TO: ALL HOLDERS OF NOSE GEAR BUILDUP OVERHAUL MANUAL, 32-26-11

REVISION NO. 60, 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 refinish of more miscellaneous parts					X								
Added clarifications and updated callouts					X							X	

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NOSE GEAR BUILDUP
32-26-11

BOEING P/N NO ASSIGNED PART NUMBER

AIRLINE P/N

THE FOLLOWING DIRECTIVES APPLY TO THIS SUBJECT:

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVES	DATE DIRECTIVE INCORPORATED INTO TEXT
		PRR 30554	Nov 15/67
		PRR 30613	Nov 15/67
		PRR 30801	Feb 15/69
32-1010		PRR 31019	Feb 15/69
33-1010		PRR 31272	Feb 15/69
		PRR 31272-1	Feb 15/69
		PRR 30571	May 15/69
		PRR 31274	May 15/69
32-1038		MC 3400-16K	Jun 10/70
		MR 39048	Jun 10/70
		PRR RC 10958	Jun 10/70
32-1030		PRR 31555	Jun 10/70
32-1033		PRR 31654	Jun 10/70
		PRR 31950-1	Dec 25/72
32-1049			Jun 25/73
		PRR 32290-1	Aug 10/73
		PRR 32200-22	Mar 25/74
		MC 3454-7	Jun 25/75
32-1079		MC 3454-7K	Dec 25/75

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVES	DATE DIRECTIVE INCORPORATED INTO TEXT
		PRR 32513	Jun 25/75
		PRR 32513-1	Dec 25/75
33-1037		PRR 32668	Jul 5/78
		MC 3450-14	Jul 5/78
33-1041		PRR 32892	Jul 5/79
		PRR 32756-15	Jul 5/80
32-1100		PRR 32951	Jul 5/80
33-1041R1			Jan 5/81
33-1100R1		PRR 33102	Jan 5/83
33-1041R2		PRR 33115	Jan 5/83
		PRR 33180-3	Jan 5/83
		PRR 33215	Jul 5/83
32-1144		MC 3454-37K	Dec 5/83
32-1141		PRR 33351-R	Jun 5/84
33-1041R3			Jun 5/84
32-1100R2		PRR 33347-R	Jun 5/84
		PRR 33536	Jun 5/84
		PRR 33540	Jun 5/84
32-1150		MC 3400-111K	Mar 5/85
32-1153		MC 3400-113K	Mar 5/85
32-1153 Rev 1			Mar 5/85
32-1100 Rev 5			Jun 5/86
		PRR 33004-57	Jun 5/87
		MC 0310MK3054	Jun 5/88
		PRR 34477	Jun 5/88
		MC 0310MK3021	Sep 5/88
		MC 0310MK3038	Sep 5/88
		SL 32-40	Sep 5/88
32-1191			Mar 5/89
		PRR 34509	Mar 5/89
		MC 0310MK3040	Mar 5/89
		MC 0310MK3101	Jun 5/89
32-1226		MC 0310MK3097	Dec 5/89
32-1233		MC 0310MK3109	Dec 5/89
32-1237		MC 3240MK3012	Mar 5/90
32-1247		MC 0310MK3027	Dec 5/90
		MC 0310MK3102	Dec 5/91
		MC 3240MP3093	Dec 5/91
		MC 3240MP3107	Mar 5/92
32-1268		MC 0310MK3027	Sep 5/92
32-1191, Rev 3			Dec 5/93
		MC 0310MK3034	Sep 1/94
32-1276		MC 0310MK3318	Sep 1/94
32-1280		MC 0310MK3027	Sep 1/95
33-1099, Rev 1		PRR 35032-R	Sep 1/95
32-1283		MC 0310MK3315	Jun 1/96
32-1284		MC 0310MK3054	Jun 1/96
32-1289		PRR 35005-132	Nov 1/04
32-1396		MC 3200MK3058	Nov 1/08
32-1400		MC 3200MK3056	Nov 1/08

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F Indicates foldout pages - print one side only

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	T/C-1	Jul 5/80		509	Nov 1/02		1122A	Nov 1/01
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*[1] Special instructions not required. Use standard industry practices and the information contained in 20-30-01 and 20-30-03.

NOSE GEAR BUILDUP

DESCRIPTION AND OPERATION

1. The nose gear buildup is an interchangeable module consisting of the nose gear assembly, wheels and tires, steering controls, hydraulic tubing, valves, electrical wiring and conduit. A taxi light and a gravel deflector may be included.

2. The nose gear, together with the main gear, provides a shock-absorbing, rolling support during ground operation. Steering signals to the nose gear are relayed by cables from the metering valve to the steering cylinders.

3. Leading Particulars (Approximate)

   Length -- 44 inches (shock strut compressed)
   56 inches (shock strut extended)
   Width -- 27 inches
   Depth -- 38 inches

DISASSEMBLY

1. Put the unit in a vertical position with the air valve at the top. Make sure that the air pressure is released from shock strut. Then remove the cap from the air valve and slowly loosen the swivel nut.

   WARNING: DO NOT RELEASE THE AIR PRESSURE UNLESS THE UNIT IS VERTICAL WITH THE VALVE AT THE TOP. DO NOT TRY TO REMOVE THE VALVE UNLESS THE PRESSURE IS RELEASED, OR THE VALVE COULD EJECT AND INJURE PERSONNEL.

2. Remove wheels and tires (Fig. 1101).

   CAUTION: THE SHOCK STRUT INNER CYLINDER COULD HAVE UNDERSIZE AXLE THREADS THAT MUST BE USED ONLY WITH SPECIAL UNDERSIZE WHEEL RETAINER NUT (5, FIG. 1101) 69-77849 SERIES.

   A. Remove screws (4), nut (5), and washer (6).

   B. Remove wheel and tire assembly (7) from each axle.

   C. Remove cotter pins (10) and spacer (11) from the axles. Install the axle and thread protectors of set F72913-10 or F72913-15, as applicable.

3. Remove taxi light (if installed) and tow fitting (Fig. 1101).

   CAUTION: THE SHOCK STRUT COULD HAVE THE TOW FITTING ATTACH LUG CUT SHORTER AND A SPECIAL REPAIR TOW FITTING INSTALLED. THIS TOW FITTING IS A MATCHED SET WITH THE INNER CYLINDER BECAUSE THE HOLES IN THE ATTACH LUG WERE DRILLED TO AGREE WITH THE HOLES IN THIS FITTING.

   A. If no taxi light is installed, remove (as applicable) nuts (12 or 17C), washers (13 or 17A, 17B), bolts (14 or 17), shims (16) and tow fitting (15). If taxi light is installed:

      (1) Disconnect conduit (170) at taxi light.

      (2) Remove nuts (12), washers (13), shims (16) and bolts (186). If applicable, remove nuts (17C), washers (17A, 17B), and bolts (17). Remove tow fitting (15) from bracket (198),or light assembly (186A).

      (3) Remove bolts (187) and the taxi light from bracket (198). Then remove screws (188) and disassemble cover (189), lamp (192), and housing (193).

      (4) Remove parts (171 thru 184Q) and the conduit.

   B. Remove cotter pin (199), nut (200), washers (201) and bolt (202) from tow fitting (15).

4. Remove steering control mechanism (Fig. 1101).

   (1) Remove the 65-44713 cover from the metering valve and the steering plates.

   NOTE: This cover and its fasteners are part of the nose gear assembly (OHM 32-26-01).

   (2) Remove parts (19 thru 28) and detach link assembly (29).

   (3) Remove parts (36 thru 41) and detach crank and pulleys.

   (4) Remove parts (42 thru 62 and 65 thru 90).

5. Remove nose wheel steering cable (if installed) (Fig. 1101).

   A. Remove lockwire from spring pins (208) on steering collar.

   B. Remove spring pins (208).

   C. Remove cable guards (88, 102) as necessary to remove cables (206, 207) from the steering mechanism and pulley (98) on pulley mount (95).

6. Remove piston position cables (if installed) (Fig. 1101).

   A. Remove cotter pins (205) at the ends of the cable terminals on each side of quadrant (141).

   B. Remove nuts (146), spacers (147), washers (148) and screws (149) to remove cables (203, 204) from pulleys (121) on pulley mount (95).

7. Remove piston position components (Fig. 1101).

   A. Unscrew the large nut on the air valve and remove nut (NAS509-18) and washer (66-24147-1).

   NOTE: These parts are part of shock struts thru 65-46200-53 as items (6, 7, Fig. 1101, OHM 32-21-11). On later shock struts, these parts are part of the 65-46399-4 piston position installation (91) as nut (91A), washer (91B).

   B. Remove parts (92, 93, 94), remove pulley mount (95) from the shock strut, and remove parts (96 thru 102).

   C. Remove parts (103 thru 112) and spring cartridge (113).

   D. Remove parts (114 thru 116) and fitting (133) and shims (117).

   E. Remove parts (118 thru 124) from fitting (133).

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F. Remove quadrant (141).

(1) Remove cotter pin (126), nut (127), washer (128) or parts 127A, 127B, 128A, 128B) and detach crank (129).

(2) Remove spacer (130), if used.

(3) Slide quadrant and shaft out of fitting (133) and remove bearing (131) and spacer (132).

(4) Remove nut (137), washer (138), and bolt (139) from quadrant and shaft (140).

NOTE: Do not remove bearing (135) from fitting, or parts (146 thru 149) from quadrant, unless necessary for repair or cable removal.

8. Remove trunnion pins and hydraulic components.

A. Nose gear without gravel deflector (Fig. 1101).

(1) Disconnect and remove hydraulic tubes (158, 159) or (158A, 158B, 159A, 159B), as applicable.

(2) Remove spring pins (150), and lockpins (151) from each trunnion arm on shock strut.

(3) Slide pins (152, 153) with installed parts out of mounting holes.

(4) Remove screws (154), lock (155), and nut (156) from pin (152).

(5) Remove cables (203, 204, 206, 207) if installed.

(6) Remove pin (161) and remove swivel installation (160) from pin (153).

(7) Remove screws (163), clamps (164), and swivels (168) from bracket (165).

B. Nose gear with gravel deflector (Fig. 1102).

(1) Remove parts (1 thru 4).

(2) Remove hoses (27, 28), tubes (5, 6), and (5A, 6A) or (5B, 5C, 6B, 6C), as applicable.

(3) Disassemble parts (39 thru 42).

(4) Disassemble parts (29 thru 38).

(5) Remove parts (15 thru 26).

(6) Remove parts (150 thru 156, Fig. 1101).

(7) Disassemble parts (8 thru 13).

C. Steering depressurization valve (Fig. 1104) (if applicable)

(1) Remove bolts (55, 60), washers (65) and valve (5).

(2) Remove nuts (50), washers (45), bolts (35, 40) and bracket (75). Do not disassemble bracket (75) unless necessary for repair.

(3) Refer to 32-51-43 for overhaul of valve (30).

9. Remove nose gear jack fitting (Fig. 1103).

NOTE: Jack fitting is used on nose gear with gravel deflector only.

A. Disassemble parts (1 thru 7) to release collars (8) and blocks (9).

B. Disassemble parts (10 thru 12). Remove jacking shoe (22) with attached parts from shock strut.

C. Remove parts (13 thru 21) from jacking shoe.

INSPECTION/CHECK

1. Examine all parts for defects by standard industry practices. Refer to Fits and Clearances for design dimensions and wear limits.

2. Examine the axle nut (5) threads for nicks, burrs, defects and wear. Measure the thread pitch diameter and the minor diameter and compare them with the thread dimensions shown in Fig. 601. Measure the minor diameter with an F80198-series plug gage or the equivalent class X Go/No Go vendor tool. Measure the pitch diameter with the applicable No Go nut gage. Be sure to use the correct tools for the thread size.

   NOTE: A Johnson GJ-5/PD-MD thread measuring system (or equivalent) can be used as an option to measure the threads, but separate measuring segment and master thread gage ring are necessary for each thread size. The gage ring is used to set the dial indicator before you measure the threads.

3. Examine conduit assembly (170, Fig. 1101) and hoses (27, 28, Fig. 1102) for breaks and kinks. Make a check of the electrical continuity and connector pins of the conduit assembly. Bent pins can be carefully straightened.

4. Penetrant check (SOPM 20-20-02) -- (Fig. 1101) titanium tow fittings (15), crank (45), bracket (71), mount (95), fitting (134).

5. Magnetic particle check (SOPM 20-20-01) -- (Fig. 1101) nuts (5, 156), washers (6, 91B), steel tow fittings (15), trunnion (62), crank (129), pins (151, 152, 153), lock (155); bolt (36, Fig. 1102); (Fig. 1103) collar (8), block (9), pin (20), shoe (22).

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REPAIR

1. Repair small defects by standard industry practices. Refer to Fits and Clearances for design dimensions and wear limits. Refer to SOPM 20-10-01 and CMM 32-00-05 for repair or refinish of high strength steel parts.

2. Trunnion pins (152, 153) (Fig. 401).

   A. Outer diameter (OD)

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

      (2) Shot peen as indicated.

      (3) Build up with chrome plate and grind to design dimensions and finish.

   B. Hole for lockpin

      (1) Remove the chrome plate from the OD surface around the hole, but not more than 0.66 inch diameter.

      (2) Machine the hole as required, within repair limits, to remove defects.

      (3) If the hole repair diameter is not more than 0.412 inch, shot peen, build up with chrome plate, and grind to design diameter.

      (4) If the hole repair diameter is more than 0.412 inch:

         (a) Shot peen as indicated.

         (b) Cadmium plate the hole and apply BMS 10-11, Type 1 primer.

         (c) Make a flanged repair bushing as shown, with OD for 0.0003-0.0013 interference fit before plating and primer. Cadmium plate the bushing OD as indicated.

         (d) Install bushing by the shrink fit method (SOPM 20-50-03).

         (e) Machine the ends of the bushing until they are smooth with the adjacent OD and ID surfaces.

         (f) Machine the bushing ID to design dimensions.

   C. Bore (69-41248-series only)

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

      (2) Shot peen as indicated.

      (3) Build up with nickel plate and machine to design dimensions and finish.

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3. Fitting (134) (Fig. 405)

   A. Diameter 7 Holes for attaching bolts (116) on 65-46396-2 fittings

      (1) Machine the 0.385-0.391 inch diameter holes to 0.400-0.404 inch diameter (2 locations).

      (2) Chemical treat (F-17.10) the machined holes.

      (3) Change the 65-46396-2 fitting part number to 65-46396-4.

      (4) Change the 65-46396-1 fitting assembly part number to 65-46396-3.

   B. Other holes

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

      (2) Chemical treat the machined surfaces.

      (3) Make repair bushings (Fig. 406) to adjust for the material removed.

      (4) Install the interference-fit bushings by the shrink fit method (SOPM 20-50-03) and machine them as necessary to design dimensions and finish. Roller swage or ball stake the fitting over the bushing as shown.

      (5) Install the clearance-fit bushings and use tape or something equivalent to hold them in position until the fitting is installed.

4. Tow Fitting (15) (69-41278-series) (Fig. 402)

   A. Holes for bushings.

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

      (2) Shot peen as indicated.

      (3) Make repair bushings (Fig. 406).

      (4) Install the bushings by the shrink fit procedure (SOPM 20-50-03). Machine (hone) bushings to design dimensions shown.

   B. Lug Faces

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

      (2) Shot peen as indicated.

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(3) For installation of repair bushings, build up lug faces with chrome plate and grind to design dimensions and finish. Chrome plate thickness must not be more than 0.015 inch after grinding.

(4) Make repair bushings per Fig. 406.

(5) Install and machine the bushings per step 4.A.(4).

5. Refinish

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. Fig. 1101 Parts

(1) Wheel retainer nut (5)

(a) 69-39154-1 -- Passivate (F-17.25, which replaces F-17.09). Material: 15-5PH or 17-4PH CRES, 180-200 ksi.

(b) 69-39154-2 -- Passivate (F-17.25, which replaces F-17.09). Material: 15-5PH or 17-4PH CRES, 180-200 ksi.

(c) 69-77849-1 -- Cadmium plate (F-15.02) all over. Apply BMS 10-11, Type 1 primer (F-20.02) and yellow BMS 10-60 enamel (F-14.9815-302, which replaces SRF-14.9815-302), but not on threads or flat face. Wipe the threads with BMS 10-11, Type 1 primer (F-19.45). Material: 17-4PH or 15-5PH CRES, 180-200 ksi.

(d) 69-77849-2 -- Passivate (F-17.25, which replaces F-17.09) all over. Apply BMS 10-11, Type 1 primer (F-20.02) and yellow BMS 10-60 enamel (F-14.9815-302, which replaces SRF-14.9815-302), but not on the threads or the flat face. Material: 17-4PH or 15-5PH CRES, 180-200 ksi.

(2) Washer (6)

(a) 69-39155-1 -- Passivate (F-17.25, which replaces F-17.09). Material: 17-4PH CRES, 180-200 ksi.

(b) 69-39155-2 -- Thin dense chrome plate (F-15.43, which replaces F-14.892) on faces, and optional on other surfaces, but no chrome plate in ID or threaded holes. Passivate (F-17.25, which replaces F-17.09) the surfaces that are not chrome plated. Material: 15-5PH or 17-4PH CRES, 180-200 ksi.

(3) Spacer (11) -- Chromic acid anodize (F-17.04) all over. Material: Al alloy.

(4) Bolt (14) - Cadmium plate (F-4.201). Material: Al-Ni-Bronze (AMS 4640).

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(5) Tow fitting (15) (69-41278-series) -- See Fig. 402.

(6) Tow fitting (15) (65C36787-2) -- See Fig. 403.

(7) Coupling (30) -- Cadmium plate (F-15.06). Material: 4340 steel, 150-170 ksi.

(8) Crank (45):

(a) 65-46393-2 -- Chromic acid anodize and apply primer BMS 10-11, Type 1 (SRF-2.19) and enamel BMS 10-11, Type 2 color 707 (SRF-12.63). No primer or enamel in holes. Material: Al alloy.

