TO: ALL HOLDERS OF MAIN GEAR LOCK ACTUATOR ASSEMBLY OVERHAUL MANUAL, 32-30-21

REVISION NO. 16, DATED MAR 1/09

HIGHLIGHTS

DESCRIPTION OF CHANGE	TOPICS AFFECTED												
	D & O	D / Assy	Cleaning	Insp/Chk	Repair	Assy	F/C	Test	T/Shooting	S/Tools	Storage	IPL	L/Overhaul
Added the latest rod end (1) and nameplates (17)												X	

MAIN GEAR LOCK ACTUATOR ASSEMBLY

32-30-21

BOEING P/N 65-44810-3 thru -6
65-44825-7 thru -18
69-35500-3 thru -6

AIRLINE P/N

THE FOLLOWING DIRECTIVES APPLY TO THIS SUBJECT:

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVES	DATE DIRECTIVE INCORPORATED INTO TEXT
		PRR 30522	Nov 15/68
		PRR 30668	Nov 15/68
32-1014		PRR 31104	Jun 10/70
		PRR 31941	Dec 25/72

LIST OF EFFECTIVE PAGES

* Indicates pages revised, added or deleted in latest revision
F Indicates foldout pages - print one side only

	PAGE	DATE	PAGE	DATE	PAGE	DATE
	32-30-21					
	T-1	Dec 25/72				
	T-2	BLANK				
*	LEP-1	Mar 1/09				
	LEP-2	BLANK				
	T/C-1	Jan 5/82				
	T/C-2	BLANK				
	1	Jan 5/82				
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	101	Nov 1/05				
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	202	BLANK				
	301	Jan 5/82				
	302	BLANK				
	401	Mar 1/00				
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	403	Mar 1/00				
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	405	Jul 1/00				
	406	Jul 1/00				
	407	Nov 1/00				
	408	Jul 1/08				
	501	Nov 1/05				
	502	Jul 1/06				
	503	Mar 1/98				
	504	BLANK				
	601	Sep 5/93				
	602	BLANK				
	701	Mar 1/95				
	702	BLANK				
	801	Aug 15/67				
	802	BLANK				
	901	Jan 5/82				
	902	BLANK				
	1001	Nov 1/05				
	1002	BLANK				
	1101	Aug 15/67				
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*	1104	Mar 1/09				
	1105	Jul 1/98				
	1106	Jul 1/98				

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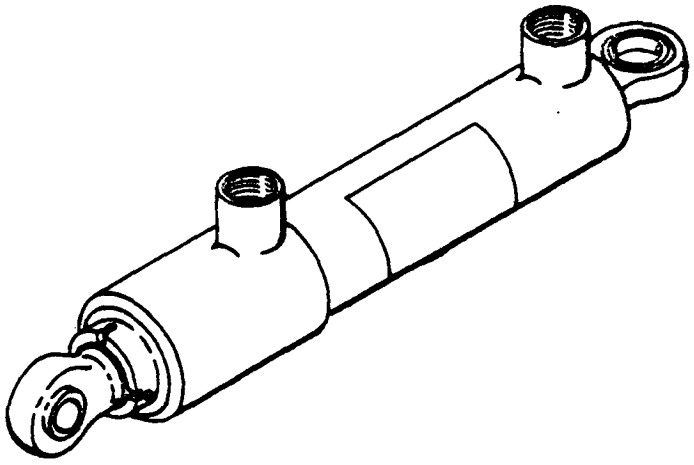
MAIN GEAR LOCK ACTUATOR ASSEMBLY



Main Gear Lock Actuator
Figure 1

DESCRIPTION AND OPERATION

1. The main gear lock actuator assembly is a hydraulic piston consisting of piston and barrel, sealed against leakage by a cap ring and O-ring packings. Pressure applied to one side or the other of the piston unlocks the main gear lock mechanism to permit normal retraction and extension of the landing gear, or locks it in the fully extended or retracted position.

2. Leading Particulars (Approximate)

   Operating Fluid -- BMS 3-11 Hydraulic fluid
   Operating Pressure -- 3000 psi
   Proof Pressure -- 5400 psi
   Length (measured between bearing centerlines)
      Extended -- 12 inches
      Retracted -- 8.3 inches
   Weight -- 1.5-2 pounds
   Port Sizes -- 7/16 -20 UNF-3B for 1/4 inch OD tube

DISASSEMBLY

NOTE: Refer to Fig. 1101 for item numbers, unless shown differently.

1. Equipment

   NOTE: Equivalent substitutes can be used.

   A. F72959-40 -- Spanner wrench

   B. F71313-12 -- Rod end socket wrench

   C. Strap wrench

2. Disassembly

   A. Remove all external lockwiring, transportation plugs, and parts (1 thru 4, Fig. 1102) if installed in the unit.

   B. Drain the hydraulic fluid from the actuator assembly.

   C. Straighten flange of cup lockwasher (2).

   D. Loosen and remove nut (3) with wrench F72959-40.

   E. Remove piston (11) with attached parts (1 thru 10) from barrel (16).

   F. Hold piston (11) with a strap wrench or something that will prevent damage to its machined surface. With wrench F71313-12, remove rod end (1) from piston.

   G. Remove items (2 thru 10, 12, 13) from piston (11).

CLEANING

1. Clean all parts, except rod end (1) and bearing (15), in accordance with standard industry practices and the information contained in 20-30-03.

2. Clean rod end (1) and bearing (15) only by special method for teflon lined bearing in 20-30-01.

INSPECTION/CHECK

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

2. Penetrant check nut (3), sleeve (5) and barrel (16) per 20-20-02.

3. Magnetic particle check rod end (1) and piston (11) per 20-20-01.

4. Check bearings (1, 17) for excessive radial and axial play and that breakaway torque does not exceed 20 lb-in.

   A. Rotate inner race through at least 2 full turns and note any positions of higher than average rotational torque.

   B. Measure breakaway torque at all positions of higher than average rotational torque noted in step (1) above.

   C. If rotational torque was uniform, measure the breakaway torque at three positions approximately 120 degrees apart.

REPAIR

1. Repair (Fig. 1101)

   A. Repair small defects by standard industry practices. Refer to Fits and Clearances for design dimensions and wear limits.

   B. Piston (11) (Fig. 403)

      (1) Machine as required, within repair limits, to remove defects.

      (2) Stress relieve per SOPM 20-10-02.

      (3) Shot peen as indicated.

      (4) Build up with chrome plate.

      (5) Grind to design dimensions and finish.

