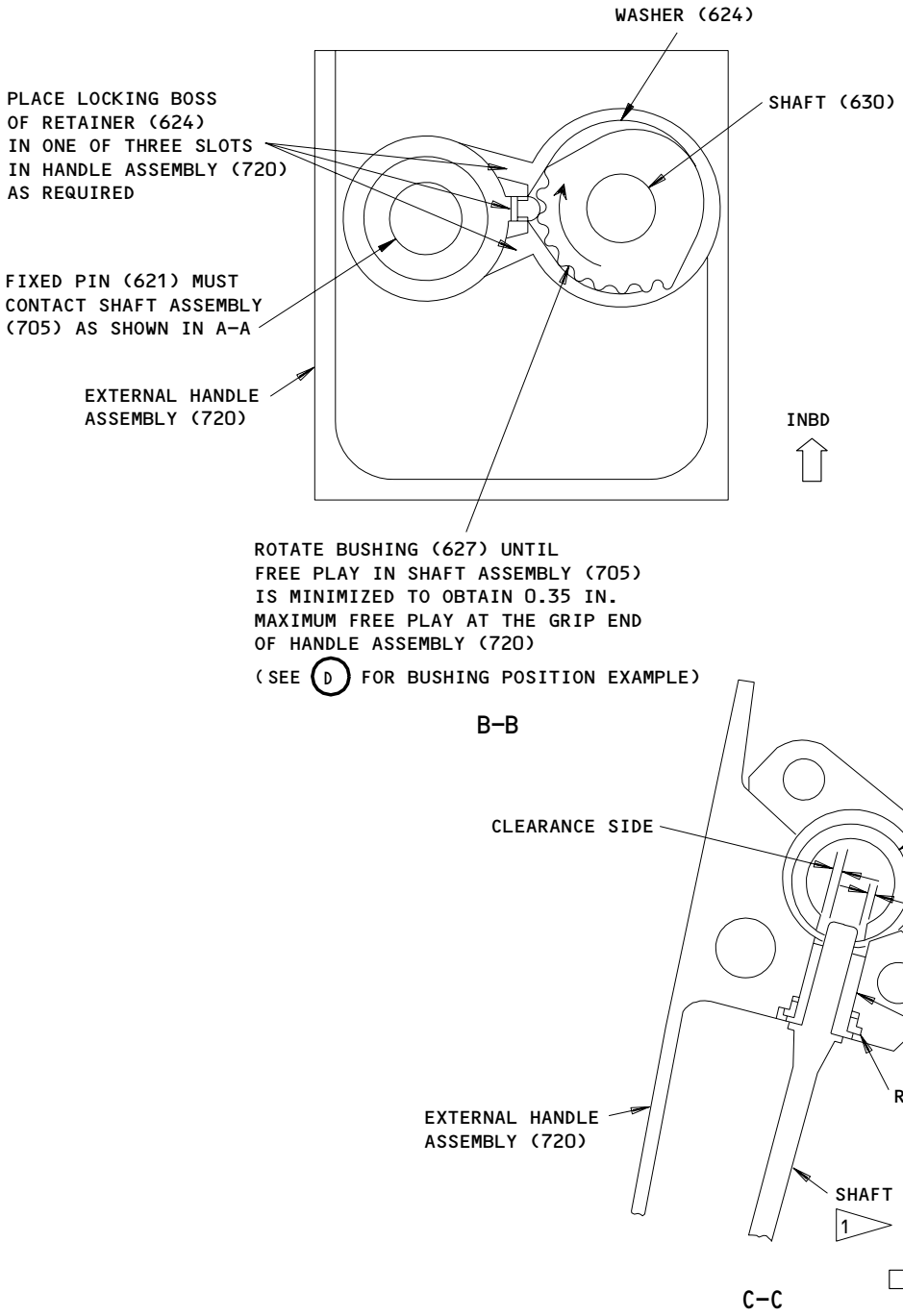


A-A

ITEM NUMBERS REFER TO IPL FIG. 9

ALL DIMENSIONS ARE IN INCHES

External Handle Assembly Rigging Details
Figure 716 (Sheet 1)



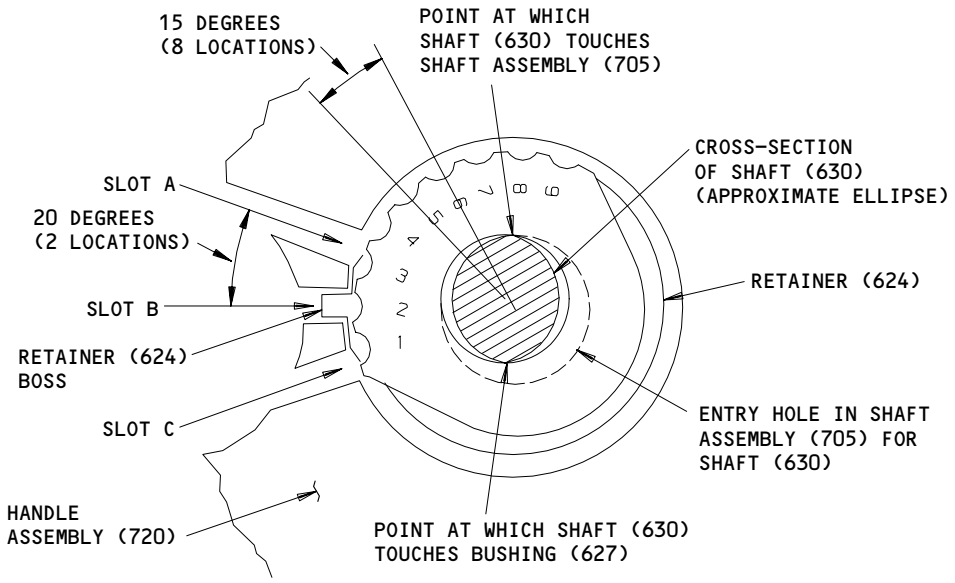
1 SHAFT (630) MUST BE FREE TO MOVE THRU BUSHING (627) AND SHAFT ASSEMBLY (705) WITHOUT INTERFERENCE. MAXIMUM ROTATIONAL FREEPLAY AT GRIP END OF EXTERNAL HANDLE ASSEMBLY (720) IS 0.35 INCHES. ADJUST BUSHING (627) AS NEEDED

ITEM NUMBERS REFER TO IPL FIG. 9

ALL DIMENSIONS ARE IN INCHES

External Handle Assembly Rigging Details
Figure 716 (Sheet 2)

F24587



(D)

EXAMPLE OF ADJUSTMENT OF BUSHING POSITION

NOTE: THE SLOTS IN THE HANDLE ASSY (720) ARE 20 DEGREES APART. THE NOTCHES IN THE BUSHING (627) ARE 15 DEGREES APART.

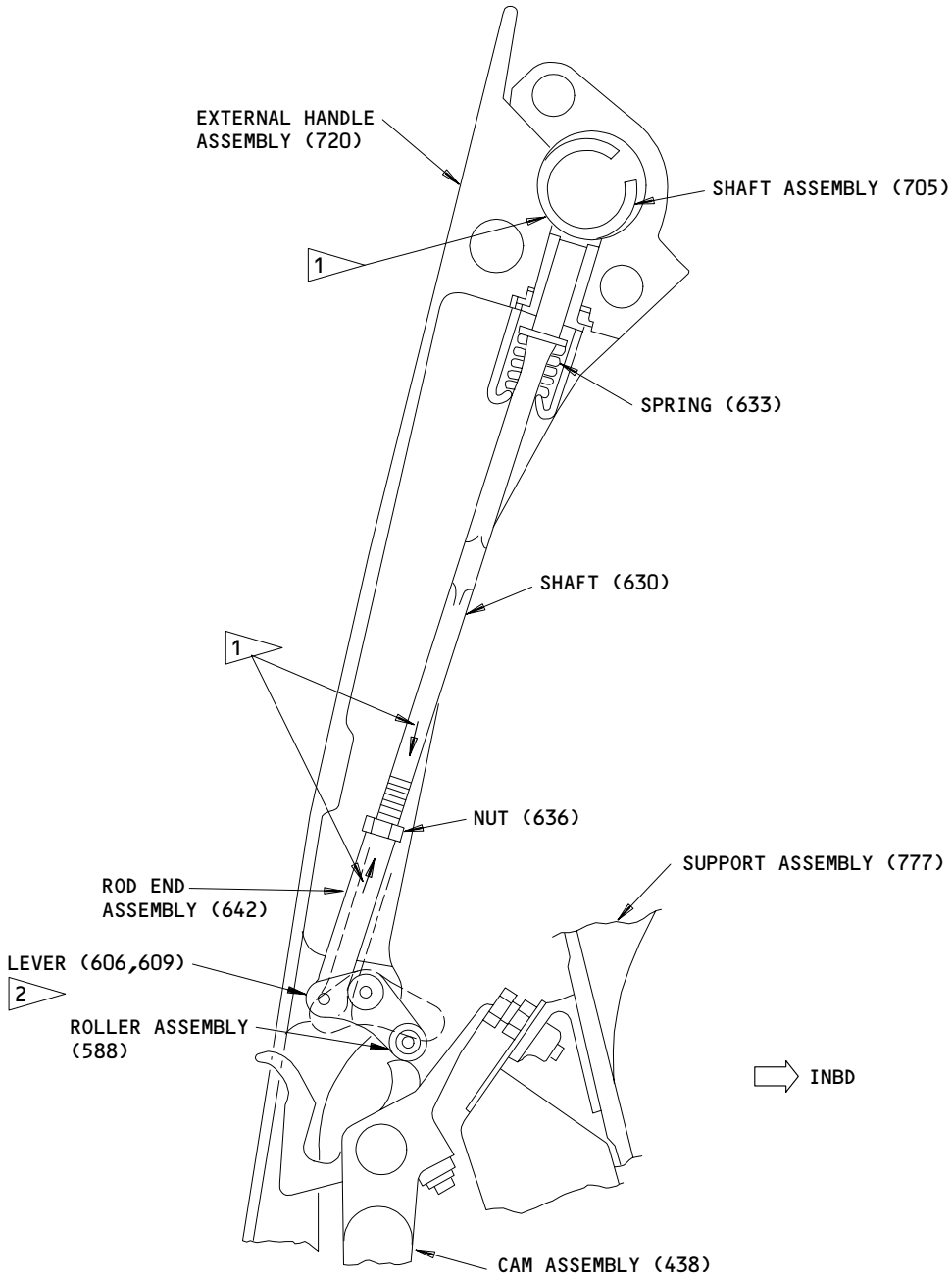
USUALLY, A 5 DEGREE OR 10 DEGREE ADJUSTMENT IS SUFFICIENT TO LET THE SHAFT (630) MOVE FREELY.

IN THIS EXAMPLE, THE RETAINER (624) AND BUSHING (627) ARE LOCATED AS SHOWN; THE RETAINER (624) BOSS IS AT SLOT B AND IS ENGAGED WITH BUSHING (627) SLOT 2. EACH CHANGE IS MEASURED FROM THIS LOCATION.

IF THE SHAFT (630) DOES NOT MOVE FREELY THROUGH THE BUSHING (627) AND SHAFT ASSEMBLY (705), PROCEED AS FOLLOWS:

1) CHANGE THE POSITIONS BY 5 DEGREES. MOVE THE RETAINER (624) BOSS TO SLOT C. MOVE THE BUSHING (627) TO ENGAGE NOTCH 1 WITH THE RETAINER (624) BOSS. SEE IF THE SHAFT (630) MOVES FREELY THROUGH THE BUSHING (627).
2) IF THE SHAFT (630) STILL DOES NOT MOVE FREELY, CHANGE THE POSITIONS BY 10 DEGREES. MOVE THE RETAINER (624) BOSS TO SLOT A. MOVE THE BUSHING (627) TO ENGAGE NOTCH 4 WITH THE RETAINER (624) BOSS. SEE IF THE SHAFT (630) MOVES FREELY.
3) IF THE SHAFT (630) STILL DOES NOT MOVE FREELY, CHANGE THE POSITIONS BY 15 DEGREES. MOVE THE RETAINER (624) BOSS TO SLOT B. MOVE THE BUSHING (627) TO ENGAGE NOTCH 3 WITH THE RETAINER (624) BOSS. SEE IF THE SHAFT (630) MOVES FREELY.
4) IF THE SHAFT (630) STILL DOES NOT MOVE FREELY, CHANGE THE POSITIONS BY 20 DEGREES. MOVE THE RETAINER (624) BOSS TO SLOT C. MOVE THE BUSHING (627) TO ENGAGE NOTCH 2 WITH THE RETAINER (624) BOSS. SEE IF THE SHAFT (630) MOVES FREELY.

External Handle Assembly Rigging Details
Figure 716 (Sheet 3)



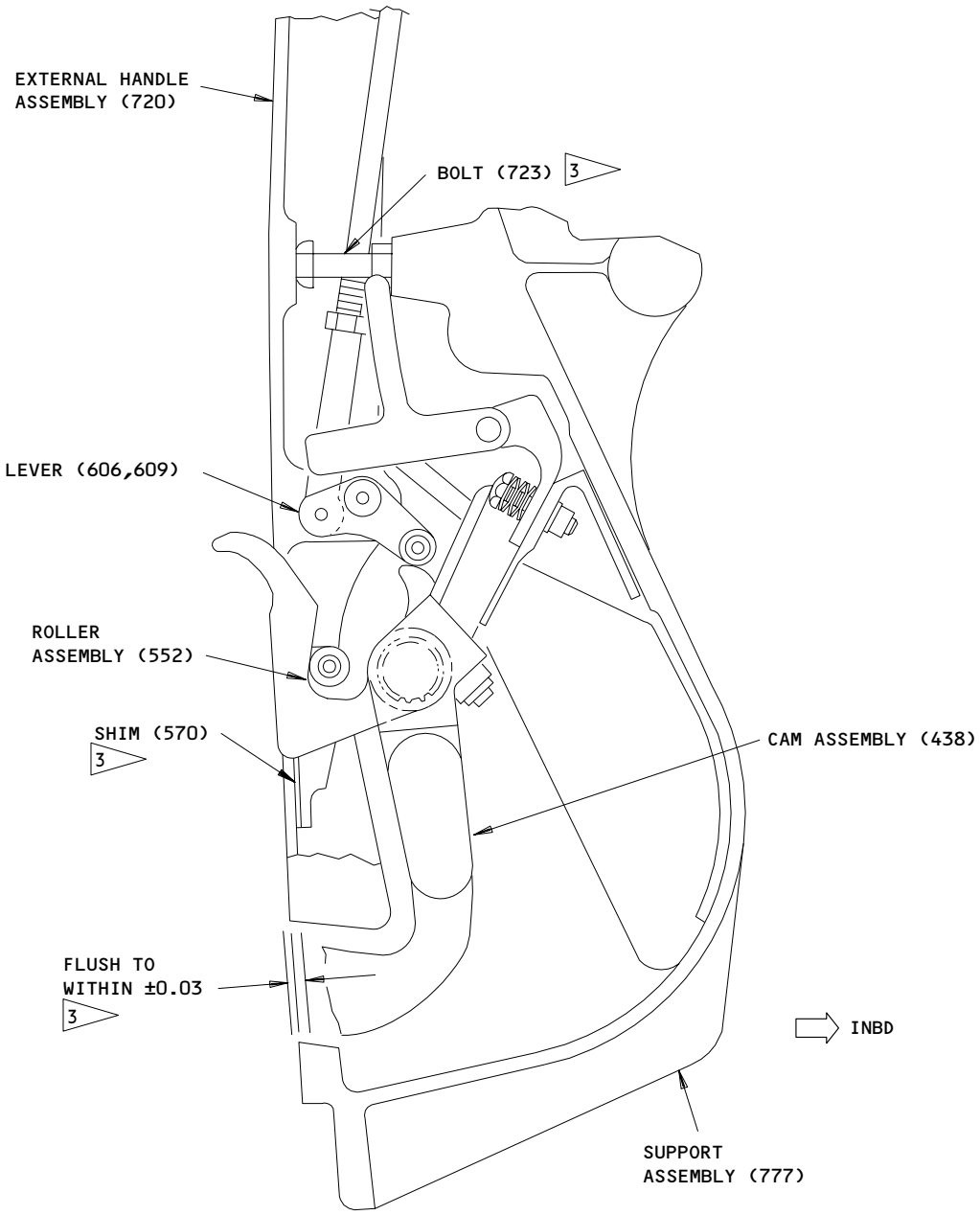
1 WITH SHAFT (630) DISENGAGED FROM SHAFT ASSEMBLY (705), ROTATE SHAFT IN FULL TURNS INTO ROD END ASSEMBLY (642) UNTIL ROLLER ASSEMBLY (588) CONTACTS CAM ASSEMBLY (438). CHECK THAT THERE IS NO STORED TORQUE IN SPRING (633). TURN SHAFT (630) 2 ADDITIONAL TURNS INTO ROD END ASSEMBLY (642) AND TIGHTEN NUT (636)

2 INSTALL LEVERS (606,609) AS SHOWN

ITEM NUMBERS REFER TO IPL FIG. 1

Final Adjustment of External Handle Assembly
Figure 717 (Sheet 1)

F18022



3 ADJUST BOLT (723) AND SHIM (570) SO THAT ROLLER ASSEMBLY (552) CONTACTS CAM ASSEMBLY (438) WHEN THE HANDLE ASSEMBLY (720) IS CLOSED AND HANDLE ASSEMBLY IS FLUSHED WITH SUPPORT ASSEMBLY (777) TO WITHIN ±0.03

ITEM NUMBERS REFER TO IPL FIG. 9

ALL DIMENSIONS ARE IN INCHES

Final Adjustment of External Handle Assembly
Figure 717 (Sheet 2)

(18) Install shim (570), support (573), washers (564), nuts (567) on handle assembly (720). Adjust height of stop bolt (723) then adjust thickness of shim (570) so that roller assembly (552) just contacts cam assembly (438) when the handle assembly (720) is closed. Tighten nut (729) to secure bolt (723). Also check that handle assembly is flush to within 0.03 inch with support assembly (777) (Fig. 717). Remove parts (564 thru 573).

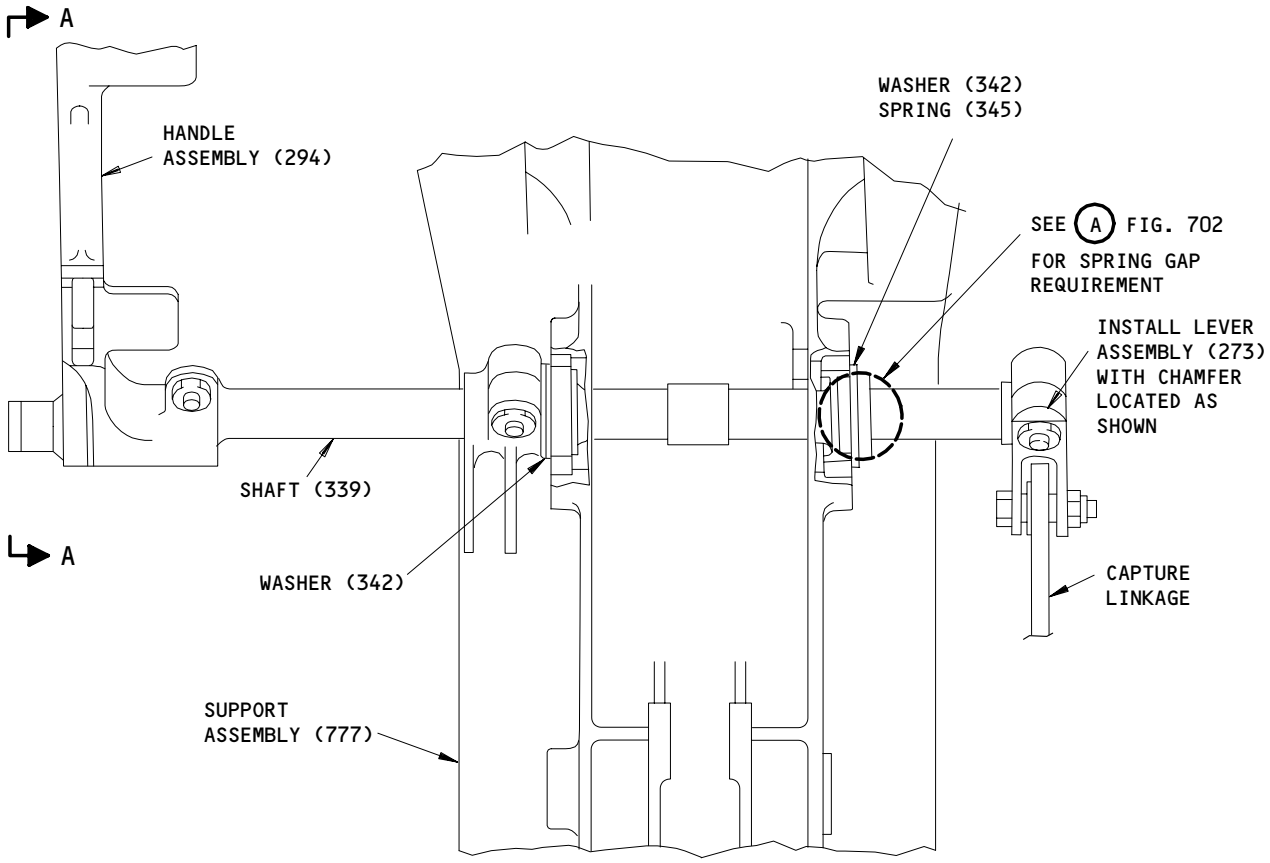
(19) Apply a light coat of grease, MIL-G-23827 or BMS 3-24 to faying surfaces of handle assembly (720) and support (573). Wipe surfaces with dry cloth to remove grease (do not use solvent). Install support (573) and shim (570) adjusted per step (18) on handle assembly (720) with sealant on faying surfaces and secure with washers (564) and nuts (567). Apply a bead of sealant to threads of bolts (561) before installing washers (564) and nut (567). Wipe off excess sealant.

(20) Remove bolts (663, 666), washers (669), terminal (672) and retainer (675) and tighten nut (654) to 80-120 lb-in.

(21) Check position of bearing (681). If bearing (681) is below support assembly (777) surface, fill cavity with washers (684) to 0.016 inch above housing surface. If bearing (681) is above support assembly (777) surface, prepare shim (678) with thickness equal to or up to 0.016 inch less than the height of the bearing (681) above support assembly surface.

(22) Apply a light coat of grease, MIL-G-23827 or BMS 3-24 to faying surfaces of retainer (675) and support assembly (777). Wipe off grease with dry cloth (do not use solvent). Assemble retainer (675), terminal (672), and shim (678) to support assembly (777) with bolts (663, 666) and washers (669). Lockwire bolts (663, 666) using double-twist method (ref 20-50-02). Install lockwire from bolt (666) to notch on terminal fitting (672).

D. Assemble shaft (339) and associated components (Fig. 718).

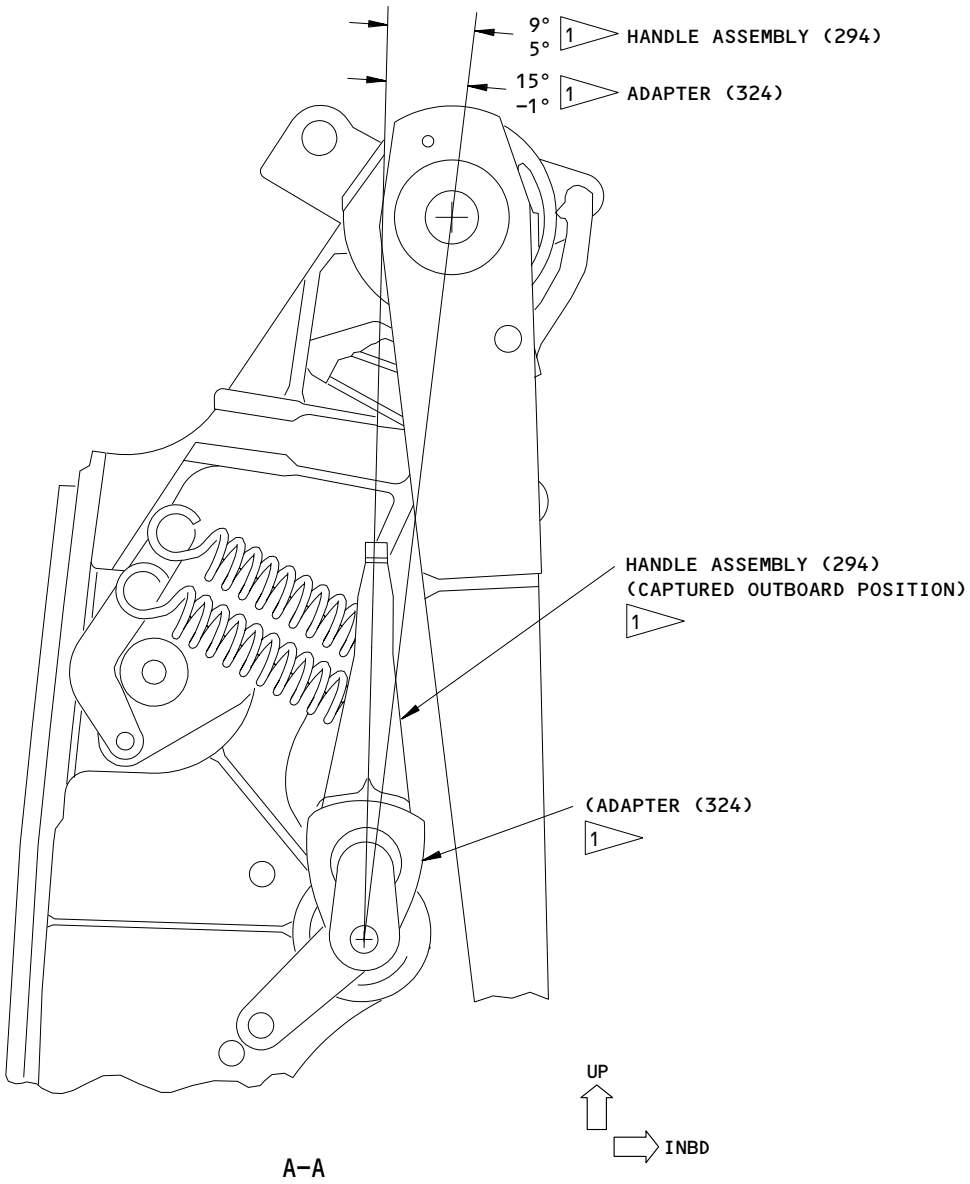


(VIEW LOOKING OUTBOARD)

ITEM NUMBERS REFER TO IPL FIG. 9

Assembly Details - Shaft and Handle Assembly
Figure 718 (Sheet 1)

F18081



1 WITH SECONDARY CAPTURE LINKAGE IN "CAPTURED" (OUTBOARD) POSITION, POSITION ADAPTER (324) AS SHOWN

ITEM NUMBERS REFER TO IPL FIG. 9

ALL DIMENSIONS ARE IN INCHES

Assembly Details - Shaft and Handle Assembly
Figure 718 (Sheet 2)

F18233

(1) Apply a light coat of grease, MIL-G-23827 to splines of shaft (339) and lever (336) and to washers (342) and spring (345). Install washer (342) and spring (345) on shaft (339).

(2) Install shaft (339) thru support assembly (777). Install washer (342) and lever (336) on shaft (339) with slot in lever aligned with missing tooth in shaft. Vary the quantity of washers (342) on each side of shaft (339) to get a spring (345) washer gap as shown in Fig. 714, Detail A. Apply a light coat of grease, MIL-G-23827 to shank and threads of bolt (327) and install bolt (327), washer (330) and nut (333).

(3) Apply a light coat of grease, MIL-G-23827 to splines of adapter (324). Install adapter with preassembled handle assembly (294) on shaft (339) at dimension indicated in Fig. 718.

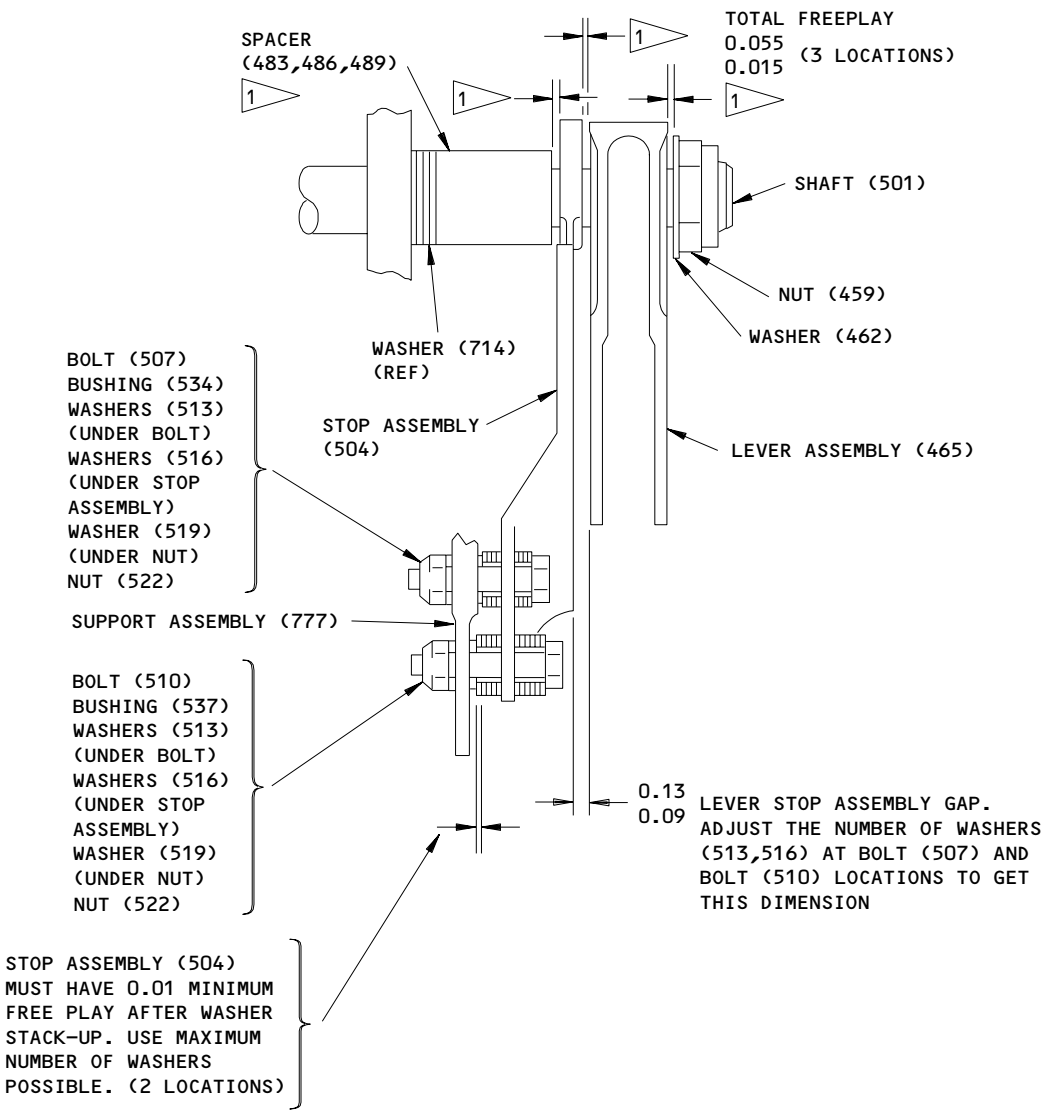
(4) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolt (315) and install parts (315 thru 321). Install snap ring (285).

NOTE: Final adjustment of handle assembly (294) will be done during installation on airplane.

(5) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolt (264) and to splines of lever assembly (273).

(6) Install lever assembly (273) on shaft (339) with the chamfered edge of lever assembly facing inboard as shown in Fig. 718. Secure lever assembly with parts (264 thru 270).

E. Assemble stop assembly (504) and lever assembly (465) (Fig. 719 thru 721).



(VIEW LOOKING OUTBOARD)

1 ADJUST QUANTITY OF SPACERS (483,486,489) AS REQUIRED TO PRODUCE 0.015-0.055 AXIAL FREE PLAY PRIOR TO CLAMP UP AT THE THREE LOCATIONS NOTED

ITEM NUMBERS REFER TO IPL FIG. 9

ALL DIMENSIONS ARE IN INCHES

Stop Assembly/Shaft Assembly Adjustments
Figure 719

(1) Apply a light coat of grease, MIL-G-23827 on spacers (483, 486, 489) and install 2 spacers (483), 1 spacer (486) and 1 spacer (489) on shaft (501).

(2) Apply a light coat of grease, MIL-G-23827 on shank and threads of bolt (468) and install parts (468 thru 480) on lever assembly (465).

(3) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolt (240) and secure link assembly (252) to lever assembly (465) with parts (240 thru 249).

(4) Install stop assembly (504).

(a) Apply a light coat of grease, MIL-G-23827 to lever assembly (465).

(b) Slide stop assembly (504) and lever assembly (465) on shaft (501).

(c) Secure stop assembly (504) to support assembly (777) as follows:

1) Apply a thin coat of grease, MIL-G-23827 to shank and threads of bolts (507, 510).

2) Install bolt (507), bushing (534), 4 washers (513) between bolthead and stop assembly (504), 6 washers (516) between stop assembly and support assembly (777), 1 washer (519) and nut (522).

3) Install bolt (510), bushing (537), 7 washers (513) between bolthead and stop assembly (504), 4 washers (516) between stop assembly and support assembly (777), 1 washer (519) and nut (522).

4) Check that distance between stop assembly (504) and lever assembly (465) is 0.09 to 0.13 inch and there is no preload of stop assembly against spacers (483, 486, 489) or lever assembly (465). Adjust number of washers (513, 516) as required. Stack of washers (516) must have 0.010 minimum freeplay at both fastener locations.

(d) Prior to clamp up, check that the total free play at the following three locations is 0.015-0.055 inch. Adjust quantity of spacers (483, 486) as required.

1) between spacer (489) and stop assembly (504)

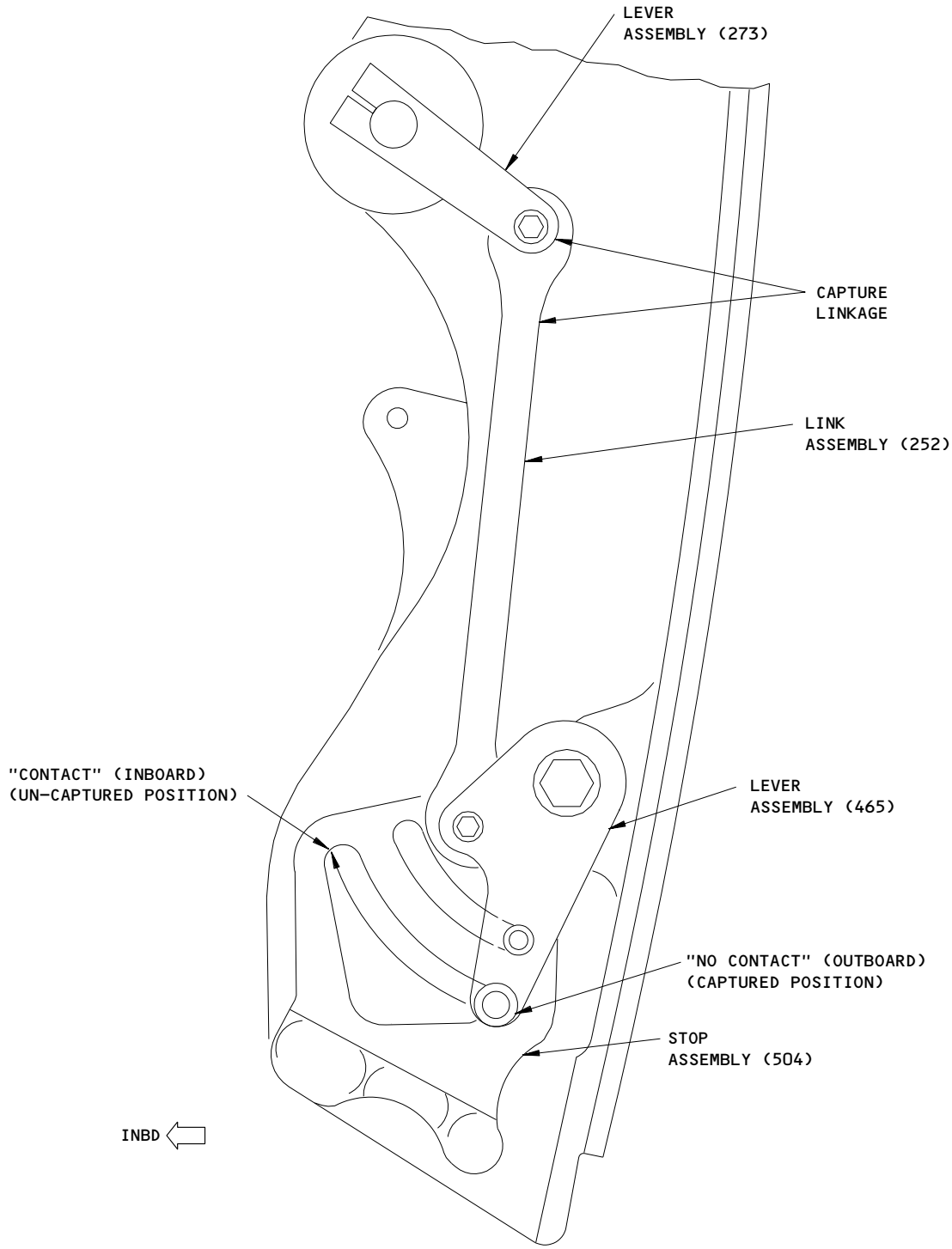
2) between stop assembly (504) and lever assembly (465)

3) Between lever assembly (465) and washer (462)

(e) Install washer (462), nut (459). Tighten nut just enough to clamp lever assembly (465).