(b) 65-46393-5 -- Anodize and apply primer BMS 10-11, Type 1 (F-18.04) and enamel BMS 10-11, Type 2 color 707 (SRF-12.63). No primer or enamel in holes. Material: Al alloy.

(c) 65C22605-2 -- Chromic acid anodize and apply primer BMS 10-11, Type 1 (F-18.13) and enamel BMS 10-60 color 707 (SRF-14.9813). No primer or enamel in holes. Material: Al alloy.

(9) Guide tube (46B) -- Chromic acid anodize (F-17.02) and apply primer BMS 10-11, Type 1 (F-20.02) followed by enamel BMS 10-60, color 707 (SRF-14.9813) but no primer or enamel on 0.418-0.421 inch diameter. Material: Al alloy.

(10) Trunnion (62) -- Passivate (F-8.07). Apply BMS 10-11, Type 1 primer (SRF-12.206) and BMS 10-11, Type 2 enamel (SRF-12.63) except on threads, holes, and surfaces which pivot or slide against mating parts. Material: 17-4PH CRES, 150-170 ksi.

(11) Bracket (71, 71D) - Chromic acid anodize and apply primer BMS 10-11, Type 1 (SRF-2.19 or F-18.13). On 65-52862-1 bracket, apply enamel BMS 10-11, Type 2 (SRF-12.63). On 65C22148-2 bracket, apply enamel BMS 10-60 color 707 (SRF-14.9813). Omit primer and enamel in holes. Material: Al alloy.

(12) Fitting (71K) -- Chromic acid anodize (F-17.19). Apply BMS 10-11, Type 1 primer (F-20.02) and BMS 10-60 enamel (F-14.9813, which replaces SRF-14.9813) but not in holes. Material: Al alloy.

(13) Retainer (77) -- Boric acid - sulfuric acid anodize or chromic acid anodize (F-17.31). Apply BMS 10-79, Type 3 primer (F-19.47) and BMS 10-60, Type 2 enamel (F-19.39-707). Material: Al alloy.

(14) Guard assembly (88) -- Apply BMS 10-11, Type 1 primer and BMS 10-11, Type 2 enamel (SRF-12.63) but not on bolts (90).

(15) Guard (89) -- Chromic acid anodize (F-2.26). Material: Al alloy.

(16) Washer (91B) -- Cadmium plate all over (F-1.1923). Material: 4340 steel, 150-170 ksi.

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(17) Pulley mount (95), quadrant (145), spacer (128B) -- Chromic acid anodize and apply BMS 10-11, Type 1 primer (SRF-2.19) all over. Then apply BMS 10-11, Type 1 primer (SRF-12.206) and BMS 10-11, Type 2 enamel (SRF-12.63) but not on threads, holes, and surfaces which pivot or slide against mating parts. Material: Al alloy.

(18) Guard (102) -- Boric acid - sulfuric acid anodize or chromic acid anodize (F-17.31). Apply BMS 10-79, Type 3 primer (F-19.47) and BMS 10-60, Type 2 enamel (F-19.39-707), but no primer or enamel in the hole. Material: Al alloy.

(19) Bracket (106) -- Chemical treat or chromic acid anodize and apply BMS 10-11, Type 1 primer (SRF-2.30). Material: Al alloy.

(20) Crank (129) -- Cadmium plate (F-1.1927), 0.0002-0.0003 inch thick. Material: 4340 steel, 180-200 ksi.

(21) Fitting (134) -- Fig. 405.

(22) Shaft (140) -- Cadmium plate (F-1.1926) on outer surfaces. Apply BMS 10-11, Type 1 primer (SRF-12.206) in bore and when dry, apply MIL-C-16173, grade 1 corrosion preventive compound (F-14.13). Material: 4340 steel, 180-200 ksi.

(23) Pin (151) -- Passivate (F-17.25, which replaces F-17.09). Material: 17-4PH CRES, 180-200 ksi.

(24) Pins (152, 153) -- Fig. 401.

(25) Lock (155) -- Passivate (F-17.25, which replaces F-17.09). Material: 17-4PH CRES, 180-200 ksi.

(26) Nut (156) -- Passivate (F-8.07). Material: 17-4PH CRES, 180-200 ksi.

(27) Tube assemblies (158, 158A, 158B, 159, 159A, 159B)

(a) 65-44567-2, -3 -- No finish (F-8.05). Material: 304 CRES.

(b) 65-44567-1002, -1003 -- No finish (F-8.05). Material: CRES per BMS 7-185.

(c) 65-44567-3002, -3003 -- Apply BMS 10-11, Type 1 primer (SRF-12.206). Material: CRES per BMS 7-185.

(d) 65-44567-3015, -3016, -3017, -3018 -- Passivate (F-17.25, which replaces F-17.09). Apply BMS 10-11, Type 1 primer (F-20.02) and BMS 10-11, Type 2 enamel (F-21.03) on exterior surfaces only. Material: CRES per BMS 7-185.

(28) Clamp, bonded (164) -- No finish (F-25.01). Material: Nylon.

(29) Bracket (166) -- No finish. Material: Plastic.

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(30) Bracket clamps (173, 175, 176, 179, 180, 181A, 181B, 182, 183, 184A, 184B, 184E, 184F) -- Chromic acid anodize and apply BMS 10-11, Type 1 primer (SRF-2.19) and BMS 10-11, Type 2 enamel (SRF-12.63). Material: Al alloy.

(31) Bracket (176T) -- Anodize and apply primer BMS 10-11, Type 1 (F-18.04) and gray enamel BMS 10-11, Type 2 (F-21.02). Material: Al alloy.

(32) Bracket (184K) -- Anodize and apply BMS 10-11, Type 1 primer (F-18.04). Apply BMS 10-11, Type 2 enamel (F-21.02). Material: Al alloy.

(33) Hose guide (184P), clamp (184Q) -- No finish (F-25.01). Material: Nylon.

(34) Bolt (186) (69-42181-2) -- Cadmium plate (F-4.201). Material: Al-Ni-Bronze (AMS 4640).

(35) Washer (187A) -- Chemical treat or chromic acid anodize and apply BMS 10-11, Type 1 primer (SRF-2.30). Material: Al alloy.

(36) Cover (190) -- Chromic acid anodize or chemical treat and apply BMS 10-11, Type 1 primer (SRF-2.115). Material: Al alloy.

(37) Housing assembly (193) -- Apply BMS 10-11, Type 2 enamel (SRF-12.63).

(38) Housing (197) -- Chromic acid anodize or chemical treat and apply BMS 10-11, Type 1 primer (SRF-2.115). Material: Al alloy.

(39) Bracket (198) -- Chromic acid anodize and apply BMS 10-11, Type 1 primer (F-18.04) and BMS 10-11, Type 2 enamel (SRF-12.63) but no enamel in holes or on machined surfaces. Material: Al alloy.

B. Figure 1102 Parts

(1) Tube assemblies (5, 5A, 5B, 5C, 6, 6A, 6B, 6C)

(a) 65-44567-5, -6 -- No finish (F-8.05). Material: 304 CRES.

(b) 65-44567-1005, -1006 -- No finish (F-8.05). Material: CRES per BMS 7-185.

(c) 65-44567-3002, -3003, -3005, -3006 -- Apply BMS 10-11, Type 1 primer (SRF-12.206). Material: CRES per BMS 7-185.

(d) 65-44567-3015, -3016, -3017, -3018 -- Passivate (F-17.25, which replaces F-17.09). Apply BMS 10-11, Type 1 primer (F-20.02) and BMS 10-11, Type 2 enamel (F-21.03) on exterior surfaces only. Material: CRES per BMS 7-185.

(e) 65-44567-3019, -3020 -- Apply BMS 10-11, Type 1 primer (SRF-12.205) and BMS 10-60, Type 1 enamel (F-14.9812, which replaces SRF-14.9812). Material: CRES per BMS 7-185.

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(2) Clamp, bonded (11) -- No finish (F-25.01). Material: Nylon.

(3) Bracket (12) -- Chromic acid anodize (F-17.04). Material: Al alloy.

(4) Clamp (18, 21, 23, 25), hose guide (19, 22, 24, 26) -- No finish (F-25.01). Material: Nylon.

(5) Retainer (32) -- Chemical treat or chromic acid anodize and apply BMS 10-11, Type 1 primer (F-18.05). Material: Al alloy.

(6) Bolt (36) -- Refer to OHM 32-21-11, Fig. 401.

(7) Brackets (37, 38) -- Chemical treat or chromic acid anodize and apply BMS 10-11, Type 1 primer (F-18.05) and BMS 10-11, Type 2 enamel (F-21.02). Material: Al alloy.

(8) Brackets (42) -- Chemical treat or chromic acid anodize and apply BMS 10-11, Type 1 primer (SRF-2.30) and BMS 10-11, Type 2 enamel (SRF-12.63). Material: Al alloy.

C. Figure 1103 Parts

(1) Bracket (6)

(a) 69-60736-1 -- Chemical treat or chromic acid anodize and apply BMS 10-11, Type 1 primer (F-18.05). Material: Al alloy.

(b) 69-60736-4 -- Chemical treat or chromic acid anodize and apply BMS 10-11, Type 1 primer (F-18.05) and BMS 10-11, Type 2 enamel (SRF-12.63). Material: Al alloy.

(2) Filler (7) -- Cadmium plate (F-15.06). Material: 4130 steel, annealed or normalized.

(3) Collar (8), block (9) -- Cadmium-titanium plate (F-15.01). Apply BMS 10-11, Type 1 primer (F-20.02) and BMS 10-11, Type 2 enamel (SRF-12.63 or F-21.02) all over, but no primer or enamel on threads or in bores. Material: 4330M steel, 220-240 ksi.

(4) Pin (20) -- Passivate (F-17.25, which replaces F-17.09) all over. Material: 17-4PH CRES, 180-200 ksi.

(5) Sleeve (21) -- Chemical treat or chromic acid anodize and apply BMS 10-11, Type 1 primer (F-18.05) and BMS 10-11, Type 2 enamel (F-21.02) all over. Material: Al alloy.

(6) Shoe (22) -- Passivate (F-17.25, which replaces F-17.09). Apply BMS 10-11, Type 1 primer (SR-12.205) and BMS 10-11, Type 2 enamel (SRF-12.63) all over, but no primer or enamel in bores. Material: 17-4PH CRES, 180-200 ksi.

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D. Figure 1104 Parts

(1) Bracket assemblies (75) -- Apply BMS 10-60 enamel (F-14.9813, which replaces SRF-14.9813) but not on nutplates.

(2) Brackets (80, 85, 90, 92, 95, 110, 111, 113), fillers (100, 105), spacer (112) -- Chromic acid anodize and apply BMS 10-11, Type 1 primer (F-18.13). Material: Al Alloy.

6. Replacement

NOTE: Item numbers refer to Fig. 1101, unless shown differently.

A. Replace all lockwire and cotter pins.

B. Bearings (46, 135) -- Install replacement bearings and roller stake them (SOPM 20-50-03).

C. Bushings (136) -- Install replacement bushings by the shrink fit method (SOPM 20-50-03). Machine to 0.3748-0.3754-inch diameter and flush with 0.812-inch diameter spotface.

D. If quadrant (141), shaft (140), or crank (129) are replaced, drill a hole for bolt (139) in the replacement parts as shown in Fig. 404.

E. Markers (70, Fig. 1104) -- Apply replacement markers per SOPM 20-50-05. Seal their edges with Type 41 protective finish (F-21.34).

7. Materials

NOTE: Equivalent substitutes can be used.

A. Primer -- BMS 10-11, Type 1 (SOPM 20-60-02)

B. Enamel -- BMS 10-11, Type 2 (SOPM 20-60-02)

C. Enamel -- BMS 10-60 (SOPM 20-60-02)

D. Corrosion preventive compound -- MIL-C-11796, Class 1 (SOPM 20-60-02)

E. Corrosion preventive compound -- MIL-C-16173, Grade 1 (SOPM 20-60-02)

F. Protective finish -- Type 41 (SOPM 20-60-02)

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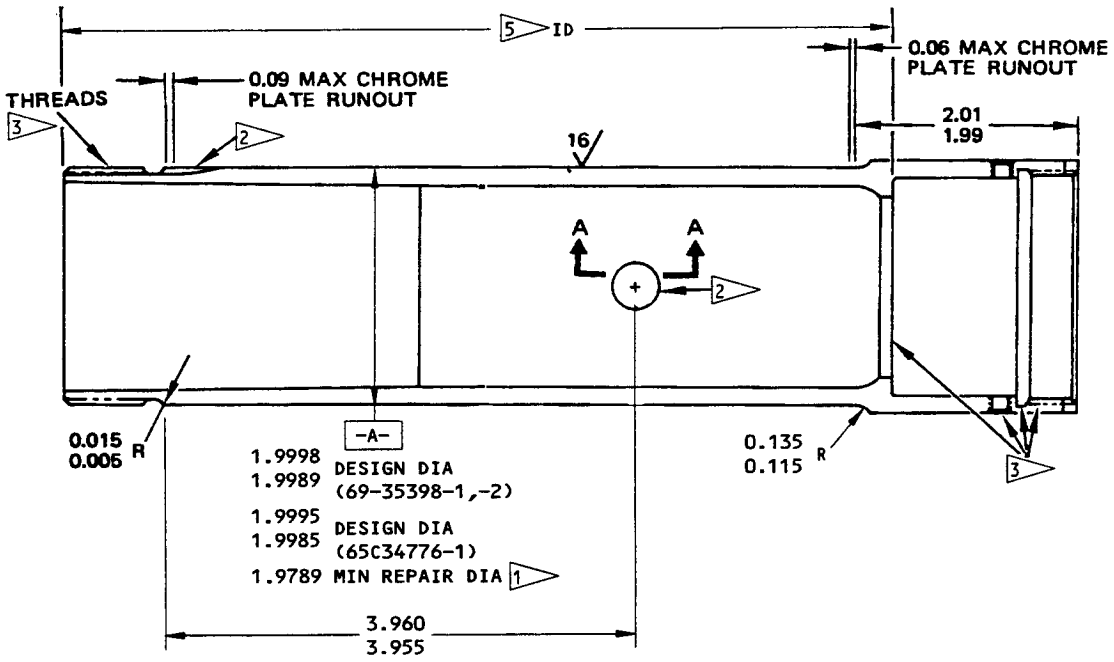
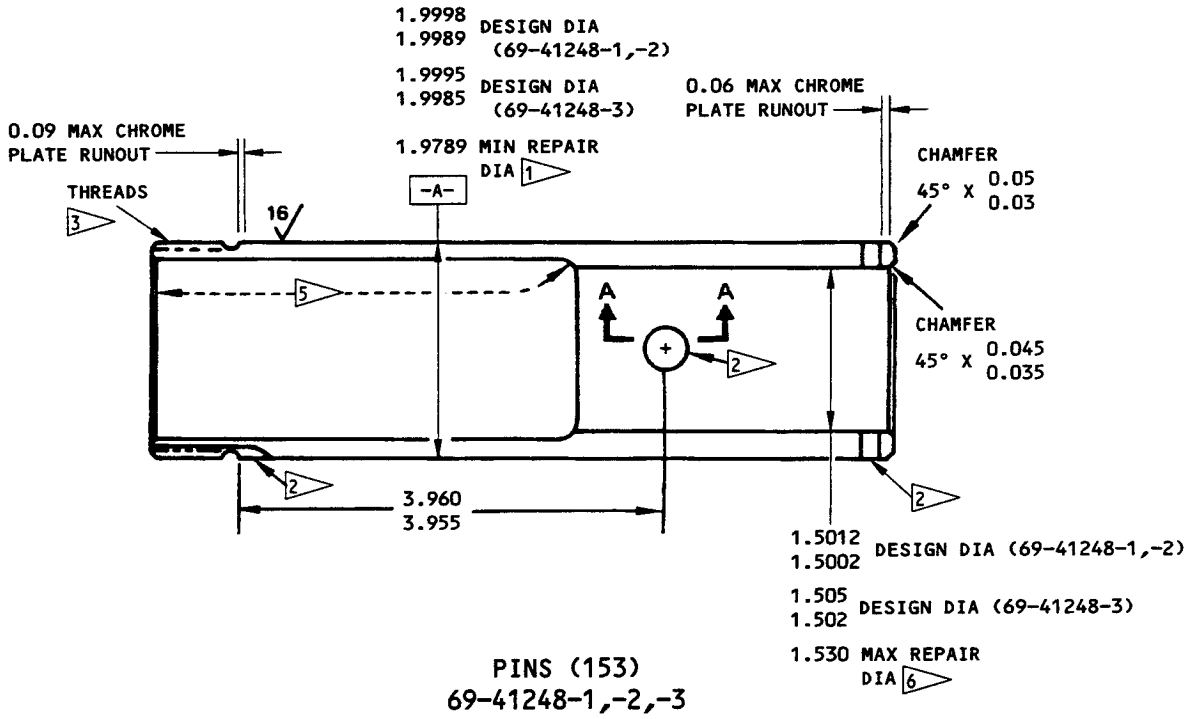


PIN (152) 69-35398-1,-2
65C34776-1



PINS (153)
69-41248-1,-2,-3

Trunnion Pin Repair and Refinish
Figure 401 (Sheet 1)