2. Refinish (Fig. 1101)

   NOTE: Refer to SOPM 20-30-02 for stripping of protective finishes. Refer to SOPM 20-41-01 for explanation of F and SRF finish codes.

   A. Nut (3) -- Chromic acid anodize (F-17.02). Material: Al alloy.

   B. Sleeve (5) -- Fig. 401.

   C. Bearing (8) – Fig. 402.

   D. Piston (11) – Fig. 403.

   E. Barrel (16) – Fig. 404.

3. Replacement (Fig. 1101)

A. Replace O-ring packings (7, 10, 13), backup rings (9), foot seal (6), and cap ring (12) at each overhaul.

B. Bearing (15)

(1) Clean the mating surfaces of the bearing and the housing. Apply a 0.010-0.030 inch thick layer of BMS 5-45 sealant to one of the mating surfaces. Install the bearing immediately and remove unwanted sealant. Do not let sealant get on the Teflon liner of the bearing. Let a sufficient quantity of sealant come out from between the mating surfaces to make a continuous seal.

(2) With an anvil in an arbor press, push the outer edge of the outer race to make a small flange over the housing chamfer on each side of the lug. Do not push on the ball side of the groove.

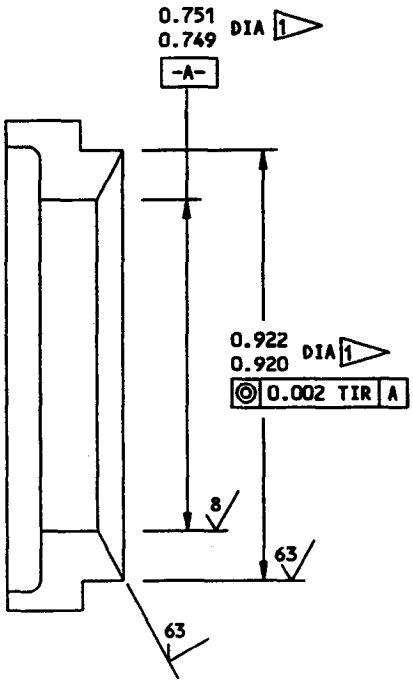
(3) Lubricate the grooves on the bearing face.

(4) Hold the bearing on the anvil, and roller swage the outer lip over the housing chamfer (SOPM 20-50-03).

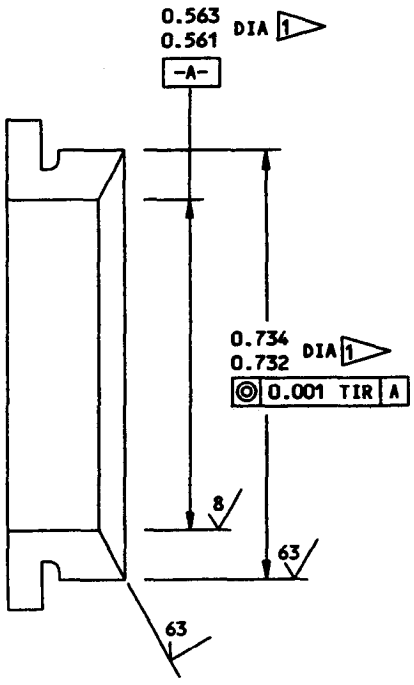
(5) Clean the lubricant from the grooves.

(6) Make a check of the breakaway torque as specified in Inspection/Check.

D. Nameplate (17) -- Steel stamp the serial number and the assembly dash number on the replacement nameplate before you install it. Bend the nameplate to fit the contour of the barrel. Install the nameplate with a new strap (18).



69-35978-1



66-22709-1

REFINISH

CADMIUM PLATE (F-4.201) UNLESS SHOWN BY 1

1 DO NOT PLATE.

REPAIR

(SAME AS REFINISH)

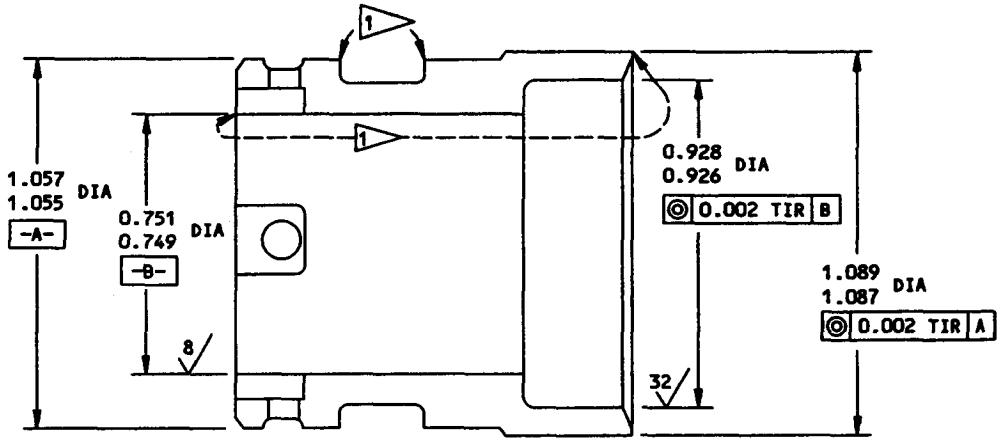
125 ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

MATERIAL: AL-NI-BRONZE PER AMS 4640

ALL DIMENSIONS ARE IN INCHES

SLEEVE (5)

Sleeve Repair and Refinish
Figure 401



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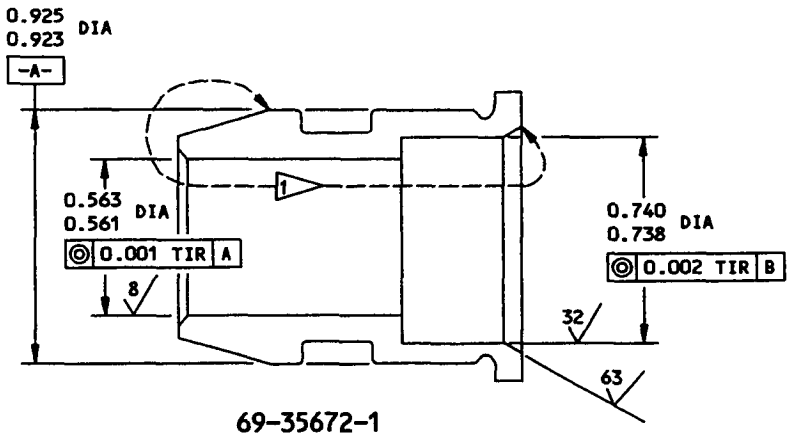