(5) Apply a thin coat of grease, MIL-G-23827 to shank and threads of bolt (228) and secure link assembly (252) to lever assembly (273) with parts (228 thru 237).

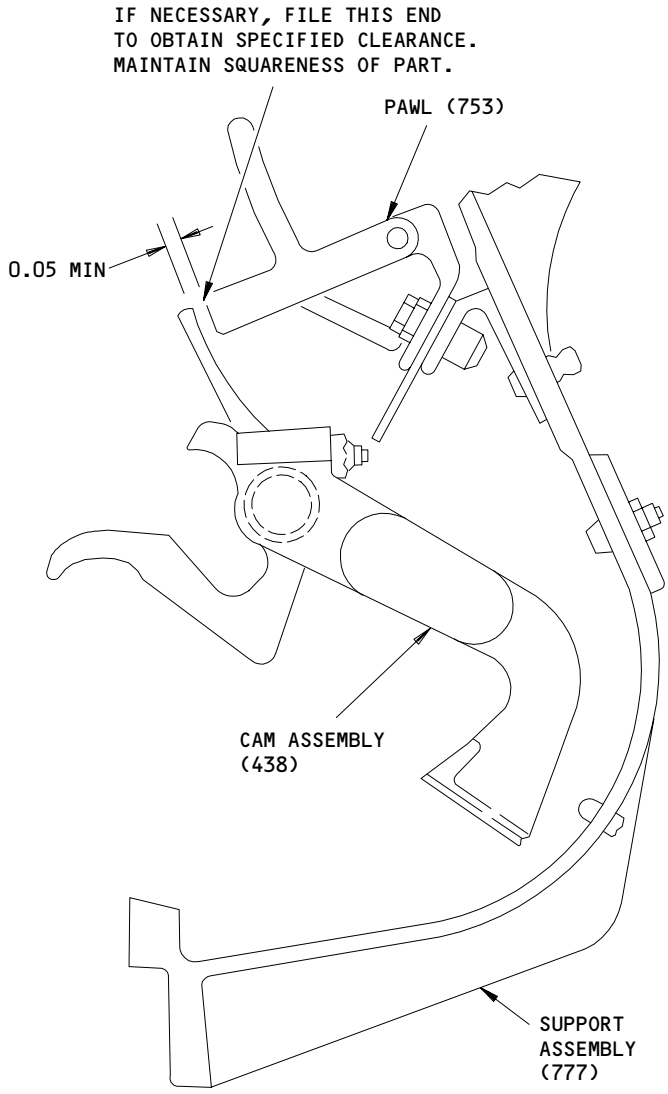
(6) Cycle the capture linkage to the "un-captured" position and make sure there is hard "contact" between the lever assembly (465) and the stop assembly (504) at the inboard end of the stroke (Fig. 720).



CAPTURED POSITION SHOWN

Assembly Details - Capture Linkage
Figure 720

F18587



UN-CAPTURED POSITION SHOWN

INBD

ITEM NUMBERS REFER TO IPL FIG. 9

ALL DIMENSIONS ARE IN INCHES

Assembly Details - Cam Assembly
Figure 721

F18516

(7) Cycle the capture linkage to the "captured" position and make sure there is "no contact" between the crank assembly (465) and the stop assembly (504). (Fig. 720).

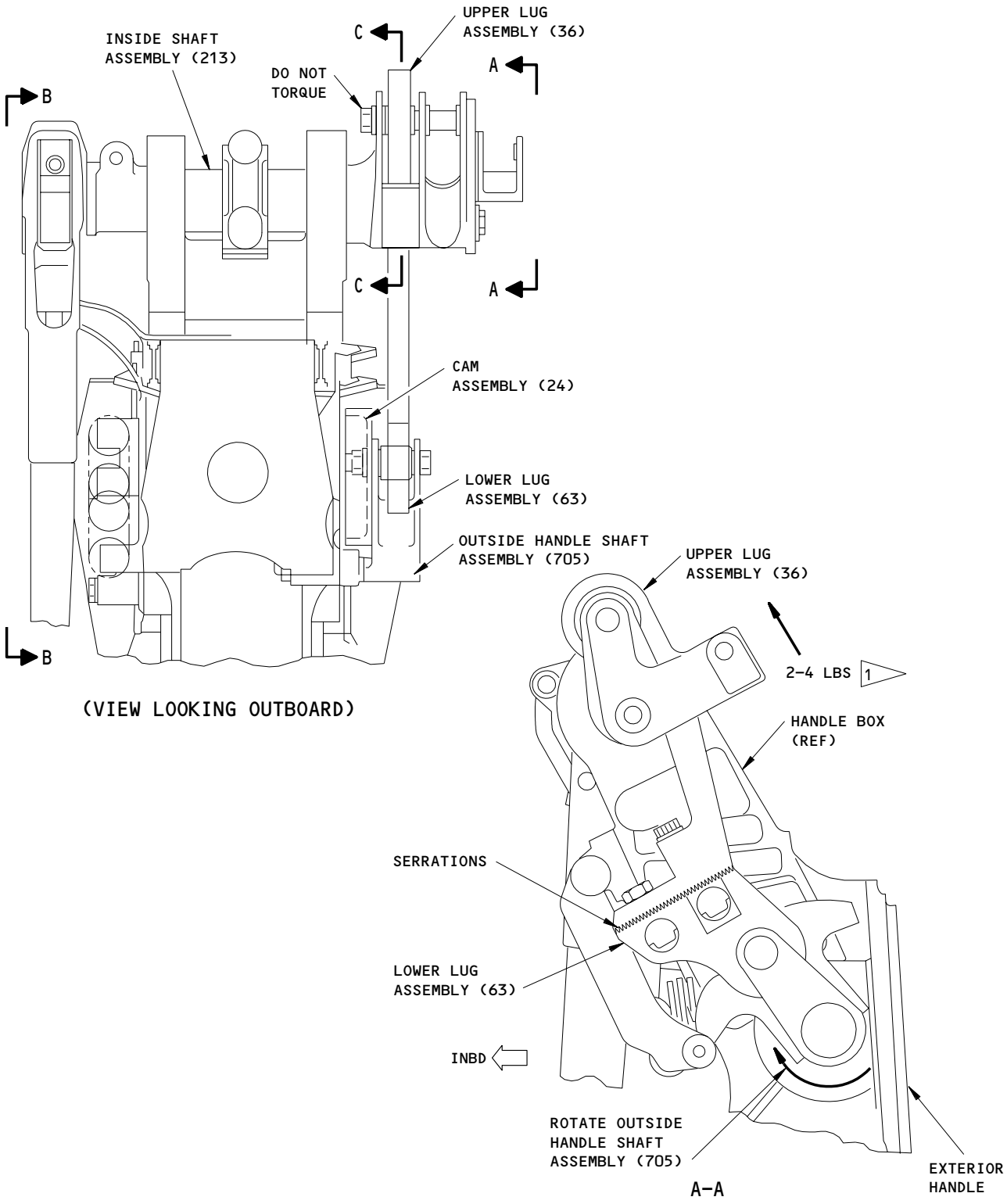
(8) Tighten nut (459) to 180-300 lb-in. Install cotter pin (456) per 27-50-02.

(9) Do a check to make sure the clearance between the pawl (753) and the cam assembly (438) is a minimum of 0.05 inch. If necessary, file the end of the pawl (753) to achieve clearance (Fig. 721).

F. Assemble shaft assembly (213) and inside handle assembly (153A).

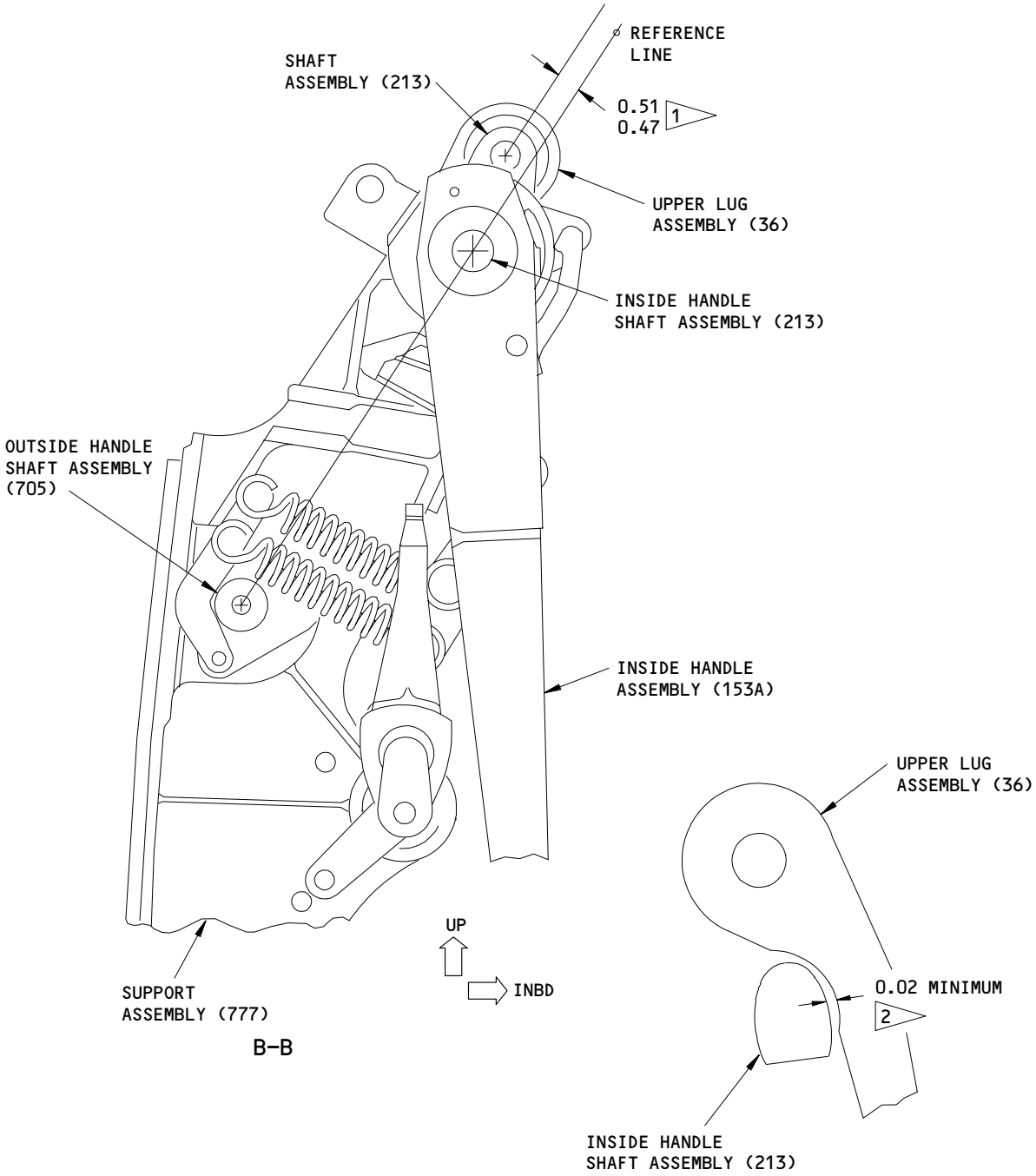
(1) Apply a light coat of grease, MIL-G-23827 to washers (216, 219), spring (222), and faying surfaces and splines of shaft assembly (213). Install washer (216) then install three washers (219) and one spring (222) with spring located between washers (219) on shaft assembly (213).

(2) Install shaft assembly (213) on support assembly (777) and rotate to approximate angular position as shown in Fig. 722.



Assembly Details - Lug Assembly
Figure 722 (Sheet 1)

F18791



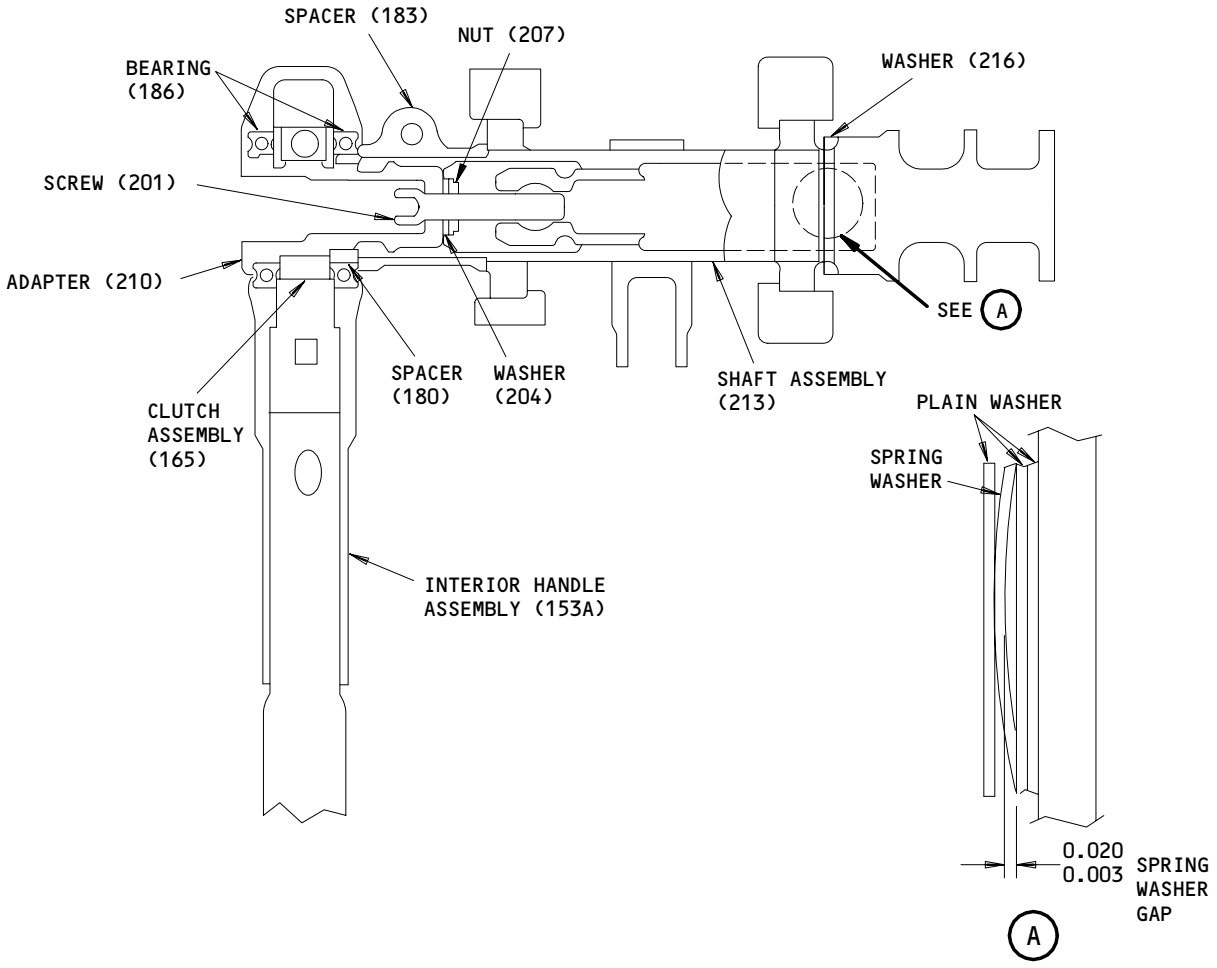
1 ROTATE SHAFT ASSEMBLY (213) TO THE SPECIFIED DIMENSIONS FOR INSTALLATION AND ADJUSTMENT OF LUG ASSEMBLIES (36,63)

2 MAKE SURE A 0.02 MINIMUM GAP EXISTS WHEN A 2-4 LB. FORCE IS APPLIED TO THE CRANK AS SHOWN IN A-A

ITEM NUMBERS REFER TO IPL FIG. 9

ALL DIMENSIONS ARE IN INCHES

Assembly Details - Lug Assembly
Figure 722 (Sheet 2)



HANDLE INSTALLATION WITH CLUTCH MECHANISM

ITEM NUMBERS REFER TO IPL FIG. 9

ALL DIMENSIONS ARE IN INCHES

Assembly Details - Shaft Assembly and Inside Handle Assembly
Figure 723

(3) For handle assemblies with clutch mechanism (IPL Fig. 9, 6) (Fig. 723).

(a) Install screw (201, IPL Fig. 9), washer (204, IPL Fig. 9), and nut (207, IPL Fig. 9) on adapter (210, IPL Fig. 9). Do not tighten nut up against adapter.

(b) Assemble handle assembly (153A, IPL Fig. 9; 1, IPL Fig. 6) by installing pawl assembly (55A, IPL Fig. 6) with washers (75, IPL Fig. 6) into the housing (85, IPL Fig. 6) with pin (50, IPL Fig. 6). Lock the pawl assembly (55, IPL Fig. 6) into position with spring pin (45, IPL Fig. 6). Install spring pin with a light coat of MIL-G-23827 grease.

(c) Install spring cartridge (80, IPL Fig. 6) with grease, BMS 3-24, and adjust spring to obtain dimension shown in Fig. 724.

(d) Apply a light coat of grease, MIL-G-23827, to spacer (183, IPL Fig. 1), bearings (186, IPL Fig. 1), splines of clutch assembly (165, IPL Fig. 1), and adapter assembly (198, IPL Fig. 1).

(e) Install clutch assembly (165, IPL Fig. 1), spacer (183, IPL Fig. 1), bearings (186, IPL Fig. 1), spacer (180, IPL Fig. 1), handle assembly (153A, IPL Fig. 1; 1, IPL Fig. 6), and adapter assembly (198, IPL Fig. 1) on shaft assembly (213, IPL Fig. 1). Tighten screw (201, IPL Fig. 1).

NOTE: Final adjustment will be done upon installation on airplane.

(4) Check that there is a 0.003-0.020 inch clearance between waves of spring (222) and washers (219). Remove parts and adjust number of washers (219) as required to get the spring washer gap (Fig. 723).

(5) Apply a light coat of grease, MIL-G-23827 to shank and threads of bolt (156). Install parts (156 thru 162) on spacer (183). Tighten nut (162) finger-tight.

NOTE: Final tighten of nut (162) will be done upon installation on airplane.

(6) Apply a light coat of grease, MIL-G-23827 to faying surfaces of lever assembly (120) and splined surfaces of cap (150). Position lever assembly (120) and cap (150) on shaft assembly (213) and install parts (123 thru 135). Tighten nut (135) finger tight.

NOTE: Lever assembly (120) will be adjusted upon installation on airplane.

G. Install lug assemblies (36, 63) and cam assembly (24) (Fig. 722).

(1) With external handle assembly (720) closed and latched (cam assembly (438) flushed with support assembly (777), rotate shaft assembly (213) to dimension specified and rotate shaft assembly (705) to the hard over position toward external handle assembly closed (Fig. 722).

(2) Install preassembled lug assemblies (36, 63) and cam assembly (24). Secure lug assembly (36) to shaft assembly (213) with parts (3 thru 12) and secure lug assembly (63) and cam assembly (24) to shaft assembly (705) with parts (15 thru 21). Tighten nut (12) finger-tight.

(3) Adjust the serrated area between the lug assemblies (36, 63) so that the dimensional relationship established in the previous two steps is maintained. Remove and reinstall bolt (54) and washers (57, 60) with sealant, BMS 5-95. Tighten bolts (48, 54).

(4) Make sure a 0.02 minimum gap exists between the upper lug assembly (36) and the inside handle shaft assembly (213) when a 2 to 4 pound force is applied to the adapter assembly (102) (Refer to flagnote 2, Fig. 722).

(5) Remove parts (3 thru 21) and reinstall with sealant, BMS 5-95. (F-19.48).

(6) Do a check to make sure that there is no preload at each bolt (3, 15).

H. For handle assemblies with handle detent mechanism.

(1) Fay surface seal the cam bracket assembly (99) to the handle support assembly (777) with BMS 5-95 sealant and secure with bolts (93) and washers (96). Install the fasteners with BMS 5-95 sealant (F-19.48).

(2) Secure idler assembly (90) to cam bracket assembly (99) with pin (87). Hold pin into position with cotter pins (81) and washers (84).

(3) Attach springs (651) onto idler assembly (90) posts and terminal (672) posts.

NOTE: Idler assembly bearing (25, IPL Fig. 7) should rest against the cam assembly (24).

I. Check that the operation of handle mechanism assembly is without any binding or roughness.

J. Bend tab of washer (657) to secure nut (654).

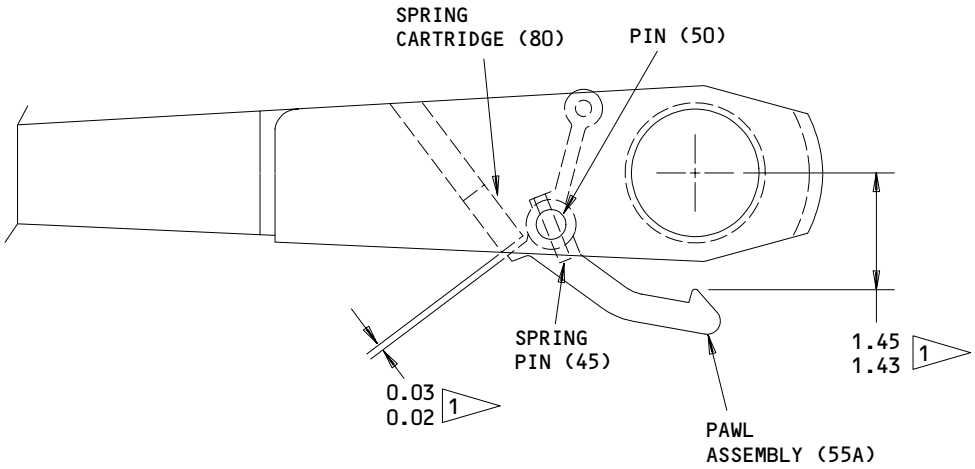
K. Lockwire the following parts using double twist method (Ref 20-50-02) with MS20995NC32 lockwire.

(1) Nut (636) and washer (639).

(2) Bolts (612, 663, 666).

L. Fillet seal the end of the bolt (768) that extends through the nut with BMS 5-95 sealant.

M. Install cover seal (765) with wet BMS 5-95 sealant on faying surface and bolts (756), washers (759), and nuts (762). Fillet seal the end of the bolts (756) that extend through the nuts with BMS 5-95 sealant.



1 ADJUST SPRING CARTRIDGE (80) TO DIMENSION SHOWN WHEN PAWL ASSEMBLY IS AT FULL OPEN POSITION

ITEM NUMBERS REFER TO IPL FIG. 6

ALL DIMENSIONS ARE IN INCHES

Inside Handle Assembly Adjustment
Figure 724

F18083

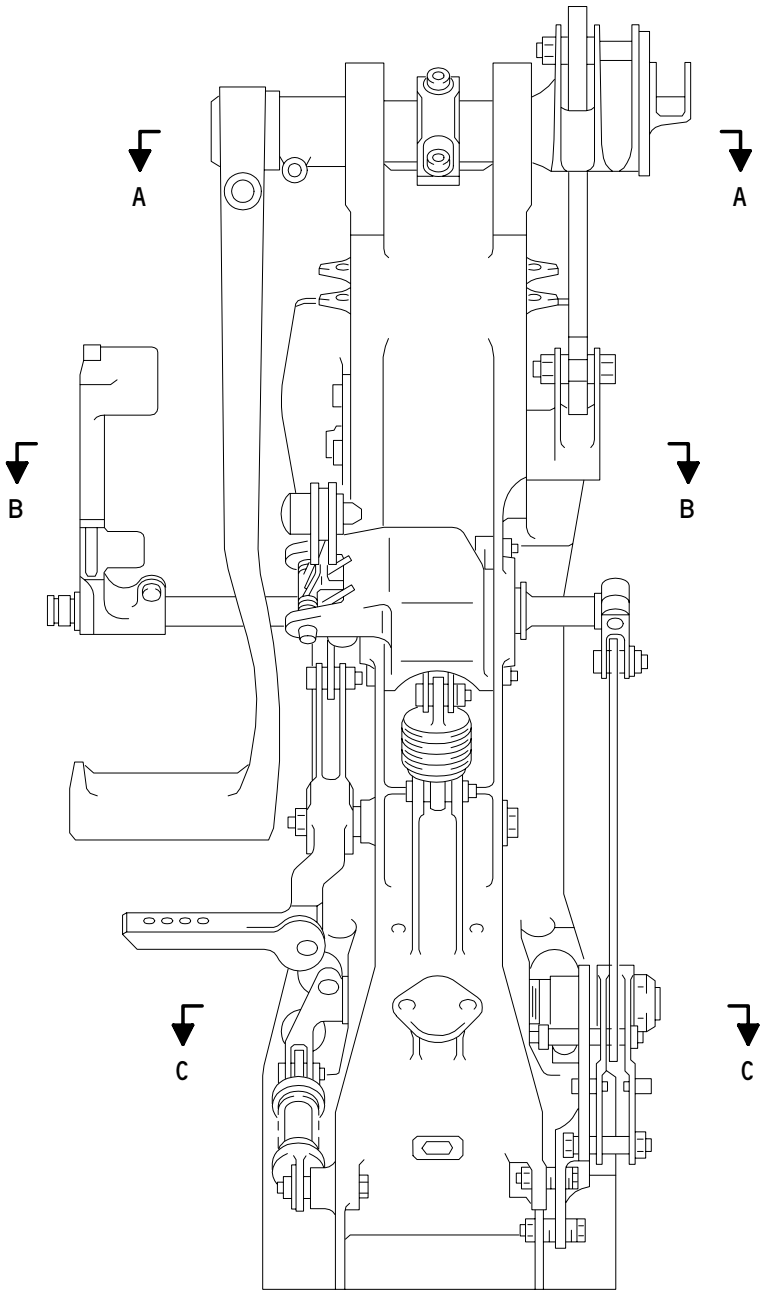
4. Storage

CAUTION: HANDLE ASSEMBLY (141, IPL FIG. 1; 153, IPL FIG. 9) IS FREE TO ROTATE AND MUST BE RESTRAINED TO PREVENT DAMAGE TO PART OR INJURY TO PERSONNEL.

A. Secure handle assembly (141, IPL Fig. 1; 153, IPL Fig. 9) to shaft (456, IPL Fig. 1; 339, IPL Fig. 9) with tape or other suitable devices.

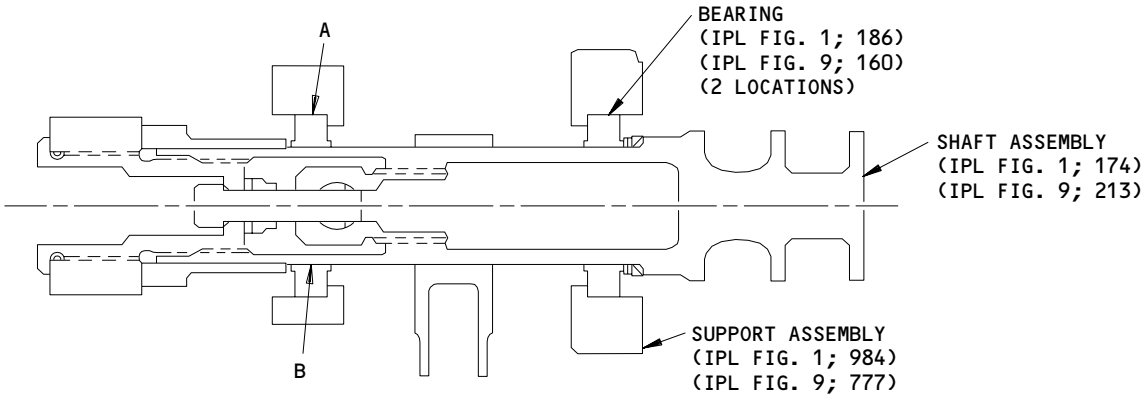
B. Use standard industry practices and information contained in 20-44-02 to store this component.

FITS AND CLEARANCES

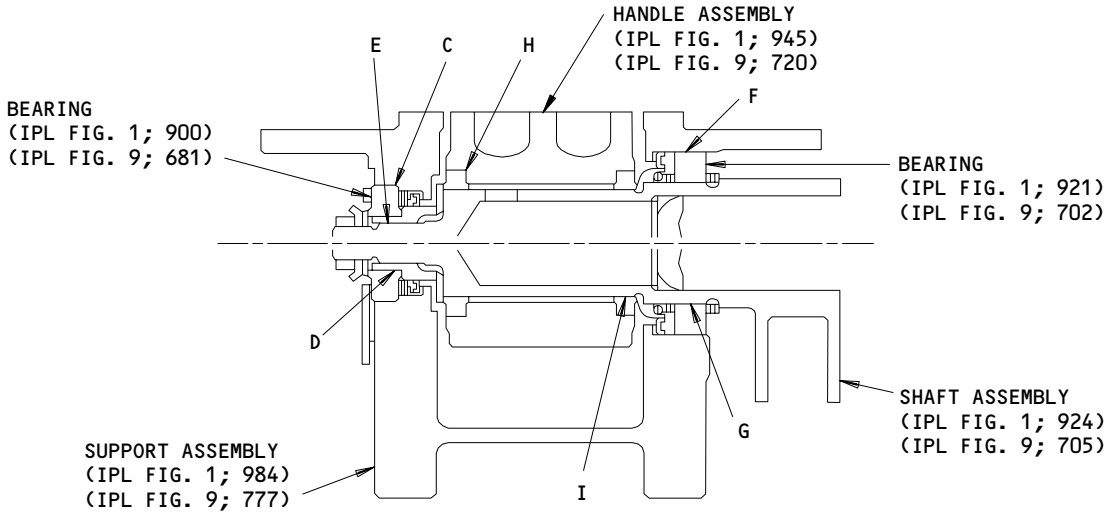


141T6136-7 ASSY SHOWN

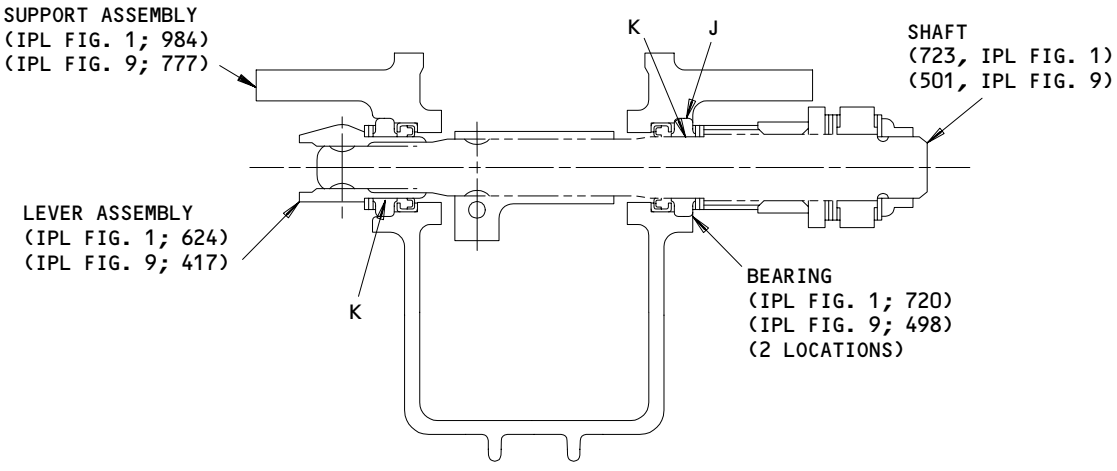
Fits and Clearances
Figure 801 (Sheet 1)



A-A



B-B



C-C

Fits and Clearances
Figure 801 (Sheet 2)

60531

Ref Letter Fig.801	Mating Item No. IPL Fig. 1	Design Dimension				Service Wear Limit		
		Dimension		Assembly Clearance *[1]		Dimension		Maximum Clearance
		Min	Max	Min	Max	Min	Max	
A	ID 984 OD 186	2.0625 2.0615	2.0635 2.0625	0.0000	0.0020			0.0060
B	ID 186 OD 174	1.3120 1.310	1.3130 1.311	0.0010	0.0030			0.0070
C	ID 984 OD 900	1.3750 1.3745	1.3760 1.3750	0.0000	0.0015			0.0030
D	ID 900 OD 906	0.6245 0.6215	0.6250 0.6225	0.0020	0.0035			0.0045
E	ID 906 OD 924	0.501 0.495	0.504 0.500	0.001	0.009			0.010
F	ID 984 OD 921	2.1885 2.1865	2.1895 2.1875	0.0010	0.0030			0.0040
G	ID 921 OD 924	1.4370 1.4365	1.4380 1.4375	-0.0005	0.0015			0.0025
H	ID 50,55 *[2] OD 40 *[2]	1.7500 1.7490	1.7510 1.7500	0.0000	0.0020			0.0030
I	ID 40 *[2] OD 924	1.3118 1.310	1.3132 1.311	0.0008	0.0032			0.0040
J	ID 984 OD 720	1.1875 1.1865	1.1885 1.1875	0.0000	0.0020			0.0040
K	ID 720 OD 624,723	0.7493 0.747	0.7507 0.748	0.0013	0.0037			0.0057

*[1] NEGATIVE VALUES DENOTE INTERFERENCE FIT
*[2] IPL FIG. 4
ALL DIMENSIONS ARE IN INCHES

Fits and Clearances
Figure 801 (Sheet 3)

60577

REF LETTER	REF IPL FIG. 9, MATING ITEM NO.	DESIGN DIMENSION*				SERVICE WEAR LIMIT*		
		DIMENSION		ASSEMBLY CLEARANCE 1		DIMENSION		MAXIMUM CLEARANCE
		MIN	MAX	MIN	MAX	MIN	MAX	
A	ID 777 OD 160	2.0625 2.0615	2.0635 2.0625	0.0000	0.0020			0.0060
B	ID 160 OD 213	1.3120 1.310	1.3130 1.311	0.0010	0.0030			0.0070
C	ID 777 OD 681	1.3750 1.3745	1.3760 1.3750	0.0000	0.0015			0.0030
D	ID 681 OD 687	0.6245 0.6215	0.6250 0.6225	0.0020	0.0035			0.0045
E	ID 687 OD 705	0.501 0.495	0.504 0.500	0.001	0.009			0.010
F	ID 777 OD 702	2.1885 2.1865	2.1895 2.1875	0.0010	0.0030			0.0040
G	ID 702 OD 705	1.4370 1.4365	1.4380 1.4375	−0.0005	0.0015			0.0025
H	ID 50,55 2 OD 40 2	1.7500 1.7490	1.7510 1.7500	0.0000	0.0020			0.0030
I	ID 40 2 OD 705	1.3118 1.310	1.3132 1.311	0.0008	0.0032			0.0040
J	ID 777 OD 498	1.1875 1.1865	1.1885 1.1875	0.0000	0.0020			0.0040
K	ID 498 OD 417,501	0.7493 0.747	0.7507 0.748	0.0013	0.0037			0.0057

* ALL DIMENSIONS ARE IN INCHES

1 NEGATIVE VALUES DENOTE INTERFERENCE FIT
2 IPL FIG. 4

Fits and Clearances
Figure 801 (Sheet 4)

F19022

REF IPL		NAME	TORQUE*	
FIG. NO.	ITEM NO.		POUND-INCHES	POUND-FEET
1	666B	NUT	180-300	
1	879	NUT	80-120	
1	954A	BOLT	35-40	
9	459	NUT	180-300	
9	654	NUT	80-120	
9	732	BOLT	35-40	

* REFER TO SOPM 20-50-01 FOR TORQUE VALUES OF STANDARD FASTENERS.

Torque Table
Figure 802

ILLUSTRATED PARTS LIST

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

2. Indentures show parts relationships as follows:

    Assembly
      Detail Parts for Assembly
      Subassembly
      Attaching Parts for Subassembly
        Detail Parts for Subassembly

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

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

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

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

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

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

6. Parts Interchangeability

Optional (OPT)	The parts are optional to and interchangeable with other parts having the same item number.
Supersedes, Superseded By (SUPSDS, SUPSD BY)	The part supersedes and is not interchangeable with the original part.
Replaces, Replaced By (REPLS, REPLD BY)	The part replaces and is interchangeable with, or is an alternate to, the original part.

VENDORS

K8455 RHP BEARINGS PLC RHP AEROSPACE
OLDENDS LANE
STONEHOUSE GL10 3RM UK

S0352 NIPPON MINIATURE BEARING CO LTD
TOKYO, JAPAN

0PTK6 SPS TECHNOLOGIES INC AEROSPACE PRODUCTS DIV
5195 W 4700 SPO BOX 18459
KEARNS, UTAH 84118

01226 BARRY WRIGHT CORP VLIER ENG DIV
2333 VALLEY STREET
BURBANK, CALIFORNIA 91505-1336
FORMERLY IN LOS ANGELES, CALIFORNIA
FORMERLY VLIER ENG DIV OF BARRY WRIGHT CORP

06144 INDUSTRIAL TECTONICS BEARING CORP
18301 SOUTH SANTA FE AVENUE
RANCO DOMINQUEZ, CALIFORNIA 90221
FORMERLY IN COMPTON, CALIFORNIA

06725 AIR INDUSTRIES CORPORATION
12570 KNOTT STREET
GARDEN GROVE, CALIFORNIA 92641-3932
FORMERLY AIR INDUSTRIES OF CALIF IN GARDENA, CALIF.