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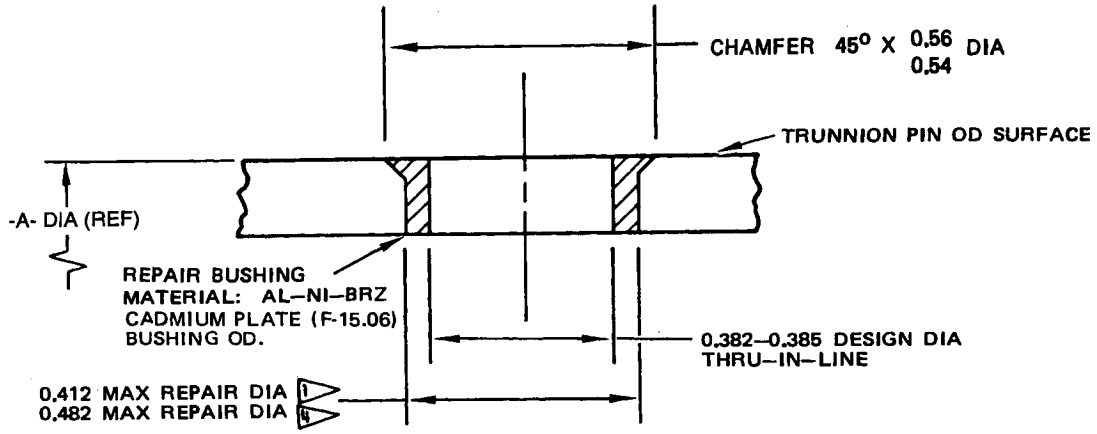


A–A

REFINISH

CHROME PLATE (F-15.04) AND APPLY WIPEON PRIMER (F-19.45) ON DIA -A-. CADMIUM-TITANIUM PLATE (F-15.01) ON ALL OTHER SURFACES. APPLY PRIMER BMS 10-11, TYPE 1

REPAIR

REF 1 4

125√ MACHINE FINISH EXCEPT AS NOTED

SHOT PEEN (REF 20-10-03)
0.016-0.033 SHOT SIZE
0.015 A2 INTENSITY

MATERIAL: 4340M STEEL (270-300 KSI)

ALL DIMENSIONS ARE IN INCHES

ITEM NUMBERS REFER TO FIG. 1101

1 LIMIT FOR CHROME PLATE BUILDUP (REF 20-42-03) WITH PLATING RUNOUT AS NOTED. GRIND TO DESIGN DIMENSIONS DIMENSIONS AND FINISH

2 0.09 MAX CHROME PLATE RUNOUT AROUND HOLES AND KEYWAYS

3 OMIT PRIMER ON THESE SURFACES. APPLY WIPE ON PRIMER (F-19.45) TO THE THREADS

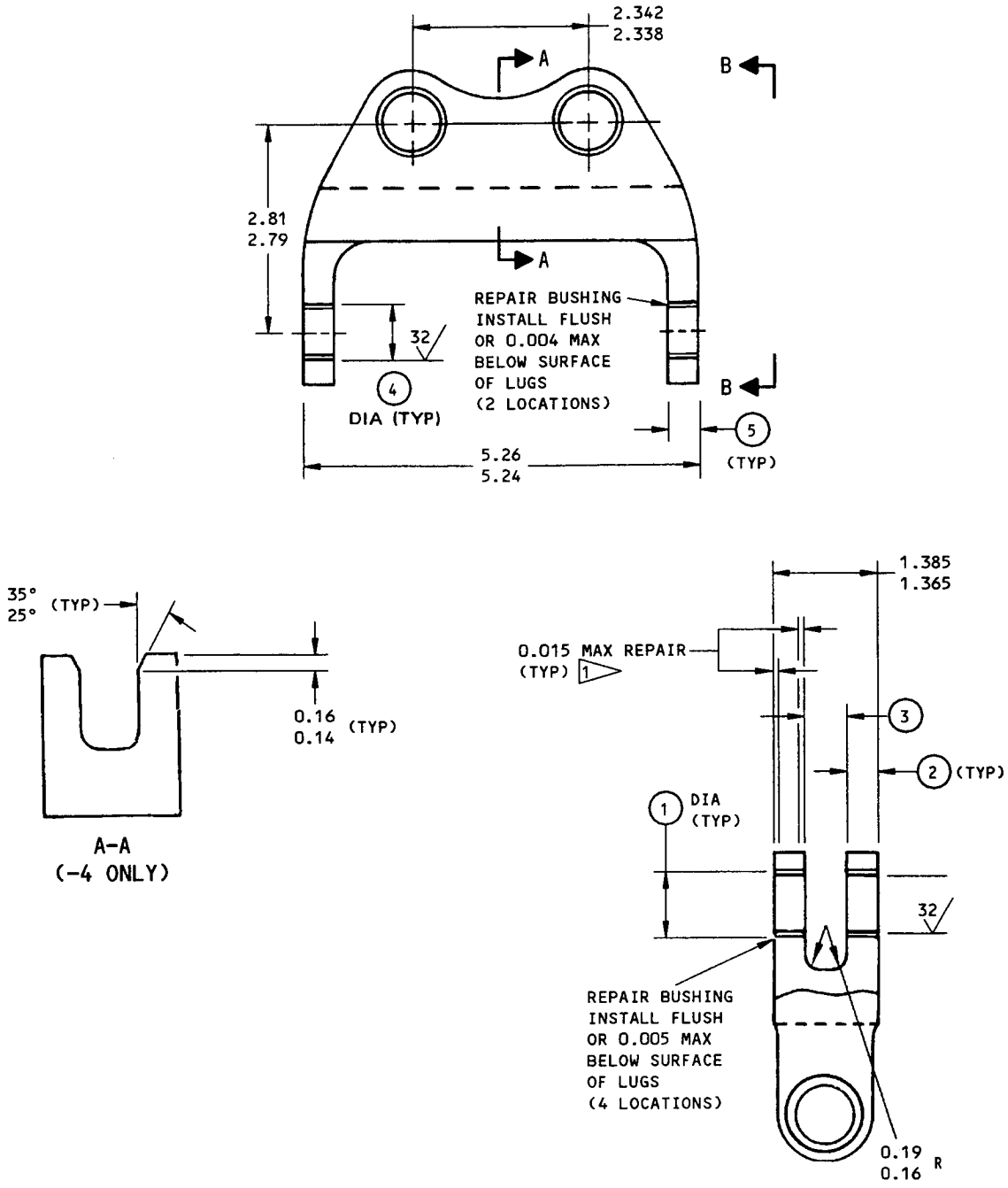
4 LIMIT FOR INSTL OF REPAIR BUSHING

5 AFTER APPLYING THE CADMIUM-TITANIUM PLATE, APPLY PRIMER BMS 10-11, TYPE 1 (F-20.03) AND CORROSION PREVENTIVE COMPOUND (F-19.03) TO THE I.D. INDICATED

6 LIMIT FOR SULFAMATE NICKEL PLATE BUILDUP (REF 20-42-09), WITH 0.06 MAX PLATING RUNOUT AT EDGES AND HOLES. MACHINE TO DESIGN DIMENSIONS AND FINISH.

PINS (152, 153), FIG. 1101

Trunnion Pin Repair and Refinish
Figure 401 (Sheet 2)



TOW FITTING (15, FIG. 1101)
69-41278-1 THRU -4

Tow Fitting Repair and Refinish
Figure 402 (Sheet 1)

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REFINISH

(69-41278-1, -2) CADMIUM PLATE (F-15.02) ALL OVER

(69-41278-3) APPLY PRIMER, BMS 10-11, TYPE 1 (F-20.02) PLUS ENAMEL, BMS 10-11, TYPE 2 (F-21.02) ALL OVER

REPAIR

REF 1 THRU 5

125 ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

SHOT PEEN: SOPM 20-10-03
0.016-0.033 SHOT SIZE
0.015 A2 INTENSITY

MATERIAL: (69-41278-1, -2) 4340 STEEL, 180-200 KSI
(69-41278-3, -4) TI-6AL-6V-2SN TITANIUM ALLOY

ALL DIMENSIONS ARE IN INCHES

		①	②	③	④	⑤
69-41278 -1, -2	DESIGN DIM	0.755 0.754	0.420 0.400	0.549 0.544	0.755 0.750	0.410 0.390
	REPAIR LIMIT	0.810 2 0.808 2	0.390 1 0.372 3 4	0.579 1 0.641 3	0.815 2 0.813 2	-----
69-41278 -3, -4	DESIGN DIM	0.760 0.755	0.420 0.400	0.555 0.550	0.760 0.755	0.410 0.390
	REPAIR LIMIT	0.815 2 0.813 2	0.372 3 4	0.641 3	0.820 2 0.818 2	0.360 5

1 LIMIT FOR CHROME PLATE BUILDUP (SOPM 20-42-03) AND GRIND TO DESIGN DIMENSIONS AND FINISH. PUT A 0.06 MAX. PLATING RUNOUT AT EDGES. (BUILDUP WITH ELECTRO DEPOSITED NICKEL PLATE (SOPM 20-42-09) OPTIONAL TO CHROME)

2 LIMIT FOR INSTALLATION OF REPAIR BUSHINGS (FIG. 406)

3 LIMIT FOR INSTALLATION OF FLANGED REPAIR BUSHINGS (FIG. 405), OR CADMIUM-PLATED 15-5PH OR 17-4PH CRES SHIMS BONDED WITH BMS 5-95 SEALANT

4 IF ① AND ② DEFECTS ARE MORE THAN THESE LIMITS, DISCARD THE PART

5 RESTORATION TO DESIGN DIMENSIONS NOT REQUIRED. IF DEFECTS ARE MORE THAN THIS LIMIT, DISCARD THE PART

TOW FITTING (15, FIG. 1101)
69-41278-1 THRU -4

Tow Fitting Repair and Refinish
Figure 402 (Sheet 2)

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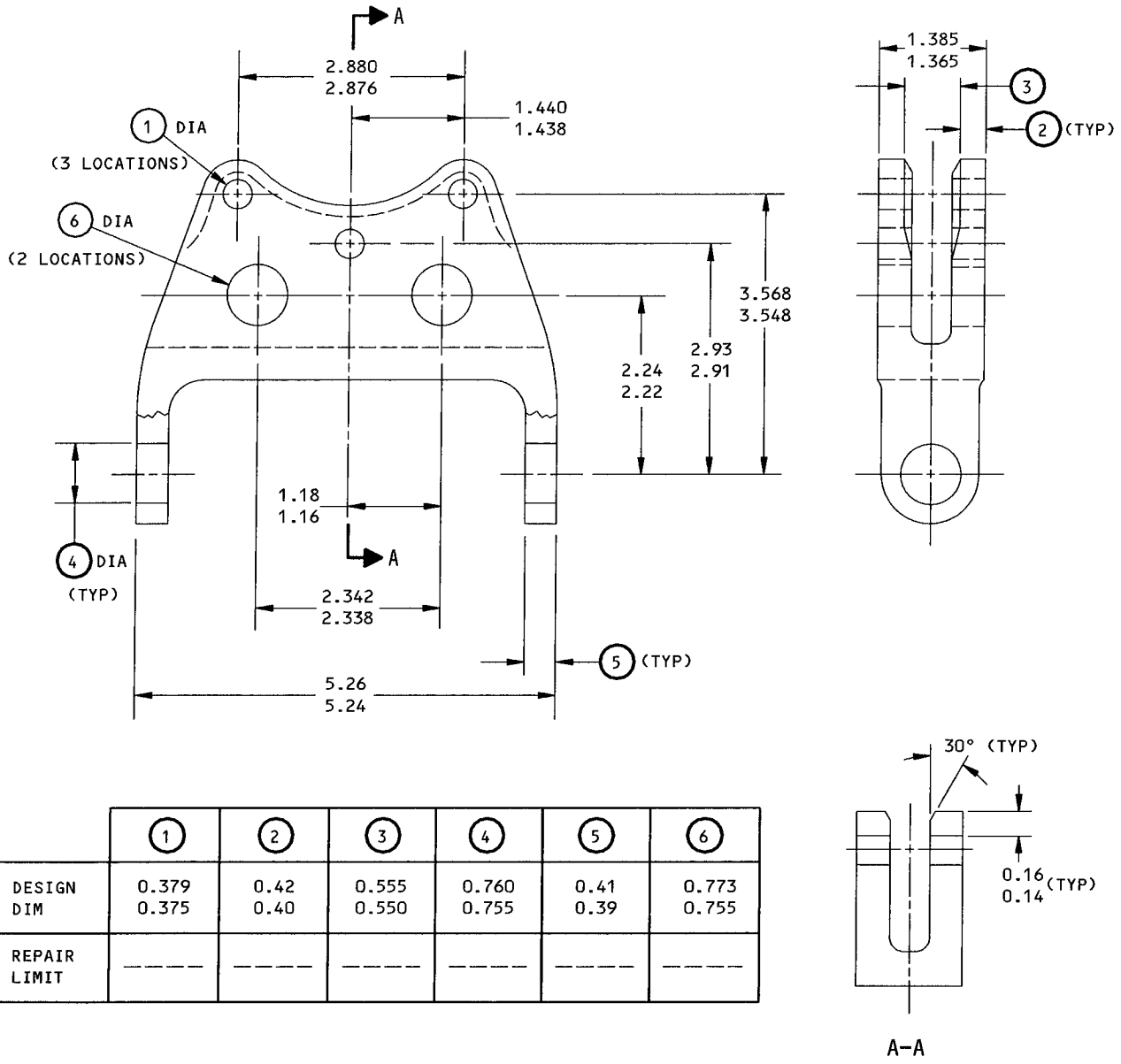

	1	2	3	4	5	6
DESIGN DIM	0.379 0.375	0.42 0.40	0.555 0.550	0.760 0.755	0.41 0.39	0.773 0.755
REPAIR LIMIT	-----	-----	-----	-----	-----	-----

REFINISH

CADMIUM-TITANIUM PLATE (F-15.01)
APPLY PRIMER BMS 10-11, TYPE 1 (F-20.02)
AND ENAMEL BMS 10-60 (F-14.9813, WHICH
REPLACES SRF-14.9813)

REPAIR

(SAME AS REFINISH)

125 ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

MATERIAL: 4330M STEEL, 220-240 KSI

ALL DIMENSIONS ARE IN INCHES

TOW FITTING (15, FIG. 1101)
65C36787-2

Tow Fitting Repair and Refinish
Figure 403

C99439

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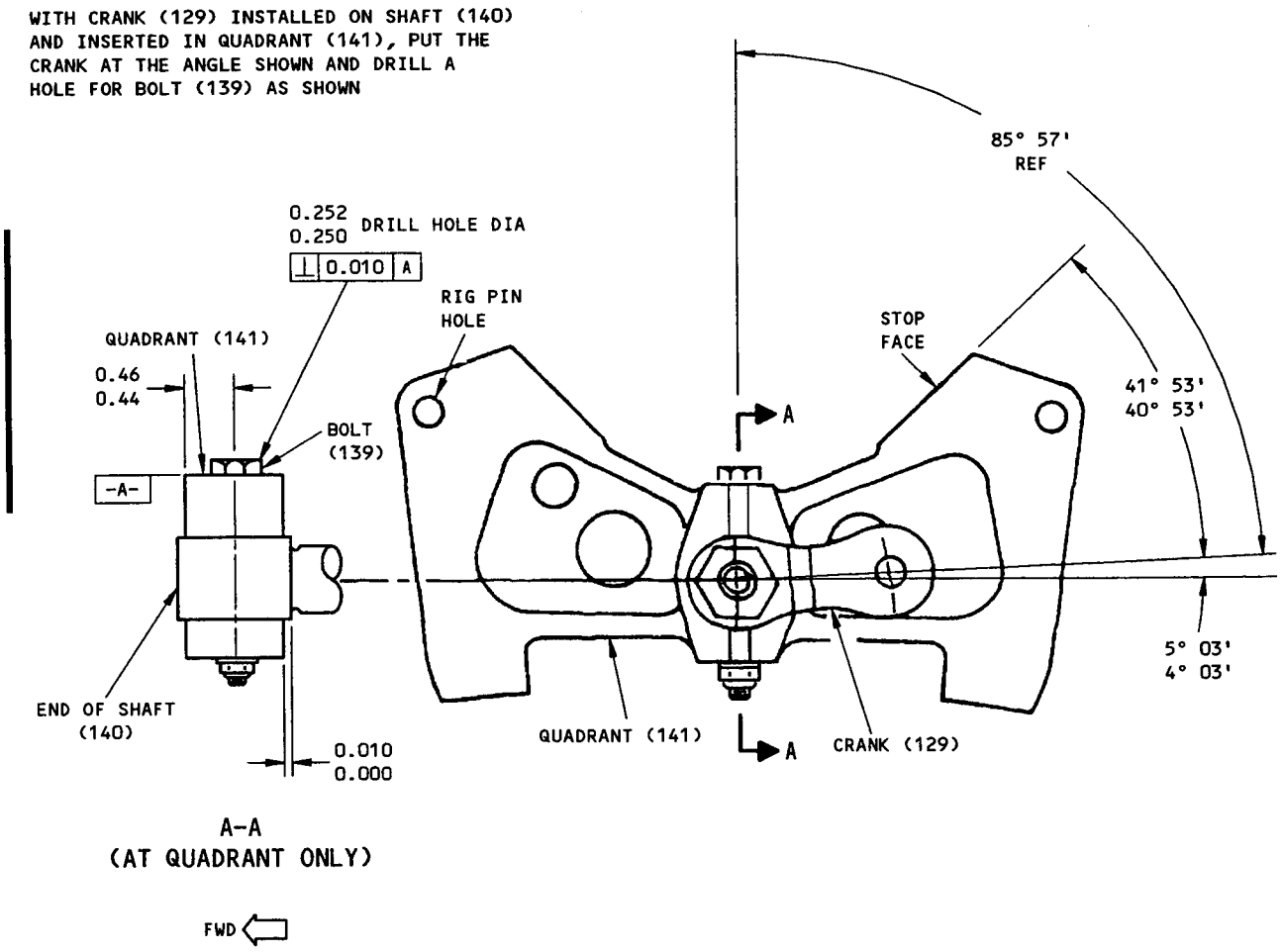