69-35672-1

REFINISH

CADMIUM PLATE (F-4.201), 0.0003-0.0005 THICK, UNLESS SHOWN BY 1

1 DO NOT PLATE.

REPAIR

(SAME AS REFINISH)

125 ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

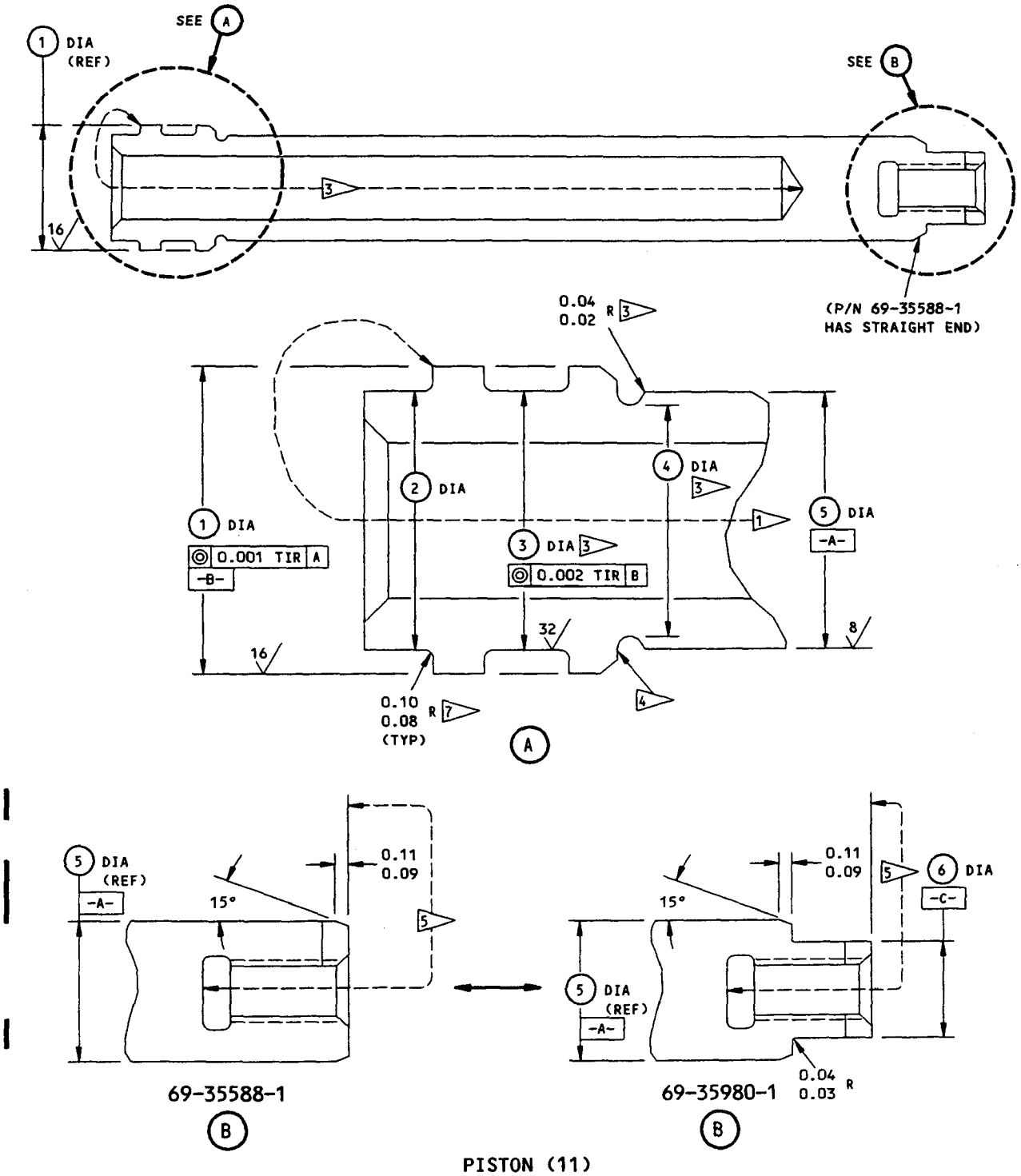
MATERIAL: AL-NI-BRONZE PER AMS 4640

ALL DIMENSIONS ARE IN INCHES

BEARING (8)

Bearing Repair and Refinish
Figure 402

L02682



PISTON (11)

Piston Repair and Refinish
Figure 403 (Sheet 1)

	①	②▷1	②▷2	③	④▷1	④▷2	⑤▷1	⑤▷2	⑥▷2
DESIGN DIM	0.925 0.923	0.57 0.55	0.76 0.74	0.748 0.746	0.53 0.51	0.72 0.70	0.560 0.558	0.748 0.746	0.570 0.550
REPAIR LIMIT	0.903 ▷6	---	---	---	---	---	0.538 ▷6	0.726 ▷6	0.541 ▷8

REFINISH

CHROME PLATE (F-1.90, WHICH REPLACES F-1.842) DIAMETERS -A-, -B-, -C-, WITH RUNOUT AS SHOWN BY ▷4▷. CADMIUM PLATE OTHER SURFACES PER ▷5▷ UNLESS SHOWN BY ▷3▷ ▷7▷

REPAIR

REF ▷6▷ ▷8▷

125 ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

BREAK SHARP EDGES

MATERIAL: 4340 STEEL, 180-200 KSI

SHOT PEEN (SOPM 20-10-03)

ALL DIMENSIONS ARE IN INCHES

▷1▷ 69-35588-1

▷2▷ 69-35980-1

▷3▷ DO NOT PLATE.

▷4▷ PLATING RUNOUT ON THIS SURFACE.

▷5▷ CADMIUM PLATE (F-1.32, WHICH REPLACES F-1.1923).

▷6▷ LIMIT FOR CHROME PLATE BUILDUP (SOPM 20-42-03) AND GRIND TO DESIGN DIMENSIONS AND FINISH (SOPM 20-10-04).