06950 SCREWCORP VSI AEROSPACE PRODUCTS DIV FAIRCHILD IND DIV
13001 EAST TEMPLE AVENUE PO BOX 730
CITY OF INDUSTRY, CALIFORNIA 91746-1417
FORMERLY VB0096 AND VSI CORP SCREWCORP DIV
FORMERLY IN CULVER CITY, CALIFORNIA

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

08524 DEUTSCH FASTENER CORP SEE CODE V97928

10630 ANILLO INDUSTRIES, INCORPORATED
2090 NORTH GLASSELL
ORANGE, CALIFORNIA 92667
FORMERLY WESTERN WASHER DIV OF SENG CO V87487

VENDORS

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

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

17446 HUCK MFG CO GOV CONTRACTS LOS ANGELES DIV SUB OF FED-MOGUL
900 WATSON CENTER ROAD
CARSON, CALIFORNIA 90745

21335 TORRINGTON CO FAFNIR BEARING DIV
59 FIELD STREET
TORRINGTON, CONNECTICUT 06790-1008
FORMERLY FAFNIR BRG AND TEXTRON INC FAFNIR DIV IN
NEW BRITAIN, CONNECTICUT

30163 VALENTEC DAYRON INC
333 MAGUIRE BLVD PO BOX 140394
ORLANDO, FLORIDA 32814-0394

38443 MRC BEARINGS
402 CHANDLER STREET
JAMESTOWN, NEW YORK 14701-3802
FORMERLY MARLIN-ROCKWELL CORP DIV TRW AND TRW INC

40920 MPB MINIATURE PRECISION BEARING DIV
PRECISION PARK PO BOX 547
KEENE, NEW HAMPSHIRE 03431
FORMERLY MPB CORP AND MINIATURE BRG DIV MPB CORP

43991 FAG BEARING INCORPORATED
118 HAMILTON AVENUE
STAMFORD, CONNECTICUT 06904
FORMERLY NORMA-HOFFMAN BEARING CORPORATION
FORMERLY NORMA FAG BEARINGS CORPORATION

5M902 FAIRCHILD IND INC FAIRCHILD AEROSPACE FASTENER DIV
3016 W LOMITA BLVD
TORRANCE, CALIFORNIA 90505-5103
FMLY IN REDONDO BEACH, CALIF

VENDORS

52828 REPUBLIC FASTENER MFG CORP
1300 RANCHO CONEJO BLVD
NEWBURY PARK, CALIFORNIA 91320-1405
FORMERLY IN SYLMAR, CALIFORNIA

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

60119 MONADNOCK CO THE
18301 ARENTH AVENUE PO BOX 1222
CITY OF INDUSTRY, CALIFORNIA 91749
FORMERLY UNITED CARR FASTENER CORP VB0051 VB0056 VB0076
FORMERLY TRW ELECTRONIC COMPONENTS CINCH-MONADNOCK DIV
FORMERLY CINCH-MONADNOCK DIV OF TRW INC V76530

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

60516 WEST COAST AEROSPACE INC
812 MIRAFLORES STREET
SAN PEDRO, CALIFORNIA 90731-1439

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

71087 BOOTS ACFT NUT DIV TOWNSEND CO SEE TEXTRON INC CHERRY
FASTENER TOWNSEND DIV V11815

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

73197 HI-SHEAR TECHNOLOGY CORP
2600 SKYPARK DRIVE
TORRANCE, CALIFORNIA 90509

75165 MANVILLE SALES CORP
717 17TH STREET
DENVER, COLORADO 80217
FORMERLY JOHNS-MANVILLE SALES CORP IN NEW YORK, NEW YORK

VENDORS

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

80539 SPS TECHNOLOGIES INC AEROSPACE PRODUCTS DIV
2701 SOUTH HARBOR BOULEVARD PO BOX 1259
SANTA ANA, CALIFORNIA 92702-1259
FORMERLY NUTT-SHEL DIV OF SPC WESTERN CO V80539
AND STANDARD PRESSED STEEL WESTERN DIV V17279

83086 NEW HAMPSHIRE BALL BEARINGS, INCORPORATED
ROUTE 202
PETERBOROUGH, NEW HAMPSHIRE 03458

83553 ASSOCIATED SPRING CORP BARNES GROUP
15001 SOUTH BROADWAY PO BOX 231
GARDENA, CALIFORNIA 90248-1819
FORMERLY V0389B

92215 FAIRCHILD IND INC FAIRCHILD AEROSPACE FASTENER DIV
3010 W LOMITA BLVD
TORRANCE, CALIFORNIA 90505-5102
FORMERLY VOI-SHAN IN CULVER CITY, CALIF

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

96906 MILITARY STANDARDS PROMULGATED BY MILITARY
DEPARTMENTS UNDER AUTHORITY OF DEFENSE
STANDARDIZATION MANUAL 4120 3-M

97393 SHUR-LOK CORPORATION
2541 WHITE ROAD PO BOX 19584
IRVINE, CALIFORNIA 92713
FORMERLY SHUR LOK CORP VB0060
FORMERLY IN SANTA ANA, CALIFORNIA 92714

VENDORS

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

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
AN316C4R		1	952	1
		1	957A	1
		9	729	1
AN960-1216L		1	669	1
AN960-416		1	153	1
		1	567	1
		1	594	1
		1	618	1
		1	843	2
		1	890	3
		1	891	3
AN960-416L		1	135	1
		1	237	1
		1	261	1
		1	273	2
		1	303	1
		1	402	1
		1	414	1
		1	435	1
		1	474	1
		1	540	4
		1	541	4
		1	639	1
		1	678	1
		1	684A	1
		1	699	14
AN960-516		1	168	1
		1	173E	1
		7	15	1
		9	204	1
AN960-616		1	9	1
		1	21	1
		1	45	1
		1	738	11
AN960-716		1	885	1
AN960C10		1	807	1
AN960C10L		1	771	1
AN960C416		1	792	3
AN960C416L		1	74C	4
AN960C716L		1	73A	2
AN960KD416		1	192A	1
		1	324A	1
AN960KD416		1	351A	1
		1	956A	7

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
AN960KD416L		1	953	1
		1	955	1
		1	956B	7
		1	959	1
AN960KD616		1	228A	1
AN960KD8		1	981A	1
AN960KD8L		1	978A	1
AN960PD10L		1	966A	2
AN960PD416		1	351C	1
		1	744	2
AN970-4		1	564	1
		9	354	1
ASR6-30		1	36	1
		1	69	1
		9	42	1
		9	75	1
AS46-4		1	111	2
		9	132	2
BACB10AC4A		1	252	2
		1	294	2
		1	363	1
		1	579	1
		1	606	1
		9	258	2
		9	369	1
		9	399	1
BACB10BW21		1	186	2
		9	225	2
BACB10BW23		1	921	1
		9	702	1
BACB10BX10		1	900	1
		9	681	1
BACB10B79LT		6	65	1
BACB10CF12PP		1	720	2
		9	498	2
BACB10CF14PP		1	753	1
		3	15	2
		9	528	1
BACB10CF21PP		1	160	2
		4	40	2
		9	186	2
BACB10CG6		1	216	1
BACB10CK6		1	36	1
		1	69	1
		9	42	1
		9	75	1

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
BACB10FK5K16HS		7	25	1
BACB28AK04-026		1	240	1
		1	264	1
		1	354	1
		1	591	1
		9	234	1
		9	384	1
BACB28AK04-027		1	195	1
		1	282	1
		9	246	1
BACB28AK04-028		1	687	1
BACB28AK04-053		1	762	1
		9	534	1
BACB28AK04-055		9	477	1
BACB28AK04-070		1	765	1
		9	537	1
BACB28AK04-075		1	327	1
BACB28AK04-248		1	558B	2
BACB28AK04-258		1	558A	2
BACB28AK06-021		1	12	2
		9	9	2
BACB28AK06-028		1	24	1
		9	21	1
BACB28AT07C020C		7	30	2
BACB28AY07A0188		8	10	2
BACB28X4C009		5	105	1
BACB28X4C010		1	123A	1
		1	630A	1
		3	5	2
		9	144	1
		9	423	1
BACB28X4C011		1	315A	1
		1	426A	1
		1	450B	1
		9	279	1
BACB28X4C015		1	210	1
BACB28X4C024		5	110	1
BACB28X4E015		1	87	1
		9	111	1
BACB28X4M010		1	555	2
BACB28X4M016		5	90	1
BACB28X4M050		5	80	1
BACB28X5M016		5	100	4
BACB28X5M024		5	100A	4
BACB28X6C010		1	930	1
		9	708	1

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
BACB28X6C016		2	10	1
BACB28X6M010		1	120	1
		1	312	1
		1	423	1
		1	627	1
		9	141	1
		9	276	1
		9	420	1
BACB28X6M012		1	207	1
		1	447	1
		3	10	2
BACB28X6M016		5	95	1
BACB28X6M050		5	85	1
BACB28X6M109		4	30	1
BACB28X9M010		1	933	1
		9	711	1
BACB28Y4C037		1	681A	1
BACB28Y4C045		9	474	1
BACB28Y4C089		1	276	1
BACB28Y6E036		1	90	1
		9	114	1
BACB28Y9M013		2	20	1
BACB28Y9M015		2	15	1
BACB30LE6U25		1	48B	1
		9	54	1
BACB30LK3-12		1	768	1
		9	540	1
BACB30LK3-13		1	825	1
		9	597	1
BACB30LL6-33		1	6B	1
BACB30LT6-18		1	18B	1
		9	15	1
BACB30MR4K10		4	10	4
BACB30MT6K25		1	48	1
BACB30MY5K5		5	40	2
BACB30NF4-1		1	81	1
		9	105	1
BACB30NF4-4		1	958	1
		9	738	1
BACB30NJ6K18		1	18	1
BACB30NM3K8		1	804	1
		9	576	1
BACB30NM4HK10		1	840	2
		9	612	2

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
BACB30NM4HK16		1	887	2
		9	663	2
BACB30NM4HK2		1	888	3
		1	889	1
		9	666	1
BACB30NM4K12		1	615	1
		9	408	1
BACB30NM4K14		1	150	1
		1	300	1
		1	399	1
		1	411	1
		1	432A	1
		9	156	1
		9	264	1
		9	315	1
		9	327	1
BACB30NM4K17		9	123	2
BACB30NM4K25		1	561	1
		9	351	1
BACB30NM4K50		1	537	2
BACB30NM4K6		1	74A	4
		9	93	4
BACB30NM6K12		1	42	1
		9	48	1
BACB30NM6K70		1	225	1
BACB30NN4K14		1	636	1
		9	429	1
BACB30NR4K10		1	588	1
		9	381	1
BACB30NR4K11		1	234	1
		1	258	1
		1	348A	1
		9	228	1
BACB30NR4K12		1	189	1
		9	240	1
BACB30NR4K15		1	732	1
		9	507	1
BACB30NR4K16		1	321	1
		1	735	1
		9	510	1
BACB30NR4K19		9	468	1
BACB30NR4K22		1	675	1
BACB30NR4K26		1	270	1
BACB30NT2K3		1	975	1
		9	768	1

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
BACB30NT3K3		1	963	2
		9	756	2
BACB30NW8K5		1	789	3
		9	561	3
BACB30NX8K28		1	132	1
BACB30RF6P33		1	6	1
BACC30M5		5	45	2
BACN10HC4		1	157V	1
		1	390	1
		1	441	1
		9	174	1
		9	306	1
BACN10HC5		2	35	1
BACN10HC6		1	60	2
		9	66	2
BACN10JC3		1	969	2
BACN10JC3CM		1	774	1
		1	810	1
BACN10JC4		1	156	1
		1	198	1
		1	243	1
		1	267	1
		1	285	1
		1	306	1
		1	330	1
		1	357	1
		1	405	1
		1	417	1
		1	543	2
		1	570	1
		1	597	1
		1	621	1
		1	642	1
		1	690	1
		1	702	1
		1	747	2
BACN10JC4CM		1	795	3
BACN10JC5		1	171	1
BACN10JC6		1	27	1
		1	231	1
BACN10JD112CD		1	666B	1
		9	459	1
BACN10JP08A		5	25	1
BACN10JP08C		1	218	4
BACN10JP4DCM		5	55	2
BACN10JQ42		5	15	22
		5	20	14

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
BACN10JQ43		5	20A	14
BACN10JR4CM		1	501	1
BACN10JR6CM		1	29	1
		9	30	1
BACN10MT4		1	114	2
BACN10MT4		9	135	2
BACN10YF42		5	15A	22
BACN10YF43		5	20B	14
BACN10YR3CD		9	546	1
		9	762	2
BACN10YR4CD		9	237	1
		9	249	1
		9	390	1
		9	480	1
		9	522	2
		9	567	3
BACP18T4K72		1	477	1
BACR10V4		1	393	1
		1	444	1
		9	309	1
BACR10V5		2	40	1
BACR10V6		1	63	2
		9	69	2
BACR15BA3AD		1	217	8
		1	498	2
		5	10	74
		5	50	4
BACR15BA5D		6	10	5
BACR15BB4AD		5	60	1
BACR15BB4AD10		3	20	2
BACR15BB4B		1	492	2
BACR15CE5KE		9	441	4
BACR15CE5M		1	651	4
BACR15DR3F		5	10A	74
BACR15GA6		6	60	1
BACS18G50B		1	504	1
BACS40U4N2		5	145	4
BACS45A26		1	972A	1
		9	765	1
BACW10AU4		1	111	2
		9	132	2
BACW10BN4AC		4	15	4

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
BACW10BP3C		9	579	1
BACW10BP4C		9	318	1
		9	330	1
		9	357	1
		9	411	1
		9	615	2
		9	669	3
BACW10BP6C		9	18	1
BACW10CA104CCU		1	105	2
		9	126	2
BACW10CA104CVU		1	108	2
		9	129	2
BACW10CA6CCS		1	51	1
		9	57	1
BACW10CA6CVS		1	54	1
		9	60	1
BACW10P115S		1	84	1
		9	108	1
BACW10P121C		1	345	1
BACW10P129AM		1	522	1
BACW10P221S		1	741	10
		9	516	10
BACW10P274G		6	75	4
BACW10P321S		1	480	2
BAC27TBY0033		1	665	1
		9	453	1
BCREF5231		5	120	2
BCREF5232		5	115	1
BCREF5355		5	125	1
BRH10A3		1	969	2
BRM200A08		5	25	1
BRM300A08		1	218	4
BR2000C4M		1	501	1
B0500-038S		1	192B	1
		1	324B	1
		1	351B	1
		1	956	7
		9	735B	1
B30MY5K5		5	40	2
B30NW8K5		1	789	3
		9	561	3
B539-2TS		1	720	2
		9	498	2

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
B539DD		1	720	2
		9	498	2
B539DDFS101		1	720	2
		9	498	2
B539DDFS428		1	720	2
		9	498	2
B539FS101		1	720	2
		9	498	2
B539SSG27		1	720	2
		9	498	2
B540-2TS		1	753	1
		3	15	2
		9	528	1
B540DD		1	753	1
		3	15	2
		9	528	1
B540DDFS101		1	753	1
		3	15	2
		9	528	1
B540DDFS428		1	753	1
		3	15	2
		9	528	1
B540FS101		1	753	1
		3	15	2
		9	528	1
B540SSG27		1	753	1
		3	15	2
		9	528	1
B542-2TS		1	160	2
		4	40	2
		9	186	2
B542DD		1	160	2
		4	40	2
		9	186	2
B542DDFSS428		1	160	2
		4	40	2
		9	186	2
B542DDFS101		1	160	2
		4	40	2
		9	186	2
B542FS101		1	160	2
		4	40	2
		9	186	2

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
B542SSG27		1	160	2
		4	40	2
		9	186	2
CHRS3CTKR16		7	25	1
DELETED		1	873	2
DW6-1		1	216	1
GDW6FS428		1	216	1
GDW6SD610		1	216	1
GDW6TT		1	216	1
HHKSP4A		1	252	2
		1	294	2
		1	363	1
		1	579	1
		1	606	1
		9	258	2
		9	369	1
		9	399	1
HL10VAZ5-5		5	40	2
HL1012AZ8-28		1	132	1
HL11VAZ8-5		1	789	3
		9	561	3
HL12VAZ8-28		1	132	1
HL70-5		5	45	2
HL79-5		5	45	2
HRSC3CTKR16		7	25	1
H10-3BAC		1	969	2
H19700P4		1	114	2
H19700P4		9	135	2
H52732-3CD		9	546	1
		9	762	2
H52732-4CD		9	237	1
		9	249	1
		9	390	1
		9	480	1
		9	522	2
		9	567	3
KP10AFS428		1	900	1
		9	681	1
KP10A2TS		1	900	1
		9	681	1
KP21B		1	186	2
		9	225	2

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
KP21BFS428		1	186	2
		9	225	2
KP21BG27		1	186	2
		9	225	2
KP21BLY196		1	186	2
		9	225	2
KP21BSD610		1	186	2
		9	225	2
KP21B2TS		1	186	2
		9	225	2
KP23B		1	921	1
		9	702	1
KP23BFS428		1	921	1
		9	702	1
KP23BG27		1	921	1
		9	702	1
KP23BLY196		1	921	1
		9	702	1
KP23BSD610		1	921	1
		9	702	1
KP23B2TS		1	921	1
		9	702	1
KSP4A		1	252	2
		1	294	2
		1	363	1
		1	579	1
		1	606	1
KSP4AE9440A		1	252	2
		1	294	2
		1	363	1
KSP4AE9440A		1	579	1
		1	606	1
		9	258	2
		9	369	1
		9	399	1
KSP4AFS428		1	252	2
		1	294	2
		1	363	1
		1	579	1
		1	606	1
		9	258	2
		9	369	1
		9	399	1

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
KSP4AG27		1	252	2
		1	294	2
		1	363	1
		1	579	1
		1	606	1
		9	258	2
		9	369	1
		9	399	1
KSP4ASD610		9	258	2
		9	369	1
		9	399	1
KSP4A2TS		1	252	2
		1	294	2
		1	363	1
		1	579	1
		1	606	1
		9	258	2
		9	369	1
		9	399	1
K1001-4BAC		1	501	1
K1001-6BAC		1	29	1
		9	30	1
K19701P4		1	111	2
		9	132	2
K29646-104NF		1	108	2
		9	129	2
K29646-6S		1	54	1
		9	60	1
K29913-104NF		1	105	2
		9	126	2
K29913-6S		1	51	1
		9	57	1
LH8065-048		1	157V	1
		1	390	1
		1	441	1
		9	174	1
		9	306	1
LH8065-054		2	35	1
LH8065-064		1	60	2
		9	66	2
LLKP10A		1	900	1
		9	681	1
LLKP21B		1	186	2
		9	225	2
LLKP23B		1	921	1
		9	702	1
L802-8K28		1	132	1

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
L803-8K5		1	789	3
		9	561	3
MF19058-4-2BAC		5	15A	22
MF19058-4-3BAC		5	20B	14
MK1000-08BAC		5	25	1
MK3000-08BAC		1	218	4
MK4001-4BAC		5	55	2
MS16562-252		1	117	1
		9	138	1
MS16562-37		6	45	1
MS16624-1062		1	369	1
		9	285	1
MS18066-69		1	528	2
MS19068-002		1	879	1
		9	654	1
MS19070-002		1	882	1
		9	657	1
MS20392-3C69		1	959H	1
		9	744	1
MS20427M4		1	28N	2
		9	27	2
MS21042L3		1	774B	1
		1	774C	2
		1	810B	1
		1	810C	2
		1	969B	2
		1	969C	1

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
MS21042L4		1	156B	1
MS21042L4		1	198B	1
		1	243B	1
		1	267B	1
		1	285B	1
		1	306B	1
		1	330B	1
		1	357B	1
		1	405B	1
		1	417B	1
		1	543B	2
		1	570B	1
		1	570C	2
		1	597B	1
		1	597C	2
		1	621B	1
		1	621C	2
		1	642B	1
		1	642C	2
		1	690B	1
		1	690C	2
		1	702B	1
		1	702C	2
		1	747B	2
		1	795B	3
		1	795C	2
MS21042L5		1	171B	1
		1	173G	1
		9	207	1
MS21042L6		1	27B	1
		1	231B	1
MS21209F4-15P		1	546	2
MS24665-134		1	471	1
MS24665-304		1	73	2
		9	81	2
MS24665-376		1	665H	1
		9	456A	1
MS28775-127		1	912	1
MS51023-122		1	528A	2
M834611-127		9	693	1
NAS1149C0332R		9	543	1
NAS1149C0432R		1	131	4
		9	96	4

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
NAS1149C0463R		9	564	3
NAS1149C0732R		9	84	2
NAS1149DN816J		9	774	1
NAS1149DN832J		9	771	1
NAS1149D0332J		9	759	2
NAS1149D0416J		1	956F	7
		9	726	1
		9	735	1
		9	741	1
NAS1149D0463J		1	956G	7
		9	519	2
		9	735A	1
NAS1149F0432P		9	231	1
		9	243	1
		9	267	1
		9	471	2
NAS1149F0463P		9	159	1
		9	387	1
NAS1149F0663P		9	6	1
		9	51	1
		9	513	11
NAS1149F0763P		9	660	1
NAS1149F1232P		9	462	1
NAS1329H4K200L		5	140	4
NAS1330H4K211L		5	140A	4
NAS1351-4-76P		1	372	1
		9	288	1
NAS1351-5-24P		1	165	1
		1	173C	1
		9	201	1
NAS1351C4-24P		1	157J	1
		9	168A	1
NAS1351N4-24P		1	157G	1
		9	168	1
NAS1394-4L		4	35A	2
NAS1394C4L		2	5	1
		4	35	2
		5	75	4
NAS1399MW4-5		2	25	1
NAS1801-4-16		1	130A	4

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
NAS1805-3		1	828	1
NAS1805-3L		9	582	1
		9	600	1
NAS1805-4L		9	162	1
		9	270	1
		9	321	1
		9	333	1
		9	360	1
		9	414	1
		9	435	1
NAS1805-4N		1	138	1
NAS1805-6		1	15	1
NAS1805-6L		9	12	1
NAS42DD4-24		1	495A	2
		3	25	2
NAS428-4-10		1	696	1
NAS428-4-12		1	951A	1
		9	723	1
NAS428-4-7		1	954A	1
		9	732	1
NAS43HT4-4		1	157R	1
		1	375	1
		1	519	1
		9	171	1
		9	291	1
NAS509-4C		1	864	1
		9	636	1
NAS509-5		7	10	1
NAS513-4		1	867	1
		9	639	1
NAS513-5		7	20	1
NAS577-4A		4	20	4
NAS578-4		4	25	4
NAS578-4B		4	25A	4
NAS604-24P		1	516B	1
NAS620-416L		9	432	1
NAS6604-17		1	102	2
NAS6604-50		1	537A	2
NAS72-4E005		1	483	2
NAS8706-33		9	3	1
NNS57N003		6	80	1
NS103197-82		5	25	1
NS103199-82		1	218	4
NS103200SE048		5	55	2
NS103202SE048		1	501	1

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
NS103202SE064		1	29	1
		9	30	1
NS202101-02		1	969	2
PLH53CD		9	546	1
		9	762	2
PLH54CD		9	237	1
		9	249	1
		9	390	1
		9	480	1
		9	522	2
		9	567	3
PN3A		6	65	1
RMA9205M82		1	218	4
RMLH9075-3W		1	969	2
SAT1624A1501		1	468	2
		9	348	2
SLR4027-4		1	393	1
		1	444	1
		9	309	1
SLR4027-5		2	40	1
SLR4027-6		1	63	2
		9	69	2
SL414-4		1	157V	1
		1	390	1
		1	441	1
		9	174	1
		9	306	1
SL414-5		2	35	1
SL414-6		1	60	2
		9	66	2
TLN1020-4N		1	114	2
		9	135	2
TLN1020L4W		1	111	2
		9	132	2
TN11251212ALCAS		5	120	2
TN12501212ALCAS		5	115	1
TN21881214ALCAS		5	125	1
T339E		1	720	2
		9	498	2
T340E		1	753	1
		3	15	2
		9	528	1
T342E		1	160	2
		4	40	2
		9	186	2
T6S1032J		1	969	2
T8076S832		5	25	1

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
T8078S832		1	218	4
T8083C428		5	55	2
T8089C428		1	501	1
T8089C624		1	29	1
		9	30	1
VN102D1-048		1	501	1
VN102D1-064		1	29	1
		9	30	1
VN202A1-82		5	25	1
VN203A1-82		1	218	4
VN204D1-048		5	55	2
VN303A02		1	969	2
109A9201-4		1	501	1
109A9201-6		1	29	1
		9	30	1
109A9209M4		5	55	2
141T6103-1		1	833	1
		1	839L	1
141T6133-49		1	984A	1
		5	1	RF
141T6133-50		1	987A	1
		5	5	RF
141T6133-53		1	984B	1
		5	1B	RF
141T6133-54		1	987B	1
		5	5B	RF
141T6133-59		1	984	1
		5	1A	RF
141T6133-60		1	987	1
		5	5A	RF
141T6133-63		5	130	1
141T6133-64		5	135	1
141T6133-67		5	130B	1
141T6133-68		5	135B	1
141T6133-71		5	130A	1
141T6133-72		5	135A	1
141T6133-79		1	984C	1
		5	1C	RF
		9	777	1
141T6133-80		1	987C	1
		5	5C	RF
141T6133-87		5	130C	1
141T6133-88		5	135C	1
141T6136-23		1	1C	RF
141T6136-24		1	3C	RF
141T6136-29		1	1D	RF

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
141T6136-3		1	1	RF
141T6136-30		1	3D	RF
141T6136-33		1	1E	RF
141T6136-34		1	3E	RF
141T6136-4		1	3	RF
141T6136-51		1	1F	RF
141T6136-52		1	3F	RF
141T6136-55		1	1G	RF
		9	1A	RF
141T6136-59		1	1H	RF
141T6136-60		1	3G	RF
141T6136-63		1	839	1
141T6136-64		1	836	1
141T6136-7		1	1A	RF
141T6136-8		1	3A	RF
141T6159-11		1	945	1
		4	1	RF
141T6159-12		1	948	1
		4	5	RF
141T6159-15		4	55	1
141T6159-16		4	60	1
141T6159-21		4	1A	RF
		9	720	1
141T6159-23		4	55A	1
141T6159-7		4	50	1
141T6160-1		1	141	1
141T6160-2		1	147	1
141T6160-3		1	144	1
		6	25	1
141T6160-5		6	20	1
141T6160-6		6	15	1
141T6160-7		6	35	1
141T6160-8		6	30	1
141T6188-1		1	729	1
141T6188-10		1	756	1
		9	531	1
141T6188-2		1	726	1
		9	504	1
141T6188-9		1	759	1
141T6193-1		1	420	1
141T6193-3		1	429	1
		9	336	1
141T6194-1		1	309	1
		9	273	1
141T6194-2		1	318	1
		9	282	1
141T6195-1		1	645	1

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
141T6195-2		1	648	1
141T6195-3		1	657	2
		9	447	2
141T6195-7		9	438	1
141T6196-2		1	39	1
		9	45	1
141T6196-3		1	30	1
		9	36	1
141T6196-4		1	39A	1
141T6196-5		1	30A	1
141T6197-1		1	57	1
		9	63	1
141T6197-2		1	72	1
		9	78	1
141T6198-1		1	456	1
		9	339	1
141T6199-2		1	723A	1
141T6199-3		9	501	1
141T6200-1		1	660	1
141T6200-2		1	663	1
141T6200-3		9	450	1
141T6201-3		1	705	1
141T6201-4		1	708	1
		9	483	1
141T6201-5		1	711	1
		9	486	1
141T6201-6		9	489	1
141T6202-1		1	75	1
		9	102	1
141T6202-2		1	78	1
141T6202-3		1	93	1
		9	117	1
141T6202-4		1	96	1
141T6203-1		1	180	3
		9	219	3
141T6203-2		1	183	1
		9	222	1
141T6203-3		1	714	21
		9	492	21
141T6203-4		1	717	1
		9	495	1
141T6203-5		1	459	2
		9	342	2

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
141T6203-6		1	465	1
		9	345	1
141T6203-7		1	903	8
		9	684	8
141T6203-8		1	918	12
		9	699	12
141T6205-1		1	624	1
		9	417	1
141T6205-2		1	633	1
		9	426	1
141T6206-1		5	35	1
141T6206-2		5	70	1
141T6206-3		5	35A	1
141T6206-4		5	70A	1
141T6206-5		5	65	1
141T6207-11		3	30A	1
141T6207-12		3	1A	RF
		9	465	1
141T6207-7		1	672	1
		3	1	RF
141T6207-9		3	30	1
141T6208-1		1	915	1
		9	696	1
141T6210-1		1	654	1
		9	444	1
141T6214-1		1	693	1
141T6215-1		1	159	1
141T6215-3		1	159A	1
		9	183	1
141T6219-1		1	861	1
		9	633	1
141T6220-1		1	408	1
		9	324	1
141T6221-1		1	174	1
		2	1	RF
		9	213	1
141T6221-4		2	50	1
141T6222-1		1	129	1
		9	150	1
141T6223-1		1	162	1
141T6223-2		1	173	1
		9	198	1

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
141T6223-3		1	173J	1
		9	210	1
141T6224-1		2	45	1
141T6224-3		2	30	1
141T6225-1		1	177	1
		9	216	1
141T6226-1		1	855	1
		9	627	1
141T6227-1		1	99	1
		9	120	1
141T6227-2		1	126	1
		9	147	1
141T6228-1		1	924	1
		9	705	1
141T6228-2		1	927	1
141T6228-3		1	936	1
		9	714	1
141T6228-4		1	939	1
141T6229-1		1	906	1
		9	687	1
141T6231-1		1	849	1
		9	621	1
141T6231-2		1	477A	1
141T6232-1		1	852	1
		9	624	1
141T6248-3		1	387A	1
141T6248-4		1	396A	1
141T6248-5		1	387B	1
		9	303	1
141T6248-6		1	396B	1
		9	312	1
141T6249-1		1	378	1
141T6249-3		1	384	1
		9	300	1
141T6249-4		1	381	2
		9	297	2
141T6249-6		1	378B	1
		9	294	1
141T6258-3		1	585	1
		9	375	1
141T6258-4		9	378	1
141T6258-5		1	878	2
		9	651	2

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
141T6271-1		1	201	1
141T6271-2		1	204	1
141T6271-25		1	201A	1
141T6271-26		1	204A	1
141T6271-27		1	219A	1
141T6271-28		1	222A	1
141T6271-3		1	219	1
141T6271-31		1	201B	1
141T6271-32		1	204B	1
141T6271-4		1	222	1
141T6274-1		1	600	1
		9	393	1
141T6274-2		1	573	1
		9	363	1
141T6274-3		1	612	1
		9	405	1
141T6274-4		1	582	1
		9	372	1
141T6274-5		1	609	1
		9	402	1
141T6277-1		1	288	1
		9	252	1
141T6277-2		1	246	1
141T6277-3		1	297	1
		9	261	1
141T6277-4		1	255	1
141T6280-1		1	834	1
		1	836L	1
		1	839R	1
		9	606	1
141T6280-2		1	837	1
		1	839W	1
141T6280-3		1	836R	1
		1	837B	1
		9	609	1
141T6282-1		1	894	1
		9	675	1
141T6284-1		1	801	1
141T6284-3		9	573	1
141T6286-1		1	798	1
141T6286-2		1	897	1
		9	678	1
141T6286-3		9	570	1
141T6287-1		1	831	2
		9	603	2

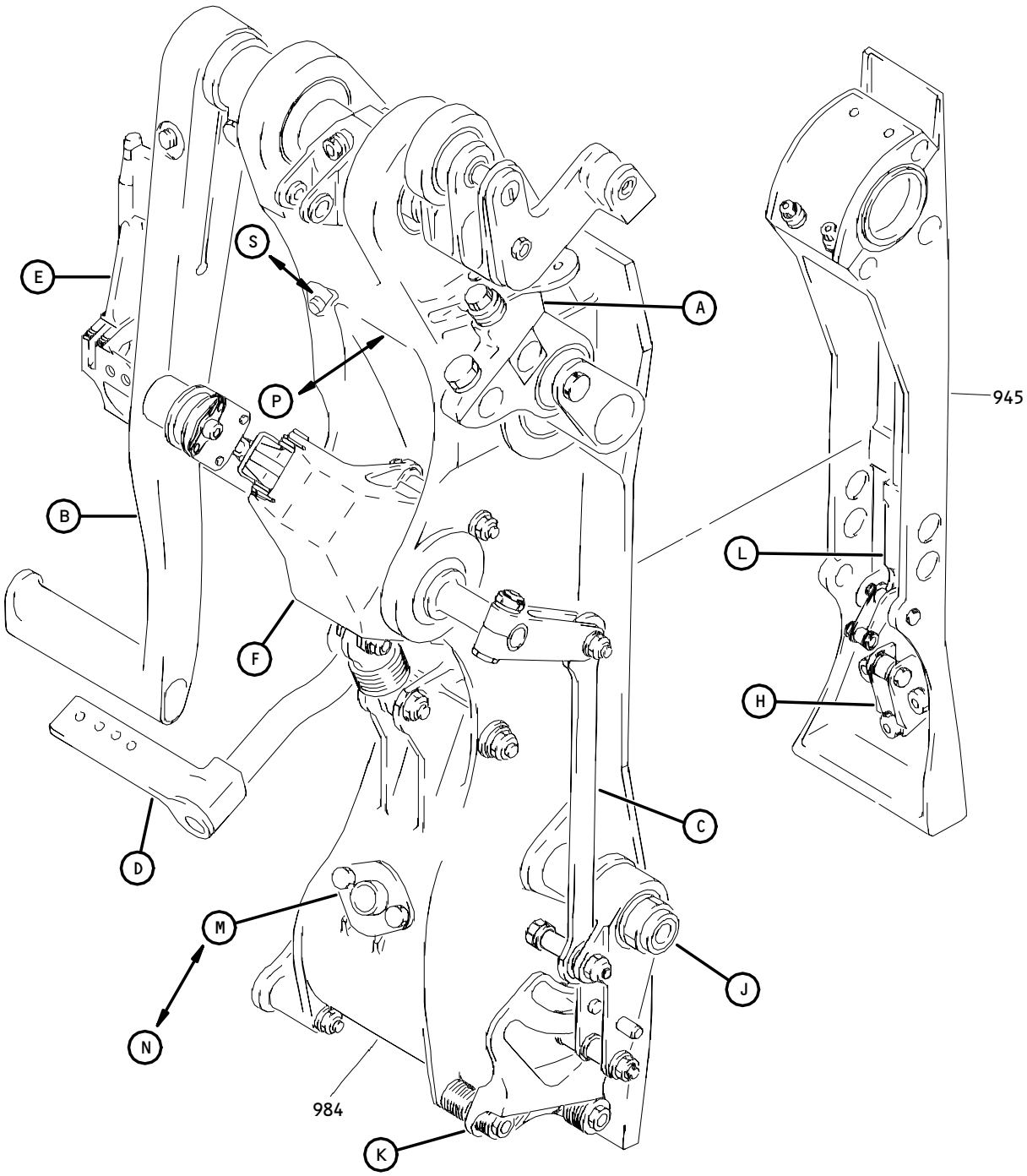
PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
141T6287-10		1	876	1
		9	648	1
141T6287-14		1	783	2
		1	819	2
		1	873	2
		9	555	2
		9	591	2
		9	645	2
141T6287-15		1	336	2
141T6287-16		4	45	2
141T6287-17		1	858	1
		9	630	1
141T6287-18		9	552	1
141T6287-19		9	558	1
141T6287-2		1	813	1
		9	585	1
141T6287-21		9	549	1
141T6287-3		1	816	1
		9	588	1
141T6287-4		1	780	1
141T6287-5		1	870	1
141T6287-5		9	642	1
141T6287-7		1	822	1
		9	594	1
141T6287-8		1	786	1
141T6287-9		1	777	1
141T6288-1		1	846	1
		9	618	1
141T6348-1		1	73M	1
		7	1	RF
		9	90	1
141T6348-10		7	65	1
141T6348-11		7	20A	1
141T6348-2		1	73P	1
		7	5	RF
141T6348-3		7	35	1
141T6348-4		7	40	1
141T6348-6		7	55	1
141T6348-7		7	45	1
141T6348-8		7	50	1
141T6348-9		7	60	1
141T6349-1		1	28	1
		9	24	1
141T6349-3		1	29G	1
		9	33	1
141T6349-7		1	29H	1
		9	33A	1