ITEM NUMBERS REFER TO FIG. 1101

ALL DIMENSIONS ARE IN INCHES

Quadrant or Shaft Replacement
Figure 404

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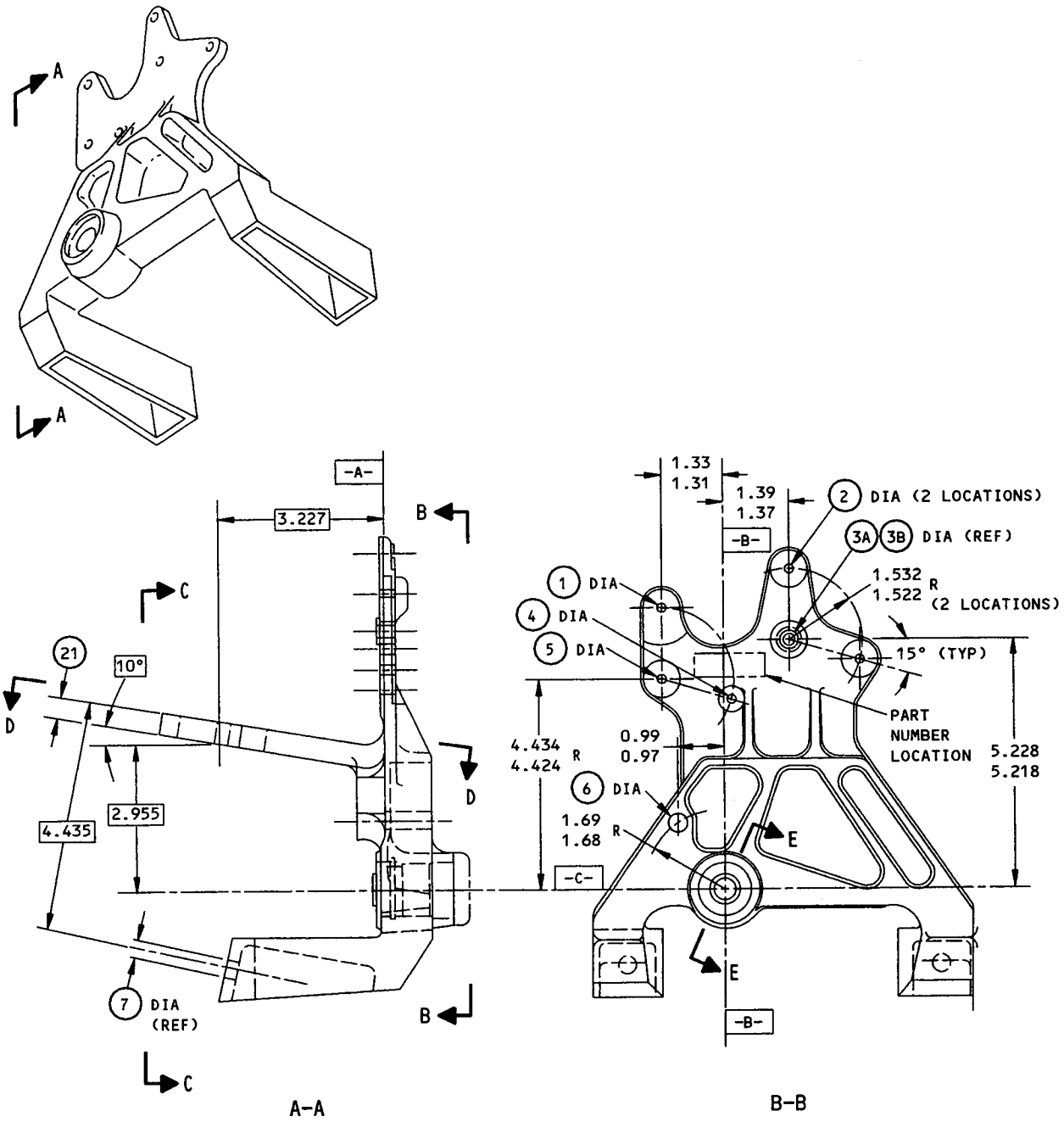

FITTING (134, FIG. 1101)
65-46396-2,-4,-6,-8

Piston Position Fitting Repair and Refinish
Figure 405 (Sheet 1)

L78774

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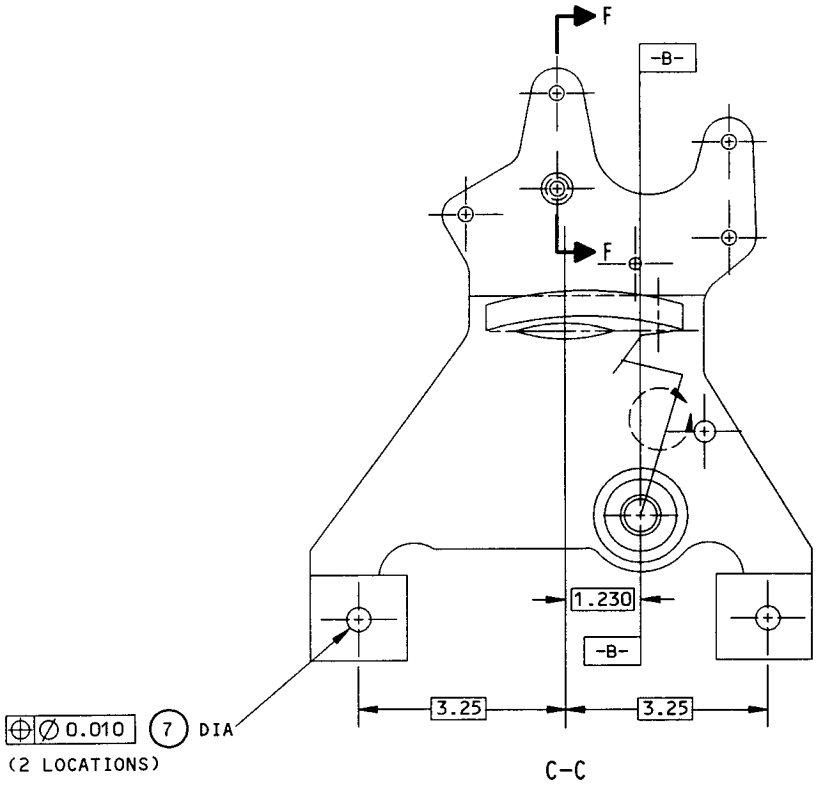
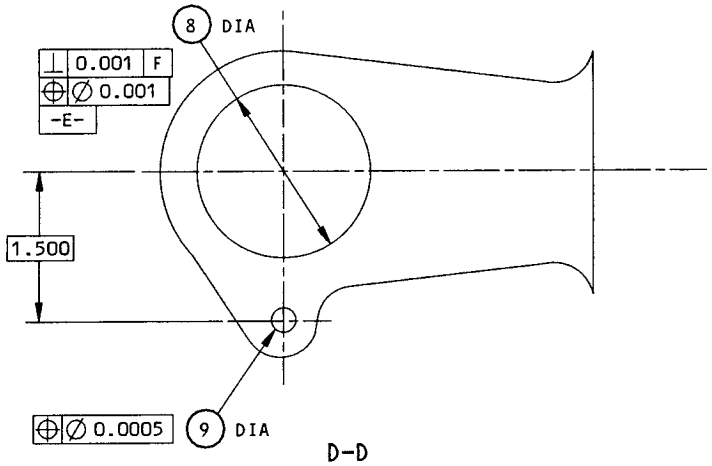


C-C



D-D

FITTING (134, FIG. 1101)
65-46396-2,-4,-6,-8

Piston Position Fitting Repair and Refinish
Figure 405 (Sheet 2)

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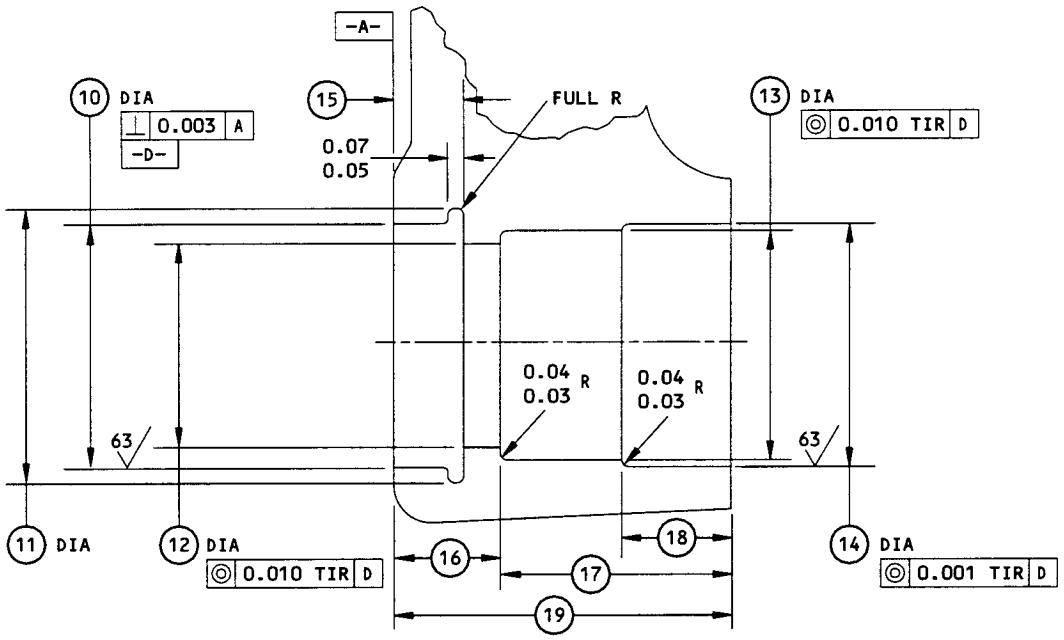
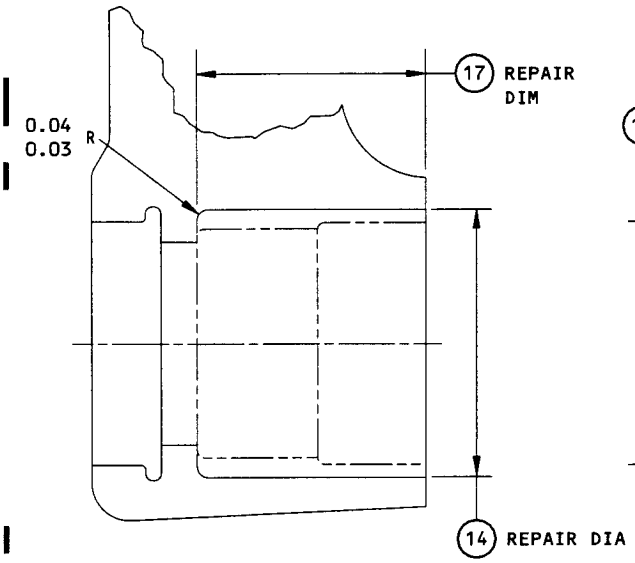
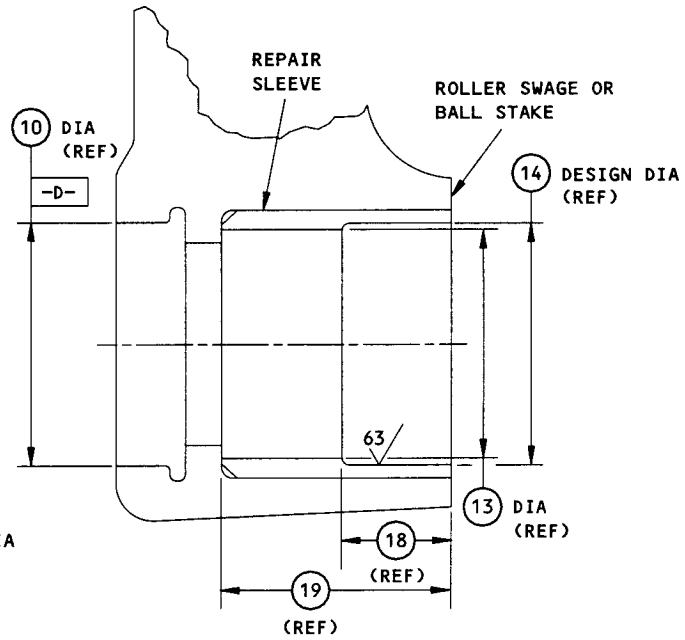


ORIGINAL (DESIGN) CONFIGURATION
E-E



REPAIR MACHINING DETAILS
E-E



REPAIR COMPLETE
E-E

FITTING (134, FIG. 1101)
65-46396-2,-4,-6,-8

Piston Position Fitting Repair and Refinish
Figure 405 (Sheet 3)

L78918

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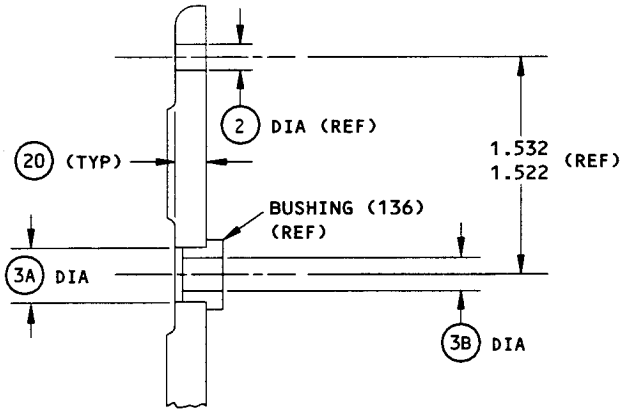

F-F

	1	2	3A	3B	4	5	6	7 1	7 2 3 4
DESIGN DIM	0.194 0.190	0.194 0.190	0.3754 0.3748	0.2515 0.2500	0.194 0.190	0.254 0.250	0.327 0.323	0.391 0.385	0.404 0.400
REPAIR LIMIT	—	—	—	—	—	0.313 5	—	0.404 0.400 6	—

	8 1	8 2 3	8 4	9	10	11	12	13	14
DESIGN DIM	1.627 1.625	1.627 1.625	1.752 1.750	0.254 0.250	1.1248 1.1238	1.190 1.170	0.950 0.930	1.100 1.080	1.1253 1.1248
REPAIR LIMIT	1.814 5	1.895 5	1.895 5	0.313 5	—	—	—	1.1910 5	1.2243 5

	15	16	17	18	19	20	21
DESIGN DIM	0.328 0.315	0.52 0.48	1.050 0.990	0.52 0.48	1.530 1.510	0.23 0.22	0.422 0.418
REPAIR LIMIT	—	—	1.065 5	—	—	—	—

FITTING (134, FIG. 1101)
65-46396-2,-4,-6,-8

Piston Position Fitting Repair and Refinish
Figure 405 (Sheet 4)

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REFINISH

ANODIZE AND APPLY BMS 10-11, TYPE 1 PRIMER (SRF-2.19 OR F-18.04) AND BMS 10-11, TYPE 2 ENAMEL (SRF-12.63 OR F-21.02) BUT NO PRIMER OR ENAMEL IN HOLES (3A), (8), (10), (14).

REPAIR

REF 5 6

125 ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

BREAK SHARP EDGES.

MATERIAL: AL ALLOY

ALL DIMENSIONS ARE IN INCHES

1 65-46396-2
2 65-46396-4
3 65-46396-6
4 65-46396-8
5 LIMIT FOR INSTALLATION OF REPAIR SLEEVE
6 LIMIT FOR CHANGE TO 65-46396-2 CONFIGURATION

FITTING (134, FIG. 1101)
65-46396-2,-4,-6,-8

Piston Position Fitting Repair and Refinish
Figure 405 (Sheet 5)

L78974

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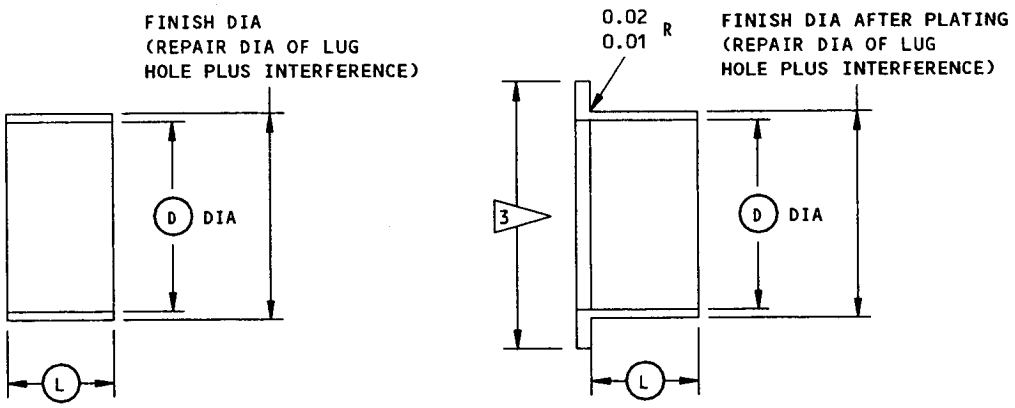

PLAIN REPAIR BUSHING

FLANGED REPAIR BUSHING

HOLE LOCATION	REPAIR FIGURE	(D)	(L)	INTERFERENCE (UNLESS SHOWN BY 4)	MATERIAL	FINISH
(1)	402	0.75 0.74	0.42 0.39	0.0018 0.0005	1 OR 2	7
(4)	402	0.75 0.74	0.41 0.39	0.0018 0.0005	2	7
(5)	405 (65-46396-2)	0.254 0.250	0.23 0.22 6	0.0008 0.0000 4	5	8
(5)	405 (65-46396-4, -6,-8)	0.254 0.250	0.23 0.22 6	0.0008 0.0000 4	1	8
(8)	405 (65-46396-2)	1.627 1.625	0.422 0.418 6	0.0015 0.0010	5	8
(8)	405 (65-46396-4, -6)	1.627 1.625	0.422 0.418 6	0.0015 0.0010	1	8
(8)	405 (65-46396-8)	1.752 1.750	0.422 0.418 6	0.0029 0.0011	1	8
(9)	405 (65-46396-2)	0.254 0.250	0.422 0.418 6	0.0008 0.0000 4	5	8
(9)	405 (65-46396-4, -6,-8)	0.254 0.250	0.422 0.418 6	0.0008 0.0000 4	1	8

FINISH:

AS NOTED

125 ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

BREAK SHARP EDGES 0.01-0.02R

MATERIAL: AS NOTED

ALL DIMENSIONS ARE IN INCHES

Repair Bushing Details
Figure 406 (Sheet 1)

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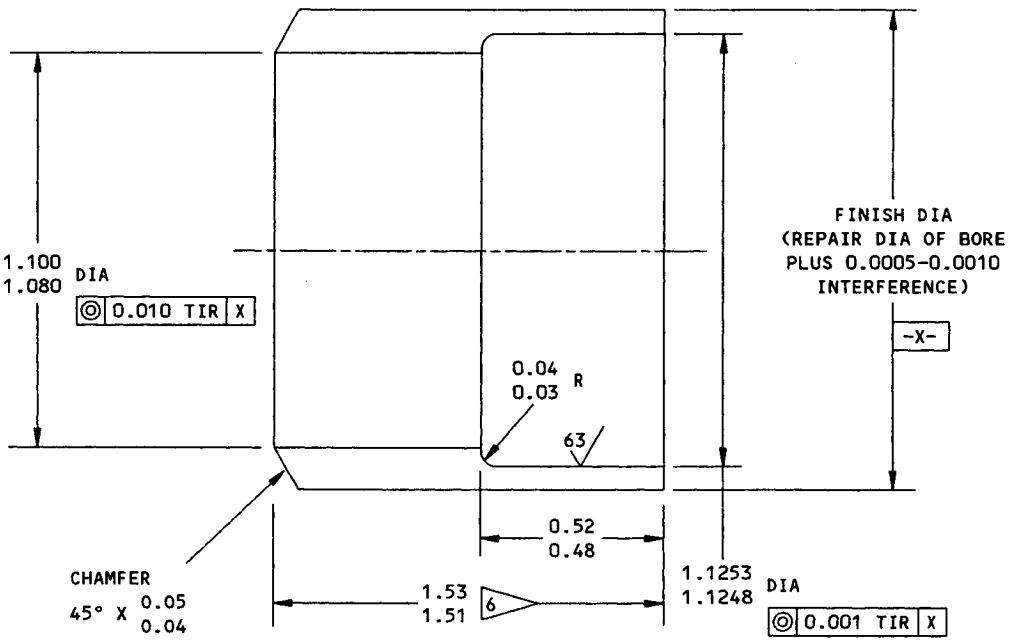

FINISH:

CADMIUM PLATE (F-15.06) ON AL-NI-BRONZE BUSHING

NO FINISH ON ALUMINUM BUSHING

REPAIR:

125 ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

BREAK SHARP EDGES

MATERIAL: 7075-T73 AL ALLOY (FOR FITTINGS 65-46396-2) OR AL-NI-BRONZE PER AMS 4640 (FOR FITTINGS 65-46396-4, -6,-8)

ALL DIMENSIONS ARE IN INCHES

1. AL-NI-BRONZE PER AMS 4640
2. 17-4PH CRES, PER AMS 5643, 180-200 KSI
3. REPAIR DIA OF HOLE PLUS 0.25-0.30
4. CLEARANCE FIT
5. 7075-T73 AL ALLOY
6. OR AS NECESSARY FOR A FIT FLUSH WITH OR 0.010 MAX BELOW LUG FACES
7. BUSHINGS FOR STEEL TOW FITTINGS: CADMIUM PLATE (F-15.06). BUSHINGS FOR TITANIUM TOW FITTINGS: NO FINISH.
8. NO FINISH

HOLE LOCATION (13)(14) FIG. 405

Repair Bushing Details
Figure 406 (Sheet 2)

H10222

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ASSEMBLY

1. General

   A. Install bolts and nuts per 20-50-01. Secure safetying devices per 20-50-02.

   B. Place nose gear assembly (1, Fig. 1101) in upright position in holding device.

2. Hydraulic Installation

   A. Steering Depressurization Valve (Fig. 1104) (If applicable)

      (1) Install bracket (75) on nose gear with bolts (35, 40), washers (45), and nuts (50).

      (2) Install valve (5) on bracket (75) with bolts (55, 60) and washers (65).

      (3) Install marker (70) if removed.

   B. Nose gear without gravel deflector (Fig. 1101).

      NOTE: If following items are not installed, removal of control mechanism is required when nose gear is installed.

      WARNING: BMS 3-27 CORROSION PREVENTIVE COMPOUND CONTAINS ASBESTOS, TOLUENE, XYLENE, STRONTIUM CHROMATE AND BARIUM CHROMATE. CONSULT APPROPRIATE SAFETY STANDARDS PERSONNEL FOR PROPER HANDLING PRECAUTIONS.

      CAUTION: BMS 3-27 COMPOUND IS USED ONLY IN STATIC JOINTS WHERE GREASE CANNOT BE APPLIED. BMS 327 COMPOUND IN DYNAMIC JOINTS WILL NOT LET THEM MOVE FREELY.

      (1) Apply BMS 3-27 compound from point A to point B around all of the circumference of trunnion pin (153, 152), and fill all voids in the area. Apply MIL-C-11796 corrosion preventive compound to nut (156) (Fig. 500).

(2) Assemble hydraulic swivel.

CAUTION: INSTALLATION OF SWIVELS ON BRACKET (165) IN REVERSE DIRECTION WILL RESULT IN IMPROPER OPERATION.

(a) Position swivels (168) on bracket (165) so that fitting with swivel flange is toward tubing connections on landing gear. Install clamps (164), screws (163), nuts (162).

NOTE: Swivels consist of two fittings. The male fitting has the flange for mounting in clamp (164).

(b) Insert bracket (165) and attached parts in pin (153) and install pin (161). Secure pin with lockwire.

(3) Install pins (153, 152).

(a) Install pin (153) and attached parts in shock strut. Align holes and install lockpins (151) and spring pins (150).

(b) Install nut (156) on pin (152) and secure with lock (155) and screw (154). Install pin (152) and attached parts in shock strut. Align holes and install lockpins (151) and spring pins (150).

NOTE: Nut (156), screw (154), pins (151) are removed to install nose gear.

(c) Wrap exposed ends of pins (153, 152) with protective covering.

(4) Connect hydraulic tubes (159, 158) or (159A, 159B, 158A, 158B), as applicable. Tighten nuts at steering metering valve, and steering depressurization valve (if applicable), and secure with lockwire. Tighten nuts at swivel (157) snugly. Do not install lockwire.

NOTE: Tube connections at swivel are loosened to slide trunnion pin back during installation of nose gear.

C. Nose gear with gravel deflector (Fig. 1102).

CAUTION: INSTALLATION OF SWIVELS ON BRACKET (12) IN REVERSE DIRECTION WILL RESULT IN IMPROPER OPERATION.

(1) Position swivels (13) on bracket (12) so that fitting with swivel flange is toward tubing connections on landing gear. Install clamps (11), screws (10), nuts (9).

NOTE: Swivels consist of two fittings. The male fitting has the flange for mounting in clamp (11).

(2) Insert bracket (12) with attached parts in pin (153, Fig. 1101). Secure with spring pin (8). Lockwire pin.

WARNING: BMS 3-27 CORROSION PREVENTIVE COMPOUND CONTAINS ASBESTOS, TOLUENE, XYLENE, STRONTIUM CHROMATE AND BARIUM CHROMATE. CONSULT APPROPRIATE SAFETY STANDARDS PERSONNEL FOR PROPER HANDLING PRECAUTIONS.

CAUTION: BMS 3-27 COMPOUND IS USED ONLY IN STATIC JOINTS WHERE GREASE CANNOT BE APPLIED. BMS 3-27 COMPOUND IN DYNAMIC JOINTS WILL NOT LET THEM MOVE FREELY.

(3) Coat shank of pin (153, Fig. 1101) with BMS 3-27 corrosion preventive compound. Then install pin (153) with attached parts in shock strut, and install lockpins and spring pins (151, 150, Fig. 1101) (Fig. 500).

(4) Install nut, lock, and screw (156, 155, 154, Fig. 1101) on pin (152, Fig. 1101).

(5) Coat shank of pin (152, Fig. 1101) with BMS 3-27 corrosion preventive compound. Then install pin (152) and attached parts in shock strut and install lockpins and spring pins (151, 150, Fig. 1101) (Fig. 500).

(6) Wrap exposed ends of pins (152, 153, Fig. 1101) with protective covering.

(7) Position hose guides (19, 22) on upper torsion link. Secure with clamps (18, 21), bolts (17), washers (16), nuts (15).

(8) Position hose guides (24, 26) on lower torsion link. Secure with clamps (23, 25), bolts (20), washers (16), nuts (15).

(9) Position swivel (33) on bracket (37). Secure with retainers (32), bolts (31), washers (30), nuts (29).

(10) Position swivel (34) on bracket (38). Secure with bolts (31), washers (30) and nuts (29).

(11) Install brackets (37, 38) with attached parts on shock strut. Install bolts (36), nuts (35).

(12) Install bracket (42) on shock strut using bolts (41), washers (40) and nuts (39).

(13) Install hydraulic tubes (5, 6), and (5A, 6A) or (5B, 5C, 6B, 6C) (as applicable).

(14) Install hydraulic hoses (27, 28).

(15) Fasten tubes (5, 6) on bracket (42 or 42A) using (as applicable) clamps (4) or (4A, 4B), spacers (3) or (3A, 3B), screw (2) and nut (1), or screw (2A).

3. Install piston position components (Fig. 1101).

A. Install quadrant (141).

(1) Assemble spacers (147) on fitting (133) with screws (149), washers (148), and nuts (146).

(2) Install spacers (143) on quadrant (145) with bolts (144) and nuts (142). Tighten nuts to 15-19 lb-in.

(3) Install shaft (140) with wet primer through quadrant (141). Align holes and install bolt (139), washer (138), and nut (137) using MIL-C-11796 corrosion preventive compound. With crank (129) installed on shaft, crank arm will extend to right and bolt (139) head at top (forward view) (Fig. 403).

CAUTION: QUADRANT (141), SHAFT (140), AND CRANK (129) ARE MATED PARTS. IF ANY PART IS REPLACED, ENSURE THAT RELATIVE POSITIONS (FIG. 403) ARE MAINTAINED.

(4) Install shaft with primer through bearing in fitting (133). Install spacer (132) and bearing (131) on shaft and fitting.

(5) Install crank (129) with primer using washers (128A) and spacer (128B) or spacer (130). Coat washers and spacers with MIL-C-11796 corrosion preventive compound before assembly. Use washers (128A) as required to maintain 0.02-inch maximum gap between spacer (128B) and crank (129).

(6) Install washer (128), if applicable. Apply MIL-C-11796 corrosion preventive compound to nut (127) or mating threads of bolt (127B) and shear collar (127A). Install nut (127) and cotter pin (126) or bolt (127B) and shear collar (127A).

B. Install fitting and pulley mount.

(1) Apply MIL-C-11796 corrosion preventive compound to bolts (124, 123, 116, 112, 107, 94).

(2) Install pulleys (121) on fitting (133) with bolts (124, 123), washers (122) washers (120, 119) and nuts (118).

(3) Unscrew large nut around air valve and remove nut (NAS509-18) and beveled washer (66-24147-1). (Refer to items 6 and 7, 32-21-11, or items (91A, 91B, Fig. 1101).)

WARNING: DO NOT LOOSEN AIR VALVE.

(4) Position fitting (133) over air valve on shock strut.

(5) Assemble guards (102) with pulleys (98) on pulley mount (95) using bolts (101, 100), washer (99) under bolt head and washers (97) and nuts (96).

(6) Position pulley mount (95) and attached parts over air valve against fitting (133). Install bolt (94), washer (93) under bolt head and under nut and nut (92).

(7) Install beveled washer and nut which had been removed in step (3). Tighten nut to 200 lb-in. minimum torque. Adjust fitting (133) to obtain equal gap between lugs and shock strut within 0.010 inch. Check that bolts (116) fit freely through bores in fitting and strut.

NOTE: If bolts do not fit freely, rework fitting (133) per REPAIR, par. 1.C.

(8) Measure gap between lugs and strut with feeler gage. Peel laminated shims (117) as required to match measured gap.

(9) Loosen NAS509-18 nut on top of strut. Install adjusted shims (117), washers (115) and bolts (116). Tighten NAS509-18 nut to 1500-2000 lb-in. and secure with lockwire to bolt (94). Tighten nuts (114).

C. Install spring cartridge.

(1) Install the upper rod end of spring cartridge (113) in crank (129) arm on quadrant. Install bolt (112) with head aft, washer (110) under head, washer (111) and nut (109) on the forward side. Install cotter pin (108).

(2) Install bracket (106) on bolt (107) and put this through the torsion link clevis and the rod end of spring cartridge (113). Install washer (105), nut (104), and cotter pin (103).

(3) Lubricate the spring cartridge at its rod ends with BMS 3-33 or MIL-G-23827 grease.

D. Install piston position cables (optional) (Fig. 1101).

(1) Install terminals of cables (203, 204) in recesses of quadrant (145).

(2) Install cotter pins (205) in the holes at end of the recesses.

(3) Put cables (203, 204) through pulleys (121) and temporarily attach the upper ends of the cables to the nose gear assembly.

4. Install steering control mechanism (Fig. 1101).

A. Apply a layer of primer to the heads of bolts (90) and assemble while the primer is wet through guards (89) to upper steering plate through hollow bolts. Install washer (87) and nuts (86).

B. Install pulleys on steering plates.

(1) Apply MIL-C-11796 corrosion preventive compound to bolts (85, 83).

(2) On the right side of steering plates (looking forward), install retainer (77) and pulley (78) to upper plate using bolt (85) (thread end down), washer (76), and nut (74). Install bolts (84), spacers (80), washers (75) and nuts (72) at two other places.

(3) On the right side of steering plates (looking forward), install retainer (77) and pulley (78) to upper plate using bolt (83), thread end down, washer (76), and nut (74). Install bolts (82), spacers (79), washers (75) and nuts (72) at two other places.

(4) Tighten pulley nuts (74) to 30-40 lb-in. and install cotter pins (73). Torque can be increased to 60 lb-in. maximum, if necessary, to align cotter pin holes.

C. Install pulley bracket.

(1) Install bracket (71) on the upper steering plate and align the holes. If applicable, install fitting (71J). Install bolts (70), washers (69), and nuts (68) in the center and right side holes (looking forward). Install bolt (67), washer (69), and nut (68) in the remaining hole (on the left side). Install bolt (70J) and washer (70K) if you install fitting (71J).

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D. Assemble and install front pulleys and crank.

(1) Apply MIL-C-11796 corrosion preventive compound to bolts (64, 61, 51, 40, 23).

(2) Install trunnions (62) in crank (44) with trunnion stud at top and inserted through bearing hole. Install bearings (56), washer (54) followed by washer (55), and nuts (53).

(3) Install bolts (51) through trunnions and crank, thread end down. Install washers (50 and 49) and nuts (48).

(4) Tighten nuts (53 and 48) to 30-40 lb-in. and secure with cotter pins (52 and 47). Torque may be increased to 60 lb-in. maximum to align cotter pin holes.

(5) On LH side of crank (looking aft) install bolt (64), thread end outward, washer (59), pulley (60) on trunnion (62) and washer (63) and nut (58) on other side. On RH side of crank (looking aft) install bolt (61), thread end outward, through trunnion (62) and install pulley (60), washer (59), and nut (58).

NOTE: With trunnions (62) and pulleys (60) installed correctly in crank (44), pulleys will be mounted in open side of trunnions and will face to right (looking rearward).

(6) Tighten nuts (58) to 30-40 lb-in. and secure with cotter pins (57). Torque may be increased to 60 lb-in. maximum to align cotter pin holes.

(7) Install spacer (43) in center mounting hole of crank (44). Install bearing (56).

(8) Position crank and pulleys on bracket (71) with washer (42) installed at bottom hole between crank and bracket. Install bolt assembly (39) through bracket and crank. Install washer (38) and nut (37). Tighten nut to 30-40 lb-in. and secure with cotter pin (36). Torque may be increased to 60 lb-in. maximum to align cotter pin holes.

(9) Mount bracket (71), and attached parts on steering plate of shock strut. Install bolts (67) in LH hole (looking aft) and center hole. Install washers (66) and nuts (65). Install bolt (70), washer (69) and nut (68) in RH hole.

E. Install link (29).

(1) Apply MIL-C-11796 corrosion preventive compound to bolts (28, 23).

(2) Insert rig pin in holes of crank (44) and bracket (71) next to center bolt mounting hole. Adjust length of link (29) until bolts can be inserted freely through rod ends and mountings of metering valve and crank with no movement of metering valve actuating arm. For coarse adjustment of link, back off nuts (31 and 32) and turn rod ends (35, 34) in or out as required. For fine adjustment, turn coupling (30). After adjustment, tighten nuts and install lockwire.

(3) Install link using bolt (28), washer (27), and nut (26) at valve end, and bolt (22), washer (21) and nut (20) at crank end. Tighten nuts (26, 20) to 12-15 lb-in. and install cotter pins (25, 19). Torque may be increased to 25 lb-in. to align cotter pin holes.

F. Install nose wheel steering cables (optional).

(1) Route cables (206, 207) through steering control mechanism to steering collar.

(2) Insert steering cable terminal in groove on aft side of steering collar.

(3) Install spring pins (208) and lockwire.

(4) Route cables (206, 207) through pulleys (98) and temporarily secure ends of cables to nose gear assembly.

G. Install cover (Ref 32-26-01) over steering metering valve.

5. Tow fitting, taxi light (Fig. 1101)

A. If taxi light is used:

(1) Assemble housing (193), lamp (192), and cover (189) with screws (188).

(2) Install unit on mounting bracket (198) with bolts (187) and washer (187A).

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CAUTION: BMS 3-27 COMPOUND IS USED ONLY IN STATIC JOINTS WHERE GREASE CANNOT BE APPLIED. BMS 3-27 COMPOUND IN DYNAMIC JOINTS WILL NOT LET THEM MOVE FREELY.