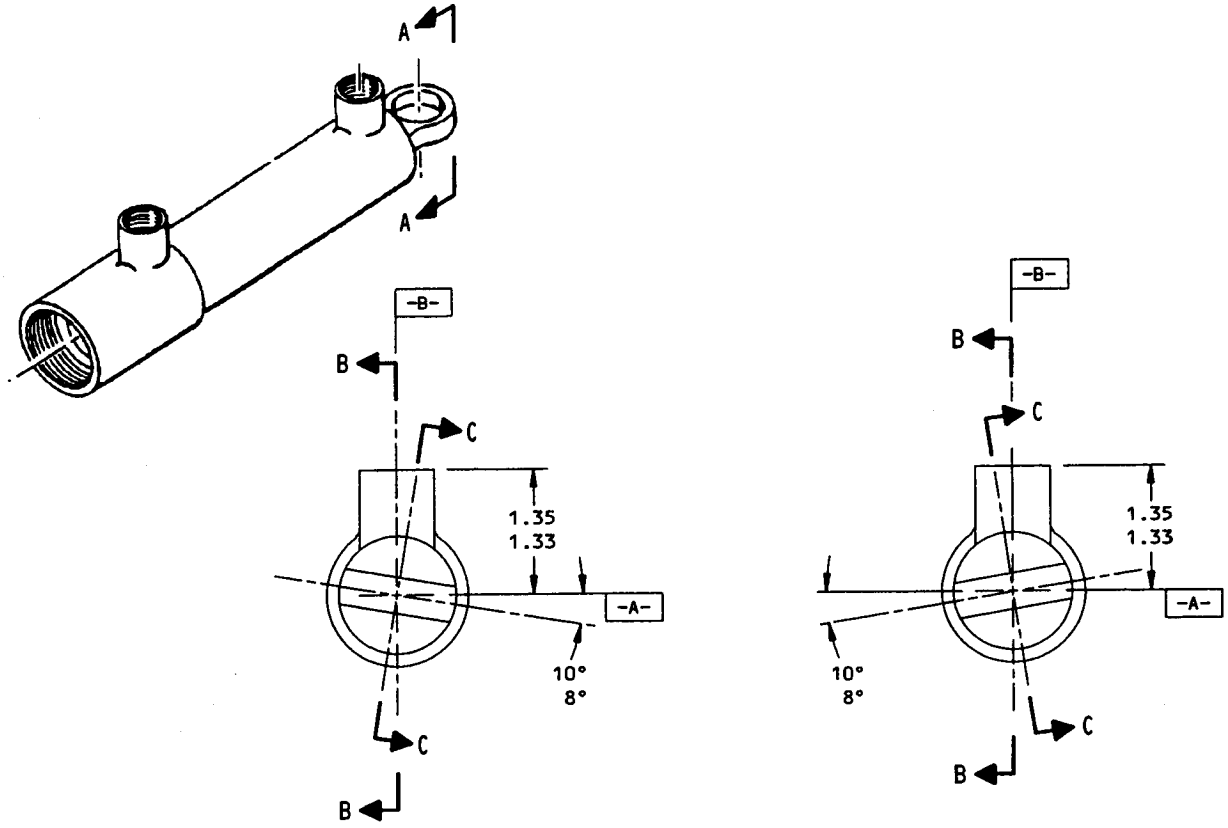
▷7▷ CHROME PLATE THIS SURFACE.

▷8▷ LIMIT FOR SULFAMATE NICKEL PLATE BUILDUP (SOPM 20-42-09) AND MACHINE TO DESIGN DIMENSIONS AND FINISH.

PISTON (11)

Piston Repair and Refinish
Figure 403 (Sheet 2)

L03523

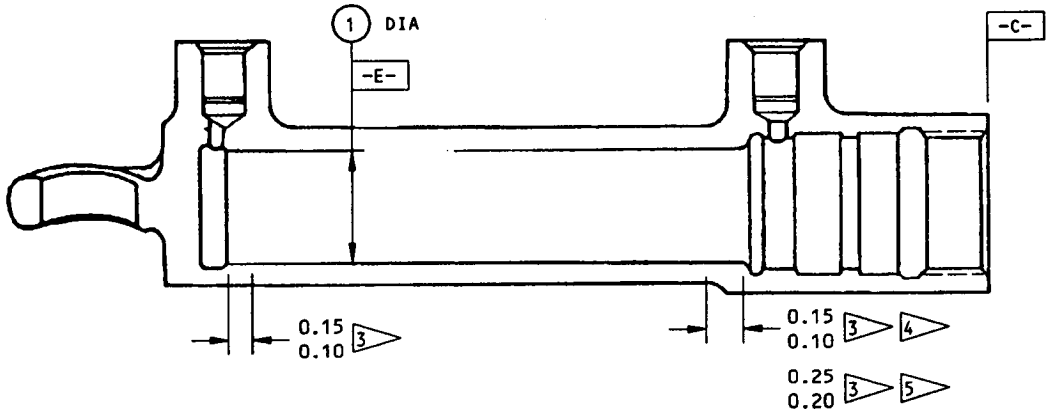


65-44556-3,-8,-13,-18
(RH)

A-A

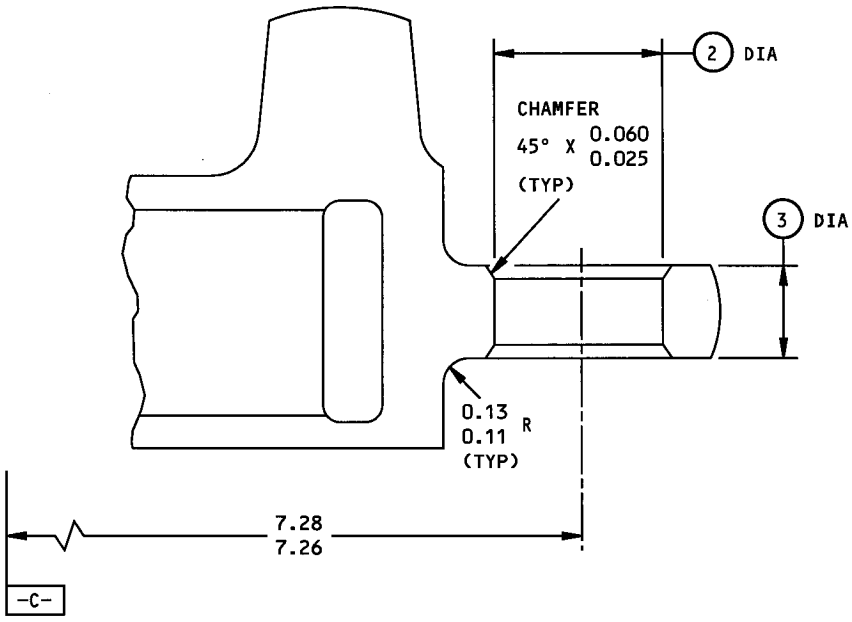
65-44556-4,-9,-14,-19
(LH)

A-A



BARREL (16)

Barrel Repair and Refinish
Figure 404 (Sheet 1)



C-C

	1	2	3
DESIGN DIM	0.929 0.928 [1] 0.928 0.927 [2]	0.8130 0.8125	0.401 0.391
REPAIR LIMIT	---	---	---

REFINISH

HARD ANODIZE (F-2.204) DIA -E.