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
141T6350-1		1	893	1
		9	672	1
141T6350-2		1	893A	1
		9	672A	1
141T6350-6		1	893C	1
141T6500-1		1	909	1
		9	690	1
141T6500-2		1	942	1
		9	717	1
141T6521-1		1	33	1
		1	66	1
		9	39	1
		9	72	1
141T6521-3		1	213	1
141T6521-6		1	750	1
		9	525	1
141T6538-10		1	525C	1
141T6649-1		1	531	1
141T6649-2		1	534	1
141T6649-3		1	549	1
141T6649-4		1	552	1
141T6650-1		1	486	1
141T6651-1		1	489	1
141T6651-2		1	513	1
141T6651-4		1	507	1
141T6651-5		1	510	1
141T6652-2		1	438	1
141T6652-5		1	453	1
141T6661-1		1	960A	1
		9	747	1
141T6662-1		1	962A	1
		9	753	1
141T6662-2		1	962	1
141T6663-1		1	961	1
		9	750	1
143T6150-1		1	142	1
		6	5	RF
143T6150-2		1	141A	1
		6	1	RF
		9	153A	1
143T6151-1		6	85	1
143T6152-1		6	50	1
143T6152-2		6	40	1
143T6152-3		1	73G	1
		9	87	1

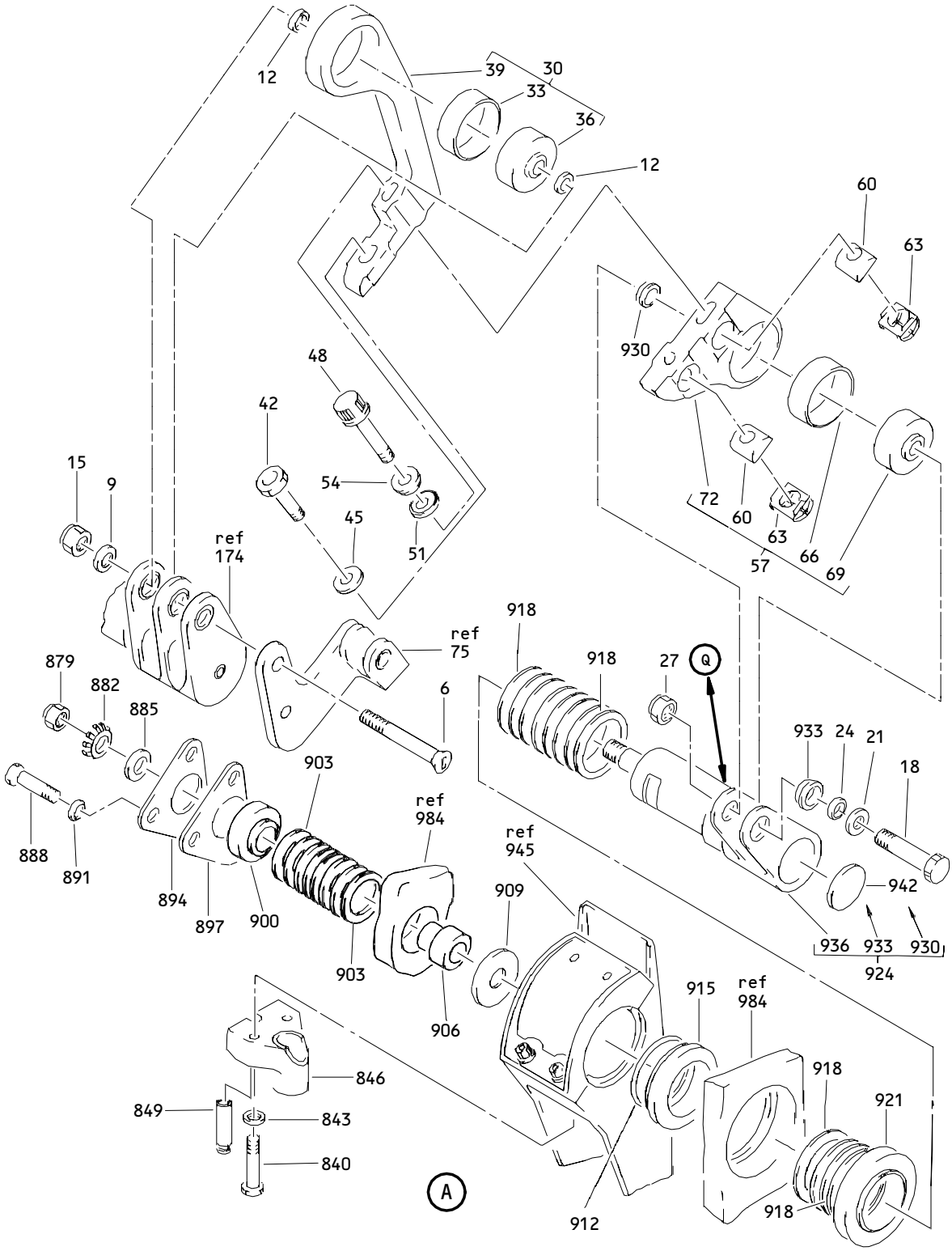
PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
143T6154-5		6	55A	1
143T6154-6		6	70A	1
143T6155-1		1	157	1
143T6155-2		1	158	1
143T6155-4		1	158C	1
143T6155-5		1	157A	1
		9	165	1
143T6155-6		1	158A	1
		9	177	1
143T6155-7		1	158B	1
		9	177A	1
143T6156-19		1	74G	1
143T6156-19		8	1	RF
		9	99	1
143T6156-20		1	74J	1
		8	5	RF
143T6156-21		8	15	1
143T6156-22		8	20	1
143T6156-25		8	25	1
143T6156-26		8	30	1
143T6157-1		1	158M	1
		9	180	1
2452-048RET		1	393	1
		1	444	1
		9	309	1
2452-054RET		2	40	1
2452-064RET		1	63	2
		9	69	2
295927-50		1	504	1
4AFS428		1	252	2
		1	294	2
		1	363	1
		1	579	1
		1	606	1
		9	258	2
		9	369	1
		9	399	1
52LH6073-048		1	114	2
		9	135	2
53488-428		1	114	2
		9	135	2
53488W428		1	111	2
		9	132	2

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
6073-04		1	111	2
		9	132	2
66014-5		5	45	2
69-38919-35		1	249	2
		1	291	2
		1	576	1
		1	603	1
		9	255	2
		9	366	1
		9	396	1
69-38919-58		1	249A	2
		1	291A	2
		1	576A	1
		1	603A	1
69-38919-58		9	255A	2
		9	366A	1
		9	396A	1
69B13060-7		1	360	1
69B13060-8		1	366	1
69B13067-6		1	339	1
69B13067-7		1	333	1
69B14846-2		1	342	1
70186-6S		1	54	1
		9	60	1
70188-104U		1	108	2
		9	129	2
70189-6S		1	51	1
		9	57	1
70191-104U		1	105	2
		9	126	2
922005-6		1	54	1
		9	60	1
922006-6		1	51	1
		9	57	1
922009-4		1	108	2
		9	129	2
922010-4		1	105	2
		9	126	2
942005-6		1	54	1
		9	60	1
942006-6		1	51	1
		9	57	1
942009-4		1	108	2
		9	129	2
942010-4		1	105	2
		9	126	2

PART NUMBER	AIRLINE PART NO.	FIG.	ITEM	TTL REQ
94263-428		1	157V	1
		1	390	1
		1	441	1
		9	174	1
		9	306	1
94263-524		2	35	1
94263-624		1	60	2
		9	66	2
96-02		1	969	2

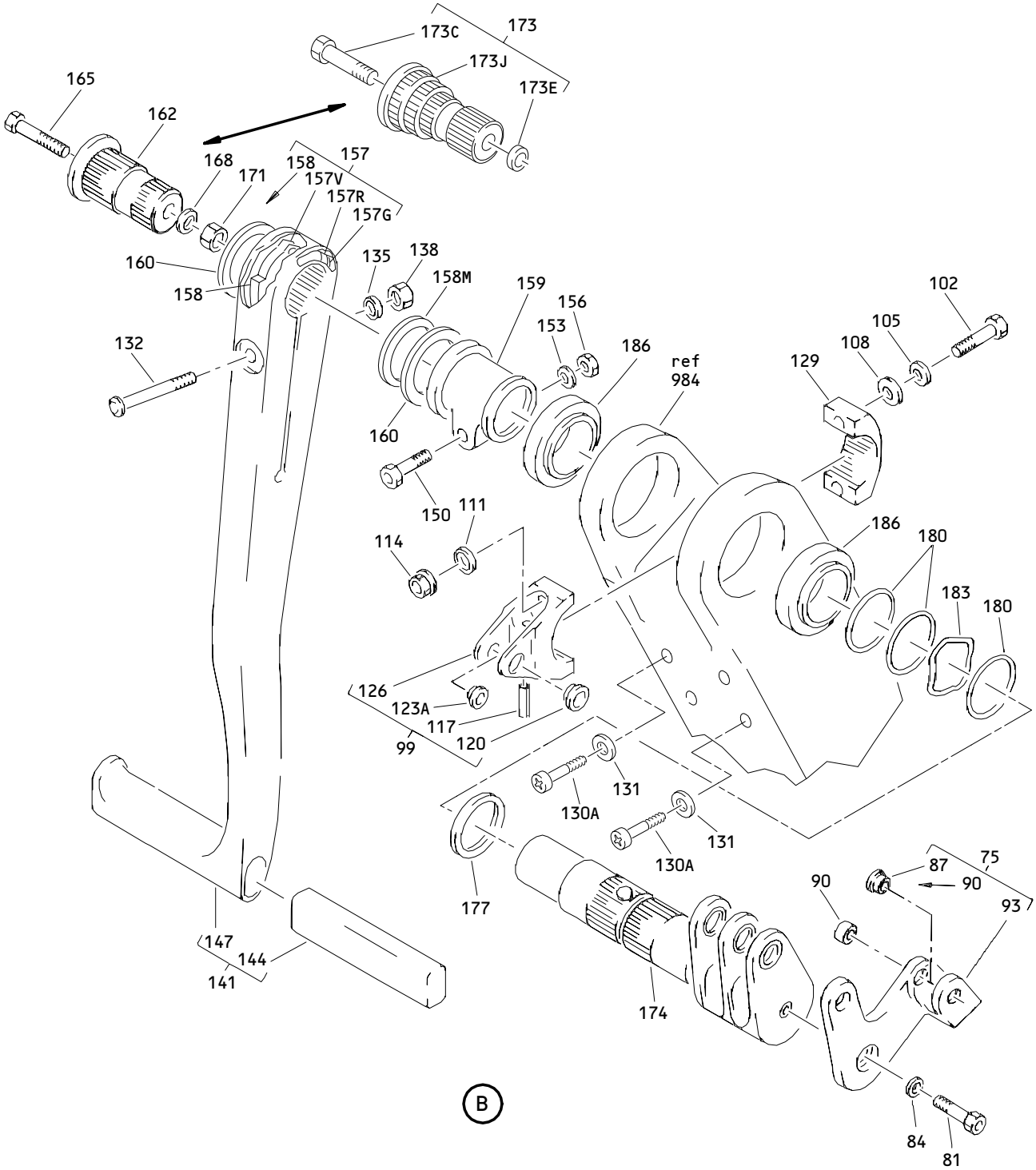


Forward Entry/Service Door Handle Mechanism Assembly
Figure 1 (Sheet 1)



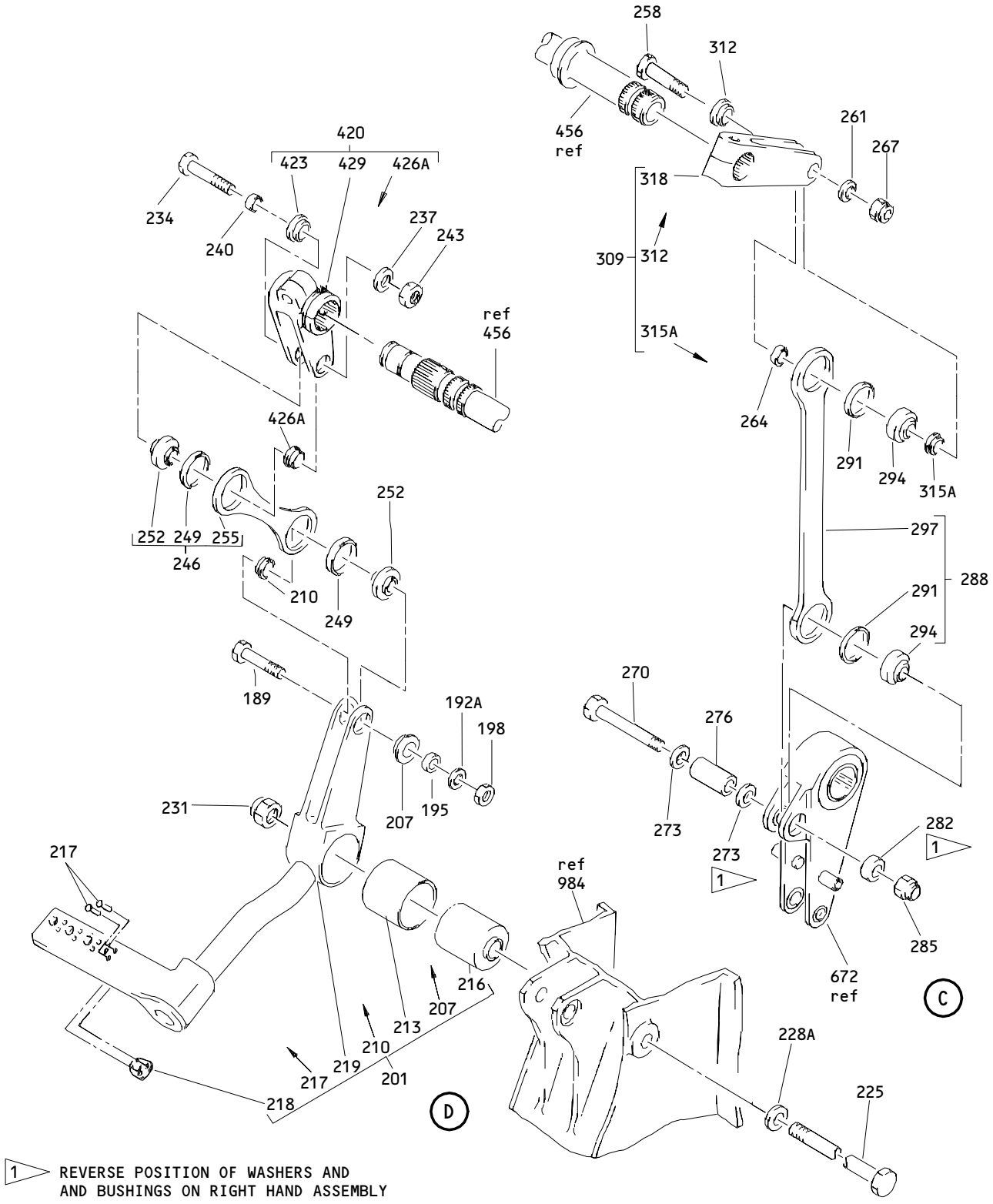
Forward Entry/Service Door Handle Mechanism Assembly
Figure 1 (Sheet 2)

T65127



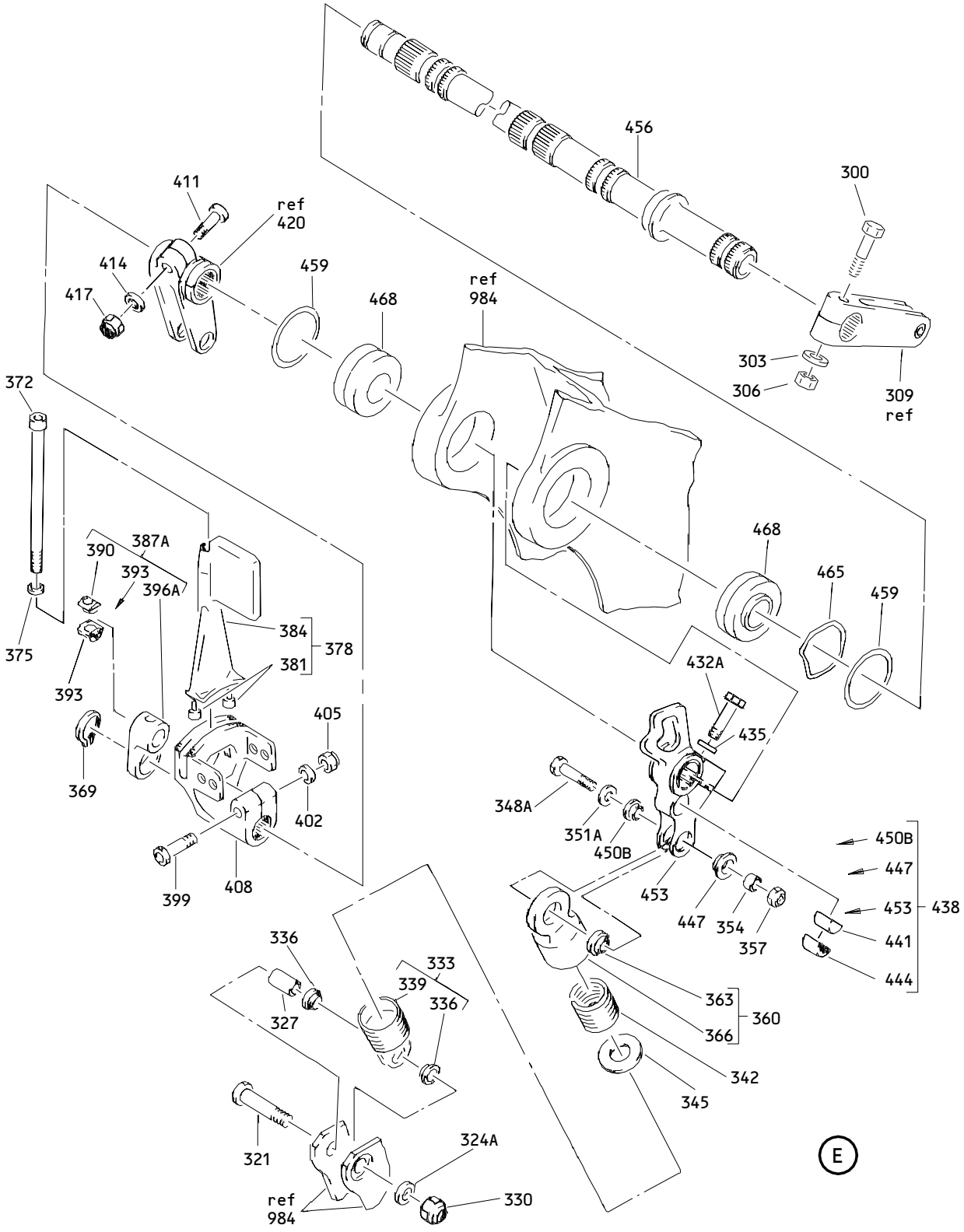
Forward Entry/Service Door Handle Mechanism Assembly
Figure 1 (Sheet 3)

T65128

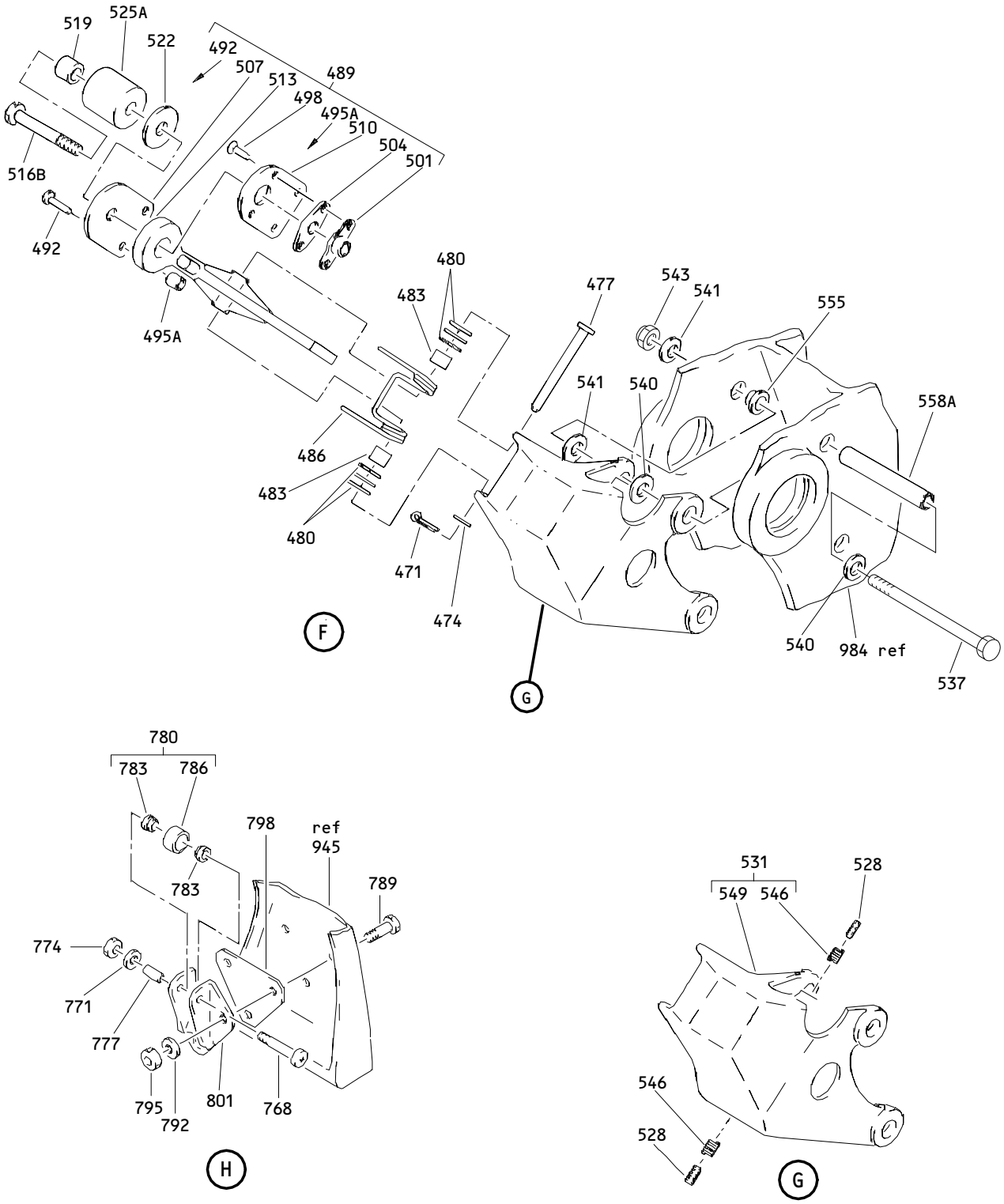


Forward Entry/Service Door Handle Mechanism Assembly
Figure 1 (Sheet 4)

T65129

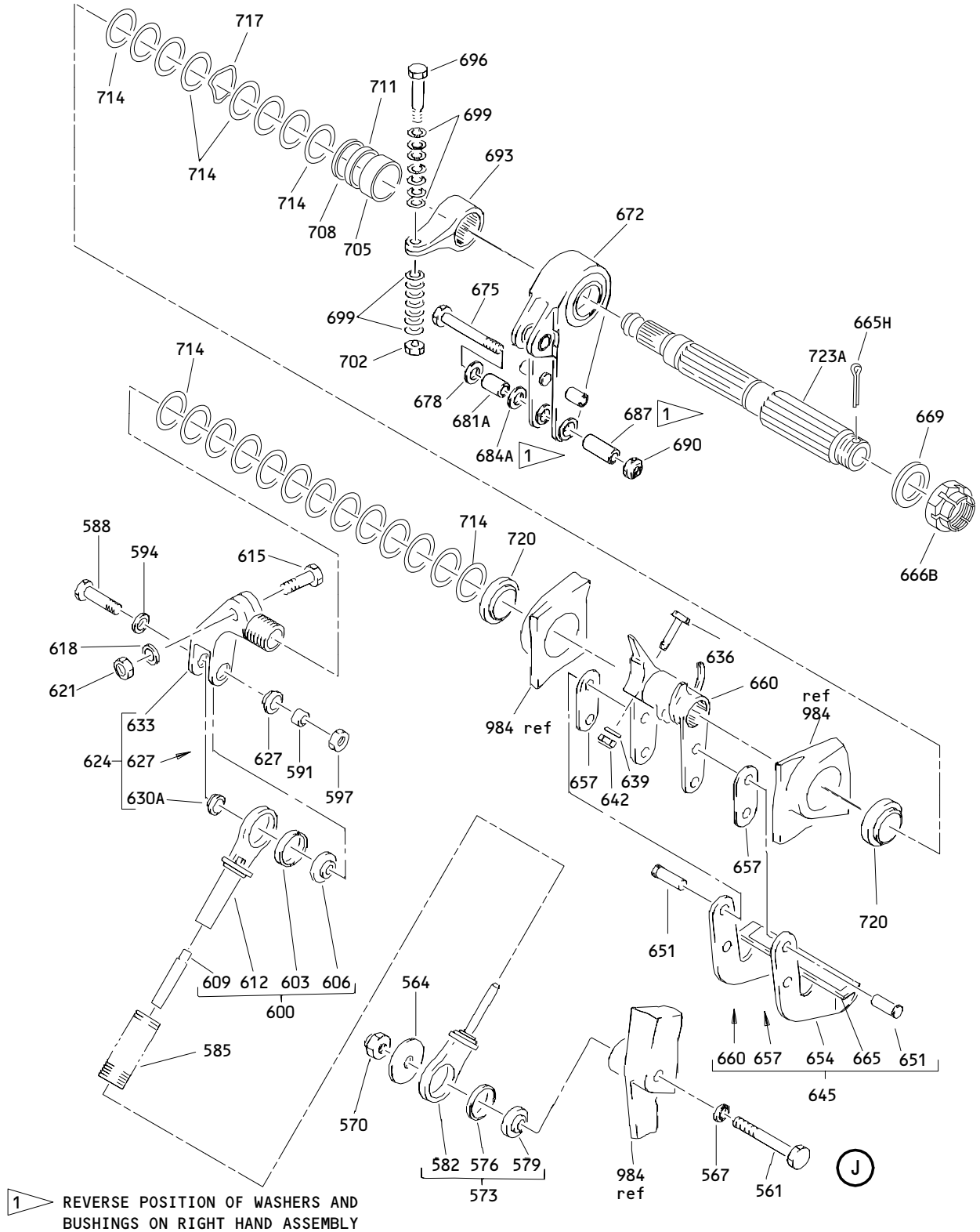


Forward Entry/Service Door Handle Mechanism Assembly
Figure 1 (Sheet 5)



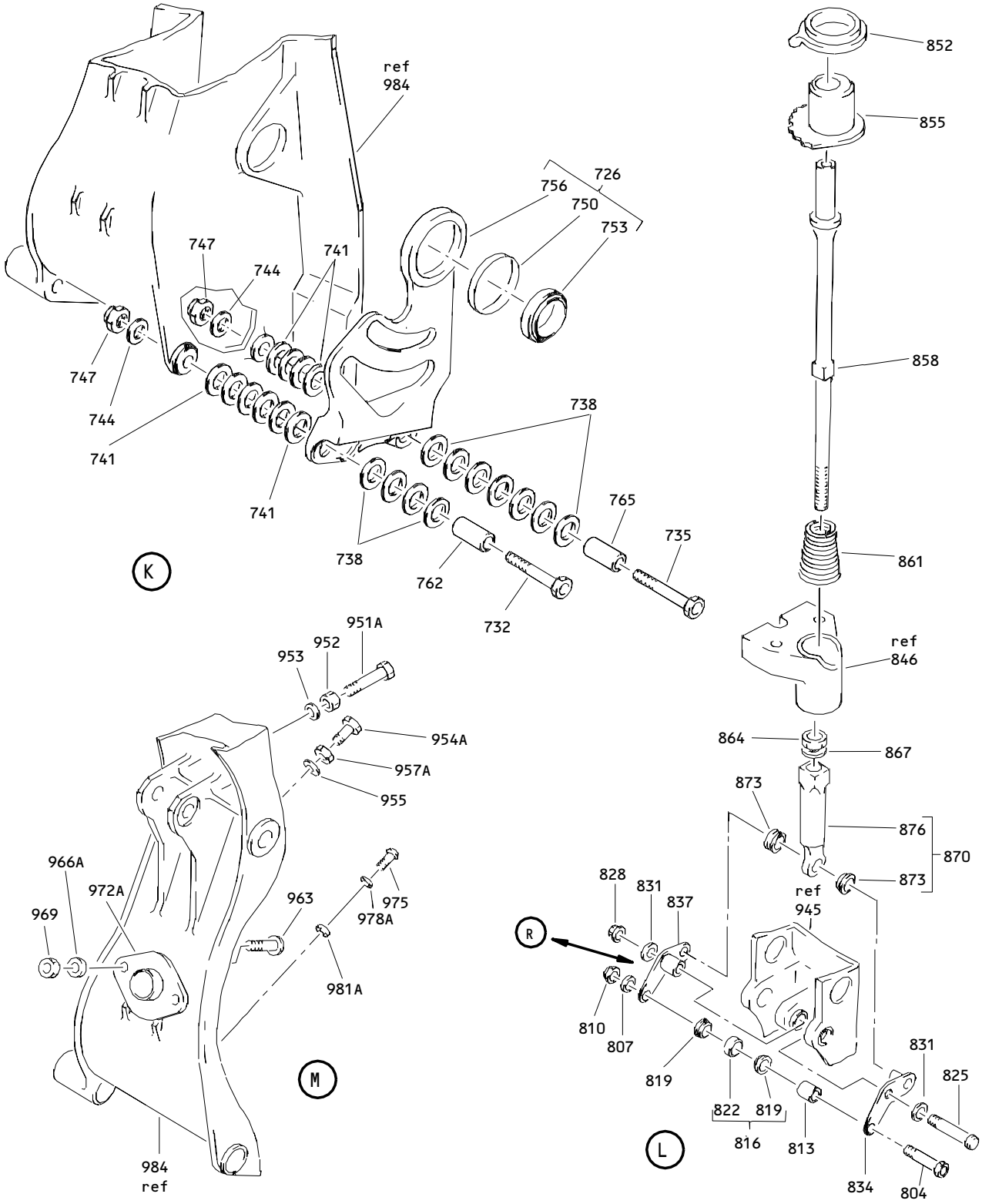
Forward Entry/Service Door Handle Mechanism Assembly
Figure 1 (Sheet 6)

T65131



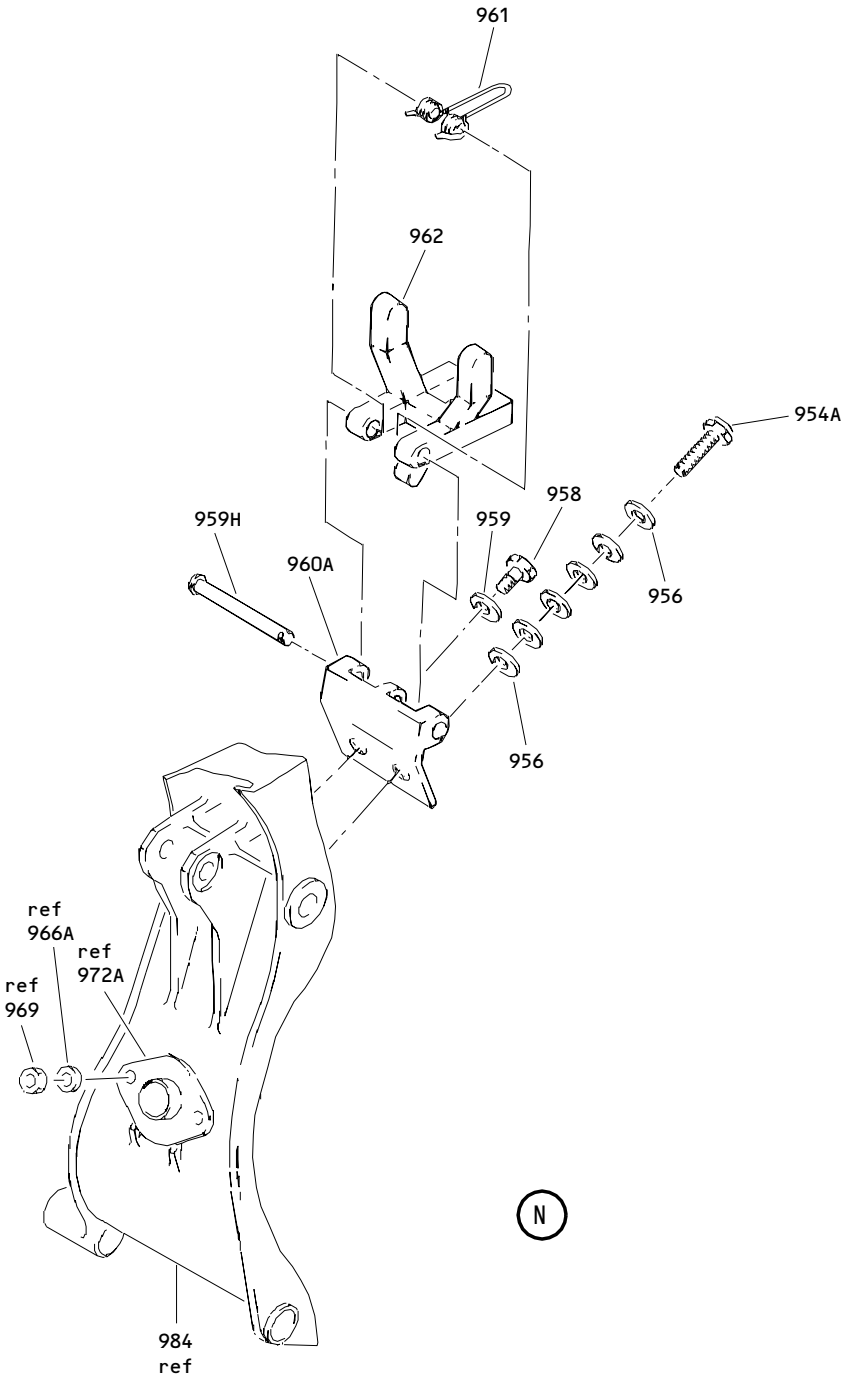
Forward Entry/Service Door Handle Mechanism Assembly
Figure 1 (Sheet 7)

T65132



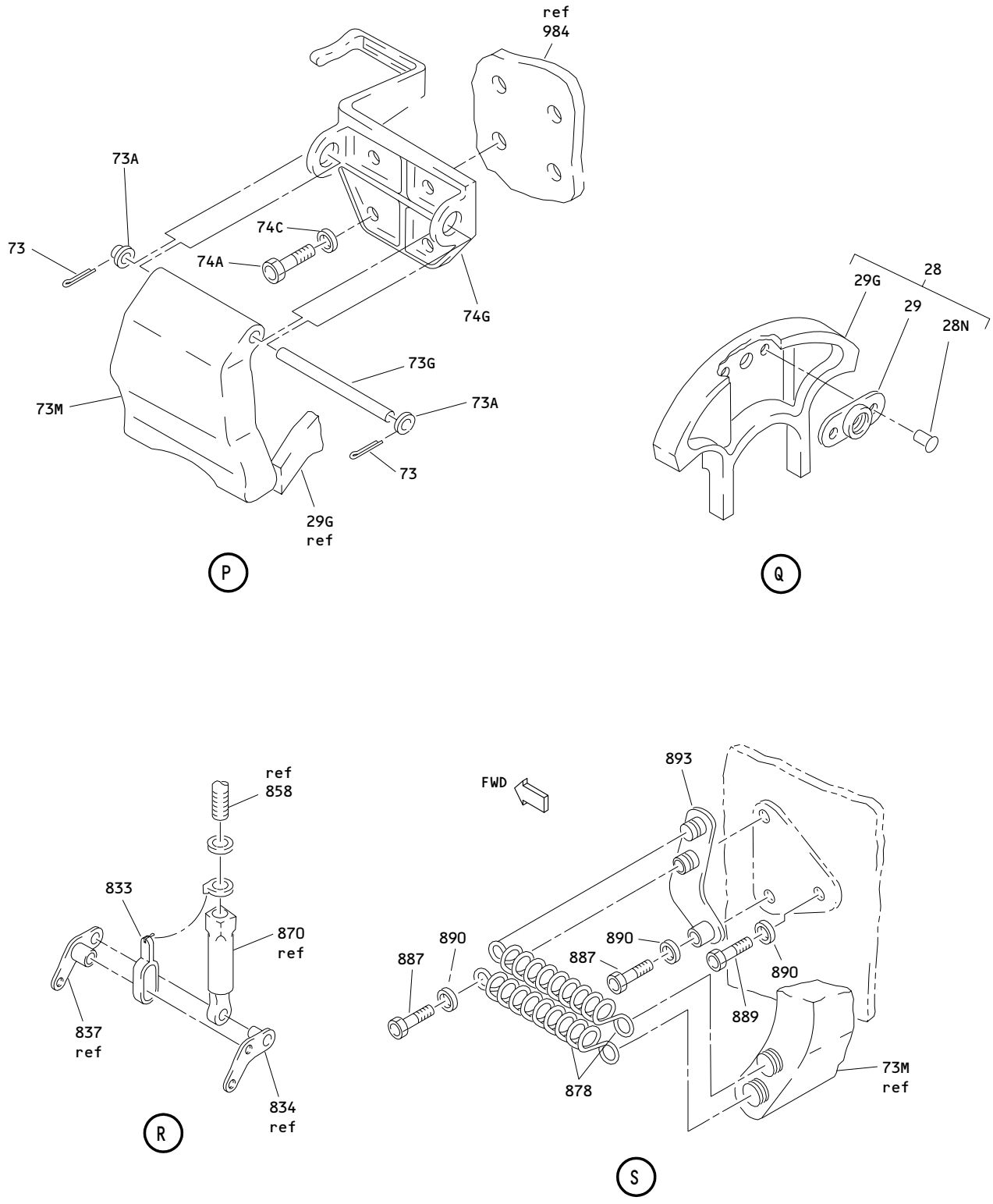
Forward Entry/Service Door Handle Mechanism Assembly
Figure 1 (Sheet 8)