(3) Apply BMS 3-27 compound to bolt (186) undercut, shank, thread relief and threads and mating surfaces of lugs, and fill all internal voids in the adjacent area. Install assembled taxi light and bracket, or taxi light (186A), on tow fitting (15) with bolts (186), washers (13), shims (16), nuts (12), and, if repair tow fitting 65C36787-2 is used, bolts (17), washers (17A, 17B) and nuts (17C). Adjust thickness of shims (16) to obtain total gap of zero to 0.003 inch between tow fitting and shock strut lugs before tightening nuts (12). Tighten BACN10JC12C nuts (12) (used with BACB30NF12-26 bolts (186)) to 700-800 lb-in. while corrosion preventive compound is wet (Fig. 500).

(4) Install taxi light harness (170) (Fig. 501)

(a) Attach harness (170) to taxi light with clamps (172), bolts (178, 178A) as applicable, and nuts (171).

(b) Route harness down and across axle.

(c) If clamp (184L) is used, apply two complete wraps of tape (184S) to axle location, then install clamp (184L). Secure harness to clamp with parts (184T, 172, 171). Orient clamps (184L, 172) as shown.

(d) If clamp (184L) is not used, secure harness above axle with parts (172A, 172B, 171).

(e) Route harness upward along lower torsion link.

(f) Fasten harness to lower torsion link with bracket clamps (181A, 181B, 182, 183) or (184A, 184B), spacers (183A, 183B) or 184C, 184G), clamps (172), bracket (184K) if applicable, bolts (181C, 184) or (184D, 184J), washers (184R) if applicable, and nuts (171). If applicable, install hose guide (184P), bracket clamp (184Q), bolt (184-0), nut (184M).

(g) Route harness upward along upper torsion link.

(h) Attach conduit to upper torsion link with clamp (172), bracket clamps (180, 179), spacer (184C), screw (181), and nut (171).

(i) Attach conduit to bracket at spring cartridge rod end mounting of torsion link with clamp (172), bolt (178), and nut (171).

(j) Attach conduit to shock strut arm with bracket (176T) if applicable, bracket clamps (176, 175, 173), clamps (172), bolts (177, 174) or screws (172J, 177A, 177B, 177C), washers (172K), spacers (176A, 176B, 176C, 176D) fillers (177T, 177U) and nuts (171, 172L, 172M).

(k) Coil end of conduit and wrap or protect against dirt or damage.

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CAUTION: BMS 3-27 COMPOUND IS USED ONLY IN STATIC JOINTS WHERE GREASE CANNOT BE APPLIED. BMS 3-27 COMPOUND IN DYNAMIC JOINTS WILL NOT LET THEM MOVE FREELY.

B. If the taxi light is not used, install tow fitting (15) with BMS 3-27 corrosion preventive compound applied to bolt (14) undercut, shank, thread relief and threads and mating surfaces of lugs, filling any internal voids in the immediate area, with, as applicable, washers (13, 13A), shims (16), and nuts (12) (Fig. 500).

C. Install bolt (202), washers (201), and nut (200) thru tow fitting (15). Tighten nut finger-tight and install cotter pin (199). Bolt and nut must not clamp up on tow fitting lugs.

6. Install wheels (Fig. 1101).

CAUTION: THE SHOCK STRUT INNER CYLINDER COULD HAVE UNDERSIZE AXLE THREADS THAT MUST BE USED ONLY WITH SPECIAL UNDERSIZE WHEEL RETAINER NUT (5, FIG. 1101) 69-77849-SERIES. MAKE SURE THAT STANDARD PARTS ARE NOT USED ON UNDERSIZED AXLE THREADS.

A. Remove axle and thread protection parts. Install spacers (11) on shock strut axles and secure with cotter pins (10).

B. Make sure that wheel (9) bearings are packed with Aeroshell 22 grease. Also apply a good quantity of Aeroshell 22 grease to bearing seals, axle threads and bearing surfaces, and nut (5).

C. Install wheel and tire assembly (7) on each axle. Install washer (6) and nut (5).

(1) Turn the wheel. As the wheel turns, tighten axle nut (5) to 90 lb-ft.

(2) Loosen the nut completely.

(3) Turn the wheel. As the wheel turns, tighten axle nut to 20-40 lb-ft with one continuous turn of the axle nut.

(4) Install screws (4) and lockwire.

7. Install jack fitting (Fig. 1103).

A. Put sleeve (21) on underside of jacking shoe (22). Put pin (20) in shoe bores and through sleeve. Align the bolt holes. Install bolt (19), washer (18) and nut (17).

CAUTION: BOLT AND NUT MUST NOT CLAMP UP ON LUGS, OR LUG DAMAGE COULD OCCUR.

B. Install bolt (16), washer (15) and nut (14) on jacking shoe. Tighten nut finger-tight only to align cotter pin hole. Install cotter pin (13).

C. Apply BMS 3-33 or BMS 3-24 grease on faying surfaces of jacking shoe, and tow fitting lug and jacking cone of shock strut. Install jacking shoe (22) with attached parts on shock strut. Attach with bolts (12), washers (11) and nuts (10).

D. Put collars (8) on axles of shock strut. Slide bolt (3) through bores of collars and jacking shoe. Attach with washer (2) and nut (1).

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E. Install blocks (9) on collars (8) with tapered fillers (7) and bracket (6), if applicable, washers (5) and nuts (4). If the unit has a taxi light, attach the wire harness (170, Fig. 1101) to bracket (6) with clamps, screws and nuts (171, 172A, 172B, Fig. 1101).

NOTE: If you use the tapered fillers, be sure to turn them to let block (9) fit on the angle of the axle.

F. Tighten nuts (4, 10) to 120-200 lb-in. more than the run-on torque. Make sure the dimension between the top of the block and the shoulder at the end of the shank of the collar is equal on the forward and aft side within 0.03 inch after you tighten nuts (4). Collars (8) must not touch the axles.

8. Apply MIL-G-21164 or MIL-G-23827 or BMS 3-33 grease at all lube fittings.

9. Materials

NOTE: Equivalent substitutes can be used.

A. Corrosion Preventive Compound -- MIL-C-11796, class 3 (SOPM 20-60-03)

B. Corrosion Preventive Compound -- BMS 3-27 (SOPM 20-60-02)

C. Grease -- Aeroshell 22 (SOPM 20-60-03)

D. Primer -- BMS 10-11, Type 1 (SOPM 20-60-02)

E. Grease -- BMS 3-24 (SOPM 20-60-03)

F. Grease -- BMS 3-33 (SOPM 20-60-03)

G. Grease -- MIL-G-21164 (SOPM 20-30-03)

H. Grease -- MIL-G-23827 (SOPM 20-60-03)

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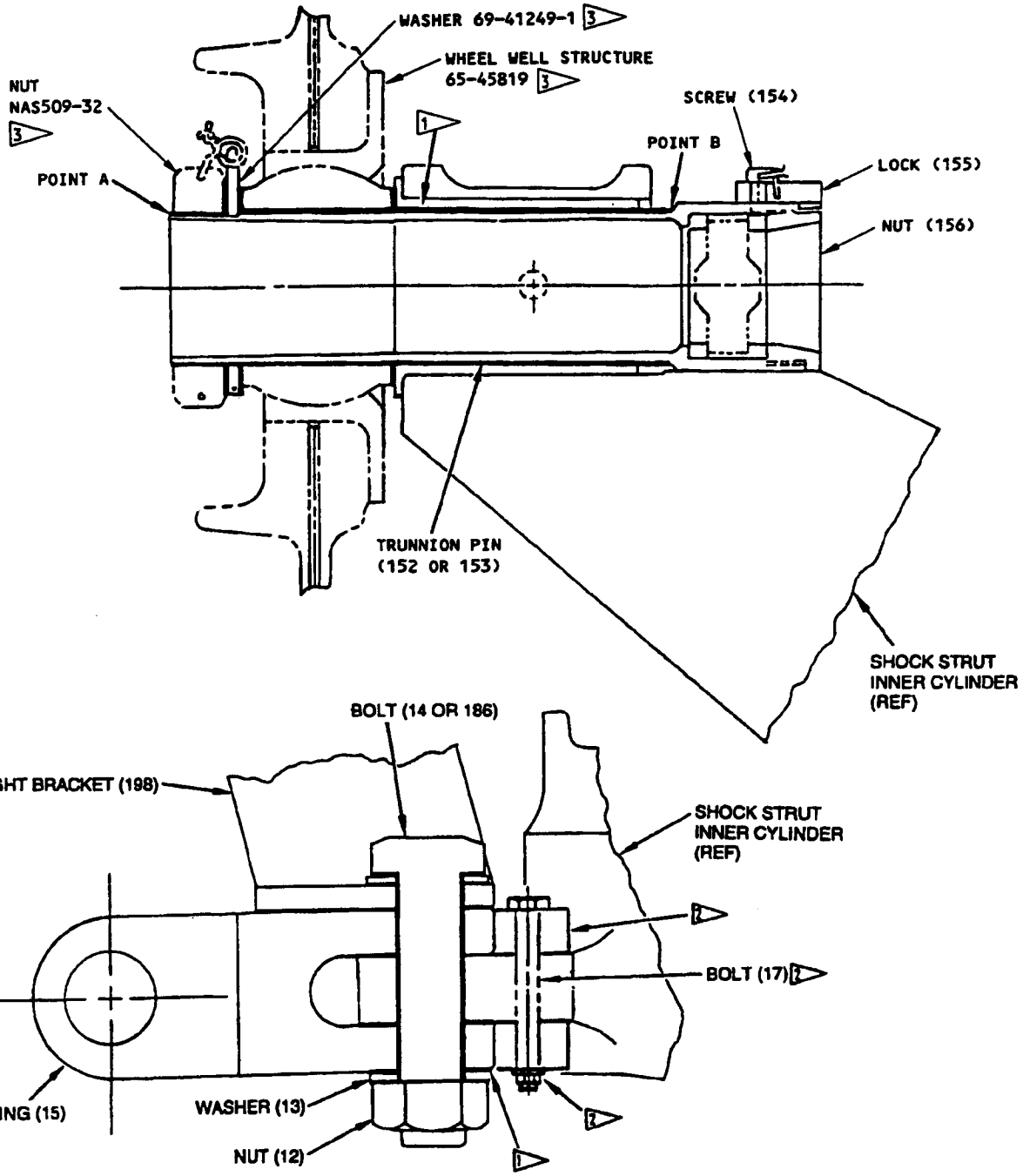

1 APPLY BMS 3-27 CORROSION PREVENTIVE COMPOUND TO AREAS AS INDICATED BY THESE DARK LINES

2 THESE DETAILS APPLY ONLY TO SPECIAL REPAIR TOW FITTING 65C36787-2.

3 INSTALLATION PARTS (REF)

ITEM NUMBERS REFER TO FIG. 1101

Corrosion Preventive Compound Application
Figure 500

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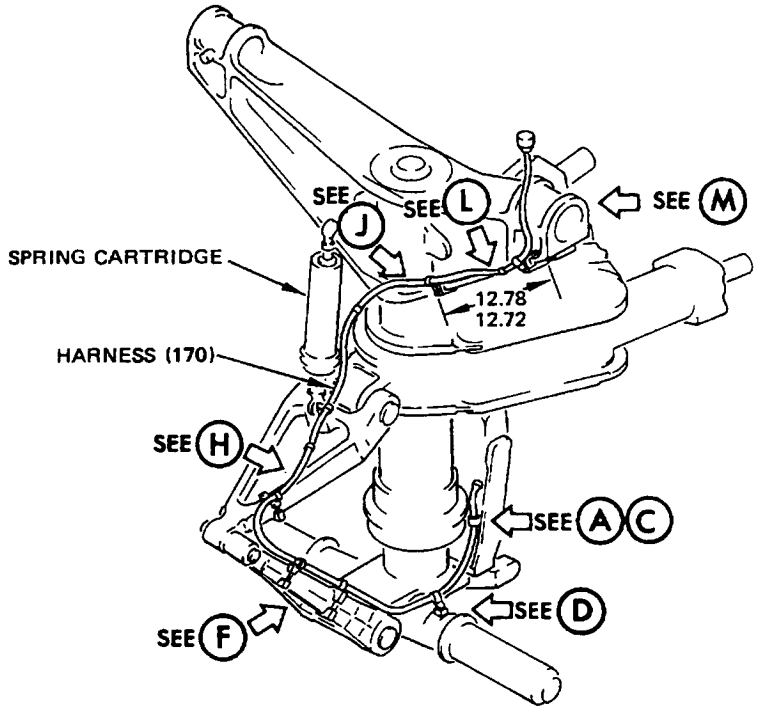
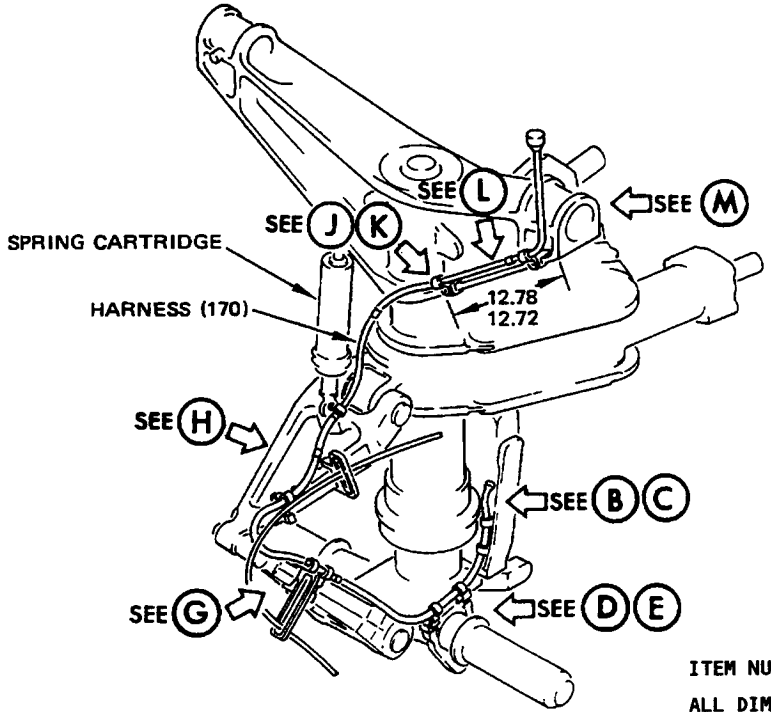


TAXI LIGHT HARNESS INSTALLATION 65–49726–1, –3

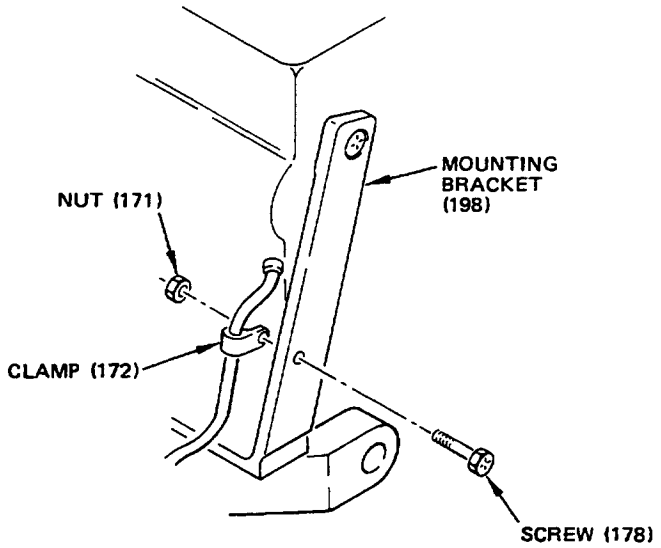


TAXI LIGHT HARNESS INSTALLATION
65–49726–4, –5, –10, –11, –12

ITEM NUMBERS REFER TO FIG. 1101

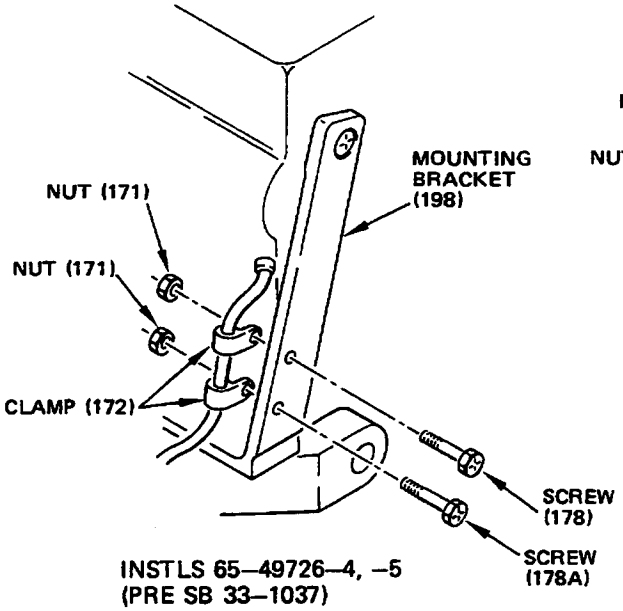
ALL DIMENSIONS ARE IN INCHES

Taxi Light Harness Details
Figure 501 (Sheet 1)



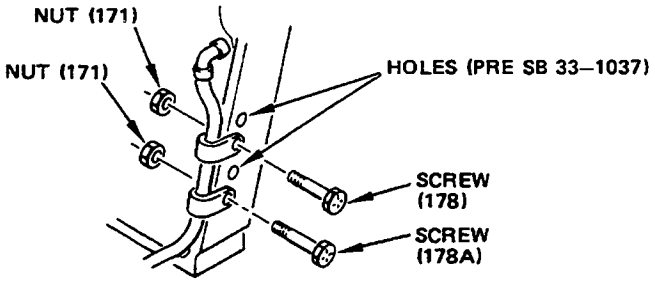
A

INSTLS 65–49726–1, –3 (PRE SB 33–1037)