CHROMIC ACID ANODIZE (F-2.26) OTHER SURFACES.

REPAIR

125 ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

BREAK SHARP EDGES

MATERIAL: AL ALLOY

ALL DIMENSIONS ARE IN INCHES

1. DIMENSION BEFORE COATING
2. DIMENSION AFTER COATING
3. COATING RUNOUT AREA
4. 65-44556-3,-4,-13,-14
5. 65-44556-8,-9,-18,-19

BARREL (16)

Barrel Repair and Refinish
Figure 404 (Sheet 2)

L03592

ASSEMBLY

1. Materials

   NOTE: Equivalent substitutes can be used.

   A. Hydraulic Fluid -- BMS 3-11 (SOPM 20-60-03)

   B. Assembly Lube -- MCS 352 (SOPM 20-60-03)

   C. Grease -- BMS 3-33 or MIL-G-23827 (SOPM 20-60-03)

   D. Sealant -- RTV-174 (Replaces Dow Corning 30-121) (SOPM 20-60-04)

2. Equipment

   NOTE: Equivalent substitutes can be used.

   A. Strap wrench

   B. F71313-12 -- Rod end socket wrench

   C. F72959-40 -- Spanner wrench

3. General (Fig. 1101)

   A. Before assembly, lightly lubricate O-ring packings (7, 10 and 13), backup rings (9), cap ring (12), and foot seal (6) with hydraulic fluid or assembly lube and assemble wet.

   B. Before assembly, lightly lubricate piston rod (11) with grease on internal threads and in thread relief cavity. Do not put grease on the rod end or on surfaces where sealant is to be applied.

4. Assembly (Fig. 1101)

   A. Install O-ring packing (7) and foot seal (6) into bearing (8).

   B. Install O-ring packing (10) and backup rings (9) on bearing (8).

   C. Install bearing (8), sleeve (5), scraper ring (4), and nut (3) on piston (11).

   D. Turn rod end (1), with cup lockwasher (2) attached, into piston (11).

   E. Hold the piston with a strap wrench, or something that will not damage the machined surfaces of piston rod and, with wrench F71313-12, tighten the rod end to 100-130 lb-in. While you tighten the rod end, hold the lockwasher tab to the side of piston slot as shown in Fig. 501. To keep the lockwasher tab in position while you tighten, you can put a screwdriver blade tip or a piece of shim stock 0.010-0.040 inch thick in the gap in the slot.

(1) With a punch approximately 0.14 inch square, locally break the flange of cup lockwasher (2) into the slot on rod end (1). Use the slot in rod end that is farthest from the tab on lockwasher (2).

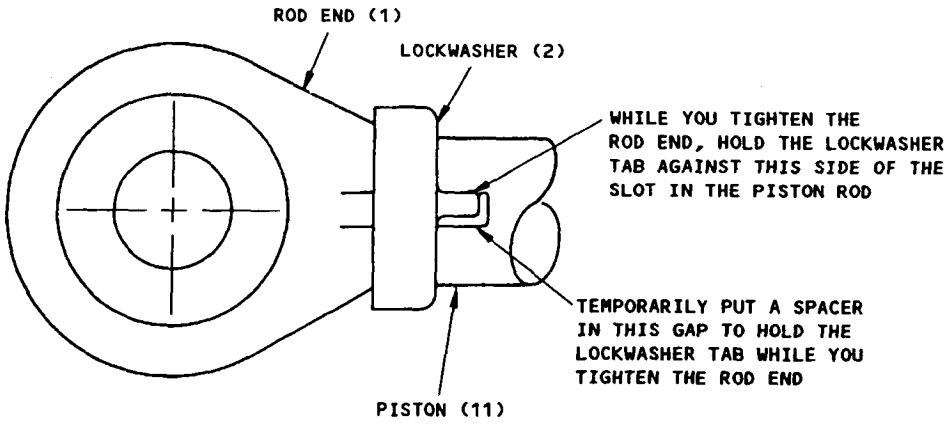
F. Install O-ring (13) and cap ring (12) on piston (11).

G. Install piston (11) and assembled items (3 thru 10) into barrel assembly (14). Tighten nut (3) to 500-600 pound-inches with wrench F72959-40.

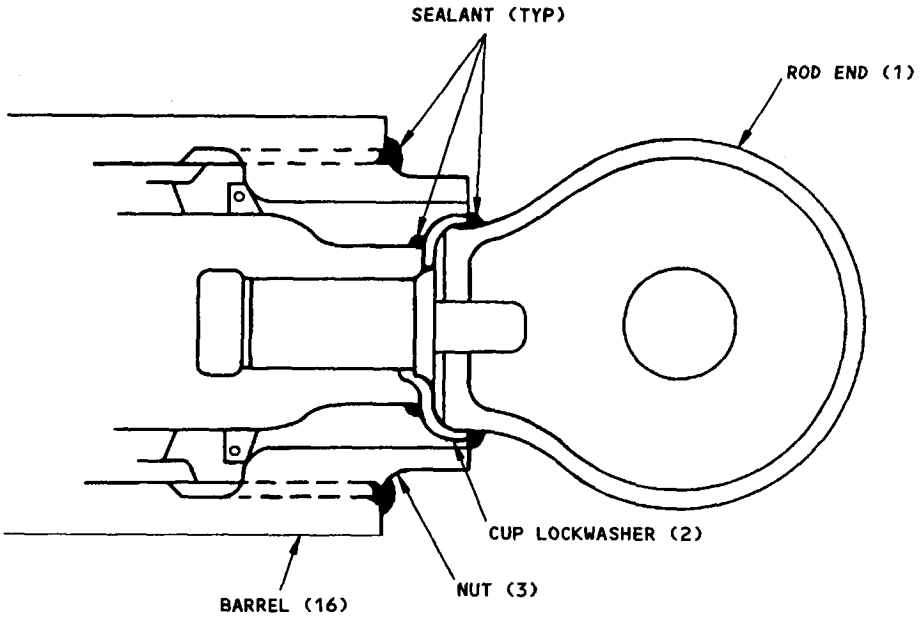
H. Apply a small fillet of sealant around cup lockwasher (2), lockwasher tab groove area and circumference of nut (3) as shown in Fig. 502.