T65133



Forward Entry/Service Door Handle Mechanism Assembly
Figure 1 (Sheet 9)

U11353



Forward Entry/Service Door Handle Mechanism Assembly
Figure 1 (Sheet 10)

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	-1	141T6136-3		MECHANISM ASSY-FWD ENTRY AND SVCE DOOR HANDLE (LH) (PRE SB 767-52-0058)	A	RF
R	-1A	141T6136-7		MECHANISM ASSY-FWD ENTRY AND SVCE DOOR HANDLE (LH) (PRE SB 767-52-0058)	B	RF
	-1B	141T6136-19		DELETED		
R	-1C	141T6136-23		MECHANISM ASSY-FWD ENTRY AND SVCE DOOR HANDLE (LH) (PRE SB 767-52-0058)	E	RF
	-1D	141T6136-29		MECHANISM ASSY-FWD ENTRY AND SVCE DOOR HANDLE (LH) (POST SB 767-52-0058)	G	RF
	-1E	141T6136-33		MECHANISM ASSY-FWD ENTRY AND SVCE DOOR HANDLE (LH) (POST SB 767-52-0058)	H	RF
	-1F	141T6136-51		MECHANISM ASSY-FWD ENTRY AND SVCE DOOR HANDLE (LH)	L	RF
	-1G	141T6136-55		MECHANISM ASSY-FWD ENTRY AND SVCE DOOR HANDLE (LH) (FOR DETAILS SEE FIG. 9)	N	RF
	-1H	141T6136-59		MECHANISM ASSY-FWD ENTRY AND SVCE DOOR HANDLE (LH)	P	RF
R	-3	141T6136-4		MECHANISM ASSY-FWD ENTRY AND SVCE DOOR HANDLE (RH) (PRE SB 767-52-0058)	C	RF
R	-3A	141T6136-8		MECHANISM ASSY-FWD ENTRY AND SVCE DOOR HANDLE (RH) (PRE SB 767-52-0058)	D	RF
	-3B	141T6136-20		DELETED		
R	-3C	141T6136-24		MECHANISM ASSY-FWD ENTRY AND SVCE DOOR HANDLE (RH) (PRE SB 767-52-0058)	F	RF
	-3D	141T6136-30		MECHANISM ASSY-FWD ENTRY AND SVCE DOOR HANDLE (RH) (POST SB 767-52-0058)	J	RF
	-3E	141T6136-34		MECHANISM ASSY-FWD ENTRY AND SVCE DOOR HANDLE (RH) (POST SB 767-52-0058)	K	RF
	-3F	141T6136-52		MECHANISM ASSY-FWD ENTRY AND SVCE DOOR HANDLE (RH)	M	RF
	-3G	141T6136-60		MECHANISM ASSY-FWD ENTRY AND SVCE DOOR HANDLE (RH)	Q	RF
R	6	BACB30RF6P33		.BOLT	A,C	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	-6A	BACB30RF6P33		.BOLT-*(1) (LIMITED)	B,D-F	1
	-6B	BACB30LL6-33		.BOLT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-6C	BACB30LL6-33		.BOLT	G-M,P,Q	1
R	9	AN960-616		.WASHER	A-M,P,Q	1
R	12	BACB28AK06-021		.BUSHING	A-M,P,Q	2
R	15	NAS1805-6		.NUT	A-M,P,Q	1
R	18	BACB30NJ6K18		.BOLT	A,C	1
	-18A	BACB30NJ6K18		.BOLT-*(1) (LIMITED)	B,D-F	1
	-18B	BACB30LT6-18		.BOLT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-18C	BACB30LT6-18		.BOLT	G-M,P,Q	1
R	21	AN960-616		.WASHER	A-M,P,Q	1
R	24	BACB28AK06-028		.BUSHING	A-M,P,Q	1
R	27	BACN10JC6		.NUT	A,C	1
	-27A	BACN10JC6		.NUT-*(1) (LIMITED)	B,D-F	1
	-27B	MS21042L6		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-27C	MS21042L6		.NUT	G,J,L,M,P,Q	1
	28	141T6349-1		.CAM ASSY	G,J,L,M,P,Q	1
	-28G	141T6349-2		DELETED		
	28M	MS20427M4F		DELETED		
	28N	MS20427M4		..RIVET- (SIZE DETERMINE ON INST)	G,J,L,M,P,Q	2

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-29	K1001-6BAC		..NUTPLATE- (V15653) (SPEC BACN10JR6CM) (OPT NS103202SE064 (V80539)) (OPT VN102D1-064 (V92215)) (OPT 109A9201-6 (V72962)) (OPT T8089C624 (V11815))	G,J,L,M,P,Q	1
	29G	141T6349-3		..CAM BRACKET- (OPT ITEM 29H)	G,J,L,M,P,Q	1
	-29H	141T6349-7		..FITTING- (OPT ITEM 29G)	G,J,L,M,P,Q	1
	-29M	141T6349-4		DELETED		
	-29N	141T6349-8		DELETED		
R	30	141T6196-3		.LUG ASSY- (OPT ITEM 30A)	A-K	1
R	-30A	141T6196-5		.LUG ASSY- (OPT ITEM 30)	A-K	1
	-30B	141T6196-3		.LUG ASSY	L,M,P,Q	1
R	33	141T6521-1		..RING-SWAGE	A-M,P,Q	1
R	36	ASR6-30		..BEARING- (VS0352) (SPEC BACB10CK6)	A-M,P,Q	1
R	39	141T6196-2		..LUG- (USED ON ITEMS 30, 30B)	A-M,P,Q	1
R	-39A	141T6196-4		..LUG- (USED ON ITEM 30A)	A-K	1
R	42	BACB30NM6K12		.BOLT	A-M,P,Q	1
R	45	AN960-616		.WASHER	A-M,P,Q	1
R	48	BACB30MT6K25		.BOLT	A,C	1
	-48A	BACB30MT6K25		.BOLT-*(1) (LIMITED)	B,D-F	1
	-48B	BACB30LE6U25		.BOLT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-48C	BACB30LE6U25		.BOLT	G-M,P,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	51	K29913-6S		.WASHER- (V15653) (SPEC BACW10CA6CCS) (OPT 70189-6S (V56878)) (OPT 922006-6 (V60119)) (OPT 942006-6 (V60119))	A-M,P,Q	1
R	54	K29646-6S		.WASHER- (V15653) (SPEC BACW10CA6CVS) (OPT 70186-6S (V56878)) (OPT 922005-6 (V60119)) (OPT 942005-6 (V60119))	A-M,P,Q	1
R	57	141T6197-1		.LUG ASSY	A-M,P,Q	1
R	60	LH8065-064		..NUT- (V72962) (SPEC BACN10HC6) (OPT SL414-6 (V97393)) (OPT 94263-624 (V56878))	A-M,P,Q	2
R	63	SLR4027-6		..RETAINER- (V97393) (SPEC BACR10V6) (OPT 2452-064RET (V72962))	A-M,P,Q	2
R	66	141T6521-1		..RING-SWAGE	A-M,P,Q	1
R	69	ASR6-30		..BEARING- (VS0352) (SPEC BACB10CK6)	A-M,P,Q	1
R	72	141T6197-2		..LUG	A-M,P,Q	1
	73	MS24665-304		.PIN-COTTER	G,J,L,M,P,Q	2
	73A	AN960C716L		.WASHER	G,J,L,M,P,Q	2

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	73G	143T6152-3		.PIN	G,J,L,M,P,Q	1
	73M	141T6348-1		.IDLER ASSY- (FOR DETAILS SEE FIG. 7)	G,L,P	1
	-73P	141T6348-2		.IDLER ASSY- (FOR DETAILS SEE FIG. 7)	J,M,Q	1
	74	BACB30NM4K12		DELETED		
	74A	BACB30NM4K6		.BOLT	G,J,L,M,P,Q	4
	74C	AN960C416L		.WASHER	G,J,L,M,P,Q	4
	74G	143T6156-19		.BRACKET ASSY-CAM (FOR DETAILS SEE FIG. 8)	G,L,P	1
	-74J	143T6156-20		.BRACKET ASSY-CAM (FOR DETAILS SEE FIG. 8)	J,M,Q	1
R	75	141T6202-1		.ADAPTER ASSY	A,B,E,G,H,L,P	1
R	-78	141T6202-2		.ADAPTER ASSY	C,D,F,J,K,M,Q	1
				ATTACHING PARTS		
R	81	BACB30NF4-1		.BOLT	A-M,P,Q	1
R	84	BACW10P115S		.WASHER	A-M,P,Q	1
				-------*-------		
R	87	BACB28X4E015		..BUSHING	A-M,P,Q	1
R	90	BACB28Y6E036		..BUSHING	A-M,P,Q	1
R	93	141T6202-3		..ADAPTER	A,B,E,G,H,L,P	1
R	-96	141T6202-4		..ADAPTER	C,D,F,J,K,M,Q	1
R	99	141T6227-1		.LEVER ASSY	A-M,P,Q	1
				ATTACHING PARTS		
R	102	NAS6604-17		.BOLT	A-M,P,Q	2

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	105	K29913-104NF		.WASHER- (V15653) (SPEC BACW10CA104CCU) (OPT 70191-104U (V56878)) (OPT 922010-4 (V60119)) (OPT 942010-4 (V60119))	A-M,P,Q	2
R	108	K29646-104NF		.WASHER- (V15653) (SPEC BACW10CA104CVU) (OPT 70188-104U (V56878)) (OPT 922009-4 (V60119)) (OPT 942009-4 (V60119))	A-M,P,Q	2
R	111	AS46-4		.WASHER- (V10630) (SPEC BACW10AU4) (OPT K19701P4 (V15653)) (OPT 53488W428 (V56878)) (OPT 6073-04 (V72962)) (OPT TLN1020L4W (V08524))	A-M,P,Q	2
R	114	H19700P4		.NUT- (V15653) (SPEC BACN10MT4) (OPT TLN1020-4N (V08524)) (OPT 52LH6073-048 (V72962)) (OPT 53488-428 (V56878)) -------*-------	A-M,P,Q	2
R	117	MS16562-252		..PIN-SPR	A-M,P,Q	1
R	120	BACB28X6M010		..BUSHING	A-M,P,Q	1
	123	BACB28X4C014		DELETED		

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	123A	BACB28X4C010		..BUSHING	A-M,P,Q	1
R	126	141T6227-2		..LEVER	A-M,P,Q	1
R	129	141T6222-1		.CAP	A-M,P,Q	1
	130	NAS1801-4-5		DELETED		
	130A	NAS1801-4-16		.BOLT	H,K	4
	131	NAS1149C0432R		.WASHER	H,K	4
R	132	HL1012AZ8-28		.BOLT- (VOPTK6) (SPEC BACB30NX8K28) (OPT HL12VAZ8-28 (V73197)) (OPT HL12VAZ8-28 (V92215)) (OPT HL12VAZ8-28 (V97928)) (OPT L802-8K28 (V06725)) (OPT HL12VAZ8-28 (V56878)) (OPT HL1012AZ8-28 (V06725)) (OPT HL1012AZ8-28 (V06950)) (OPT HL1012AZ8-28 (V17446)) (OPT HL1012AZ8-28 (V56878)) (OPT HL1012AZ8-28 (V60516)) (OPT HL1012AZ8-28 (V73197)) (OPT HL1012AZ8-28 (V97928))	A-F,H,K	1
R	135	AN960-416L		.WASHER	A-F,H,K	1
R	138	NAS1805-4N		.NUT	A-F,H,K	1
R	141	141T6160-1		.HANDLE ASSY	A-F,H,K	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	-141A	143T6150-2		.HANDLE ASSY- (FOR DETAILS SEE FIG. 6)	G,L,P	1
	-142	143T6150-1		.HANDLE ASSY- (FOR DETAILS SEE FIG. 6)	J,M,Q	1
R	144	141T6160-3		..FILLER	A-F,H,K	1
R	147	141T6160-2		..HANDLE	A-F,H,K	1
R	150	BACB30NM4K14		.BOLT	A-M,P,Q	1
R	153	AN960-416		.WASHER	A-M,P,Q	1
R	156	BACN10JC4		.NUT	A,C	1
	-156A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	1
	-156B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-156C	MS21042L4		.NUT	G-M,P,Q	1
R	157	143T6155-1		.CLUTCH ASSY-*(6)	G,J	1
R	-157A	143T6155-5		.CLUTCH ASSY-*(6)	L,M,P,Q	1
	157B	NAS1352N4-24P		DELETED		
	-157C	NAS1352C4-24		DELETED		
	-157D	NAS1352C4-24P		DELETED		
	-157E	NAS1352C4-28		DELETED		
	157F	NAS43HT4-4		DELETED		
	157G	NAS1351N4-24P		..SCREW- (OPT ITEM 157J)	G,J,L,M,P,Q	1
	157H	SLR4027-4		DELETED		
	-157J	NAS1351C4-24P		..SCREW- (OPT ITEM 157G)	G,J,L,M,P,Q	1
	157K	LH8065-048		DELETED		
	157R	NAS43HT4-4		..SPACER	G,J,L,M,P,Q	1
	157V	LH8065-048		..NUT- (V72962) (SPEC BACN10HC4) (OPT SL414-4 (V97393)) (OPT 94263-428 (V56878))	G,J,L,M,P,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	158	143T6155-2		..CLUTCH- (OPT ITEM 158C)	G,J	1
	-158A	143T6155-6		..CLUTCH- (OPT ITEM 158B)	L,M,P,Q	1
	-158B	143T6155-7		..CLUTCH- (OPT ITEM 158A)	L,M,P,Q	1
	-158C	143T6155-4		..FITTING- (OPT ITEM 158)	G,J	1
	158M	143T6157-1		.SPACER	G,J,L,M,P,Q	1
R	159	141T6215-1		.SPACER	A-F,H,K	1
	-159A	141T6215-3		.SPACER	G,J,L,M,P,Q	1
	160	B542DDFSS428		.BEARING- (V21335) (SPEC BACB10CF21PP) (OPT B542-2TS (V43991)) (OPT B542SSG27 (V30163)) (OPT T342E (VK8455)) (OPT B542DDFS101 (V06144)) (OPT B542DD (V38443)) (OPT B542FS101 (V06144))	G,J,L,M,P,Q	2
R	162	141T6223-1		.ADAPTER	A-F,H,K	1
	-162A	141T6223-2		DELETED		
R	165	NAS1351-5-24P		.SCREW	A-F,H,K	1
R	168	AN960-516		.WASHER	A-F,H,K	1
R	171	BACN10JC5		.NUT	A,C	1
	-171A	BACN10JC5		.NUT-*(1) (LIMITED)	B,D-F	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	-171B	MS21042L5		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-171C	MS21042L5		.NUT	H,K	1
	173	141T6223-2		.ADAPTER ASSY	G,J,L,M,P,Q	1
	173C	NAS1351-5-24P		..SCREW	G,J,L,M,P,Q	1
	173E	AN960-516		..WASHER	G,J,L,M,P,Q	1
	-173G	MS21042L5		..NUT	G,J,L,M,P,Q	1
	173J	141T6223-3		..ADAPTER	G,J,L,M,P,Q	1
R	174	141T6221-1		.SHAFT ASSY- (FOR DETAILS SEE FIG. 2)	A-M,P,Q	1
R	177	141T6225-1		.WASHER	A-M,P,Q	1
R	180	141T6203-1		.WASHER	A-M,P,Q	3
R	183	141T6203-2		.SPRING	A-M,P,Q	1
R	186	KP21B		.BEARING- (V38443) (SPEC BACB10BW21) (OPT KP21B2TS (V43991)) (OPT LLKP21B (V38443)) (OPT KP21BG27 (V30163)) (OPT KP21BFS428 (V21335)) (OPT KP21BLY196 (V40920)) (OPT KP21BSD610 (V83086))	A-M,P,Q	2

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	189	BACB30NR4K12		.BOLT	A-M,P,Q	1
	192	AN960PD416		DELETED		
	192A	AN960KD416		.WASHER- (OPT ITEM 192B)	A-K	1
	-192B	B0500-038S		.WASHER- (V83553) (OPT ITEM 192A)	A-K	1
	-192C	AN960KD416		.WASHER	L,M,P,Q	1
R	195	BACB28AK04-027		.BUSHING	A-M,P,Q	1
R	198	BACN10JC4		.NUT	A,C	1
	-198A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	1
	-198B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-198C	MS21042L4		.NUT	G-M,P,Q	1
R	201	141T6271-1		.LEVER ASSY- (OPT ITEMS 201A, 201B)	A,B,E,G,H	1
R	-201A	141T6271-25		.LEVER ASSY- (OPT ITEMS 201, 201B)	A,B,E,G,H	1
R	-201B	141T6271-31		.LEVER ASSY- (OPT ITEMS 201, 201A)	A,B,E,G,H	1
	-201C	141T6271-31		.LEVER ASSY	L,P	1
R	-204	141T6271-2		.LEVER ASSY- (OPT ITEMS 204A, 204B)	C,D,F,J,K	1
R	-204A	141T6271-26		.LEVER ASSY- (OPT ITEMS 204, 204B)	C,D,F,J,K	1
R	-204B	141T6271-32		.LEVER ASSY- (OPT ITEMS 204, 204A)	C,D,F,J,K	1
	-204C	141T6271-32		.LEVER ASSY	M,Q	1
R	207	BACB28X6M012		..BUSHING	A-M,P,Q	1
R	210	BACB28X4C015		..BUSHING	A-M,P,Q	1
R	213	141T6521-3		..SLEEVE	A-M,P,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	216	GDW6SD610		..BEARING- (V83086) (SPEC BACB10CG6) (OPT GDW6TT (V43991)) (OPT DW6-1 (V38443)) (OPT GDW6FS428 (V21335))	A-M,P,Q	1
	217	BACR15BA3AD		..RIVET- (SIZE DETERMINE ON INST) (USED ON ITEMS 201B, 201C, 204B, 204C)	A-M,P,Q	8
R	218	BRM300A08		..NUTPLATE- (V52828) (SPEC BACN10JP08C) (OPT MK3000-08BAC (V15653)) (OPT NS103199-82 (V80539)) (OPT RMA9205M82 (V72962)) (OPT T8078S832 (V11815)) (OPT VN203A1-82 (V92215)) (USED ON ITEMS 201B, 201C, 204B, 204C)	A-M,P,Q	4
R	219	141T6271-3		..LEVER- (USED ON ITEMS 201, 201B, 201C)	A,B,E,G,H,L,P	1
R	-219A	141T6271-27		..LEVER- (USED ON ITEM 201A)	A,B,E	1
R	-222	141T6271-4		..LEVER- (USED ON ITEMS 204, 204B, 204C)	C,D,F,J,K,M,Q	1
R	-222A	141T6271-28		..LEVER- (USED ON ITEM 204A)	C,D,F	1
R	225	BACB30NM6K70		.BOLT	A-M,P,Q	1
	228	AN960PD616		DELETED		
	228A	AN960KD616		.WASHER	A-M,P,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	231	BACN10JC6		.NUT	A,C	1
	-231A	BACN10JC6		.NUT-*(1) (LIMITED)	B,D-F	1
	-231B	MS21042L6		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-231C	MS21042L6		.NUT	G-M,P,Q	1
R	234	BACB30NR4K11		.BOLT	A-M,P,Q	1
R	237	AN960-416L		.WASHER	A-M,P,Q	1
R	240	BACB28AK04-026		.BUSHING	A-M,P,Q	1
R	243	BACN10JC4		.NUT	A,C	1
	-243A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	1
	-243B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-243C	MS21042L4		.NUT	G-M,P,Q	1
R	246	141T6277-2		.LINK ASSY	A-M,P,Q	1
R	249	69-38919-35		..SLEEVE- (MFD FROM AL SH 6061-O QQ-A-250/11 F25.01 OPTL AL TUBING 6061-O WW-T-700/6 .063IN .3741N) (OPT ITEM 249A)	A-M,P,Q	2
R	-249A	69-38919-58		..SLEEVE- (MFD FROM 6061-O SHT PER QQ-A-250/11 OR 6061-O TUBING PER WW-T-700/6 OPTIONAL MATERIAL - 6061-T6 ROD PER QQ-A-225/8, ANNEAL TO 6061-O AFTER MACHINING) (OPT ITEM 249)	A-M,P,Q	2

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	252	KSP4A		..BEARING- (V38443) (SPEC BACB10AC4A) (OPT HHKSP4A (V38443)) (OPT KSP4AE944OA (V21335)) (OPT KSP4AFS428 (V21335)) (OPT KSP4A2TS (V43991)) (OPT KSP4AG27 (V30163)) (OPT 4AFS428 (V21335))	A-M,P,Q	2
R	255	141T6277-4		..LINK	A-M,P,Q	1
R	258	BACB30NR4K11		.BOLT	A-M,P,Q	1
R	261	AN960-416L		.WASHER	A-M,P,Q	1
R	264	BACB28AK04-026		.BUSHING	A-M,P,Q	1
R	267	BACN10JC4		.NUT	A,C	1
	-267A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	1
	-267B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-267C	MS21042L4		.NUT	G-M,P,Q	1
R	270	BACB30NR4K26		.BOLT	A-M,P,Q	1
R	273	AN960-416L		.WASHER	A-M,P,Q	2
R	276	BACB28Y4C089		.BUSHING	A-M,P,Q	1
	279	AN960PD416L		DELETED		
R	282	BACB28AK04-027		.BUSHING	A-M,P,Q	1
R	285	BACN10JC4		.NUT	A,C	1
	-285A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	-285B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-285C	MS21042L4		.NUT	G-M,P,Q	1
R	288	141T6277-1		.LINK ASSY	A-M,P,Q	1
R	291	69-38919-35		..SLEEVE- (MFD FROM AL SH 6061-O QQ-A-250/11 F25.01 OPTL AL TUBING 6061-O WW-T-700/6 .063IN .374IN) (OPT ITEM 291A)	A-M,P,Q	2
R	-291A	69-38919-58		..SLEEVE- (MFD FROM 6061-O SHT PER QQ-A-250/11 OR 6061-O TUBING PER WW-T-700/6 OPTIONAL MATERIAL - 6061-T6 ROD PER QQ-A-225/8, ANNEAL TO 6061-O AFTER MACHINING) (OPT ITEM 291)	A-M,P,Q	2
R	294	KSP4A		..BEARING- (V38443) (SPEC BACB10AC4A) (OPT HHKSP4A (V38443)) (OPT KSP4AE9440A (V21335)) (OPT KSP4AFS428 (V21335)) (OPT KSP4A2TS (V43991)) (OPT KSP4AG27 (V30163)) (OPT 4AFS428 (V21335))	A-M,P,Q	2
R	297	141T6277-3		..LINK	A-M,P,Q	1
R	300	BACB30NM4K14		.BOLT	A-M,P,Q	1
R	303	AN960-416L		.WASHER	A-M,P,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	306	BACN10JC4		.NUT	A,C	1
	-306A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	1
	-306B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-306C	MS21042L4		.NUT	G-M,P,Q	1
R	309	141T6194-1		.LEVER ASSY	A-M,P,Q	1
R	312	BACB28X6M010		..BUSHING	A-M,P,Q	1
	315	BACB28X4C012		DELETED		
	315A	BACB28X4C011		..BUSHING	A-M,P,Q	1
R	318	141T6194-2		..LEVER	A-M,P,Q	1
R	321	BACB30NR4K16		.BOLT	A-M,P,Q	1
	324	AN960PD416		DELETED		
	324A	AN960KD416		.WASHER- (OPT ITEM 324B)	A-K	1
	-324B	B0500-038S		.WASHER- (V83553) (OPT ITEMS 324A)	A-K	1
	-324C	AN960KD416		.WASHER	L,M,P,Q	1
	327	BACB28AK04-075		.BUSHING	A-M,P,Q	1
	327A	BACB28AK04-070		DELETED		
R	330	BACN10JC4		.NUT	A,C	1
	-330A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	1
	-330B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-330C	MS21042L4		.NUT	G-M,P,Q	1
R	333	69B13067-7		.HOUSING ASSY	A-M,P,Q	1
R	336	141T6287-15		..BUSHING	A-M,P,Q	2
R	339	69B13067-6		..HOUSING	A-M,P,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	342	69B14846-2		.SPRING	A-M,P,Q	1
R	345	BACW10P121C		.WASHER	A-M,P,Q	AR
	348	BACB30NR4K16		DELETED		
R	348A	BACB30NR4K11		.BOLT	A-M,P,Q	1
	351	AN960PD416		DELETED		
	351A	AN960KD416		.WASHER- (OPT ITEM 351B)	A-K	1
	-351B	B0500-038S		.WASHER- (V83553) (OPT ITEM 351A)	A-K	1
	-351C	AN960PD416		.WASHER	L,M,P,Q	1
R	354	BACB28AK04-026		.BUSHING	A-M,P,Q	1
R	357	BACN10JC4		.NUT	A,C	1
	-357A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	1
	-357B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-357C	MS21042L4		.NUT	G-M,P,Q	1
R	360	69B13060-7		.PISTON ASSY	A-M,P,Q	1
R	363	KSP4A		..BEARING- (V38443) (SPEC BACB10AC4A) (OPT HHKSP4A (V38443)) (OPT KSP4AE9440A (V21335)) (OPT KSP4AFS428 (V21335)) (OPT KSP4A2TS (V43991)) (OPT KSP4AG27 (V30163)) (OPT 4AFS428 (V21335))	A-M,P,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	366	69B13060-8		..PISTON	A-M,P,Q	1
R	369	MS16624-1062		.RING	A-M,P,Q	1
R	372	NAS1351-4-76P		.SCREW	A-M,P,Q	1
R	375	NAS43HT4-4		.SPACER	A-M,P,Q	1
R	378	141T6249-1		.HANDLE ASSY	A-D,G,J,L,M	1
	-378A	141T6249-5		DELETED		
R	-378B	141T6249-6		.HANDLE ASSY	E,F,H,K,P,Q	1
R	381	141T6249-4		..PIN	A-M,P,Q	2
R	384	141T6249-3		..HANDLE	A-M,P,Q	1
	387	141T6248-1		DELETED		
R	387A	141T6248-3		.LEVER ASSY- (OPT ITEM 387B)	A-K	1
R	-387B	141T6248-5		.LEVER ASSY- (OPT ITEM 387A)	A-K	1
	-387C	141T6248-5		.LEVER ASSY	L,M,P,Q	1
R	390	LH8065-048		..NUT- (V72962) (SPEC BACN10HC4) (OPT SL414-4 (V97393)) (OPT 94263-428 (V56878))	A-M,P,Q	1
R	393	SLR4027-4		..RETAINER- (V97393) (SPEC BACR10V4) (OPT 2452-048RET (V72962))	A-M,P,Q	1
	396	141T6248-2		DELETED		
R	396A	141T6248-4		..LEVER- (USED ON ITEM 387A)	A-K	1
R	-396B	141T6248-6		..LEVER- (USED ON ITEMS 387B, 387C)	A-M,P,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	399	BACB30NM4K14		.BOLT	A-M,P,Q	1
R	402	AN960-416L		.WASHER	A-M,P,Q	1
R	405	BACN10JC4		.NUT	A,C	1
	-405A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	1
	-405B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-405C	MS21042L4		.NUT	G-M,P,Q	1
R	408	141T6220-1		.ADAPTER- (OPT ITEM 408A)	A-K	1
R	-408A	141T6220-3		.ADAPTER- (OPT ITEM 408)	A-K	1
	-408B	141T6220-3		.ADAPTER	L,M,P,Q	1
R	411	BACB30NM4K14		.BOLT	A-M,P,Q	1
R	414	AN960-416L		.WASHER	A-M,P,Q	1
R	417	BACN10JC4		.NUT	A,C	1
	-417A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	1
	-417B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-417C	MS21042L4		.NUT	G-M,P,Q	1
R	420	141T6193-1		.LEVER ASSY	A-M,P,Q	1
R	423	BACB28X6M010		..BUSHING	A-M,P,Q	1
	426	BACB28X4C012		DELETED		
R	426A	BACB28X4C011		..BUSHING	A-M,P,Q	1
R	429	141T6193-3		..LEVER	A-M,P,Q	1
	432	BACB30NM4K18		DELETED		
R	432A	BACB30NM4K14		.BOLT	A-M,P,Q	1
R	435	AN960-416L		.WASHER	A-M,P,Q	1
R	438	141T6652-2		.SECTOR ASSY	A-M,P,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	441	LH8065-048		..NUT- (V72962) (SPEC BACN10HC4) (OPT SL414-4 (V97393)) (OPT 94263-428 (V56878))	A-M,P,Q	1
R	444	SLR4027-4		..RETAINER- (V97393) (SPEC BACR10V4) (OPT 2452-048RET (V72962))	A-M,P,Q	1
R	447	BACB28X6M012		..BUSHING	A-M,P,Q	1
	450	BACB20X4C012		DELETED		
	450A	BACB28X4C012		DELETED		
	450B	BACB28X4C011		..BUSHING	A-M,P,Q	1
R	453	141T6652-5		..SECTOR	A-M,P,Q	1
R	456	141T6198-1		.SHAFT	A-M,P,Q	1
R	459	141T6203-5		.WASHER	A-M,P,Q	2
R	465	141T6203-6		.SPRING	A-M,P,Q	1
R	468	SAT1624A1501		.BEARING- (V77896)	A-M,P,Q	2
R	471	MS24665-134		.PIN-COTTER	A-M,P,Q	1
R	474	AN960-416L		.WASHER	A-M,P,Q	1
R	477	BACP18T4K72		.PIN-FLATHEAD (OPT ITEM 477A)	A-K	1
R	-477A	141T6231-2		.PIN- (OPT ITEM 477)	A-K	1
	-477B	BACP18T4K72		.PIN-FLATHEAD	L,M,P,Q	1
R	480	BACW10P321S		.WASHER	A-M,P,Q	AR
R	483	NAS72-4E005		.SPACER	A-M,P,Q	2

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	486	141T6650-1		.SPRING	A-M,P,Q	1
R	489	141T6651-1		.LEVER ASSY	A-M,P,Q	1
R	492	BACR15BB4B		..RIVET- (SIZE DETERMINE ON INST)	A-M,P,Q	2
	495	NAS42D4-24		DELETED		
R	495A	NAS42DD4-24		..SPACER	A-M,P,Q	2
R	498	BACR15BA3AD		..RIVET- (SIZE DETERMINE ON INST)	A-M,P,Q	2
R	501	BR2000C4M		..NUTPLATE- (V52828) (SPEC BACN10JR4CM) (OPT K1001-4BAC (V15653)) (OPT NS103202SE048 (V80539)) (OPT T8089C428 (V11815)) (OPT VN102D1-048 (V92215)) (OPT 109A9201-4 (V72962))	A-M,P,Q	1
R	504	295927-50		..SPACER- (V60119) (SPEC BACS18G50B)	A-M,P,Q	1
R	507	141T6651-4		..PLATE	A-M,P,Q	1
R	510	141T6651-5		..PLATE	A-M,P,Q	1
R	513	141T6651-2		..LEVER	A-M,P,Q	1
	516	NAS1351C4-24P		DELETED		
	-516A	141T6231-3		DELETED		
R	516B	NAS604-24P		.SCREW	A-M,P,Q	1
R	519	NAS43HT4-4		.SPACER	A-M,P,Q	1
R	522	BACW10P129AM		.WASHER	A-M,P,Q	AR
	525	141T6538-5		DELETED		
R	525A	141T6538-7		.BUTTON	A-D,G,J,L,M	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	-525B	141T6538-9		DELETED		
R	-525C	141T6538-10		.BUTTON	E,F,H,K,P,Q	1
R	528	MS18066-69		.SETSCREW- (OPT ITEM 528A)	A-M,P,Q	2
	-528A	MS51023-122		.SETSCREW- (OPT ITEM 528)	A-M,P,Q	2
	-528B	MS18066-69		DELETED		
R	531	141T6649-1		.SUPPORT ASSY	A,B,E,G,H,L,P	1
R	-534	141T6649-2		.SUPPORT ASSY	C,D,F,J,K,M,Q	1
				ATTACHING PARTS		
R	537	BACB30NM4K50		.BOLT- (OPT ITEM 537A)	A-K	2
R	-537A	NAS6604-50		.BOLT- (OPT ITEM 537)	A-K	2
	-537B	BACB30NM4K50		.BOLT	L,M,P,Q	2
R	540	AN960-416L		.WASHER	A-M,P,Q	4
	541	AN960-416L		.WASHER	A-M,P,Q	AR
R	543	BACN10JC4		.NUT	A,C	2
	-543A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	2
	-543B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	2
	-543C	MS21042L4		.NUT	G-M,P,Q	2
				-------*-------		
R	546	MS21209F4-15P		..INSERT	A-M,P,Q	2
R	549	141T6649-3		..SUPPORT	A,B,E,G,H,L,P	1
R	-552	141T6649-4		..SUPPORT	C,D,F,J,K,M,Q	1
R	555	BACB28X4M010		.BUSHING	A-M,P,Q	2

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	558	BACB28Y4C258		DELETED		
R	558A	BACB28AK04-258		.BUSHING	A-G,J	2
	-558B	BACB28AK04-248		.BUSHING	H,K-M,P,Q	2
R	561	BACB30NM4K25		.BOLT	A-M,P,Q	1
R	564	AN970-4		.WASHER	A-M,P,Q	1
R	567	AN960-416		.WASHER	A-M,P,Q	1
R	570	BACN10JC4		.NUT	A,C	1
	-570A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	1
	-570B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-570C	MS21042L4		.NUT	G-M,P,Q	2
R	573	141T6274-2		.GUIDE ASSY	A-M,P,Q	1
R	576	69-38919-35		..SLEEVE- (MFD FROM AL SH 6061-O QQ-A-250/11 F25.01 OPTL AL TUBING 6061-O WW-T-700/6 .063IN .374IN) (OPT ITEM 576A)	A-M,P,Q	1
R	-576A	69-38919-58		..SLEEVE- (MFD FROM 6061-O SHT PER QQ-A-250/11 OR 6061-O TUBING PER WW-T-700/6 OPTIONAL MATERIAL - 6061-T6 ROD PER QQ-A-225/8, ANNEAL TO 6061-O AFTER MACHINING) (OPT ITEM 576)	A-M,P,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	579	KSP4A		..BEARING- (V38443) (SPEC BACB10AC4A) (OPT HHKSP4A (V38443)) (OPT KSP4AE944OA (V21335)) (OPT KSP4AFS428 (V21335)) (OPT KSP4A2TS (V43991)) (OPT KSP4AG27 (V30163)) (OPT 4AFS428 (V21335))	A-M,P,Q	1
R	582	141T6274-4		..GUIDE	A-M,P,Q	1
R	585	141T6258-3		.SPRING	A-M,P,Q	1
R	588	BACB30NR4K10		.BOLT	A-M,P,Q	1
R	591	BACB28AK04-026		.BUSHING	A-M,P,Q	1
R	594	AN960-416		.WASHER	A-M,P,Q	1
R	597	BACN10JC4		.NUT	A,C	1
	-597A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	1
	-597B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-597C	MS21042L4		.NUT	G-M,P,Q	2
R	600	141T6274-1		.GUIDE ASSY	A-M,P,Q	1
R	603	69-38919-35		..SLEEVE- (MFD FROM AL SH 6061-O QQ-A-250/11 F25.01 OPTL AL TUBING 6061-O WW-T-700/6 .063IN .374IN) (OPT ITEM 603A)	A-M,P,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R	01- -603A	69-38919-58		..SLEEVE- (MFD FROM 6061-0 SHT PER QQ-A-250/11 OR 6061-0 TUBING PER WW-T-700/6 OPTIONAL MATERIAL - 6061-T6 ROD PER QQ-A-225/8, ANNEAL TO 6061-0 AFTER MACHINING) (OPT ITEM 603)	A-M,P,Q	1
R	606	KSP4A		..BEARING- (V38443) (SPEC BACB10AC4A) (OPT HHKSP4A (V38443)) (OPT KSP4AE9440A (V21335)) (OPT KSP4AFS428 (V21335)) (OPT KSP4A2TS (V43991)) (OPT KSP4AG27 (V30163)) (OPT 4AFS428 (V21335))	A-M,P,Q	1
R	609	141T6274-5		..BUSHING	A-M,P,Q	1
R	612	141T6274-3		..HOUSING	A-M,P,Q	1
R	615	BACB30NM4K12		.BOLT	A-M,P,Q	1
R	618	AN960-416		.WASHER	A-M,P,Q	1
R	621	BACN10JC4		.NUT	A,C	1
	-621A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	1
	-621B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-621C	MS21042L4		.NUT	G-M,P,Q	2
R	624	141T6205-1		.LEVER ASSY	A-M,P,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	627	BACB28X6M010		..BUSHING	A-M,P,Q	1
	630	BACB28X4C013		DELETED		
	630A	BACB28X4C010		..BUSHING	A-M,P,Q	1
R	633	141T6205-2		..LEVER	A-M,P,Q	1
R	636	BACB30NN4K14		.BOLT	A-M,P,Q	1
R	639	AN960-416L		.WASHER	A-M,P,Q	1
R	642	BACN10JC4		.NUT	A,C	1
	-642A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	1
	-642B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-642C	MS21042L4		.NUT	G-M,P,Q	2
R	645	141T6195-1		.CAM ASSY	A,B,E,G,H,L,P	1
R	-648	141T6195-2		.CAM ASSY	C,D,F,J,K,M,Q	1
R	651	BACR15CE5M		..RIVET- (SIZE DETERMINE ON INST)	A-M,P,Q	4
R	654	141T6210-1		..LEVER	A-M,P,Q	1
R	657	141T6195-3		..SHIM	A-M,P,Q	2
R	660	141T6200-1		..CAM	A,B,E,G,H,L,P	1
R	-663	141T6200-2		..CAM	C,D,F,J,K,M,Q	1
R	665	BAC27TBY0033		..MARKER	A-M,P,Q	1
	665H	MS24665-376		.PIN-COTTER	A-M,P,Q	1
	666	BMN4122C1D2-12		DELETED		