INSTLS 65–49726–4, –5
(PRE SB 33–1037)

B



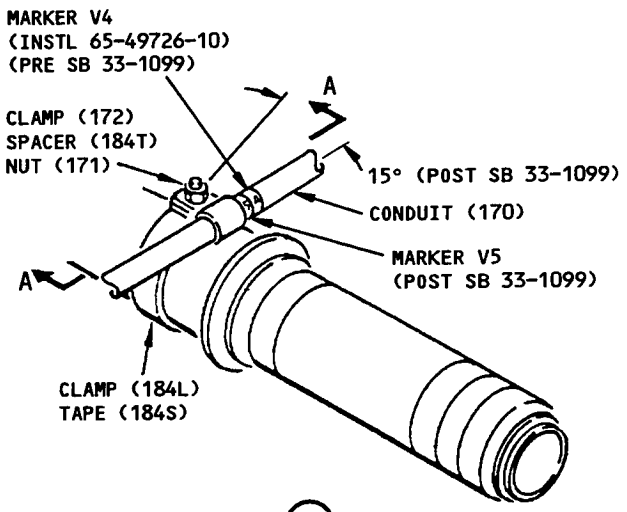
INSTLS 65-49726-10,-11,-12 AND
INSTLS POST SB 33-1037, 33-1097

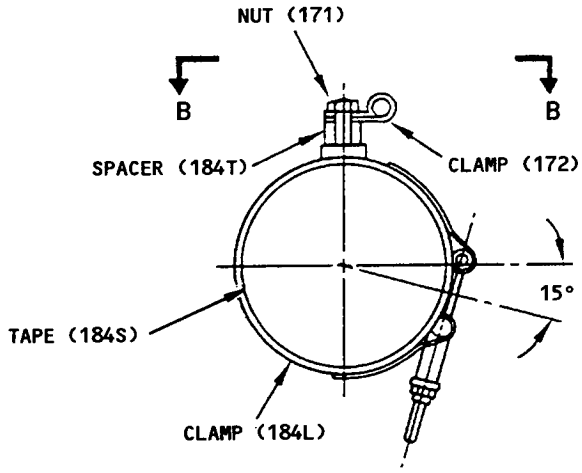
C

ITEM NUMBERS REFER TO FIG. 1101

Taxi Light Harness Details
Figure 501 (Sheet 2)

F08784

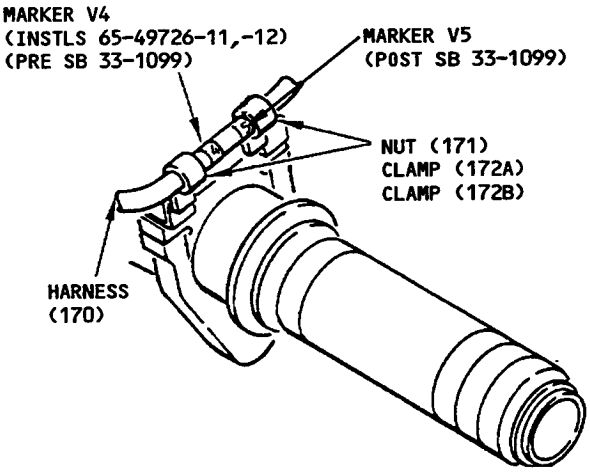


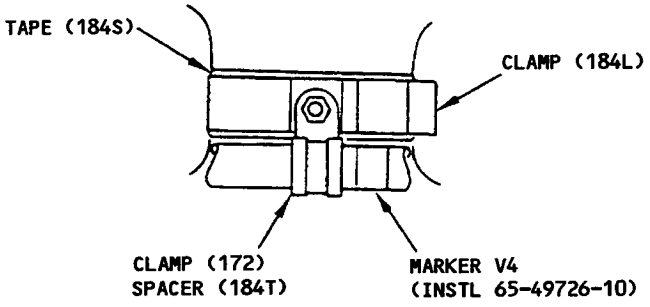


(D)

(INSTLS 65-49726-3,-4,-10)

(SEE VIEWS (F) (G) FOR PRE SB 33-1099 MARKER V4 LOCATION ON INSTL 65-49726-3,-4)





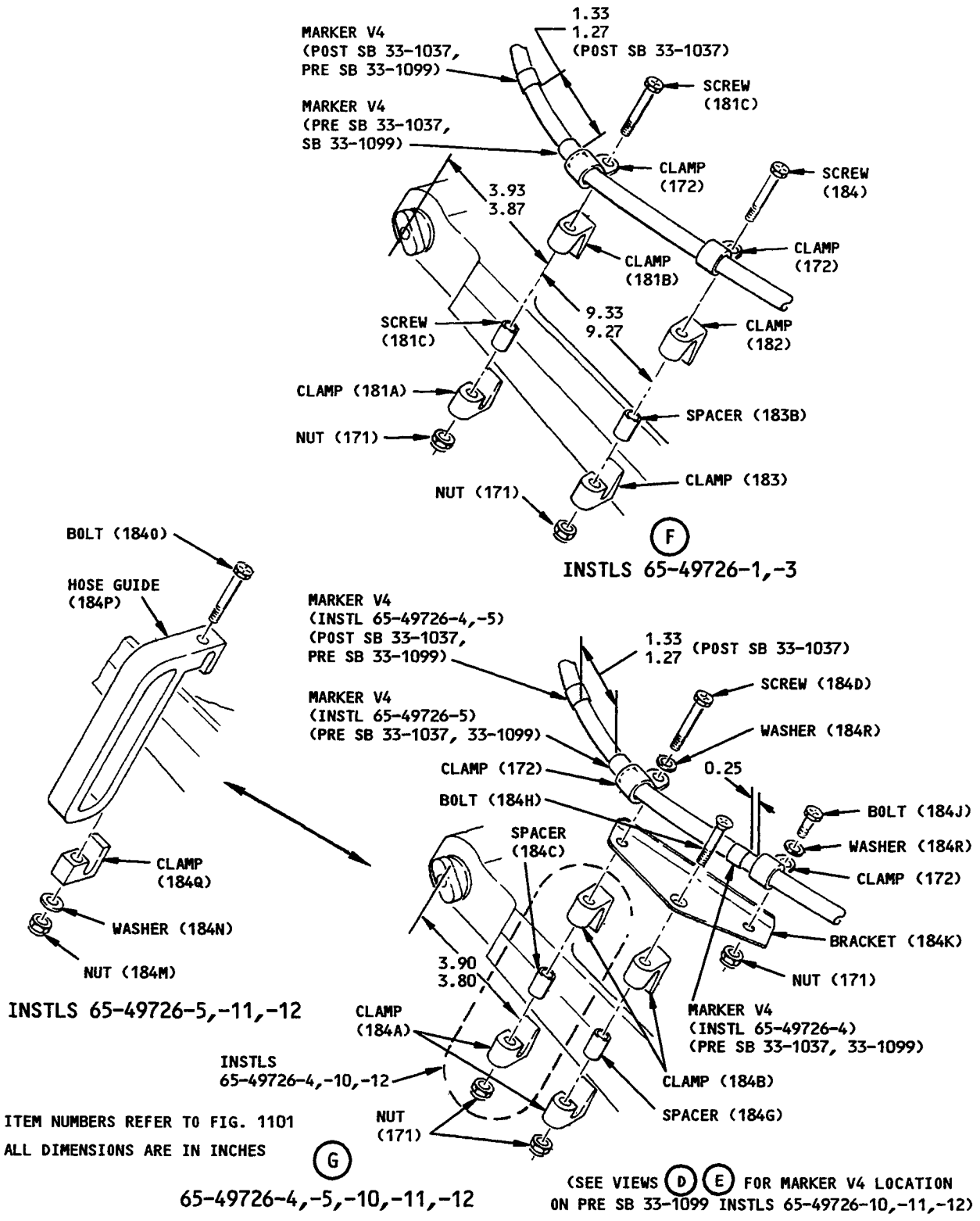
(E)

(INSTLS 65-49726-5,-11,-12)

(SEE VIEW (G) FOR PRE SB 33-1099 MARKER V4 LOCATION ON INSTL 65-49726-5)

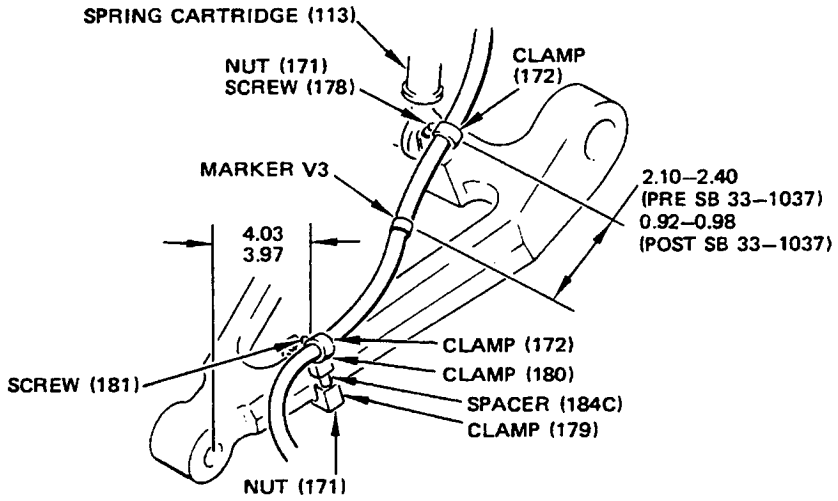
ITEM NUMBERS REFER TO FIG. 1101

Taxi Light Harness Details
Figure 501 (Sheet 3)



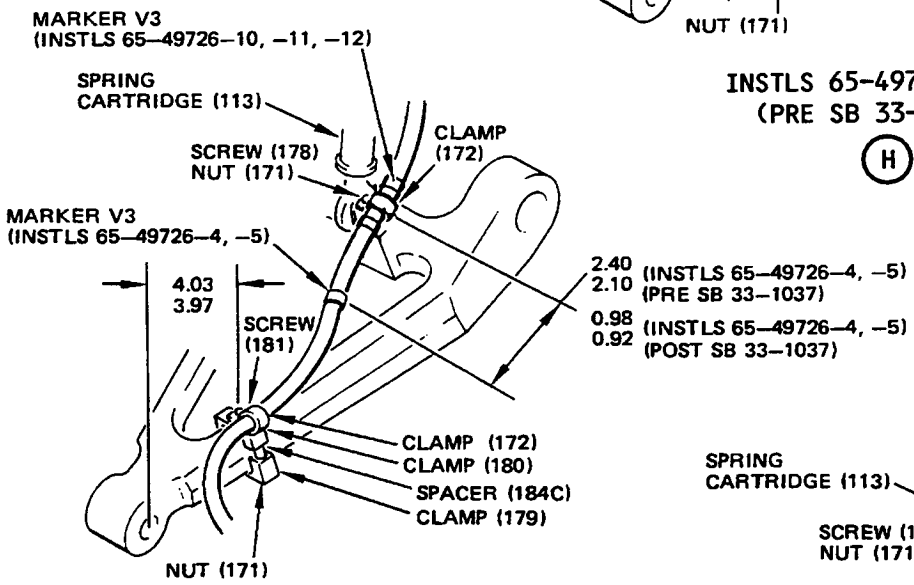
Taxi Light Harness Details
Figure 501 (Sheet 4)

F08979



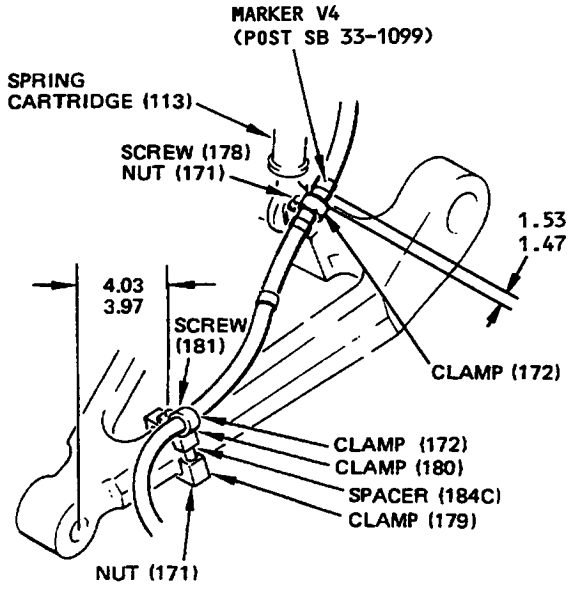
INSTLS 65-49726-1,-3
(PRE SB 33-1099)

(H)



INSTLS 65-49726-4,-5,-10,-11,-12
(PRE SB 33-1099)

(H)



INSTLS POST SB 33-1099

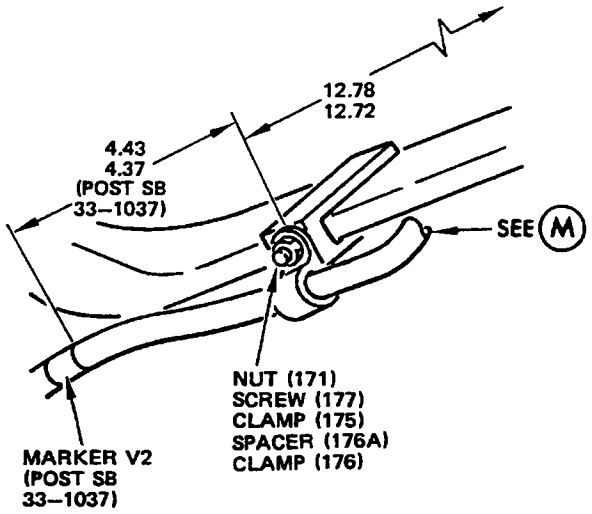
(H)

ITEM NUMBERS REFER TO FIG. 1101

ALL DIMENSIONS ARE IN INCHES

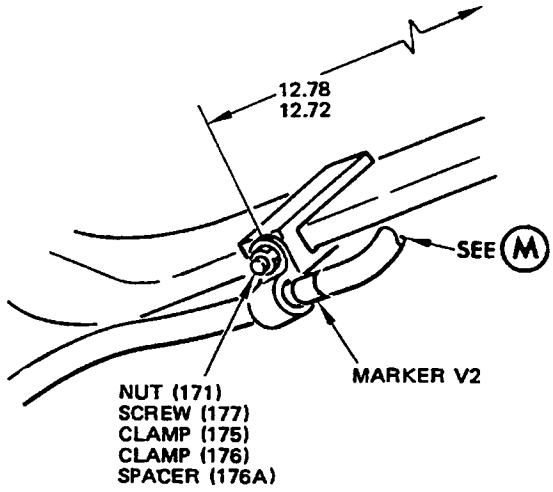
Taxi Light Harness Details
Figure 501 (Sheet 5)

F08976



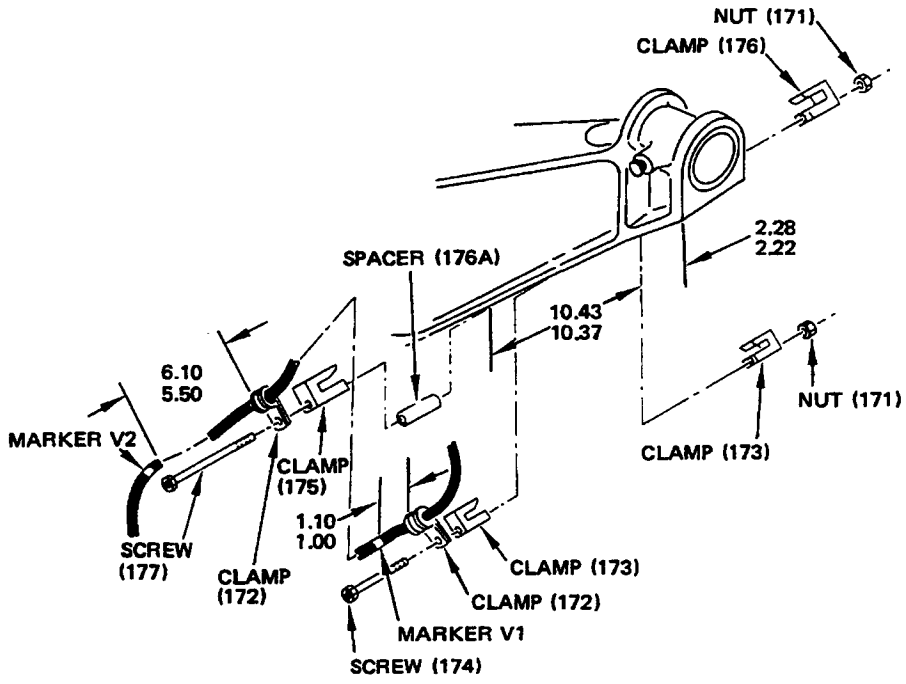
INSTLS POST SB 33-1037

(J)



INSTLS 65-49726-10,-11,-12

(K)



INSTLS 65-49726-1,-3,-4,-5
(PRE SB 33-1099)

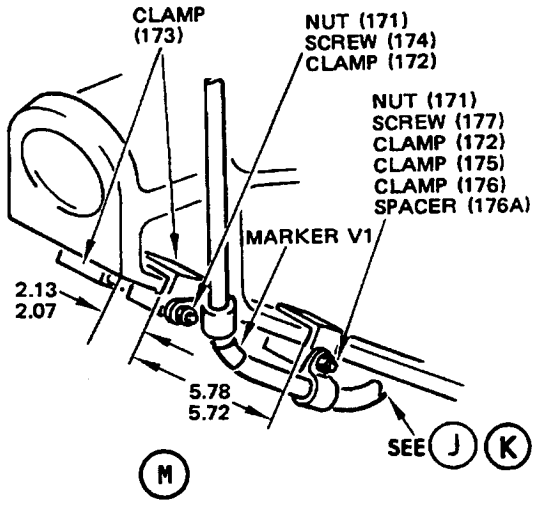
(L)