I. If removed, install nameplate (17), and strap (18).

J. Lockwire nut (3) to barrel (16) by the double twist method.



Assembly Details
Figure 501



ITEM NUMBERS REFER TO FIG. 1101

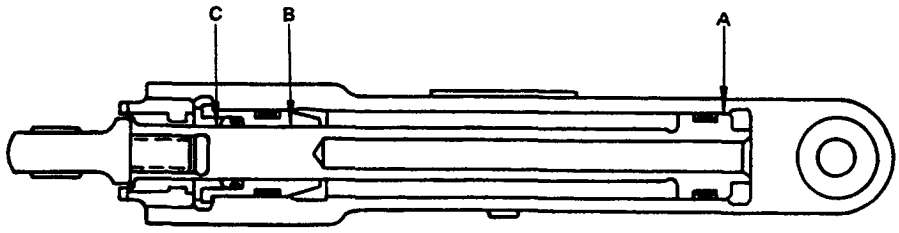
Application of Sealant
Figure 502

FITS AND CLEARANCES

Ref Letter Fig. 601	Mating Item No. Fig. 1101	Design Dimensions				Service Wear Limits		
		Dimensions (inches)		Assembly Clearance (inch)		Dimension Limits (inches)		Maximum Allowable Clearance (inch)
		Min	Max	Min	Max	Min	Max	
A	ID 16	0.927	0.928	0.002	0.005		0.929	0.007
	OD 11	0.923	0.925			0.921		
B*[1]	ID 8	0.561	0.563	0.001	0.005		0.567	0.007
	OD 11	0.558	0.560			0.556		
B*[2]	ID 8	0.749	0.751	0.001	0.005		0.755	0.007
	OD 11	0.746	0.748			0.744		
C*[1]	ID 5	0.561	0.563	0.001	0.005		0.567	0.007
	OD 11	0.558	0.560			0.556		
C*[2]	ID 5	0.749	0.751	0.001	0.005		0.755	0.007
	OD 11	0.746	0.748			0.744		

*[1] Assemblies 69-35500.

*[2] Assemblies 65-44810.



TESTING

1. Test Equipment

   A. Hydraulic test stand capable of providing pressure that is controllable from zero to 5400 psi.

2. Preparation for Test

   A. Do the test at room temperature.

   B. Install hydraulic fittings in ports, and parts (1 thru 4, Fig. 1102), if previously removed.

   C. Fill actuator with hydraulic fluid and bleed off all air.

   D. Do the tests in sequence given below.

      WARNING: DO NOT APPLY COMPRESSED AIR TO PORTS AT ANY TIME. DO NOT CYCLE UNIT AT PROOF PRESSURE.

   E. Tolerance on pressure values is ± 2 percent unless shown differently.

3. Pressure Test

   A. With piston fully extended, apply pressure of 2-10 psi to extend port for a period of 2 minutes. Make sure there is no external leakage.

   B. Repeat step A. with proof pressure of 5400 psi. Make sure there is no external leakage.

   C. Do steps 3.A. and 3.B. again with piston fully retracted and pressure applied to retract port.

   D. With piston fully extended, apply pressure of 3000 psi to extend port. Leakage from open retract port must not be more than 3 drops per minute.

4. Operational Test

   A. Cycle actuator at 3000 psi pressure through 25 full cycles. Leakage at rod seal shall not exceed 2 drops total. Assembly shall operate without sticking or binding.

   B. With both extend and retract ports unpressurized, cycle actuator assembly through one complete cycle. The force necessary to cycle actuator must not be more than 70 pounds.

TROUBLE SHOOTING

1. Trouble During Test After Overhaul (See figure 1101.)

	Trouble	Possible Cause	Correction
A.	Excessive leakage during operational test	Defective back-up rings (9), O-rings (7 and 10) or seal (6)	Replace back-up rings, O-ring or seal
B.	Movement of piston (11) is erratic	Sticking or binding due to dirt accumulations on cap ring (12) and O-ring (13)	Examine and clean or replace cap ring and O-ring
C.	Excessive leakage during 3000 psi proof test	Leakage past cap ring (12) and O-ring (13)	Check cap ring and O-ring for proper installation. Replace if necessary

STORAGE INSTRUCTIONS

1. After testing is completed, partially fill unit with hydraulic fluid BMS 3-11.

   NOTE: If Skydrol 7000 was used for testing, unit should be thoroughly drained and flushed before being filled with hydraulic fluid BMS 3-11.

2. Cap or plug both ports with hydraulic fluid resistant caps and gaskets.

3. Store and protect unit in accordance with standard industry practices and the information contained in 20-44-02 and 20-70-01.

SPECIAL TOOLS, FIXTURES AND EQUIPMENT

NOTE: Equivalent substitutes can be used.

1. Hydraulic Test Stand -- Pressure controllable from zero to 5400 psi
2. F72959-40 -- Spanner Wrench
3. F71313-12 -- Rod end bearing socket wrench
4. Strap Wrench -- Standard