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	666A	BACN10JD12CD		DELETED		
	666B	BACN10JD112CD		.NUT	A-M,P,Q	1
R	669	AN960-1216L		.WASHER	A-M,P,Q	1
R	672	141T6207-7		.LEVER ASSY- (FOR DETAILS SEE FIG. 3)	A-M,P,Q	1
R	675	BACB30NR4K22		.BOLT	A-M,P,Q	1
R	678	AN960-416L		.WASHER	A-M,P,Q	1
	681	BACB28Y4C027		DELETED		
R	681A	BACB28Y4C037		.BUSHING	A-M,P,Q	1
	684	AN960PD416L		DELETED		
R	684A	AN960-416L		.WASHER	A-M,P,Q	1
R	687	BACB28AK04-028		.BUSHING	A-M,P,Q	1
R	690	BACN10JC4		.NUT	A,C	1
	-690A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	1
	-690B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-690C	MS21042L4		.NUT	G-M,P,Q	2
R	693	141T6214-1		.CRANK	A-M,P,Q	1
R	696	NAS428-4-10		.BOLT	A-M,P,Q	1
R	699	AN960-416L		.WASHER	A-M,P,Q	14
R	702	BACN10JC4		.NUT	A,C	1
	-702A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	1
	-702B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-702C	MS21042L4		.NUT	G-M,P,Q	2
R	705	141T6201-3		.SPACER	A-M,P,Q	1
R	708	141T6201-4		.SPACER	A-M,P,Q	1
R	711	141T6201-5		.SPACER	A-M,P,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	714	141T6203-3		.WASHER	A-M,P,Q	21
R	717	141T6203-4		.SPRING	A-M,P,Q	1
R	720	B539DDFS428		.BEARING- (V21335) (SPEC BACB10CF12PP) (OPT B539DDFS101 (V06144)) (OPT T339E (VK8455)) (OPT B539SSG27 (V30163)) (OPT B539DD (V38443)) (OPT B539-2TS (V43991)) (OPT B539FS101 (V06144))	A-M,P,Q	2
	723	141T6199-1		DELETED		
	723A	141T6199-2		.SHAFT	A-M,P,Q	1
R	726	141T6188-2		.STOP ASSY	A,B,E,G,H,L,P	1
R	-729	141T6188-1		.STOP ASSY	C,D,F,J,K,M,Q	1
				ATTACHING PARTS		
R	732	BACB30NR4K15		.BOLT	A-M,P,Q	1
R	735	BACB30NR4K16		.BOLT	A-M,P,Q	1
R	738	AN960-616		.WASHER	A-M,P,Q	11
R	741	BACW10P221S		.WASHER	A-M,P,Q	10
R	744	AN960PD416		.WASHER	A-M,P,Q	2
R	747	BACN10JC4		.NUT -------*-------	A,C	2
	-747A	BACN10JC4		.NUT-*(1) (LIMITED)	B,D-F	2

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	-747B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	2
	-747C	MS21042L4		.NUT	G-M,P,Q	2
R	750	141T6521-6		..RING	A-M,P,Q	1
R	753	B540DDFS428		..BEARING- (V21335) (SPEC BACB10CF14PP) (OPT B540-2TS (V43991)) (OPT B540SSG27 (V30163)) (OPT T340E (VK8455)) (OPT B540DDFS101 (V06144)) (OPT B540DD (V38443)) (OPT B540FS101 (V06144))	A-M,P,Q	1
R	756	141T6188-10		..STOP	A,B,E,G,H,L,P	1
R	-759	141T6188-9		..STOP	C,D,F,J,K,M,Q	1
R	762	BACB28AK04-053		.BUSHING	A-M,P,Q	1
R	765	BACB28AK04-070		.BUSHING	A-M,P,Q	1
R	768	BACB30LK3-12		.BOLT	A-M,P,Q	1
R	771	AN960C10L		.WASHER	A-M,P,Q	1
R	774	BACN10JC3CM		.NUT	A,C	1
	-774A	BACN10JC3CM		.NUT-*(1) (LIMITED)	B,D-F	1
	-774B	MS21042L3		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-774C	MS21042L3		.NUT	G-M,P,Q	2
R	777	141T6287-9		.BUSHING	A-M,P,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	780	141T6287-4		.ROLLER ASSY	A-M,P,Q	1
R	783	141T6287-14		..BUSHING	A-M,P,Q	2
R	786	141T6287-8		..ROLLER	A-M,P,Q	1
R	789	HL11VAZ8-5		.BOLT- (V56878) (SPEC BACB30NW8K5) (OPT B30NW8K5 (V97928)) (OPT HL11VAZ8-5 (V73197)) (OPT HL11VAZ8-5 (V92215)) (OPT HL11VAZ8-5 (V97928)) (OPT L803-8K5 (V06725)) (OPT HL11VAZ8-5 (VOPTK6)) (OPT HL11VAZ8-5 (V60516))	A-M,P,Q	3
R	792	AN960C416		.WASHER	A-M,P,Q	3
R	795	BACN10JC4CM		.NUT	A,C	3
	-795A	BACN10JC4CM		.NUT-*(1) (LIMITED)	B,D-F	3
	-795B	MS21042L4		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	3
	-795C	MS21042L4		.NUT	G-M,P,Q	2
R	798	141T6286-1		.SHIM	A-M,P,Q	1
R	801	141T6284-1		.SUPPORT	A-M,P,Q	1
R	804	BACB30NM3K8		.BOLT	A-M,P,Q	1
R	807	AN960C10		.WASHER	A-M,P,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	810	BACN10JC3CM		.NUT	A,C	1
	-810A	BACN10JC3CM		.NUT-*(1) (LIMITED)	B,D-F	1
	-810B	MS21042L3		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-810C	MS21042L3		.NUT	G-M,P,Q	2
R	813	141T6287-2		.BUSHING	A-M,P,Q	1
R	816	141T6287-3		.ROLLER ASSY	A-M,P,Q	1
R	819	141T6287-14		..BUSHING	A-M,P,Q	2
R	822	141T6287-7		..ROLLER	A-M,P,Q	1
R	825	BACB30LK3-13		.BOLT	A-M,P,Q	1
R	828	NAS1805-3		.NUT	A-M,P,Q	1
R	831	141T6287-1		.BUSHING	A-M,P,Q	2
	833	141T6103-1		.CLIP-*(4)*(5) (ITEM 833 WITH ITEM 834A AND ITEM 837A IS OPT TO THE MATCHED SET OF ITEM 834A AND ITEM 837B)	E,F	1
	-833A	141T6103-1		.CLIP- (ITEM 833A WITH ITEM 834B AND ITEM 837C IS OPT TO THE MATCHED SET OF ITEM 834B AND ITEM 837D)	G,J	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	834	141T6280-1		.LEVER-(MATCHED PART)	A,C,P,Q	1
	-834A	141T6280-1		.LEVER-*(4)*(5) (MATCHED PART) (ITEM 833 WITH ITEM 834A AND ITEM 837A IS OPT TO THE MATCHED SET OF ITEM 834A AND ITEM 837B)	E,F	1
	-834B	141T6280-1		.LEVER- (MATCHED PART) (ITEM 833A WITH ITEM 834B AND ITEM 837C IS OPT TO THE MATCHED SET OF ITEM 834B AND ITEM 837D)	G,J	1
R	-836	141T6136-64		.KIT ASSY-SUB (OPT ITEM 839)	H,K,L,M	1
R	-836L	141T6280-1		..LEVER	H,K,L,M	1
R	-836R	141T6280-3		..LEVER	H,K,L,M	1
R	837	141T6280-2		.LEVER-(MATCHED PART)	A,C	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	-837A	141T6280-2		.LEVER-*(4)*(5) (MATCHED PART) (ITEM 833 WITH ITEM 834A AND ITEM 837A IS OPT TO THE MATCHED SET OF ITEM 834A AND ITEM 837B)	E,F	1
	-837B	141T6280-3		.LEVER-*(4)*(5) (MATCHED PART) (ITEM 833 WITH ITEM 834A AND ITEM 837A IS OPT TO THE MATCHED SET OF ITEM 834A AND ITEM 837B)	E,F	1
	-837C	141T6280-2		.LEVER- (MATCHED PART) (ITEM 833A WITH ITEM 834B AND ITEM 837C IS OPT TO THE MATCHED SET OF ITEM 834B AND ITEM 837D)	G,J	1
	-837D	141T6280-3		.LEVER- (MATCHED PART) (ITEM 833A WITH ITEM 834B AND ITEM 837C IS OPT TO THE MATCHED SET OF ITEM 834B AND ITEM 837D)	G,J	1
	-837E	141T6280-3		.LEVER-(MATCHED PART)	P,Q	1
R	-839	141T6136-63		.KIT ASSY-SUB (OPT ITEM 836)	H,K,L ,M	1
R	-839L	141T6103-1		..CLIP	H,K,L ,M	1
R	-839R	141T6280-1		..LEVER	H,K,L ,M	1
R	-839W	141T6280-2		..LEVER	H,K,L ,M	1
R	840	BACB30NM4HK10		.BOLT	A-M,P ,Q	2
R	843	AN960-416		.WASHER	A-M,P ,Q	2
R	846	141T6288-1		.RETAINER	A-M,P ,Q	1
R	849	141T6231-1		.PIN	A-M,P ,Q	1
R	852	141T6232-1		.RETAINER	A-M,P ,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	855	141T6226-1		.BUSHING	A-M,P,Q	1
R	858	141T6287-17		.SHAFT	A-M,P,Q	1
R	861	141T6219-1		.SPRING	A-M,P,Q	1
R	864	NAS509-4C		.NUT	A-M,P,Q	1
R	867	NAS513-4		.WASHER	A-M,P,Q	1
R	870	141T6287-5		.END ASSY-ROD	A-M,P,Q	1
R	873	141T6287-14		..BUSHING	A-M,P,Q	2
R	876	141T6287-10		..END	A-M,P,Q	1
	878	141T6258-5		.SPRING	G,J,L,M,P,Q	2
R	879	MS19068-002		.NUT	A-M,P,Q	1
R	882	MS19070-002		.WASHER	A-M,P,Q	1
R	885	AN960-716		.WASHER	A-M,P,Q	1
	887	BACB30NM4HK16		.BOLT	G,J,L,M,P,Q	2
R	888	BACB30NM4HK2		.BOLT	A-F,H,K	3
	889	BACB30NM4HK2		.BOLT	G,J,L,M,P,Q	1
	890	AN960-416		.WASHER	G,J,L,M,P,Q	3
R	891	AN960-416		.WASHER	A-F,H,K	3
	893	141T6350-1		.TERMINAL- (OPT ITEM 893B)	G,L,P	1
	-893A	141T6350-2		.TERMINAL- (OPT ITEM 893C)	J,M,Q	1
	-893B	141T6350-5		.TERMINAL- (OPT ITEM 893)	G,L,P	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01- -893C	141T6350-6		.TERMINAL- (OPT ITEM 893A)	J,M,Q	1
R	894	141T6282-1		.RETAINER	A-M,P ,Q	1
R	897	141T6286-2		.SHIM	A-M,P ,Q	1
R	900	KP10AFS428		.BEARING- (V21335) (SPEC BACB10BX10) (OPT KP10A2TS (V43991)) (OPT LLKP10A (V38443))	A-M,P ,Q	1
R	903	141T6203-7		.WASHER	A-M,P ,Q	8
R	906	141T6229-1		.SPACER	A-M,P ,Q	1
R	909	141T6500-1		.WASHER	A-M,P ,Q	1
R	912	MS28775-127		.PACKING	A-M,P ,Q	1
R	915	141T6208-1		.RING-SEAL	A-M,P ,Q	1
R	918	141T6203-8		.WASHER	A-M,P ,Q	12
R	921	KP23B		.BEARING- (V38443) (SPEC BACB10BW23) (OPT KP23B2TS (V43991)) (OPT LLKP23B (V38443)) (OPT KP23BG27 (V30163)) (OPT KP23BFS428 (V21335)) (OPT KP23BLY196 (V40920)) (OPT KP23BSD610 (V83086))	A-M,P ,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	924	141T6228-1		.SHAFT ASSY	A,B,E,G,H,L,P	1
R	-927	141T6228-2		.SHAFT ASSY	C,D,F,J,K,M,Q	1
R	930	BACB28X6C010		..BUSHING	A-M,P,Q	1
R	933	BACB28X9M010		..BUSHING	A-M,P,Q	1
R	936	141T6228-3		..SHAFT	A,B,E,G,H,L,P	1
R	-939	141T6228-4		..SHAFT	C,D,F,J,K,M,Q	1
R	942	141T6500-2		.PLUG	A-M,P,Q	1
R	945	141T6159-11		.HANDLE ASSY- (FOR DETAILS SEE FIG. 4)	A,B,E,G,H,L,P	1
	-948	141T6159-12		.HANDLE ASSY- (FOR DETAILS SEE FIG. 4)	C,D,F,J,K,M,Q	1
	951	NAS428H4-12		DELETED		
R	951A	NAS428-4-12		.BOLT	A-M,P,Q	1
	952	AN316C4R		.NUT	A-M,P,Q	1
	953	AN960KD416L		.WASHER	A-M,P,Q	1
	954	NAS428H4-7		DELETED		
R	954A	NAS428-4-7		.BOLT	A-M,P,Q	1
	955	AN960KD416L		.WASHER	A-M,P,Q	1
	956	B0500-038S		.WASHER-*(2)*(3)*(4)*(5) (LIMITED) (V83553) (OPT ITEMS 956A, 956B)	B,D-F	AR

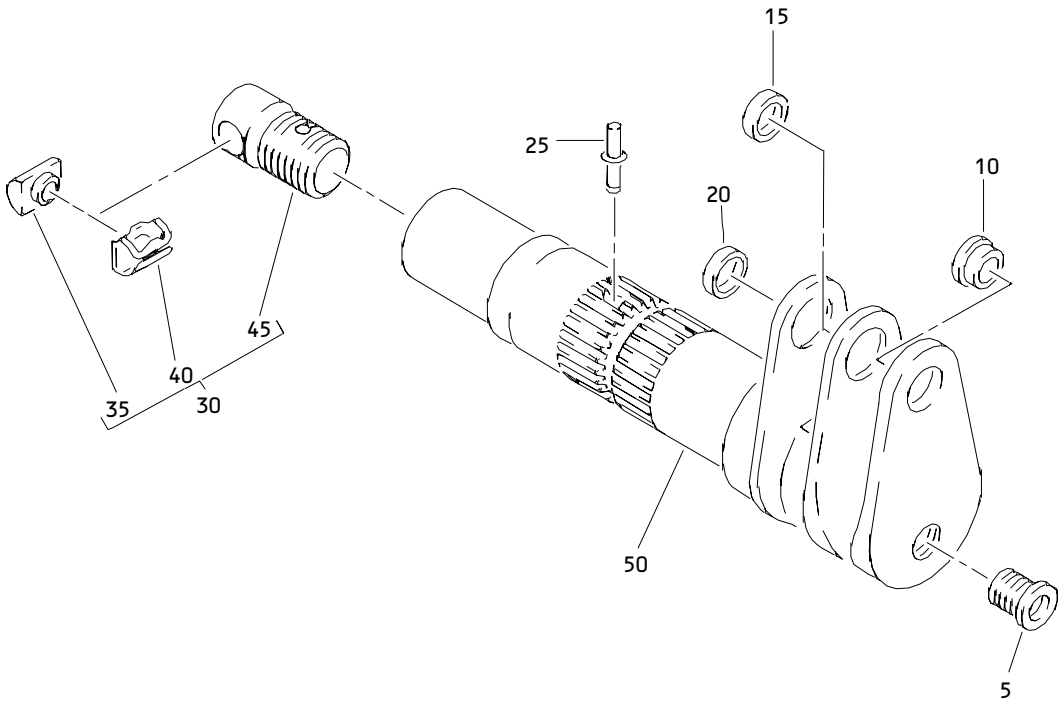
	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	-956A	AN960KD416		.WASHER-*(2)*(3)*(4)*(5) (LIMITED) (OPT ITEMS 956, 956B)	B,D-F	AR
	-956B	AN960KD416L		.WASHER-*(2)*(3)*(4)*(5) (LIMITED) (OPT ITEMS 956, 956A)	B,D-F	AR
	-956C	B0500-038S		.WASHER- (V83553) (OPT ITEMS 956D, 956E)	G,J	AR
	-956D	AN960KD416		.WASHER- (OPT ITEMS 956C, 956E)	G,J	AR
	-956E	AN960KD416L		.WASHER- (OPT ITEMS 956C, 956D)	G,J	AR
R	-956F	NAS1149D0416J		.WASHER- (OPT ITEMS 956G, 956H)	H,K,L,M,P,Q	AR
R	-956G	NAS1149D0463J		.WASHER- (OPT ITEMS 956F, 956H)	H,K,L,M,P,Q	AR
R	-956H	B0500-038S		.WASHER- (OPT ITEMS 956F, 956G)	H,K,L,M,P,Q	AR
	957	NAS509-4		DELETED		
R	957A	AN316C4R		.NUT	A,C,G-M,P,Q	1
	-957B	AN316C4R		.NUT-*(1) (LIMITED)	B,D-F	1
	958	BACB30NF4-4		.BOLT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	1
	-958A	BACB30NF4-4		.BOLT	G-M,P,Q	1
	959	AN960KD416L		.WASHER-*(2)*(3) (LIMITED)	B,D-F	1
	959G	141T6136-25		DELETED		
	959H	MS20392-3C69		.PIN-*(2)*(3)*(4)*(5) DRILLED SHANK (LIMITED) (V96906)	B,D-F	1
	-959J	MS20392-3C69		.PIN- DRILLED SHANK (V96906)	G-M,P,Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	960	AN960PD416L		DELETED		
	960A	141T6661-1		.BASE-*(2)*(3)*(4)*(5) ARMING SYS EXTERNAL LOCK (LIMITED)	B,D-F	1
	-960B	141T6661-1		.BASE-ARMING SYS EXT LOCK	G-M,P,Q	1
	961	141T6663-1		.SPRING-*(2)*(3)*(4)*(5) ARMING SYS EXTERNAL LOCK TORSION (LIMITED)	B,D-F	1
	-961A	141T6663-1		.SPRING-ARMING SYS EXT LOCK TORSION	G-M,P,Q	1
	962	141T6662-2		.PAWL-*(2)*(5) ARMING SYS EXTERNAL LOCK (LIMITED)	B,D-F	1
	-962A	141T6662-1		.PAWL-*(3)*(4) ARMING SYS EXTERNAL LOCK (LIMITED)	B,D-F	1
	-962B	141T6662-1		.PAWL-ARMING SYS EXTERNAL LOCK	G,H,L,P	1
	-962C	141T6662-2		.PAWL-ARMING SYS EXTERNAL LOCK	J,K,M,Q	1
R	963	BACB30NT3K3		.BOLT	A-M,P,Q	2
	966	AN960D10L		DELETED		
	966A	AN960PD10L		.WASHER	A-M,P,Q	2
R	969	H10-3BAC		.NUT- (V15653) (SPEC BACN10JC3) (OPT NS202101-02 (V80539)) (OPT RMLH9075-3W (V72962)) (OPT T6S1032J (V71087)) (OPT VN303A02 (V92215)) (OPT 96-02 (V80539)) (OPT BRH10A3 (V52828))	A,C	2

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
	-969A	H10-3BAC		.NUT-*(1) (V15653) (SPEC BACN10JC3) (OPT NS202101-02 (V80539)) (OPT RMLH9075-3W (V72962)) (OPT T6S1032J (V71087)) (OPT VN303A02 (V92215)) (OPT 96-02 (V80539)) (OPT BRH10A3 (V52828)) (LIMITED)	B,D-F	2
	-969B	MS21042L3		.NUT-*(2)*(3)*(4)*(5) (LIMITED)	B,D-F	2
	-969C	MS21042L3		.NUT	G-M,P,Q	1
	972	BACS45A26S		DELETED		
R	972A	BACS45A26		.SEAL	A-M,P,Q	1
R	975	BACB30NT2K3		.BOLT	A-M,P,Q	1
	978	AN960PD8L		DELETED		
	978A	AN960KD8L		.WASHER	A-M,P,Q	1
	981	AN960PD8		DELETED		
	981A	AN960KD8		.WASHER	A-M,P,Q	1
R	984	141T6133-59		.SUPPORT ASSY-HANDLE (OPT ITEM 984A) (FOR DETAILS SEE FIG. 5)	A	1
R	-984A	141T6133-49		.SUPPORT ASSY-HANDLE (OPT ITEM 984) (FOR DETAILS SEE FIG. 5)	A	1
R	-984B	141T6133-53		.SUPPORT ASSY-HANDLE (FOR DETAILS SEE FIG. 5)	B,E	1
	-984C	141T6133-79		.SUPPORT ASSY-HANDLE (FOR DETAILS SEE FIG. 5)	G,H,L,P	1
R	-987	141T6133-60		.SUPPORT ASSY-HANDLE (OPT ITEM 987A) (FOR DETAILS SEE FIG. 5)	C	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	01-					
R	-987A	141T6133-50		.SUPPORT ASSY-HANDLE (OPT ITEM 987) (FOR DETAILS SEE FIG. 5)	C	1
R	-987B	141T6133-54		.SUPPORT ASSY-HANDLE (FOR DETAILS SEE FIG. 5)	D,F	1
R	-987C	141T6133-80		.SUPPORT ASSY-HANDLE (FOR DETAILS SEE FIG. 5) *(1) PART OF COLLECTOR ASSY 141T6136-5009. *(2) PART OF COLLECTOR ASSY 141T6136-5010. *(3) PART OF COLLECTOR ASSY 141T6136-5011. *(4) PART OF COLLECTOR ASSY 141T6136-5013. *(5) PART OF COLLECTOR ASSY 141T6136-5014. *(6) TOP ASSEMBLY 141T6136-29 AND 141T6136-30 PRODUCTION UNITS USE 141T6155-1 CLUTCH ASSEMBLY. TOP ASSEMBLIES 141T6136-3, -4, -7 AND -8 THAT WERE REWORKED TO 141T6136-29 AND -30 PER SERVICE BULLETIN 767-52-0058 USE CLUTCH ASSEMBLY 143T6155-5.	J,K,M,Q	1

- Item Not Illustrated

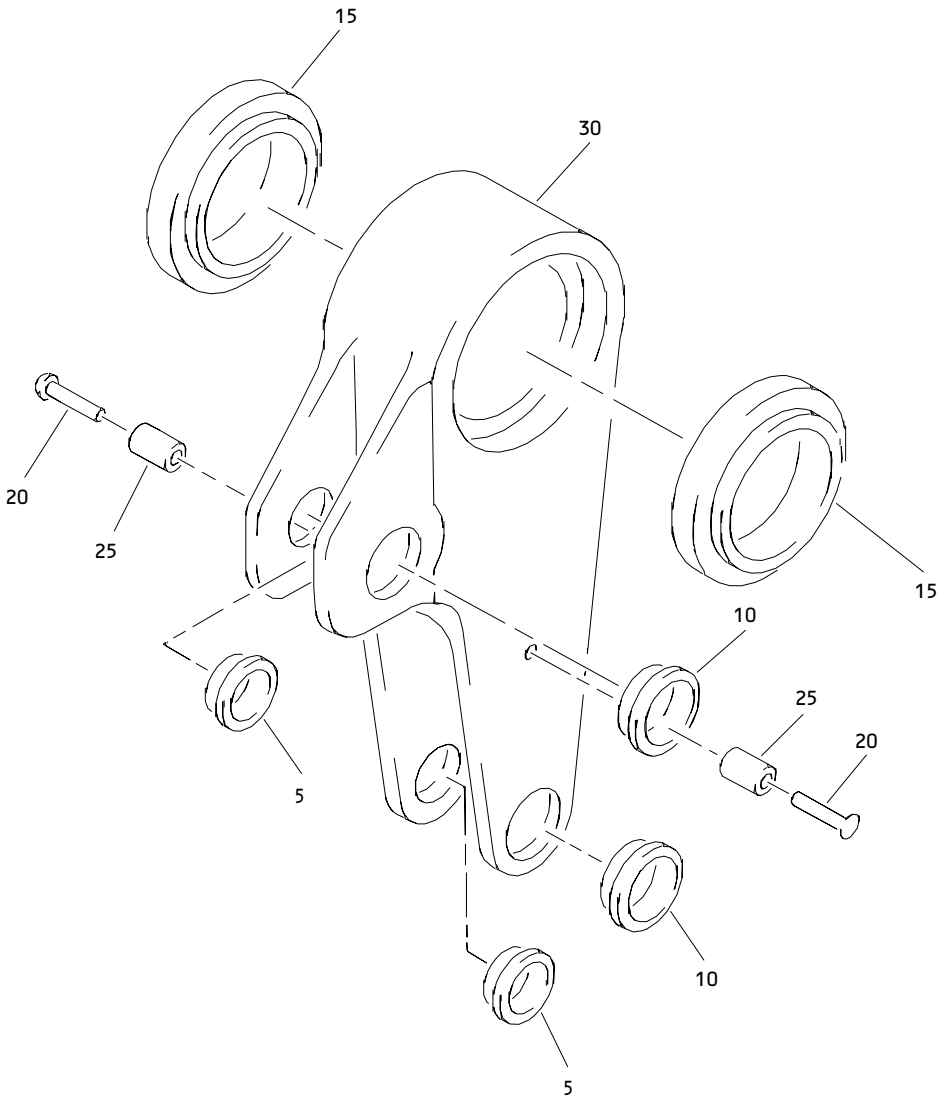


Inside Handle Pivot Shaft Assembly
Figure 2

T65134

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	02-					
R	-1	141T6221-1		SHAFT ASSY-INSIDE HANDLE PIVOT		RF
R	5	NAS1394C4L		.INSERT		1
R	10	BACB28X6C016		.BUSHING		1
R	15	BACB28Y9M015		.BUSHING		1
R	20	BACB28Y9M013		.BUSHING		1
R	25	NAS1399MW4-5		.RIVET		1
R	30	141T6224-3		.NUT ASSY		1
R	35	LH8065-054		..NUT- (V72962) (SPEC BACN10HC5) (OPT SL414-5 (V97393)) (OPT 94263-524 (V56878))		1
R	40	SLR4027-5		..RETAINER- (V97393) (SPEC BACR10V5) (OPT 2452-054RET (V72962))		1
R	45	141T6224-1		..HOUSING		1
R	50	141T6221-4		.SHAFT-PIVOT		1

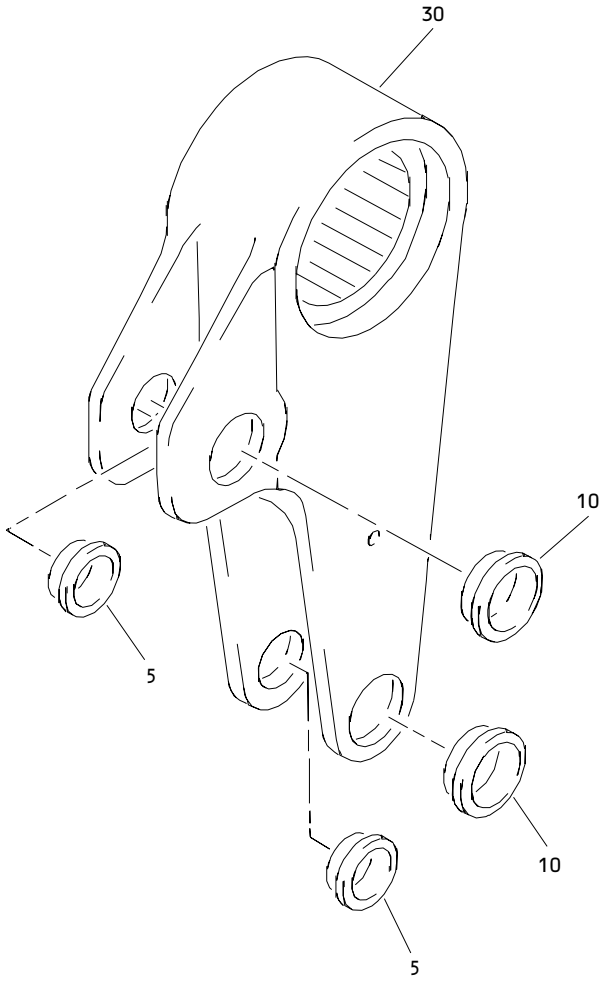
- Item Not Illustrated



141T6207-7

Carrier Drive Lever Assembly
Figure 3 (Sheet 1)

T65135

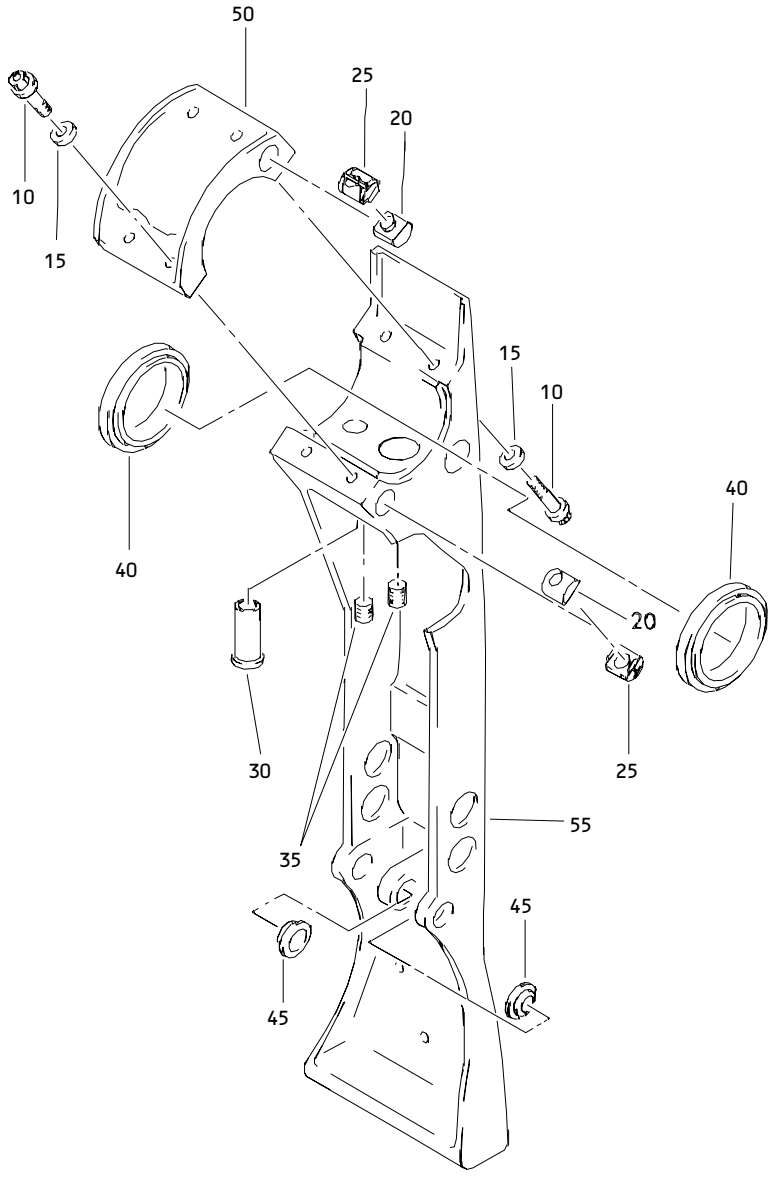


141T6207-12

Carrier Drive Lever Assembly
Figure 3 (Sheet 2)

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	03-					
R	-1	141T6207-7		LEVER ASSY-CARRIER DRIVE	A-M,P,Q	RF
	-1A	141T6207-12		LEVER ASSY-CARRIER DRIVE	N	RF
R	5	BACB28X4C010		.BUSHING		2
R	10	BACB28X6M012		.BUSHING		2
R	15	B540DDFS428		.BEARING- (V21335) (SPEC BACB10CF14PP) (OPT B540-2TS (V43991)) (OPT B540SSG27 (V30163)) (OPT T340E (VK8455)) (OPT B540DDFS101 (V06144)) (OPT B540DD (V38443)) (OPT B540FS101 (V06144))	A-M,P,Q	2
R	20	BACR15BB4AD10		.RIVET	A-M,P,Q	2
R	25	NAS42DD4-24		.SPACER	A-M,P,Q	2
R	30	141T6207-9		.LEVER	A-M,P,Q	1
	-30A	141T6207-11		.LEVER	N	1

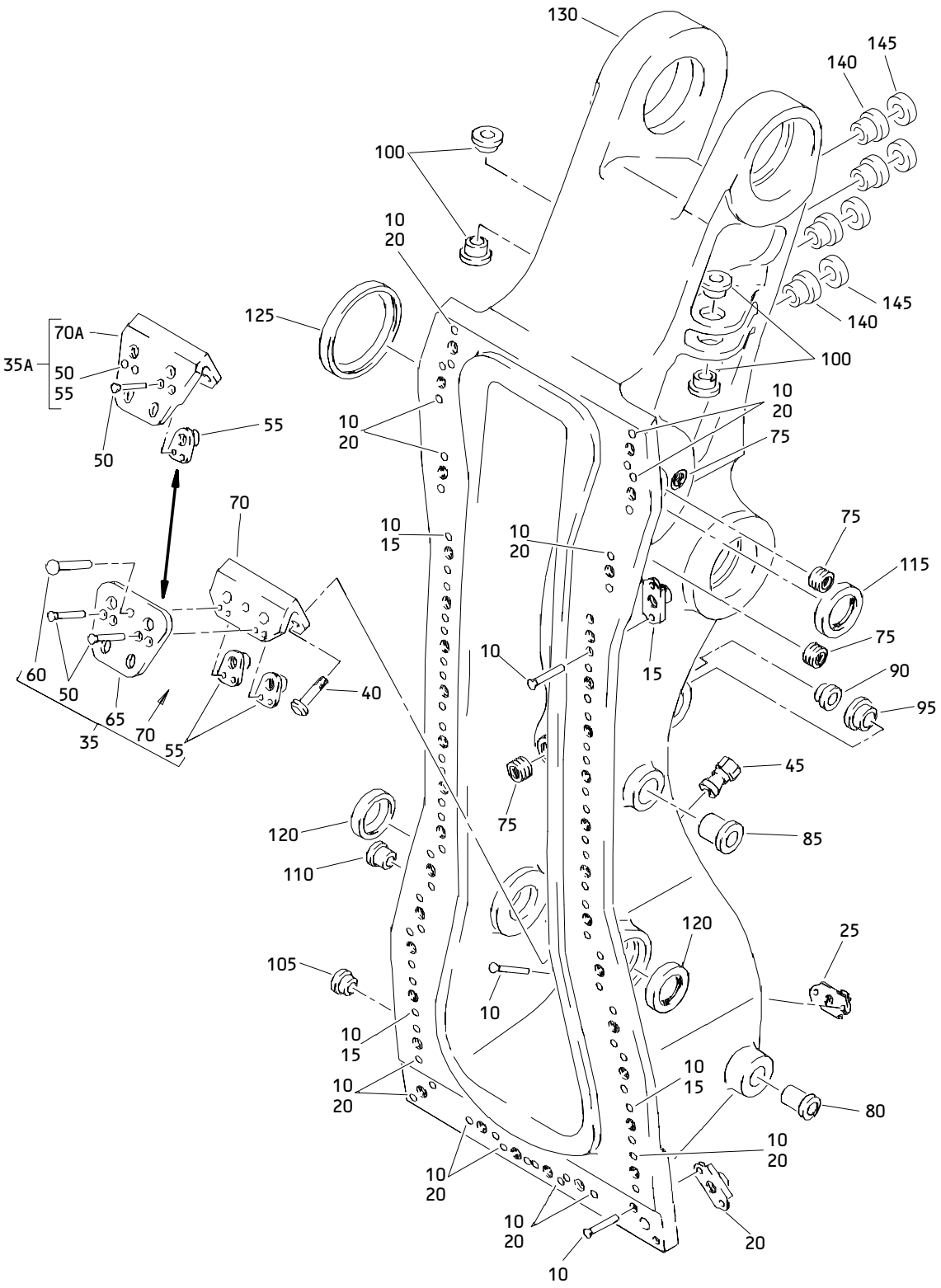
- Item Not Illustrated



External Handle Assembly
Figure 4

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	04-					
R	-1	141T6159-11		HANDLE ASSY-EXT	A,B,E,G,H,L,P	RF
	-1A	141T6159-21		HANDLE ASSY-EXT	N	RF
R	-5	141T6159-12		HANDLE ASSY-EXT	C,D,F,J,K,M,Q	RF
R	10	BACB30MR4K10		.BOLT		4
R	15	BACW10BN4AC		.WASHER		4
R	20	NAS577-4A		.NUT		4
R	25	NAS578-4		.RETAINER	A-M,P,Q	4
	-25A	NAS578-4B		.RETAINER	N	4
R	30	BACB28X6M109		.BUSHING		1
R	35	NAS1394C4L		.INSERT	A-M,P,Q	2
	-35A	NAS1394-4L		.INSERT	N	2
R	40	B542DDFSS428		.BEARING- (V21335) (SPEC BACB10CF21PP) (OPT B542-2TS (V43991)) (OPT B542SSG27 (V30163)) (OPT T342E (VK8455)) (OPT B542DDFS101 (V06144)) (OPT B542DD (V38443)) (OPT B542FS101 (V06144))		2
R	45	141T6287-16		.BUSHING		2
R	50	141T6159-7		.CAP-(MATCHED PART)		1
R	55	141T6159-15		.HANDLE-(MATCHED PART)	A,B,E,G,H,L,P	1
	-55A	141T6159-23		.HANDLE-(MATCHED PART)	N	1
R	-60	141T6159-16		.HANDLE-(MATCHED PART)	C,D,F,J,K,M,Q	1

- Item Not Illustrated



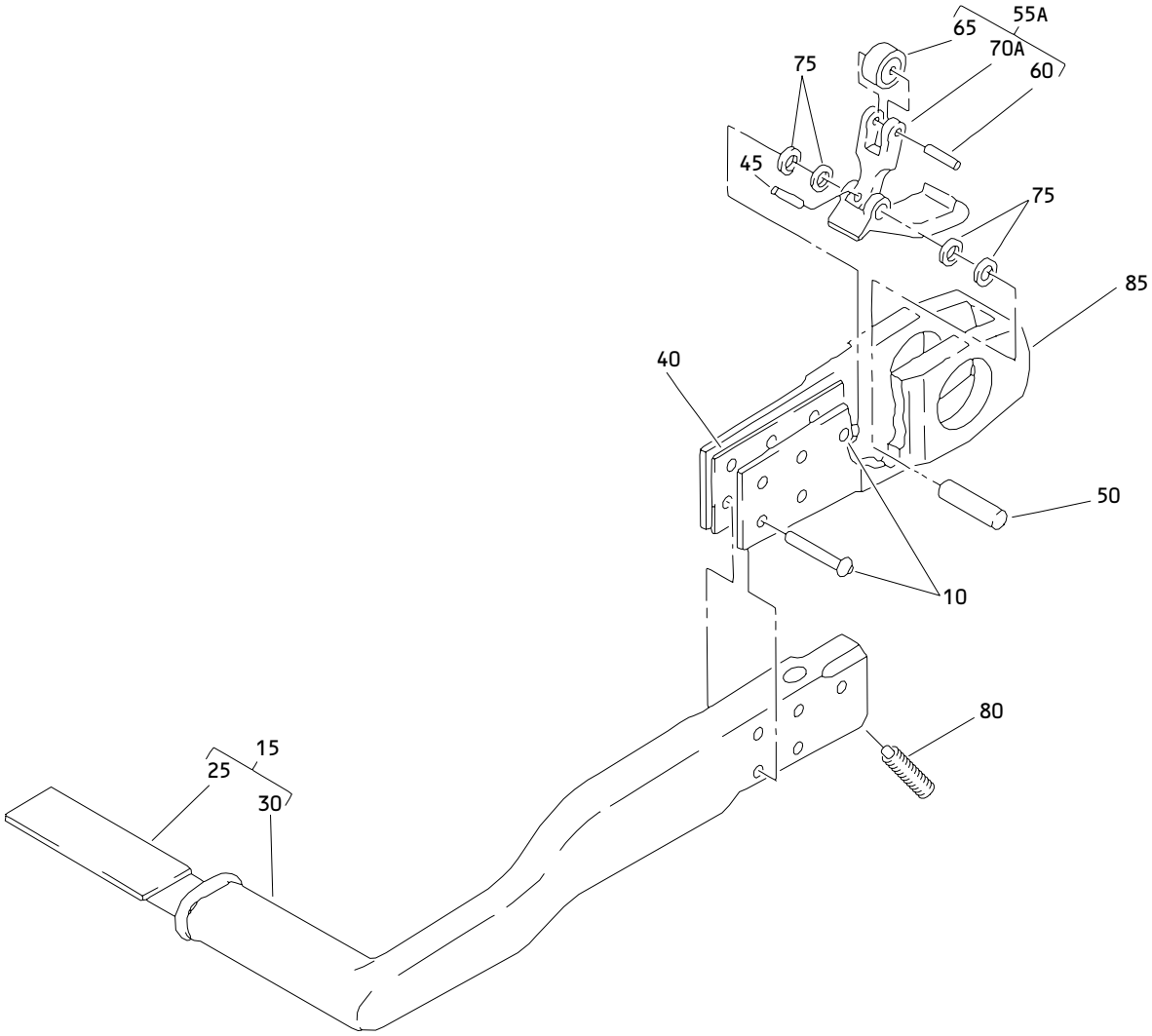
Handle Support Assembly
Figure 5

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	05-					
R	-1	141T6133-49		SUPPORT ASSY-HANDLE	A	RF
R	-1A	141T6133-59		SUPPORT ASSY-HANDLE	A	RF
R	-1B	141T6133-53		SUPPORT ASSY-HANDLE	B,E	RF
	-1C	141T6133-79		SUPPORT ASSY-HANDLE	G,H,L,N,P	RF
R	-5	141T6133-50		SUPPORT ASSY-HANDLE	C	RF
R	-5A	141T6133-60		SUPPORT ASSY-HANDLE	C	RF
R	-5B	141T6133-54		SUPPORT ASSY-HANDLE	D,F	RF
	-5C	141T6133-80		SUPPORT ASSY-HANDLE	J,K,M,Q	RF
R	10	BACR15BA3AD		.RIVET- (SIZE DETERMINE ON INST)	A-F	74
	-10A	BACR15DR3F		.RIVET- (SIZE DETERMINE ON INST)	G-Q	74
R	15	BACN10JQ42		.NUTPLATE	A-F	22
	-15A	MF19058-4-2BAC		.NUTPLATE- (V15653) (SPEC BACN10YF42)	G-Q	22
R	20	BACN10JQ42		.NUTPLATE	A,C	14
R	-20A	BACN10JQ43		.NUTPLATE	B,D-F	14
	-20B	MF19058-4-3BAC		.NUTPLATE- (V15653) (SPEC BACN10YF43)	G-Q	14
R	25	BRM200A08		.NUTPLATE- (V52828) (SPEC BACN10JP08A) (OPT MK1000-08BAC (V15653)) (OPT NS103197-82 (V80539)) (OPT T8076S832 (V71087)) (OPT T8076S832 (V11815)) (OPT VN202A1-82 (V92215))		1
R	35	141T6206-1		.BRACKET ASSY-STOP BOLT (OPT ITEM 35A)	A-F	1
R	35A	141T6206-3		.BRACKET ASSY-STOP BOLT (OPT ITEM 35)	A-F	1
	-35B	141T6206-3		.BRACKET ASSY-STOP BOLT	G-Q	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	05-					
				ATTACHING PARTS		
R	40	HL10VAZ5-5		.BOLT- (V60516) (SPEC BACB30MY5K5) (OPT B30MY5K5 (V97928))		2
R	45	HL70-5		.COLLAR- (V56878) (SPEC BACC30M5) (OPT HL70-5 (V73197)) (OPT HL70-5 (V92215)) (OPT 66014-5 (V56878)) (OPT HL79-5 (V5M902)) -------*-------		2
R	50	BACR15BA3AD		..RIVET- (SIZE DETERMINE ON INST)		4
R	55	MK4001-4BAC		..NUTPLATE- (V15653) (SPEC BACN10JP4DCM) (OPT NS103200SE048 (V80539)) (OPT T8083C428 (V11815)) (OPT VN204D1-048 (V92215)) (OPT 109A9209M4 (V72962))		2
R	60	BACR15BB4AD		..RIVET- (SIZE DETERMINE ON INST) (USED ON ITEM 35)	A-F	1
R	65	141T6206-5		..PLATE- (USED ON ITEM 35)	A-F	1
R	70	141T6206-2		..BRACKET- (USED ON ITEM 35)	A-F	1
R	70A	141T6206-4		..BRACKET- (USED ON ITEMS 35A, 35B)		1
R	75	NAS1394C4L		.INSERT		4
R	80	BACB28X4M050		.BUSHING		1
R	85	BACB28X6M050		.BUSHING		1
R	90	BACB28X4M016		.BUSHING		1
R	95	BACB28X6M016		.BUSHING		1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	05-					
R	100	BACB28X5M016		.BUSHING	A,C	4
R	-100A	BACB28X5M024		.BUSHING	B,D-Q	4
R	105	BACB28X4C009		.BUSHING		1
R	110	BACB28X4C024		.BUSHING		1
R	115	BCREF5232		.SEAL- (V75165) (TN12501212ALCASTEFBU)		1
R	120	BCREF5231		.SEAL- (V75165) (TN11251212ALCASTEFBU)		2
R	125	BCREF5355		.SEAL- (V75165) (TN21881214ALCASTEFBU)		1
R	130	141T6133-63		.SUPPORT- (USED ON ITEM 1)	A	1
R	-130A	141T6133-71		.SUPPORT- (USED ON ITEM 1A)	A	1
R	-130B	141T6133-67		.SUPPORT	B,E	1
	-130C	141T6133-87		.SUPPORT	G,H,L,N,P	1
R	-135	141T6133-64		.SUPPORT- (USED ON ITEM 5)	C	1
R	-135A	141T6133-72		.SUPPORT- (USED ON ITEM 5A)	C	1
R	-135B	141T6133-68		.SUPPORT	D,F	1
	-135C	141T6133-88		.SUPPORT	J,K,M,Q	1
	140	NAS1329H4K200L		.NUT-*(1)	A-F	4
R	-140A	NAS1330H4K211L		.NUT	G-Q	4
R	145	BACS40U4N2		.SHIM-*(1) *(1) THESE COMPONENTS ARE BONDED TO SUPPORT HANDLE ASSEMBLIES 141T6133-49, -50, -53, -54, -59 AND -60 THAT WERE REWORKED PER SERVICE BULLETIN 767-52-0058.	A-F	AR

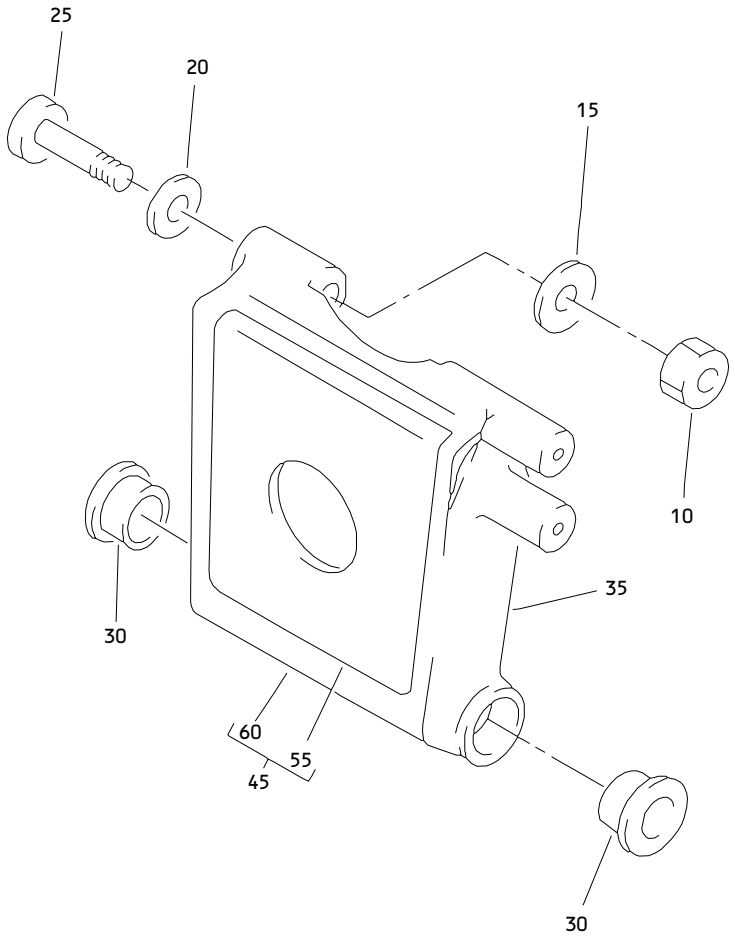
- Item Not Illustrated



Handle Assembly
Figure 6

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	06-					
	-1	143T6150-2		HANDLE ASSY	G,L,N,P	RF
	-5	143T6150-1		HANDLE ASSY	J,M,Q	RF
	10	BACR15BA5D		.RIVET- (SIZE DETERMINE ON INST)	G,J,L-Q	5
	15	141T6160-6		.HANDLE ASSY	G,L,N,P	1
	-20	141T6160-5		.HANDLE ASSY	J,M,Q	1
	25	141T6160-3		..FILLER	G,J,L-Q	1
	30	141T6160-8		..HANDLE	G,L,N,P	1
	-35	141T6160-7		..HANDLE	J,M,Q	1
	40	143T6152-2		.SHIM	G,J,L-Q	1
	45	MS16562-37		.PIN	G,J,L-Q	1
	50	143T6152-1		.PIN	G,J,L-Q	1
	55	143T6154-1		DELETED		
	55A	143T6154-5		.PAWL ASSY	G,J,L-Q	1
	60	BACR15GA6		..RIVET- (SIZE DETERMINE ON INST)	G,J,L-Q	1
R	65	PN3A		..BEARING-ROLLER (V60380) (SPEC BACB10B79LT) (OPT PN3ALT (V60380))	G,J,L-Q	1
	70	143T6154-2		DELETED		
	70A	143T6154-6		..PAWL	G,J,L-Q	1
	75	BACW10P274G		.WASHER	G,J,L-Q	AR
	80	NNS57N003		.SPRING- (V01226)	G,J,L-Q	1
	85	143T6151-1		.HOUSING- (OPT ITEM 85A)	G,J,L-Q	1
	-85A	143T6151-3		.HOUSING- (OPT ITEM 85)	G,J,L-Q	1

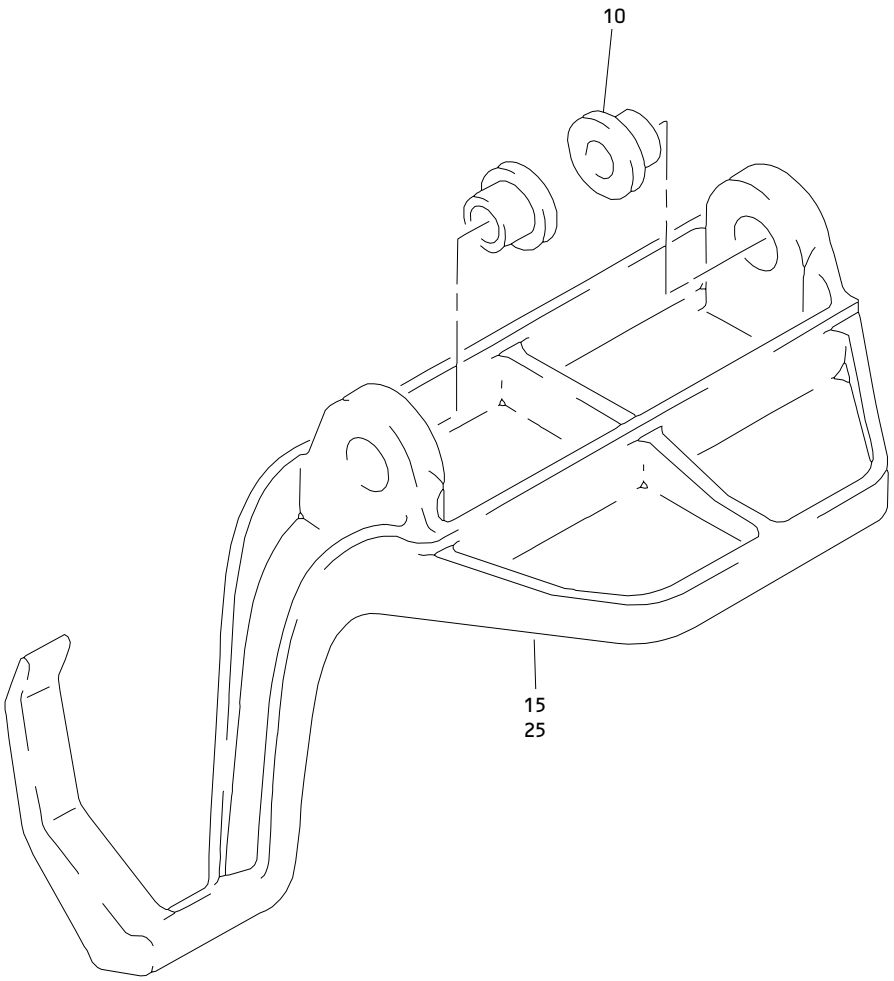
- Item Not Illustrated



Idler Assembly
Figure 7

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	07-					
	-1	141T6348-1		IDLER ASSY-	G,L,N,P	RF
	-5	141T6348-2		IDLER ASSY	J,M,Q	RF
	10	NAS509-5		.NUT	G,J,L-Q	1
	15	AN960-516		.WASHER	G,J,L-Q	1
	20	NAS513-5		.WASHER- (OPT ITEM 20A)	G,J,L-Q	1
	-20A	141T6348-11		.WASHER- (OPT ITEM 20)	G,J,L-Q	1
	25	CHRS3CTKR16		.BEARING- (V07484) (SPEC BACB10FK5K16HS) (OPT CHRS3CTKR16 (V92563)) (OPT HRSC3CTKR16 (V60380))	G,J,L-Q	1
	30	BACB28AT07C020C		.BUSHING	G,J,L-Q	2
	35	141T6348-3		.IDLER- (OPT ITEM 45)	G,L,N,P	1
	-40	141T6348-4		.IDLER- (OPT ITEM 50)	J,M,Q	1
R	45	141T6348-7		.WELD ASSY-IDLER (OPT ITEM 35)	G,L,N,P	1
	-50	141T6348-8		.WELD ASSY-IDLER (OPT ITEM 40)	J,M,Q	1
	55	141T6348-6		..COVER PLATE	G,J,L-Q	1
	60	141T6348-9		..IDLER	G,L,N,P	1
	-65	141T6348-10		..IDLER	J,M,Q	1

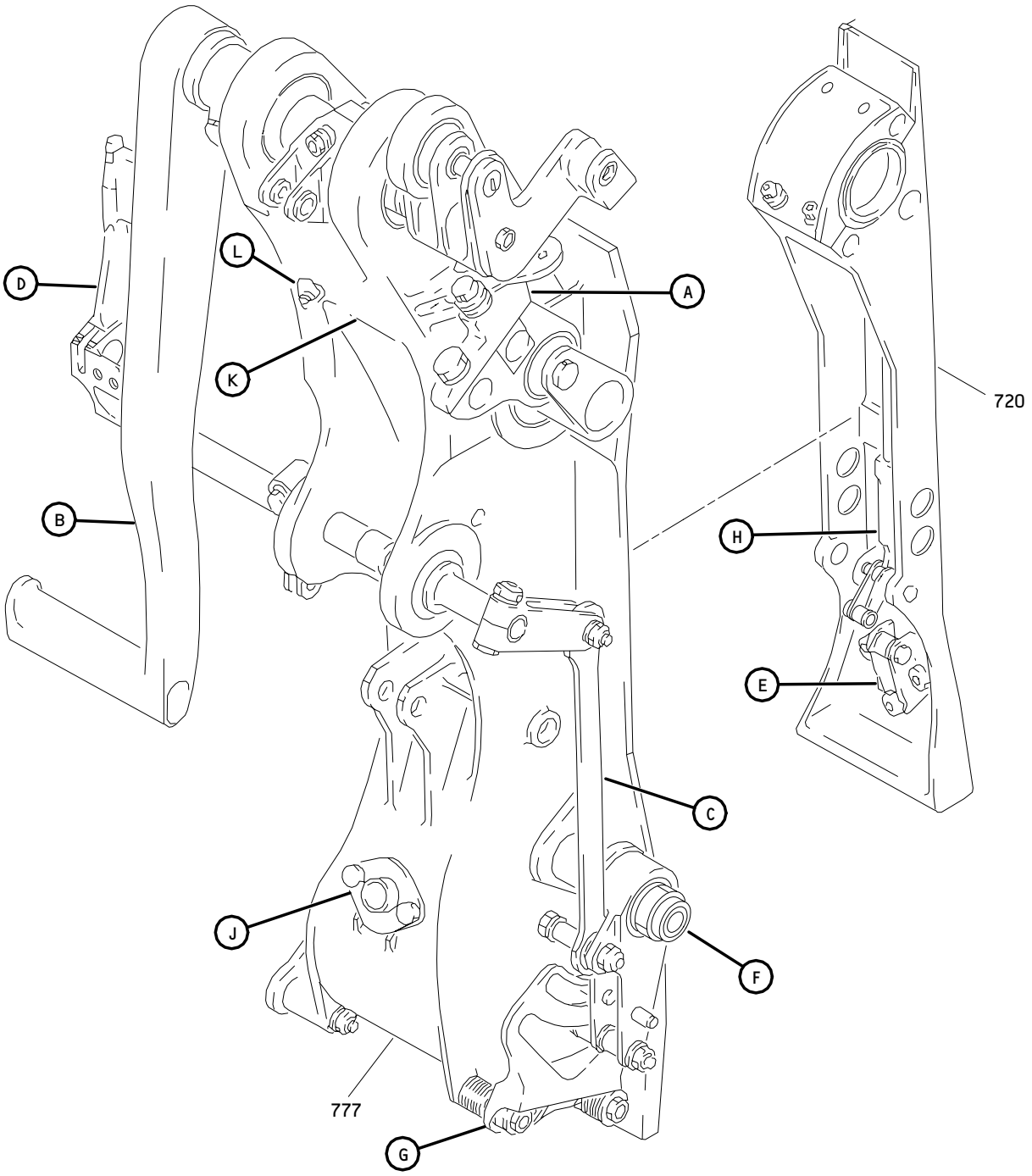
- Item Not Illustrated



Cam Bracket Assembly
Figure 8

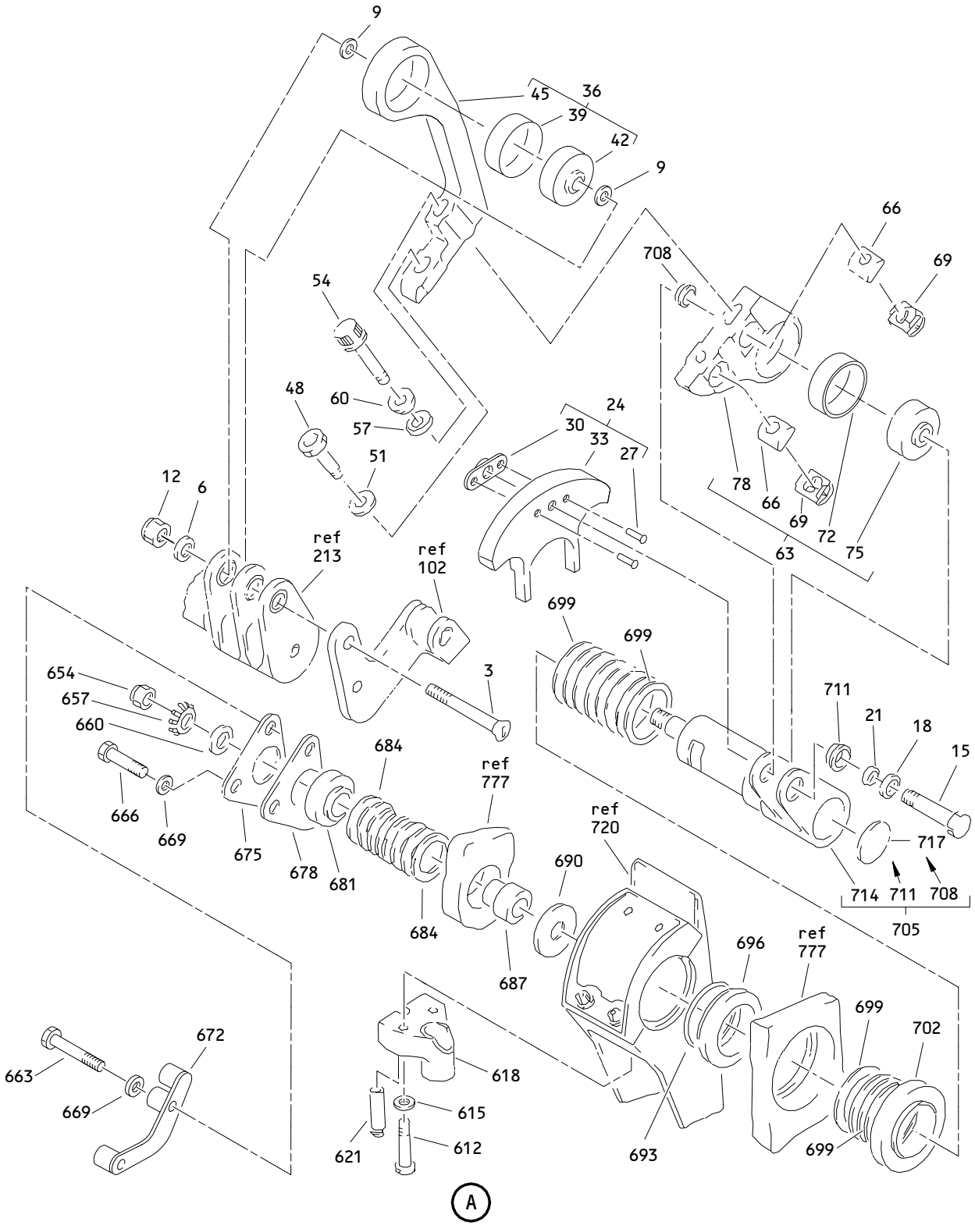
FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
08-					
-1	143T6156-19		BRACKET ASSY-CAM	G,L,N ,P	RF
-5	143T6156-20		BRACKET ASSY-CAM	J,M,Q	RF
10	BACB28AY07A0188		.BUSHING	G,J, L-Q	2
15	143T6156-21		.BRACKET- (OPT ITEM 25)	G,L,N ,P	1
-20	143T6156-22		.BRACKET- (OPT ITEM 30)	J,M,Q	1
25	143T6156-25		.FITTING- (OPT ITEM 15)	G,L,N ,P	1
-30	143T6156-26		.FITTING- (OPT ITEM 20)	J,M,Q	1

- Item Not Illustrated

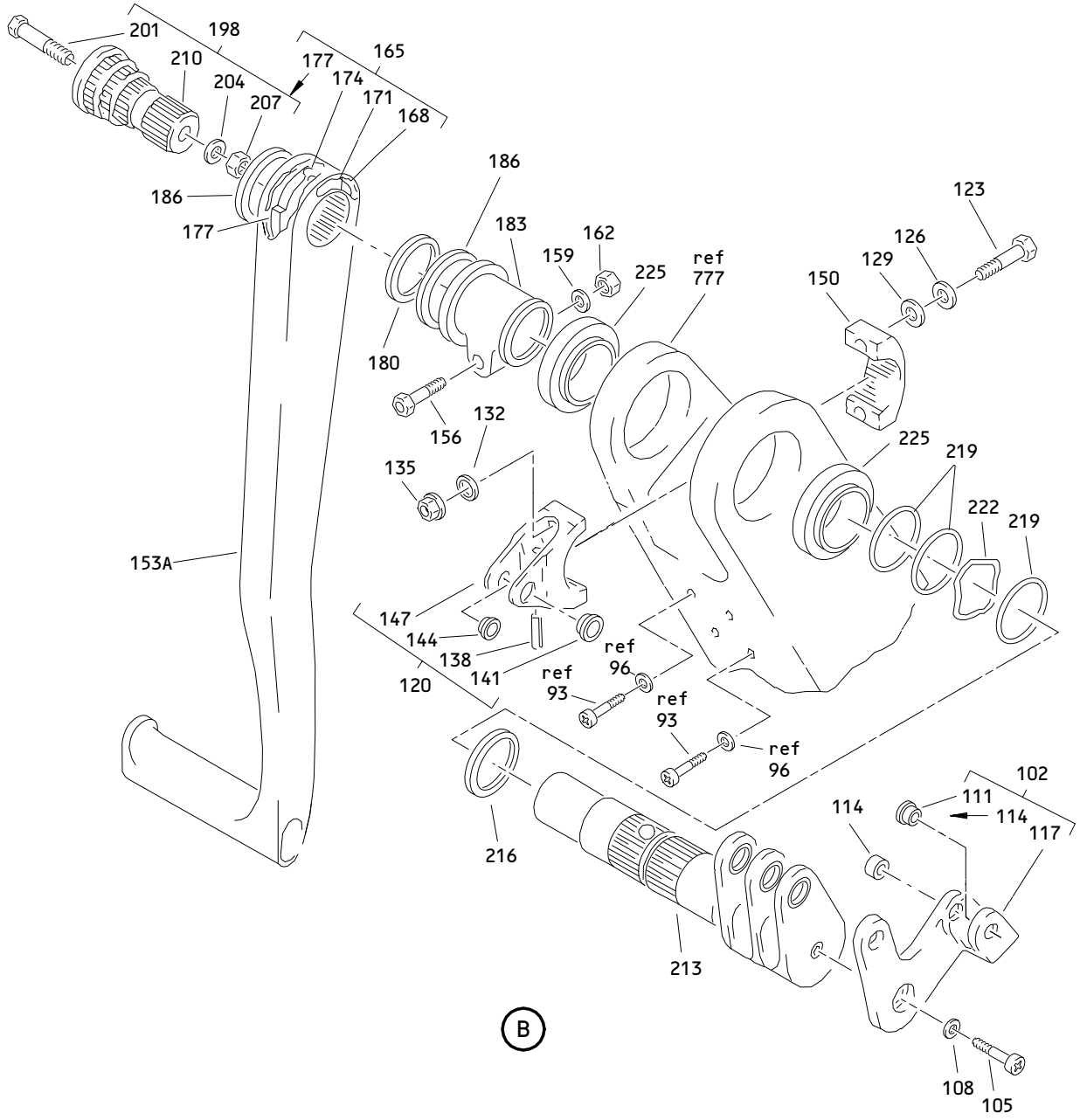


Forward Entry Door Handle Mechanism Assembly
Figure 9 (Sheet 1)

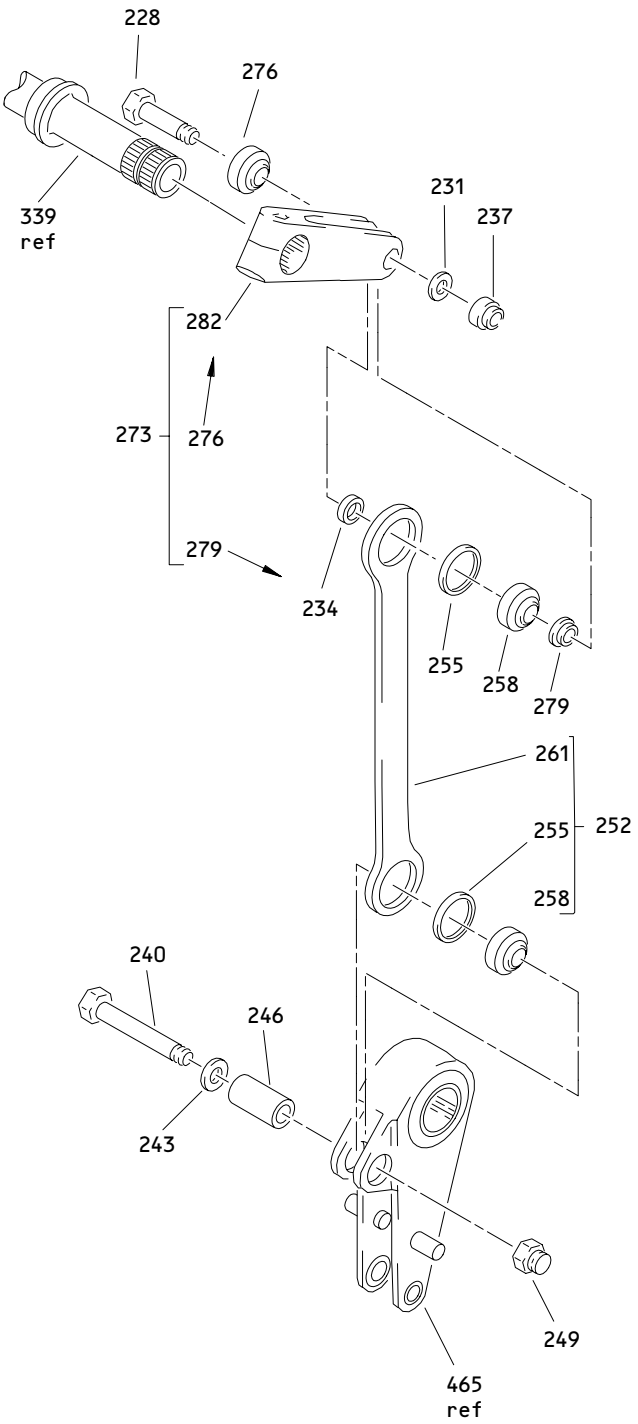
F18331



Forward Entry Door Handle Mechanism Assembly
Figure 9 (Sheet 2)

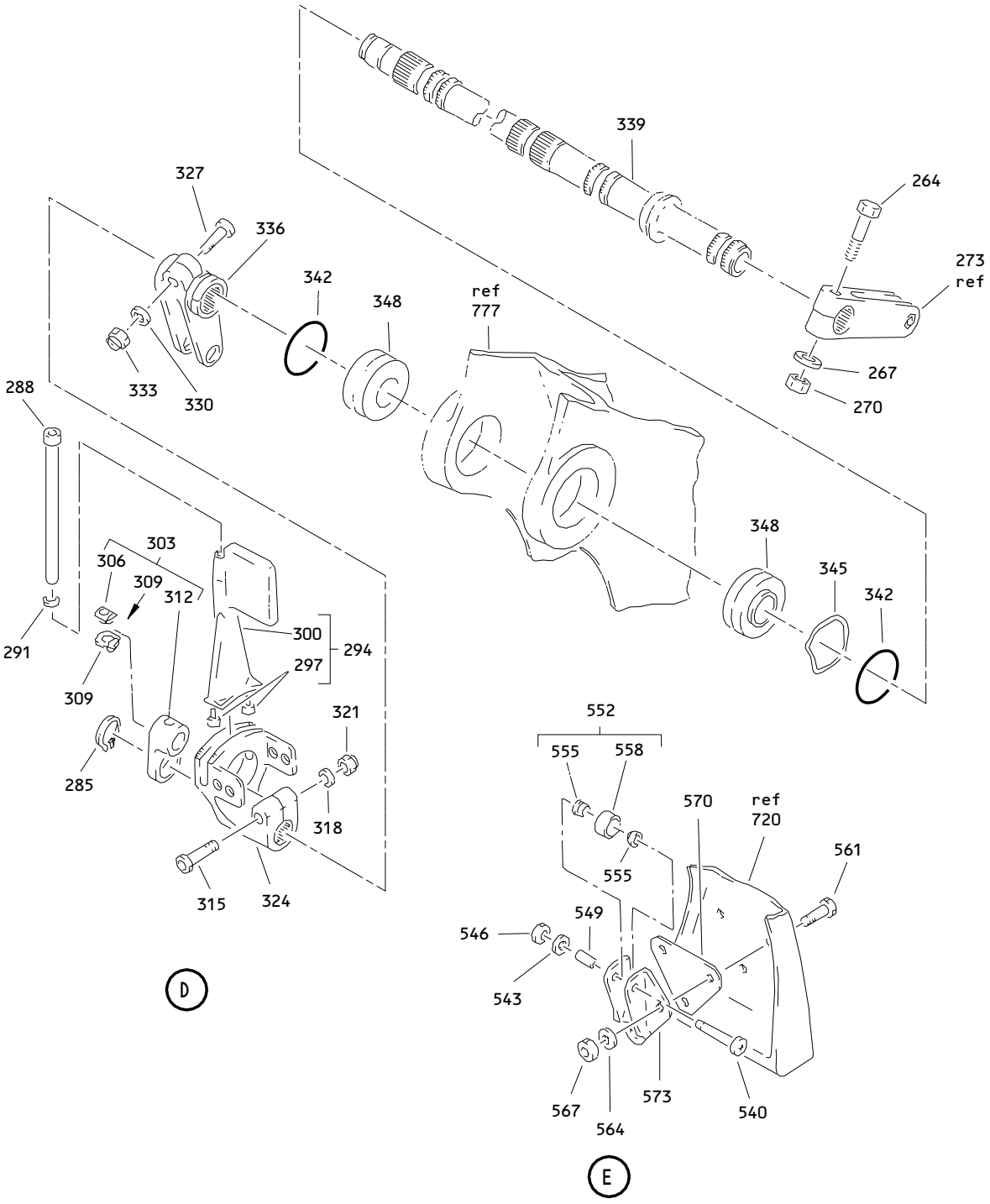


Forward Entry Door Handle Mechanism Assembly
Figure 9 (Sheet 3)