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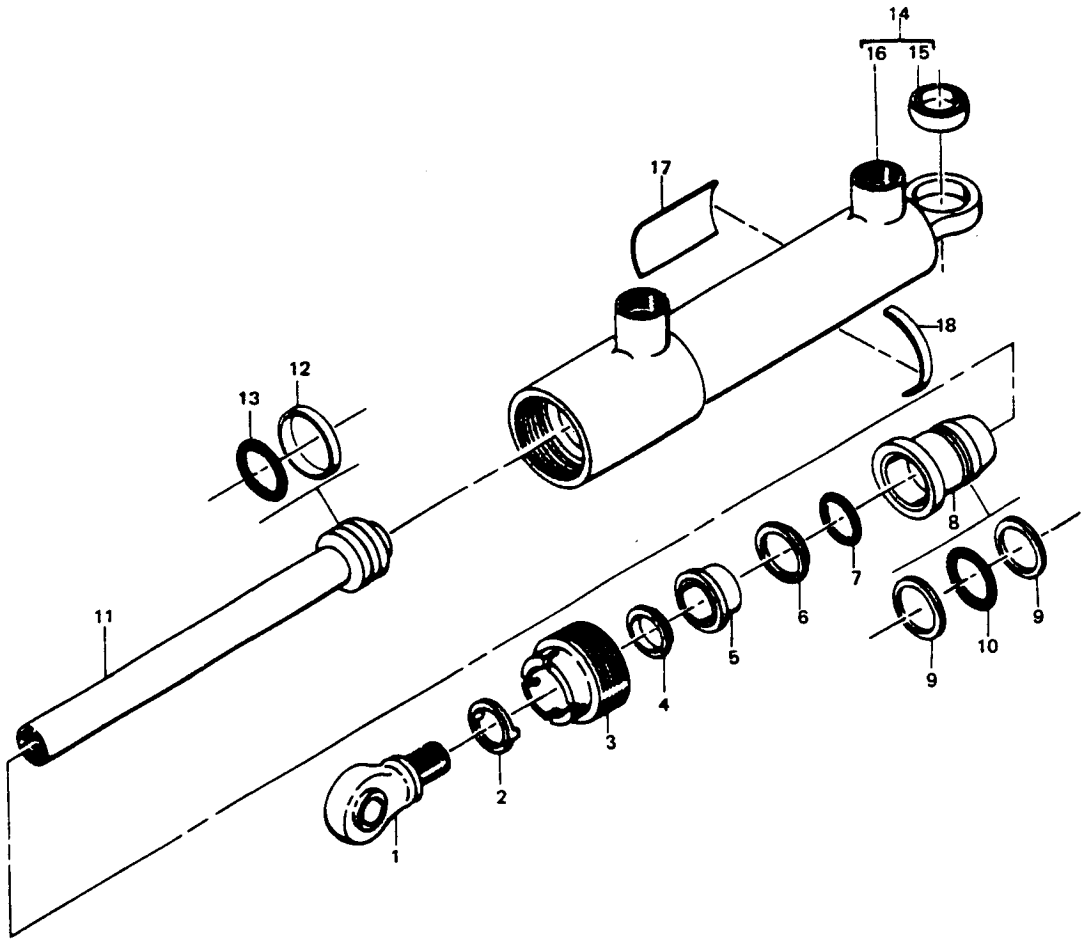
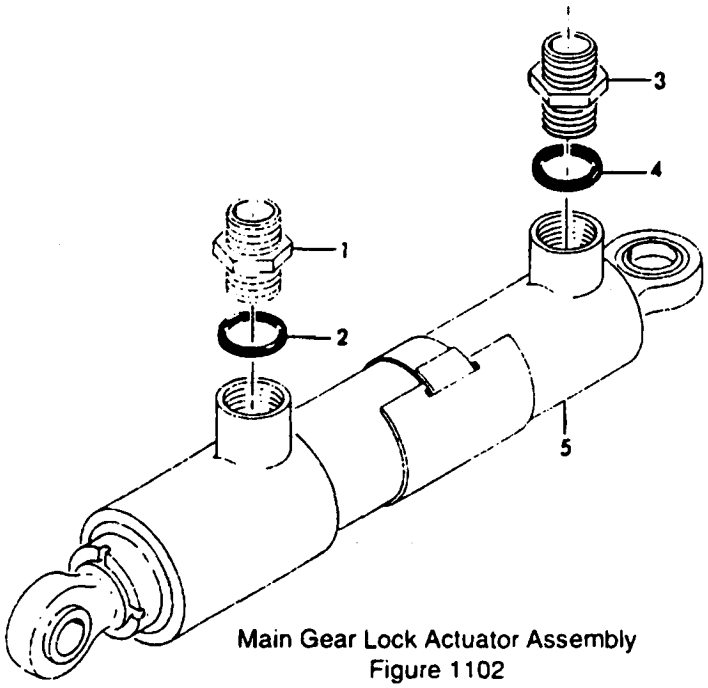


Main Gear Lock Actuator
Figure 1101

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-					
	65-44810-3		ACTUATOR ASSY MAIN GEAR LOCK	A	RF
	65-44810-4		ACTUATOR ASSY MAIN GEAR LOCK	B	RF
	65-44810-5		ACTUATOR ASSY MAIN GEAR LOCK	C	RF
	65-44810-6		ACTUATOR ASSY MAIN GEAR LOCK	D	RF
	69-35500-3		ACTUATOR ASSY MAIN GEAR LOCK	E	RF
	69-35500-4		ACTUATOR ASSY MAIN GEAR LOCK	F	RF
	69-35500-5		ACTUATOR ASSY MAIN GEAR LOCK	G	RF
	69-35500-6		ACTUATOR ASSY MAIN GEAR LOCK	H	RF
1	KSR114708B		. ROD END, V50832 (PREF)		1
1	ADNE8-206		. ROD END, V15860 (BOEING 10-60779-5A) (OPT)		1
1	ANM8-101		. ROD END, V50294 (BOEING 10-60779-5A) (OPT)		1
1	KSR114708B		. ROD END, V50632 (BOEING 10-60779-5A) (OPT)		1
1	MXJRR86-16BAC		. ROD END, V73134 (BOEING 10-60779-5A) (OPT)		1
1	01-820-08E006		. ROD END, V09455 (BOEING 10-60779-5A) (OPT)		1
1	ARHT8E103		. ROD END, V50294 (BOEING 10-60779-5) (OPT)		1
1	DREM8-131		. ROD END, v81376 (BEOING 10-60779-5) (OPT)		1
1	MXJR86-16BAC		. ROD END, V73134 (BOEING 10-60779-5) (OPT)		1
1	NHNE8-206		. ROD END, V15860 (BOEING 10-60779-5) (OPT)		1
1	YTM191		. ROD END, V77896 (BOEING 10-60779-5) (OPT)		1
1	177149		. ROD END, V09455 (BOEING 10-60779-5) (OPT)		1
2	66-12156-19		. LOCKWASHER, CUP		1
3	66-22708-2		. NUT	A-D	1
3	66-22708-1		. NUT	E-H	1
4	BACS34A5		. SCRAPER, SEAL	A-D	1
4	BACS34A2A		. SCRAPER, SEAL	E-H	1
5	69-35978-1		. SLEEVE	A-D	1
5	66-22709-1		. SLEEVE	E-H	1
6	BACS11AA116A		. SEAL, FOOT *[1]	A-D	1
6	BACS11AA113A		. SEAL, FOOT *[2]	E-H	1
7	GTC5394C116		. SEAL ASSY *[1]	A-D	1
7	NAS1611-116		. PACKING, O-RING *[1]	A-D	1
7	GTC5394C113		. SEAL ASSY *[2]	E-H	1
7	NAS1611-113		. PACKING, O-RING *[2]	E-H	1
8	69-35979-1		. BEARING	A-D	1
8	69-35672-1		. BEARING	E-H	1

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-					
9	S11248-118		. RING, BACKUP, V25220	A-D	2
9	MS28774-118		. RING, BACKUP (OPT)	A-D	2
9	MS28782-14		. RING, BACKUP	E-H	2
10	NAS1611-118		. PACKING, O-RING	A-D	1
10	NAS1611-116		. PACKING, O-RING	E-H	1
11	69-35980-1		. PISTON	A-D	1
11	69-35588-1		. PISTON	E-H	1
12	7116MT952T		. SEAL ASSY *[3]		
13	NAS1611-116		. PACKING, O-RING *[3]		1
14	65-44556-6		. BARREL ASSY	A	1
14	65-44556-7		. BARREL ASSY	B	1
14	65-44556-1		. BARREL ASSY	E	1
14	65-44556-2		. BARREL ASSY	F	1
14	65-44556-11		. BARREL ASSY	G	1
14	65-44556-12		. BARREL ASSY	H	1
14	65-44556-16		. BARREL ASSY	C	1
14	65-44556-17		. BARREL ASSY	D	1
15	76423		. . BEARING, V09455 (BOEING 10-60545-147S)		1
15	TGA106		. . BEARING, V11406 (BOEING 10-60545-147S)		1
15	BLFR6-169		. . BEARING, V81376 (BOEING 10-60545-147S)		1
15	KWB6N8		. . BEARING, V97613 (BOEING 10-60545-147S)		1
15	SBSH12ATC26		. . BEARING, V21335 (BOEING 10-60545-147S)		1
16	65-44556-3		. . BARREL (USED ON 65-44556-1)		1
16	65-44556-4		. . BARREL (USED ON 65-44556-2)		1
16	65-44556-8		. . BARREL (USED ON 65-44556-6)		1
16	65-44556-9		. . BARREL (USED ON 65-44556-7)		1
16	65-44556-13		. . BARREL (USED ON 65-44556-11)		1
16	65-44556-14		. . BARREL (USED ON 65-44556-12)		1
16	65-44556-18		. . BARREL (USED ON 65-44556-16)		1
16	65-44556-19		. . BARREL (USED ON 65-44556-17)		1
17	BAC27DHY0264		DELETED		
17	BAC27DHY0356		. NAMEPLATE	A-D	1
17	BAC27DHY68		. NAMEPLATE (OPT)	A-D	1
17	BACN12A3MD		. NAMEPLATE	E-H	1
18	69-35587-1		. STRAP, NAMEPLATE		1

*[1] NAS1611-116 together with BACS11AA116A optional to GTC5394C116
*[2] NAS1611-113 together with BACS11AA113A optional to GTC5394C113
*[3] NAS1611-116 together with 69-54540-116 optional to 7116MT952T



Main Gear Lock Actuator Assembly
Figure 1102

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1102-					
	65-44825-7		MAIN GEAR LOCK ACTUATOR ASSY	A	RF
	65-44825-8		MAIN GEAR LOCK ACTUATOR ASSY	B	RF
	65-44825-9		MAIN GEAR LOCK ACTUATOR ASSY	C	RF
	65-44825-10		MAIN GEAR LOCK ACTUATOR ASSY	D	RF
	65-44825-11		MAIN GEAR LOCK ACTUATOR ASSY	E	RF
	65-44825-12		MAIN GEAR LOCK ACTUATOR ASSY	F	RF
	65-44825-13		MAIN GEAR LOCK ACTUATOR ASSY	G	RF
	65-44825-14		MAIN GEAR LOCK ACTUATOR ASSY	H	RF
	65-44825-15		MAIN GEAR LOCK ACTUATOR ASSY	I	RF
	65-44825-16		MAIN GEAR LOCK ACTUATOR ASSY	J	RF
	65-44825-17		MAIN GEAR LOCK ACTUATOR ASSY	K	RF
	65-44825-18		MAIN GEAR LOCK ACTUATOR ASSY	L	RF
1	MS21902-4		. UNION	A-D	1
1	MS21916-6-4		. UNION	A-D	1
1	MS21916-6-4		. UNION	E-L	1
2	NAS1612-4		. PACKING, O-RING		1
3	MS21902-4		. UNION		1
4	NAS1612-4		. PACKING, O-RING		1

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1102-					
	69-35500-3		. ACTUATOR ASSY (FIG. 1101)	AE	1
5	69-35500-4		. ACTUATOR ASSY (FIG. 1101)	BF	1
5	69-35500-5		. ACTUATOR ASSY (FIG. 1101)	I	1
5	69-35500-6		. ACTUATOR ASSY (FIG. 1101)	J	1
5	65-44810-3		. ACTUATOR ASSY (FIG. 1101)	CG	1
5	65-44810-4		. ACTUATOR ASSY (FIG. 1101)	DH	1
5	65-44810-5		. ACTUATOR ASSY (FIG. 1101)	K	1
5	65-44810-6		. ACTUATOR ASSY (FIG. 1101)	L	1

VENDORS

V09455	RBC TRANSPORT DYNAMICS CORP., P.O. BOX 1953 3131 WEST SEGERSTROM ST., SANTA ANA, CALIFORNIA 92702-1953
V11406	REXNORD HOLDINGS INC., 4701 W. GREENFIELD AVE, MILWAUKEE, WISCONSIN 53214
V15860	NEW HAMPSHIRE BALL BEARINGS INC., ASTRO DIV., 155 LEXINGTON AVE., LACONIA, NEW HAMPSHIRE 03246-2937
V21335	TORRINGTON CO., FAFNAIR BEARING DIV., 59 FIELD ST., TORRINGTON CONNECTICUT 06790-4942
V25220	BUSAK AND SHAMBAN, INC., 2951-28TH ST., SUITE 2010, SANTA MONICA, CALIFORNIA 90405
V50294	NMBB, INC., 9727 DE SOTO AVE., CHATSWORTH, CALIFORNIA 91311-4373
V50632	KAMATICS CORP., 1330 BLUE HILLS AVE., BLOOMFIELD, CONNECTICUT 06002
V72902	PALMETTO, INC., 25 ENGERMAN AVE., DENTON, MARYLAND 21629 (FORMERLY GREENE TWEED AND COMPANY)
V73134	ROLLER BEARING CO. OF AMERICA INC., HEIM BEARINGS DIV., 60 ROUND HILL RD., P.O. BOX 430, FAIRFIELD, CONNECTICUT 06430-0430
V77896	REXNORD INC., BEARING OPERATION, 2400 CURTISS ST., DOWNERS GROVE, ILLINOIS 60515
V81376	SOUTHWEST PRODUCTS CO., 2240 BUENA VISTA ST., P.O. BOX 2046, BALDWIN PARK, CALIFORNIA 91706-1026
V97613	SARGENT CONTROLS AND AEROSPACE, KAHR BEARING DIV., 5675 W. BURLINGAME RD., P.O. BOX 730, CORTARO, ARIZONA 85652-0730