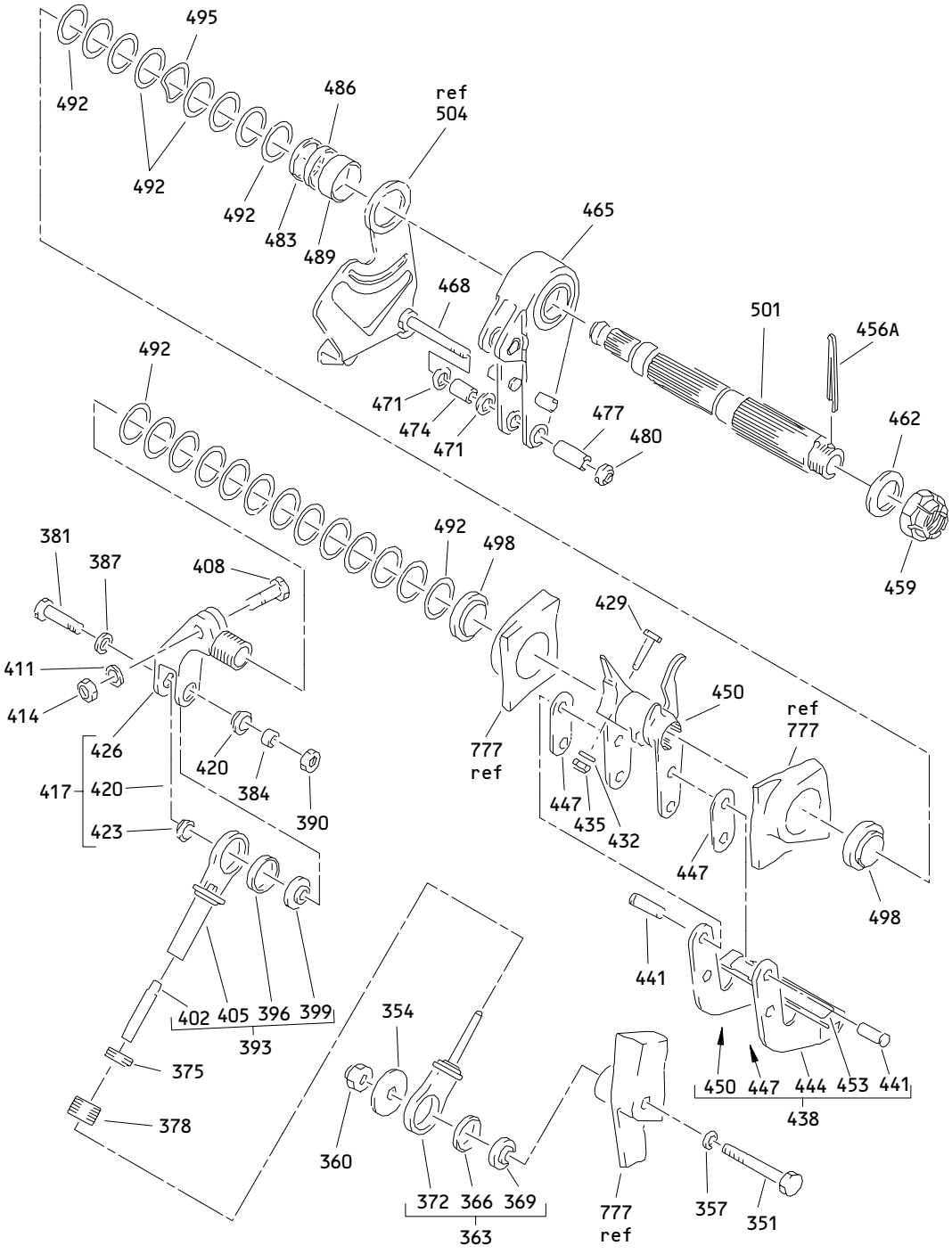


Forward Entry Door Handle Mechanism Assembly
Figure 9 (Sheet 4)

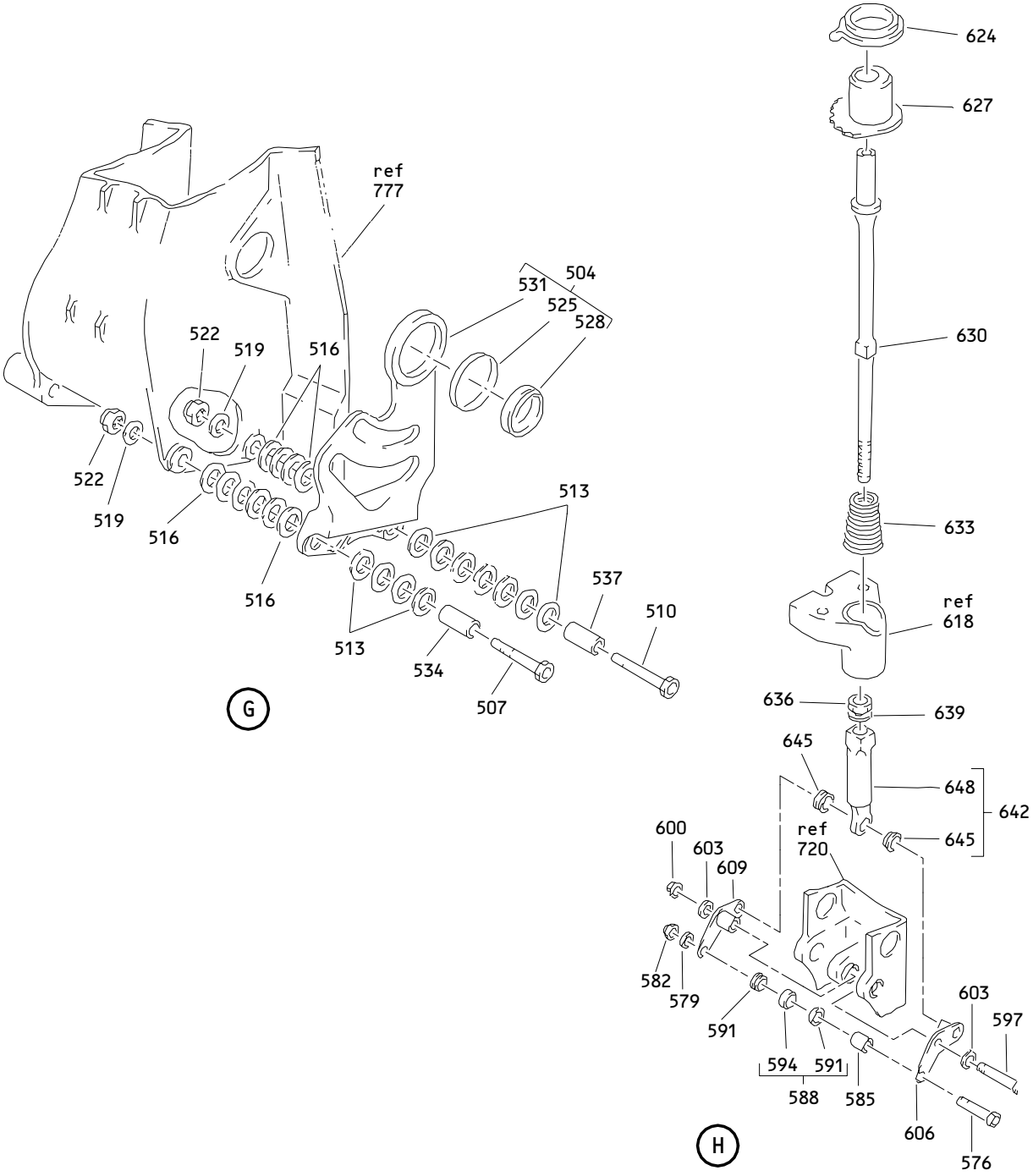
F19222



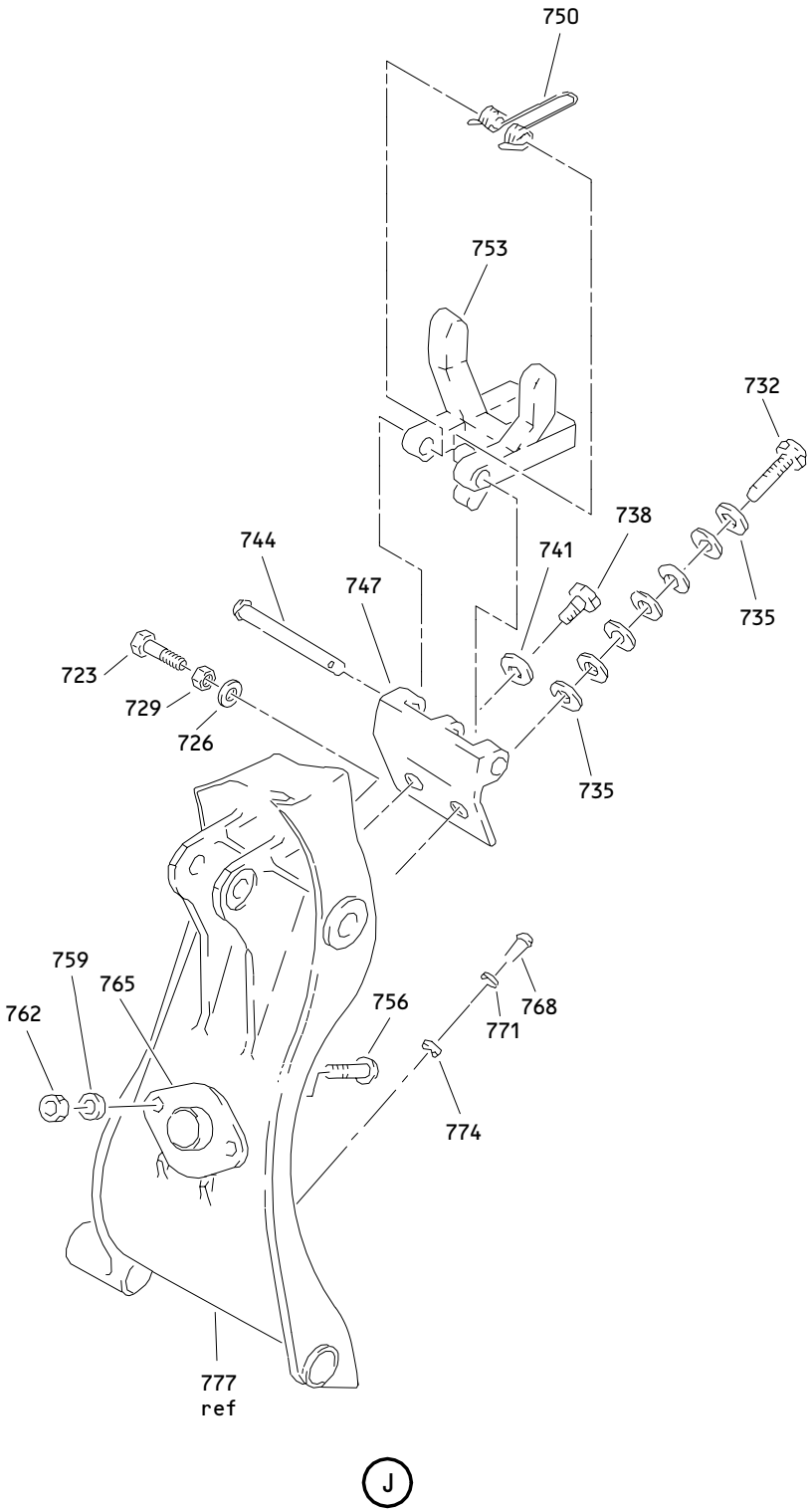
Forward Entry Door Handle Mechanism Assembly
Figure 9 (Sheet 5)



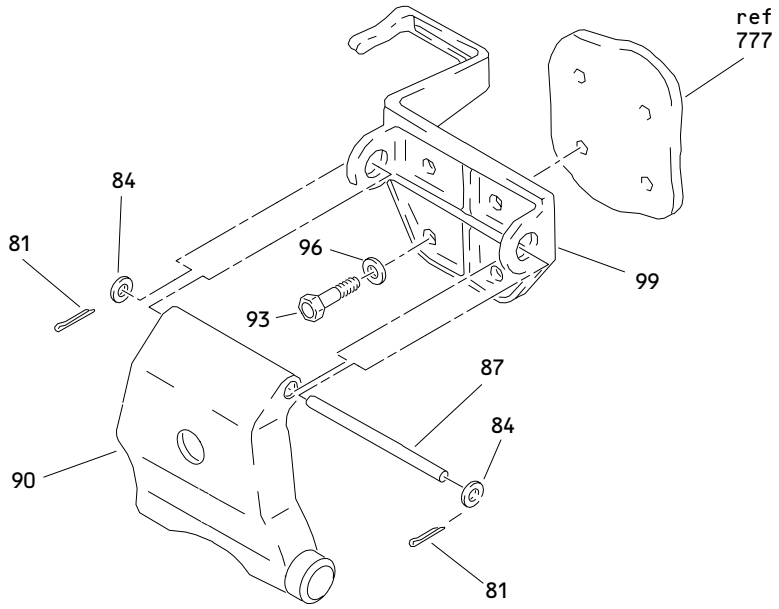
Forward Entry Door Handle Mechanism Assembly
Figure 9 (Sheet 6)

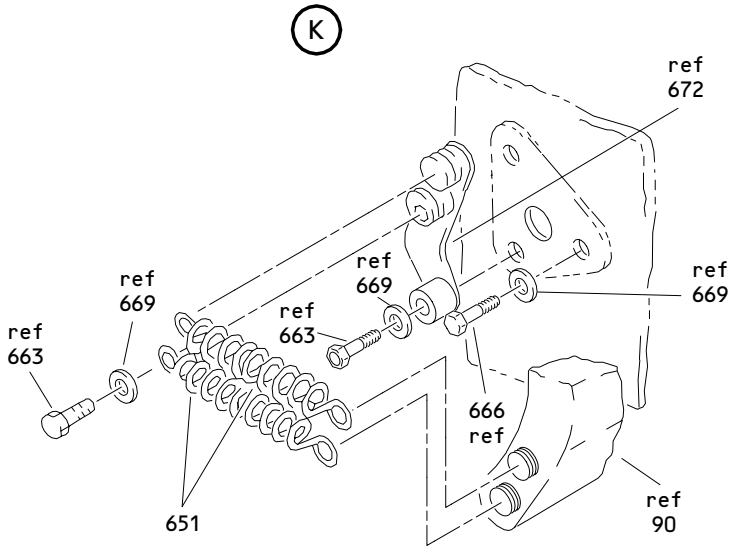


Forward Entry Door Handle Mechanism Assembly
Figure 9 (Sheet 7)



Forward Entry Door Handle Mechanism Assembly
Figure 9 (Sheet 8)





Forward Entry Door Handle Mechanism Assembly
Figure 9 (Sheet 9)

F19581

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	09-					
	-1A	141T6136-55		MECHANISM ASSY-FWD ENTRY AND SVCE DOOR HANDLE (LH)	N	RF
	3	NAS8706-33		.BOLT	N	1
	6	NAS1149F0663P		.WASHER	N	1
	9	BACB28AK06-021		.BUSHING	N	2
	12	NAS1805-6L		.NUT	N	1
	15	BACB30LT6-18		.BOLT	N	1
	18	BACW10BP6C		.WASHER	N	1
	21	BACB28AK06-028		.BUSHING	N	1
	24	141T6349-1		.CAM ASSY	N	1
	27	MS20427M4		..RIVET- (SIZE DETERMINE ON INST)	N	2
	30	K1001-6BAC		..NUTPLATE- (V15653) (SPEC BACN10JR6CM) (OPT NS103202SE064 (V80539)) (OPT VN102D1-064 (V92215)) (OPT 109A9201-6 (V72962)) (OPT T8089C624 (V11815))	N	1
	33	141T6349-3		..CAM BRACKET- (OPT ITEM 33A)	N	1
	-33A	141T6349-7		..FITTING- (OPT ITEM 33)	N	1
	36	141T6196-3		.LUG ASSY	N	1
	39	141T6521-1		..RING-SWAGE	N	1
R	42	ASR6-30		..BEARING- (VSO352) (SPEC BACB10CK6)	N	1
	45	141T6196-2		..LUG	N	1
	48	BACB30NM6K12		.BOLT	N	1
	51	NAS1149F0663P		.WASHER	N	1
	54	BACB30LE6U25		.BOLT	N	1
	57	K29913-6S		.WASHER- (V15653) (SPEC BACW10CA6CCS) (OPT 70189-6S (V56878)) (OPT 922006-6 (V60119)) (OPT 942006-6 (V60119))	N	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	09-					
	60	K29646-6S		.WASHER- (V15653) (SPEC BACW10CA6CVS) (OPT 70186-6S (V56878)) (OPT 922005-6 (V60119)) (OPT 942005-6 (V60119))	N	1
	63	141T6197-1		.LUG ASSY	N	1
	66	LH8065-064		..NUT- (V72962) (SPEC BACN10HC6) (OPT SL414-6 (V97393)) (OPT 94263-624 (V56878))	N	2
	69	SLR4027-6		..RETAINER- (V97393) (SPEC BACR10V6) (OPT 2452-064RET (V72962))	N	2
	72	141T6521-1		..RING-SWAGE	N	1
R	75	ASR6-30		..BEARING- (VS0352) (SPEC BACB10CK6)	N	1
	78	141T6197-2		..LUG	N	1
	81	MS24665-304		.PIN-COTTER	N	2
	84	NAS1149C0732R		.WASHER	N	2
	87	143T6152-3		.PIN	N	1
	90	141T6348-1		.IDLER ASSY- (FOR DETAILS SEE FIG. 7)	N	1
	93	BACB30NM4K6		.BOLT	N	4
	96	NAS1149C0432R		.WASHER	N	4
	99	143T6156-19		.BRACKET ASSY-CAM (FOR DETAILS SEE FIG. 8)	N	1
	102	141T6202-1		.ADAPTER ASSY ATTACHING PARTS	N	1
	105	BACB30NF4-1		.BOLT	N	1
	108	BACW10P115S		.WASHER -------*-------	N	1
	111	BACB28X4E015		..BUSHING	N	1
	114	BACB28Y6E036		..BUSHING	N	1
	117	141T6202-3		..ADAPTER	N	1
	120	141T6227-1		.LEVER ASSY	N	1

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
09-					
			ATTACHING PARTS		
123	BACB30NM4K17		.BOLT	N	2
126	K29913-104NF		.WASHER- (V15653) (SPEC BACW10CA104CCU) (OPT 70191-104U (V56878)) (OPT 922010-4 (V60119)) (OPT 942010-4 (V60119))	N	2
129	K29646-104NF		.WASHER- (V15653) (SPEC BACW10CA104CVU) (OPT 70188-104U (V56878)) (OPT 922009-4 (V60119)) (OPT 942009-4 (V60119))	N	2
132	AS46-4		.WASHER- (V10630) (SPEC BACW10AU4) (OPT K19701P4 (V15653)) (OPT 53488W428 (V56878)) (OPT 6073-04 (V72962)) (OPT TLN1020L4W (V08524))	N	2
135	H19700P4		.NUT- (V15653) (SPEC BACN10MT4) (OPT TLN1020-4N (V08524)) (OPT 52LH6073-048 (V72962)) (OPT 53488-428 (V56878))	N	2
			-------*-------		
138	MS16562-252		..PIN-SPR	N	1
141	BACB28X6M010		..BUSHING	N	1
144	BACB28X4C010		..BUSHING	N	1
147	141T6227-2		..LEVER	N	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	09-					
	150	141T6222-1		.CAP	N	1
	153	141T6150-2		DELETED		
R	153A	143T6150-2		.HANDLE ASSY- (FOR DETAILS SEE FIG. 6)	N	1
	156	BACB30NM4K14		.BOLT	N	1
	159	NAS1149F0463P		.WASHER	N	1
	162	NAS1805-4L		.NUT	N	1
R	165	143T6155-5		.CLUTCH ASSY	N	1
	168	NAS1351N4-24P		..SCREW- (OPT ITEM 168A)	N	1
	-168A	NAS1351C4-24P		..SCREW- (OPT ITEM 168)	N	1
	171	NAS43HT4-4		..SPACER	N	1
	174	LH8065-048		..NUT- (V72962) (SPEC BACN10HC4) (OPT SL414-4 (V97393)) (OPT 94263-428 (V56878))	N	1
	177	143T6155-6		..CLUTCH- (OPT ITEM 177A)	N	1
	-177A	143T6155-7		..CLUTCH- (OPT ITEM 177)	N	1
	180	143T6157-1		.SPACER	N	1
	183	141T6215-3		.SPACER	N	1
	186	B542DDFSS428		.BEARING- (V21335) (SPEC BACB10CF21PP) (OPT B542-2TS (V43991)) (OPT B542SSG27 (V30163)) (OPT T342E (VK8455)) (OPT B542DDFS101 (V06144)) (OPT B542DD (V38443)) (OPT B542FS101 (V06144))	N	2
	189	NAS1351-5-24P		DELETED		
	192	NAS1149F0563P		DELETED		
	195	H52732-5CD		DELETED		
	198	141T6223-2		.ADAPTER ASSY	N	1

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
09-					
201	NAS1351-5-24P		..SCREW	N	1
204	AN960-516		..WASHER	N	1
207	MS21042L5		..NUT	N	1
210	141T6223-3		..ADAPTER	N	1
213	141T6221-1		.SHAFT ASSY- (FOR DETAILS SEE FIG. 2)	N	1
216	141T6225-1		.WASHER	N	1
219	141T6203-1		.WASHER	N	3
222	141T6203-2		.SPRING	N	1
225	KP21B		.BEARING- (V38443) (SPEC BACB10BW21) (OPT KP21B2TS (V43991)) (OPT LLKP21B (V38443)) (OPT KP21BG27 (V30163)) (OPT KP21BFS428 (V21335)) (OPT KP21BLY196 (V40920)) (OPT KP21BSD610 (V83086))	N	2
228	BACB30NR4K11		.BOLT	N	1
231	NAS1149F0432P		.WASHER	N	1
234	BACB28AK04-026		.BUSHING	N	1
237	H52732-4CD		.NUT- (V15653) (SPEC BACN10YR4CD) (OPT PLH54CD (V62554))	N	1
240	BACB30NR4K12		.BOLT	N	1
243	NAS1149F0432P		.WASHER	N	1
246	BACB28AK04-027		.BUSHING	N	1
249	H52732-4CD		.NUT- (V15653) (SPEC BACN10YR4CD) (OPT PLH54CD (V62554))	N	1
252	141T6277-1		.LINK ASSY	N	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	09-					
	255	69-38919-35		..SLEEVE- (MFD FROM AL SH 6061-O QQ-A-250/11 F25.01 OPTL AL TUBING 6061-O WW-T-700/6 .063IN .374IN) (OPT ITEM 255A)	N	2
R	-255A	69-38919-58		..SLEEVE- (MFD FROM 6061-O SHT PER QQ-A-250/11 OR 6061-O TUBING PER WW-T-700/6 OPTIONAL MATERIAL - 6061-T6 ROD PER QQ-A-225/8, ANNEAL TO 6061-O AFTER MACHINING) (OPT ITEM 255)	N	2
	258	KSP4ASD610		..BEARING- (V83086) (SPEC BACB10AC4A) (OPT HHKSP4A (V38443)) (OPT KSP4AE9440A (V21335)) (OPT KSP4AFS428 (V21335)) (OPT KSP4A2TS (V43991)) (OPT KSP4AG27 (V30163)) (OPT 4AFS428 (V21335))	N	2
	261	141T6277-3		..LINK	N	1
	264	BACB30NM4K14		.BOLT	N	1
	267	NAS1149F0432P		.WASHER	N	1
	270	NAS1805-4L		.NUT	N	1
	273	141T6194-1		.LEVER ASSY	N	1
	276	BACB28X6M010		..BUSHING	N	1
	279	BACB28X4C011		..BUSHING	N	1
	282	141T6194-2		..LEVER	N	1
	285	MS16624-1062		.RING	N	1
	288	NAS1351-4-76P		.SCREW	N	1
	291	NAS43HT4-4		.SPACER	N	1
	294	141T6249-6		.HANDLE ASSY	N	1
	297	141T6249-4		..PIN	N	2
	300	141T6249-3		..HANDLE	N	1

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
09-					
303	141T6248-5		.LEVER ASSY	N	1
306	LH8065-048		..NUT- (V72962) (SPEC BACN10HC4) (OPT SL414-4 (V97393)) (OPT 94263-428 (V56878))	N	1
309	SLR4027-4		..RETAINER- (V97393) (SPEC BACR10V4) (OPT 2452-048RET (V72962))	N	1
312	141T6248-6		..LEVER	N	1
315	BACB30NM4K14		.BOLT	N	1
318	BACW10BP4C		.WASHER	N	1
321	NAS1805-4L		.NUT	N	1
324	141T6220-3		.ADAPTER	N	1
327	BACB30NM4K14		.BOLT	N	1
330	BACW10BP4C		.WASHER	N	1
333	NAS1805-4L		.NUT	N	1
336	141T6193-3		.LEVER	N	1
339	141T6198-1		.SHAFT	N	1
342	141T6203-5		.WASHER	N	2
345	141T6203-6		.SPRING	N	1
348	SAT1624A1501		.BEARING- (V77896)	N	2
351	BACB30NM4K25		.BOLT	N	1
354	AN970-4		.WASHER	N	1
357	BACW10BP4C		.WASHER	N	1
360	NAS1805-4L		.NUT	N	1
363	141T6274-2		.GUIDE ASSY	N	1
366	69-38919-35		..SLEEVE- (MFD FROM AL SH 6061-O QQ-A-250/11 F25.01 OPTL AL TUBING 6061-O WW-T-700/6 .063IN .374IN) (OPT ITEM 366A)	N	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
R	09-366A	69-38919-58		..SLEEVE- (MFD FROM 6061-0 SHT PER QQ-A-250/11 OR 6061-0 TUBING PER WW-T-700/6 OPTIONAL MATERIAL - 6061-T6 ROD PER QQ-A-225/8, ANNEAL TO 6061-0 AFTER MACHINING) (OPT ITEM 366)	N	1
	369	KSP4ASD610		..BEARING- (V83086) (SPEC BACB10AC4A) (OPT HHKSP4A (V38443)) (OPT KSP4AE9440A (V21335)) (OPT KSP4AFS428 (V21335)) (OPT KSP4A2TS (V43991)) (OPT KSP4AG27 (V30163)) (OPT 4AFS428 (V21335))	N	1
	372	141T6274-4		..GUIDE	N	1
	375	141T6258-3		.SPRING	N	1
	378	141T6258-4		.SPRING	N	1
	381	BACB30NR4K10		.BOLT	N	1
	384	BACB28AK04-026		.BUSHING	N	1
	387	NAS1149F0463P		.WASHER	N	1
	390	H52732-4CD		.NUT- (V15653) (SPEC BACN10YR4CD) (OPT PLH54CD (V62554))	N	1
	393	141T6274-1		.GUIDE ASSY	N	1
	396	69-38919-35		..SLEEVE- (MFD FROM AL SH 6061-0 QQ-A-250/11 F25.01 OPTL AL TUBING 6061-0 WW-T-700/6 .063IN .374IN) (OPT ITEM 396A)	N	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	09-					
R	-396A	69-38919-58		..SLEEVE- (MFD FROM 6061-0 SHT PER QQ-A-250/11 OR 6061-0 TUBING PER WW-T-700/6 OPTIONAL MATERIAL - 6061-T6 ROD PER QQ-A-225/8, ANNEAL TO 6061-0 AFTER MACHINING) (OPT ITEM 396)	N	1
	399	KSP4ASD610		..BEARING- (V83086) (SPEC BACB10AC4A) (OPT HHKSP4A (V38443)) (OPT KSP4AE9440A (V21335)) (OPT KSP4AFS428 (V21335)) (OPT KSP4A2TS (V43991)) (OPT KSP4AG27 (V30163)) (OPT 4AFS428 (V21335))	N	1
	402	141T6274-5		..BUSHING	N	1
	405	141T6274-3		..HOUSING	N	1
	408	BACB30NM4K12		.BOLT	N	1
	411	BACW10BP4C		.WASHER	N	1
	414	NAS1805-4L		.NUT	N	1
	417	141T6205-1		.LEVER ASSY	N	1
	420	BACB28X6M010		..BUSHING	N	1
	423	BACB28X4C010		..BUSHING	N	1
	426	141T6205-2		..LEVER	N	1
	429	BACB30NN4K14		.BOLT	N	1
	432	NAS620-416L		.WASHER	N	1
	435	NAS1805-4L		.NUT	N	1
	438	141T6195-7		.CAM ASSY	N	1
	441	BACR15CE5KE		..RIVET- (SIZE DETERMINE ON INST)	N	4
	444	141T6210-1		..LEVER	N	1
	447	141T6195-3		..SHIM	N	2
	450	141T6200-3		..CAM	N	1
	453	BAC27TBY0033		..MARKER	N	1
	456	MS24665-367		DELETED		
R	456A	MS24665-376		.PIN-COTTER	N	1

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
09-					
459	BACN10JD112CD		.NUT	N	1
462	NAS1149F1232P		.WASHER	N	1
465	141T6207-12		.LEVER ASSY- (FOR DETAILS SEE FIG. 3)	N	1
468	BACB30NR4K19		.BOLT	N	1
471	NAS1149F0432P		.WASHER	N	2
474	BACB28Y4C045		.BUSHING	N	1
477	BACB28AK04-055		.BUSHING	N	1
480	H52732-4CD		.NUT- (V15653) (SPEC BACN10YR4CD) (OPT PLH54CD (V62554))	N	1
483	141T6201-4		.SPACER	N	1
486	141T6201-5		.SPACER	N	1
489	141T6201-6		.SPACER	N	1
492	141T6203-3		.WASHER	N	21
495	141T6203-4		.SPRING	N	1
498	B539DDFS428		.BEARING- (V21335) (SPEC BACB10CF12PP) (OPT B539DDFS101 (V06144)) (OPT T339E (VK8455)) (OPT B539SSG27 (V30163)) (OPT B539DD (V38443)) (OPT B539-2TS (V43991)) (OPT B539FS101 (V06144))	N	2
501	141T6199-3		.SHAFT	N	1
504	141T6188-2		.STOP ASSY ATTACHING PARTS	N	1
507	BACB30NR4K15		.BOLT	N	1
510	BACB30NR4K16		.BOLT	N	1
513	NAS1149F0663P		.WASHER	N	11
516	BACW10P221S		.WASHER	N	10
519	NAS1149D0463J		.WASHER	N	2

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
09-					
522	H52732-4CD		.NUT- (V15653) (SPEC BACN10YR4CD) (OPT PLH54CD (V62554)) -------*-------	N	2
525	141T6521-6		..RING	N	1
528	B540DDFS428		..BEARING- (V21335) (SPEC BACB10CF14PP) (OPT B540-2TS (V43991)) (OPT B540SSG27 (V30163)) (OPT T340E (VK8455)) (OPT B540DDFS101 (V06144)) (OPT B540DD (V38443)) (OPT B540FS101 (V06144))	N	1
531	141T6188-10		..STOP	N	1
534	BACB28AK04-053		.BUSHING	N	1
537	BACB28AK04-070		.BUSHING	N	1
540	BACB30LK3-12		.BOLT	N	1
543	NAS1149C0332R		.WASHER	N	1
546	H52732-3CD		.NUT- (V15653) (SPEC BACN10YR3CD) (OPT PLH53CD (V62554))	N	1
549	141T6287-21		.BUSHING	N	1
552	141T6287-18		.ROLLER ASSY	N	1
555	141T6287-14		..BUSHING	N	2
558	141T6287-19		..ROLLER	N	1

	FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
	09-					
	561	HL11VAZ8-5		.BOLT- (V56878) (SPEC BACB30NW8K5) (OPT B30NW8K5 (V97928)) (OPT HL11VAZ8-5 (V73197)) (OPT HL11VAZ8-5 (V92215)) (OPT HL11VAZ8-5 (V97928)) (OPT L803-8K5 (V06725)) (OPT HL11VAZ8-5 (VOPTK6)) (OPT HL11VAZ8-5 (V60516))	N	3
	564	NAS1149C0463R		.WASHER	N	3
	567	H52732-4CD		.NUT- (V15653) (SPEC BACN10YR4CD) (OPT PLH54CD (V62554))	N	3
	570	141T6286-3		.SHIM	N	1
	573	141T6284-3		.SUPPORT	N	1
	576	BACB30NM3K8		.BOLT	N	1
	579	BACW10BP3C		.WASHER	N	1
	582	NAS1805-3L		.NUT	N	1
	585	141T6287-2		.BUSHING	N	1
	588	141T6287-3		.ROLLER ASSY	N	1
	591	141T6287-14		..BUSHING	N	2
	594	141T6287-7		..ROLLER	N	1
	597	BACB30LK3-13		.BOLT	N	1
	600	NAS1805-3L		.NUT	N	1
	603	141T6287-1		.BUSHING	N	2
R	606	141T6280-1		.LEVER-(MATCHED PART)	N	1
R	609	141T6280-3		.LEVER-(MATCHED PART)	N	1
	612	BACB30NM4HK10		.BOLT	N	2
	615	BACW10BP4C		.WASHER	N	2
	618	141T6288-1		.RETAINER	N	1
	621	141T6231-1		.PIN	N	1
	624	141T6232-1		.RETAINER	N	1
	627	141T6226-1		.BUSHING	N	1
	630	141T6287-17		.SHAFT	N	1
	633	141T6219-1		.SPRING	N	1

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
09-					
636	NAS509-4C		.NUT	N	1
639	NAS513-4		.WASHER	N	1
642	141T6287-5		.END ASSY-ROD	N	1
645	141T6287-14		..BUSHING	N	2
648	141T6287-10		..END	N	1
651	141T6258-5		.SPRING	N	2
654	MS19068-002		.NUT	N	1
657	MS19070-002		.WASHER	N	1
660	NAS1149F0763P		.WASHER	N	1
663	BACB30NM4HK16		.BOLT	N	2
666	BACB30NM4HK2		.BOLT	N	1
669	BACW10BP4C		.WASHER	N	3
672	141T6350-1		.TERMINAL- (OPT ITEM 672A)	N	1
-672A	141T6350-5		.TERMINAL- (OPT ITEM 672)	N	1
675	141T6282-1		.RETAINER	N	1
678	141T6286-2		.SHIM	N	1
681	KP10AFS428		.BEARING- (V21335) (SPEC BACB10BX10) (OPT KP10A2TS (V43991)) (OPT LLKP10A (V38443))	N	1
684	141T6203-7		.WASHER	N	8
687	141T6229-1		.SPACER	N	1
690	141T6500-1		.WASHER	N	1
693	M834611-127		.PACKING	N	1
696	141T6208-1		.RING-SEAL	N	1
699	141T6203-8		.WASHER	N	12

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
09-					
702	KP23B		.BEARING- (V38443) (SPEC BACB10BW23) (OPT KP23B2TS (V43991)) (OPT LLKP23B (V38443)) (OPT KP23BG27 (V30163)) (OPT KP23BFS428 (V21335)) (OPT KP23BLY196 (V40920)) (OPT KP23BSD610 (V83086))	N	1
705	141T6228-1		.SHAFT ASSY	N	1
708	BACB28X6C010		..BUSHING	N	1
711	BACB28X9M010		..BUSHING	N	1
714	141T6228-3		..SHAFT	N	1
717	141T6500-2		.PLUG	N	1
720	141T6159-21		.HANDLE ASSY- (FOR DETAILS SEE FIG. 4)	N	1
723	NAS428-4-12		.BOLT	N	1
726	NAS1149D0416J		.WASHER	N	1
729	AN316C4R		.NUT	N	1
732	NAS428-4-7		.BOLT	N	1
735	NAS1149D0416J		.WASHER- (OPT ITEMS 735A, 735B)	N	AR
-735A	NAS1149D0463J		.WASHER- (OPT ITEMS 735, 735B)	N	AR
-735B	B0500-038S		.WASHER- (V83553) (OPT ITEMS 735, 735A)	N	AR
738	BACB30NF4-4		.BOLT	N	1
741	NAS1149D0416J		.WASHER	N	1
744	MS20392-3C69		.PIN- (V96906)	N	1
747	141T6661-1		.BASE	N	1
750	141T6663-1		.SPRING	N	1
753	141T6662-1		.PAWL	N	1
756	BACB30NT3K3		.BOLT	N	2
759	NAS1149D0332J		.WASHER	N	2

FIG. & ITEM	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1234567	EFF CODE	QTY PER ASSY
09-					
762	H52732-3CD		.NUT- (V15653) (SPEC BACN10YR3CD) (OPT PLH53CD (V62554))	N	2
765	BACS45A26		.SEAL	N	1
768	BACB30NT2K3		.BOLT	N	1
771	NAS1149DN832J		.WASHER	N	1
774	NAS1149DN816J		.WASHER	N	1
777	141T6133-79		.SUPPORT ASSY-HANDLE (FOR DETAILS SEE FIG. 5)	N	1

- Item Not Illustrated