ITEM NUMBERS REFER TO FIG. 1101

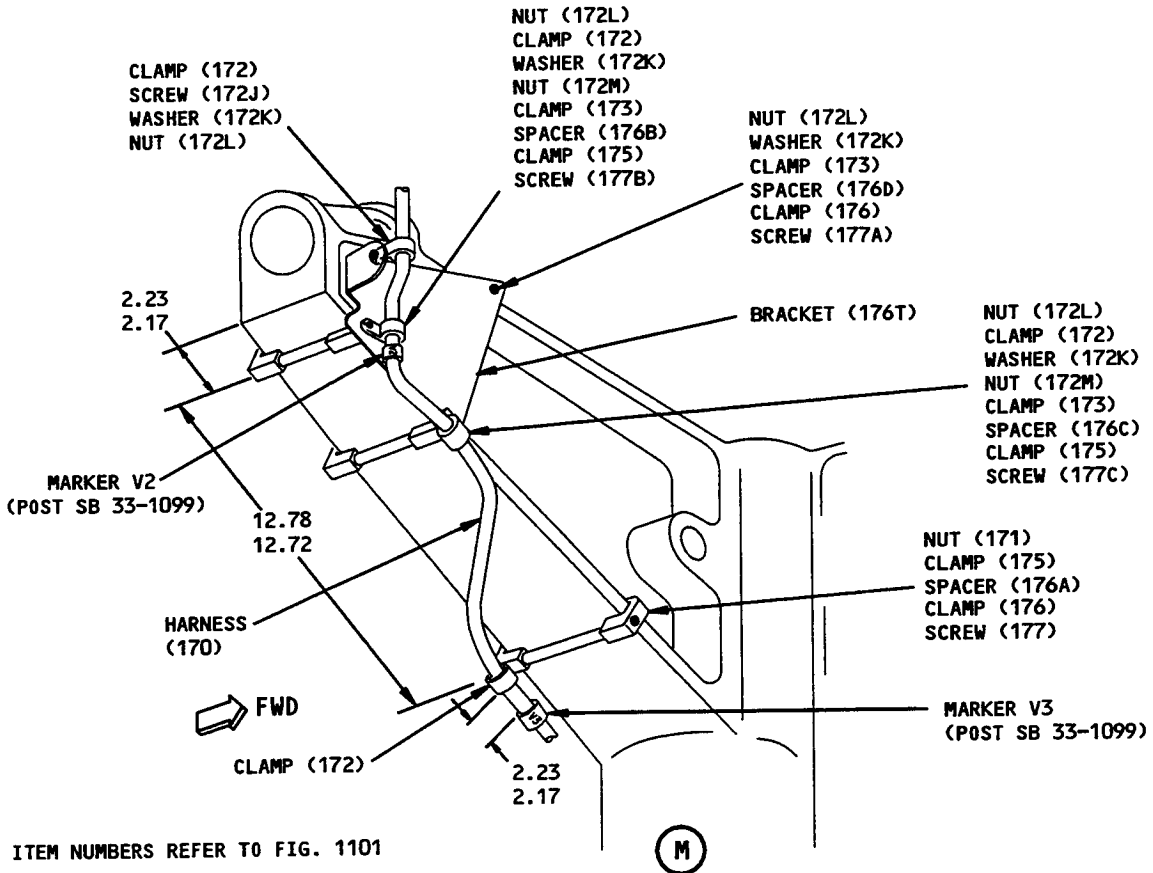
ALL DIMENSIONS ARE IN INCHES

Taxi Light Harness Details
Figure 501 (Sheet 6)

F08991



INSTLS 65-49726-10,-11,-12 AND
INSTLS POST SB 33-1037, PRE SB 1099

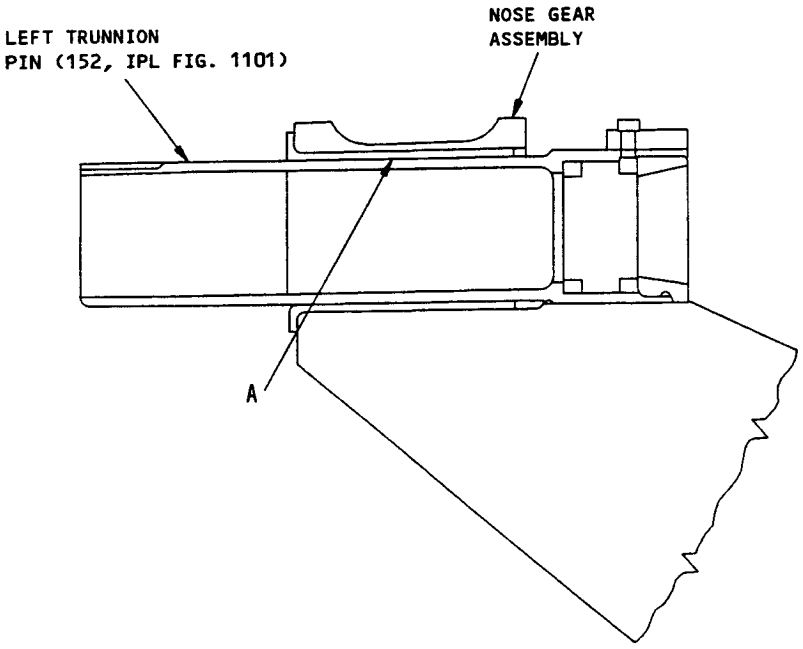


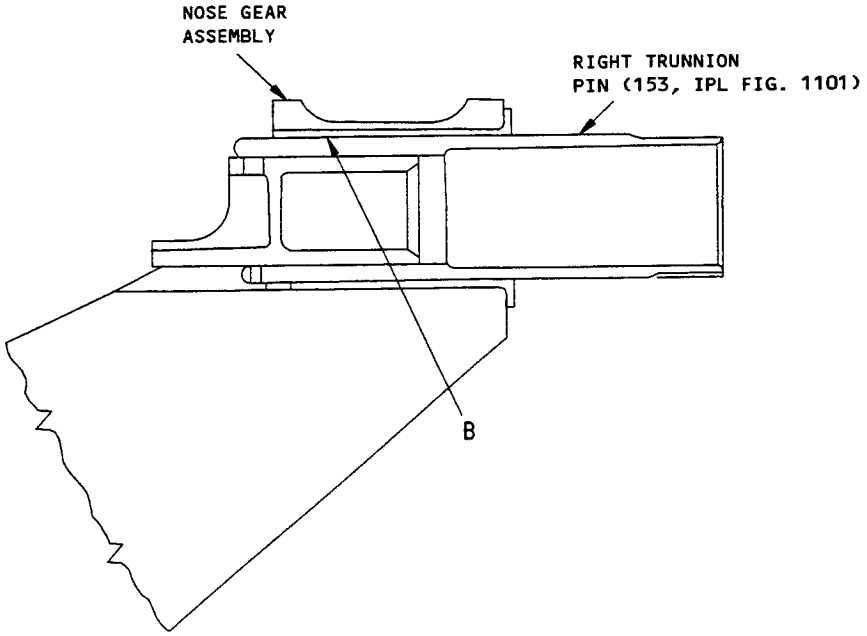
ITEM NUMBERS REFER TO FIG. 1101
ALL DIMENSIONS ARE IN INCHES

INSTLS POST SB 33-1099

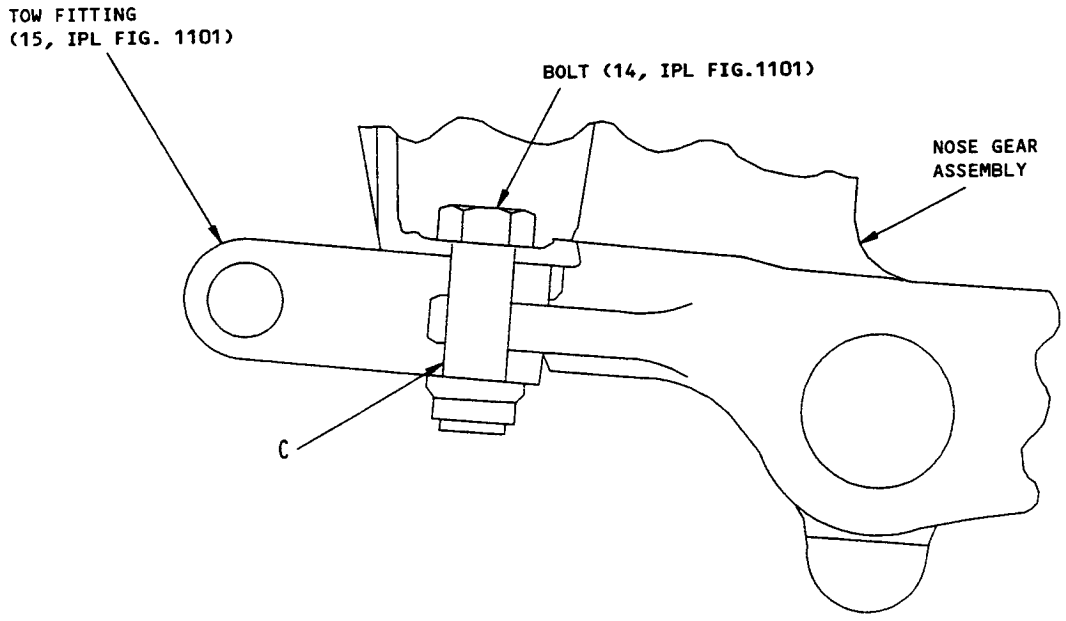
Taxi Light Harness Details
Figure 501 (Sheet 7)

FITS AND CLEARANCES





Fits and Clearances
Figure 601 (Sheet 1)



Fits and Clearances
Figure 601 (Sheet 2)

Ref Letter Fig. 601	Mating Item No. Fig. 1101	Design Dimensions				Service Wear Limits		
		Dimensions (inches)		Assembly Clearance (inch)		Dimension Limits (inch)		Maximum Allowable Clearance (inch)
		Min	Max	Min	Max	Min	Max	
A	ID *[1] OD 152 *[7]	2.0000 1.9989	2.0010 1.9998	0.0002	0.0021	1.9950	2.0048	0.0050
A	ID *[1] OD 152 *[8]	2.0000 1.9985	2.0010 1.9995	0.0005	0.0025	1.9950	2.0048	0.0050
B	ID *[1] OD 153 *[9]	2.0000 1.9989	2.0010 1.9998	0.0002	0.0021	1.9950	2.0048	0.0050
B	ID *[1] OD 153 *[10]	2.0000 1.9985	2.0010 1.9995	0.0005	0.0025	1.9950	2.0048	0.0050
C	ID 15 *[2] OD 14	0.7500 0.7480	0.7550 0.7490	0.0010	0.0070	0.7463	0.7577	0.0087
C	15 *[3] 14	0.7550 0.7480	0.7600 0.7490	0.0060	0.0120	0.7463	0.7627	0.0137
*[4]	ID 5 69-39154-1 (Minor Dia.)	1.9950	2.0033				*[6] 2.0033	
*[4]	ID 5 69-39154-1 (Pitch Dia.)	2.0219	2.0271				*[6] 2.0271	
*[4]	ID 5 69-39154-2 (Minor Dia.)	1.9950	1.9970				*[6] 1.9990	
*[4]	ID 5 69-39154-2 (Pitch Dia.)	2.0219	2.0249				*[6] 2.0279	
*[5]	ID 5 69-77849-1 (Minor Dia.)	1.9392	1.9412				*[6] 1.9476	
*[5]	ID 5 69-77849-1 (Pitch Dia.)	1.9594	1.9614				*[6] 1.9646	
*[5]	ID 5 69-77849-2 (Minor Dia.)	1.9392	1.9412				*[6] 1.9442	
*[5]	ID 5 69-77849-2 (Pitch Dia.)	1.9594	1.9624				*[6] 1.9654	

Fits and Clearances
Figure 601 (Sheet 3)

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*[1] Shock strut bushing 65-46150-3 (OHM 32-21-11, Fig. 1101, item 17)
*[2] Tow Fitting 69-41278-1, -2
*[3] Tow Fitting 69-41278-3, -4
*[4] 2.0625-16 UNS3B (Standard Threads)
*[5] 2.0000-16 UNS3B (Undersize Threads)
*[6] No repair permitted. Replace the axle nut when the actual pitch diameter or minor diameter is larger than the service wear limit.
*[7] Pin 65-35398-1, -2
*[8] Pin 65C34776-1
*[9] Pin 69-41248-1, -2
*[10] Pin 69-41248-3

Fits and Clearances
Figure 601 (Sheet 4)

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STORAGE INSTRUCTIONS

1. Place unit in suitable stand or fixture which provides adequate support under inner cylinder to remove weight from tires.

2. Comply with applicable vendors instructions for storage of wheel and tire assembly.

3. Protect unit with vapor barrier paper or cover.

4. Refer to Subject 32-21-11 for servicing of shock strut.

SPECIAL TOOLS, FIXTURES AND EQUIPMENT

NOTE: Equivalent substitutes can be used. The vendor is Boeing if the vendor is not specified.

1. F80168-1 -- Socket, Axle Nut
2. F72913-10 -- Axle & Thread Protection Set (standard threads) (Replaces F72913-7)
3. F72913-15 -- Axle Thread Protector (undersize threads)
4. Axle Nut Thread Gages
   - A. F80198-14 -- Plug gage, 2.0028-2.0033 inch (for standard axle nuts)
   - B. F80198-15 -- Plug gage, 1.9471-1.9476 inch (for undersize axle nuts)
   - C. Class X, 1.9949 inch Go/2.0034 inch No Go -- Nut gage, V1DF30 or V50243 (for standard axle nuts)
   - D. Class X, 1.9391 inch Go/1.9477 No Go -- Nut gage, V1DF30 or V50243 (for undersize axle nuts)
   - E. 2.0625-16-UNS-3B No Go -- No Go nut gage, 2.0272 inch pitch diameter, V1DF30 or V50243 (for standard axle nuts)
   - F. 2.0000-16-UNS-3B No Go -- No Go nut gage, 1.9647 inch pitch diameter, V1DF30 or V50243 (for undersize axle nuts)
   - G. GJ-5/PD-MD -- Axle nut internal thread gage tool, Johnson Gage Co., V74979 (Optional)

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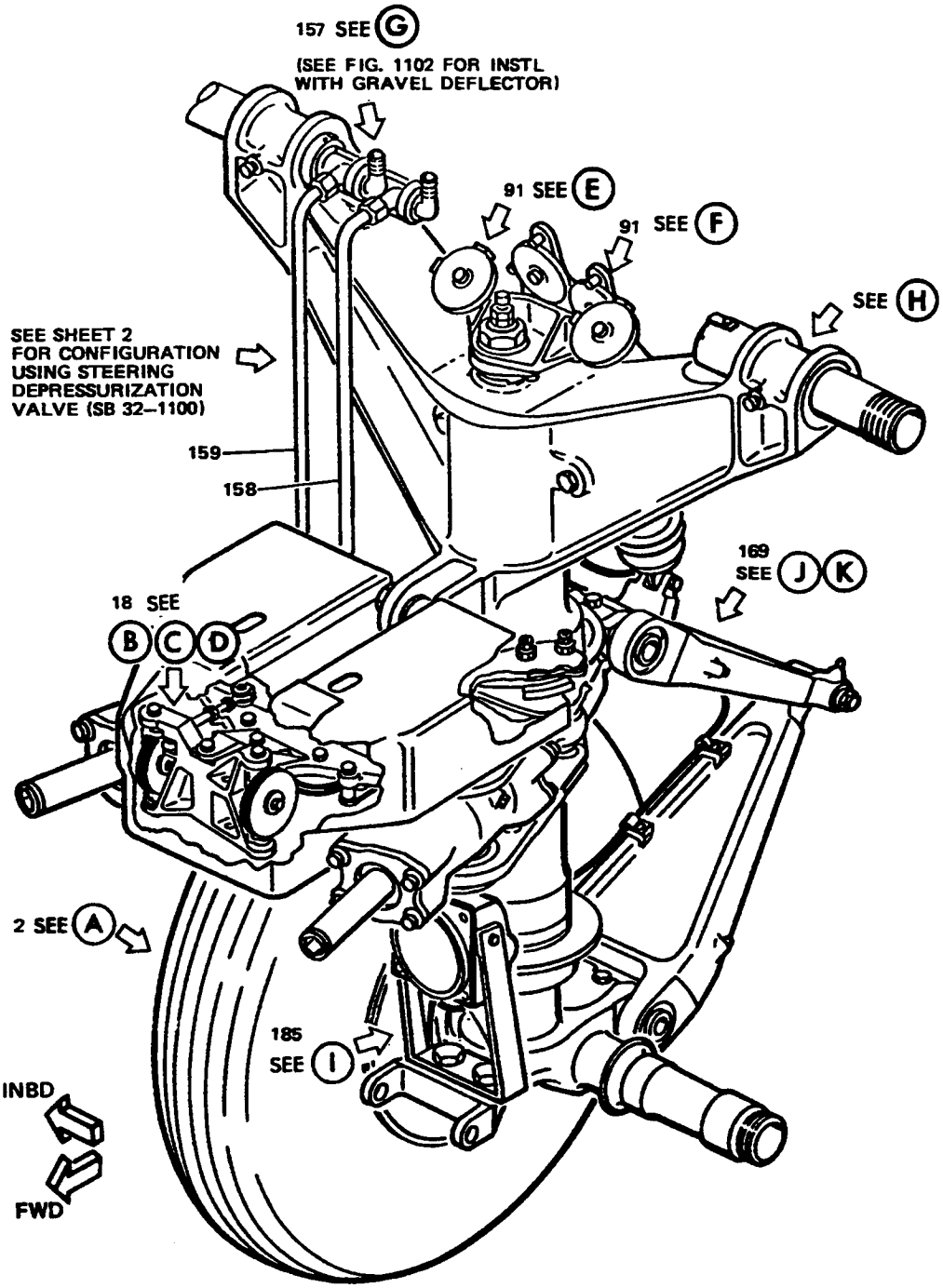
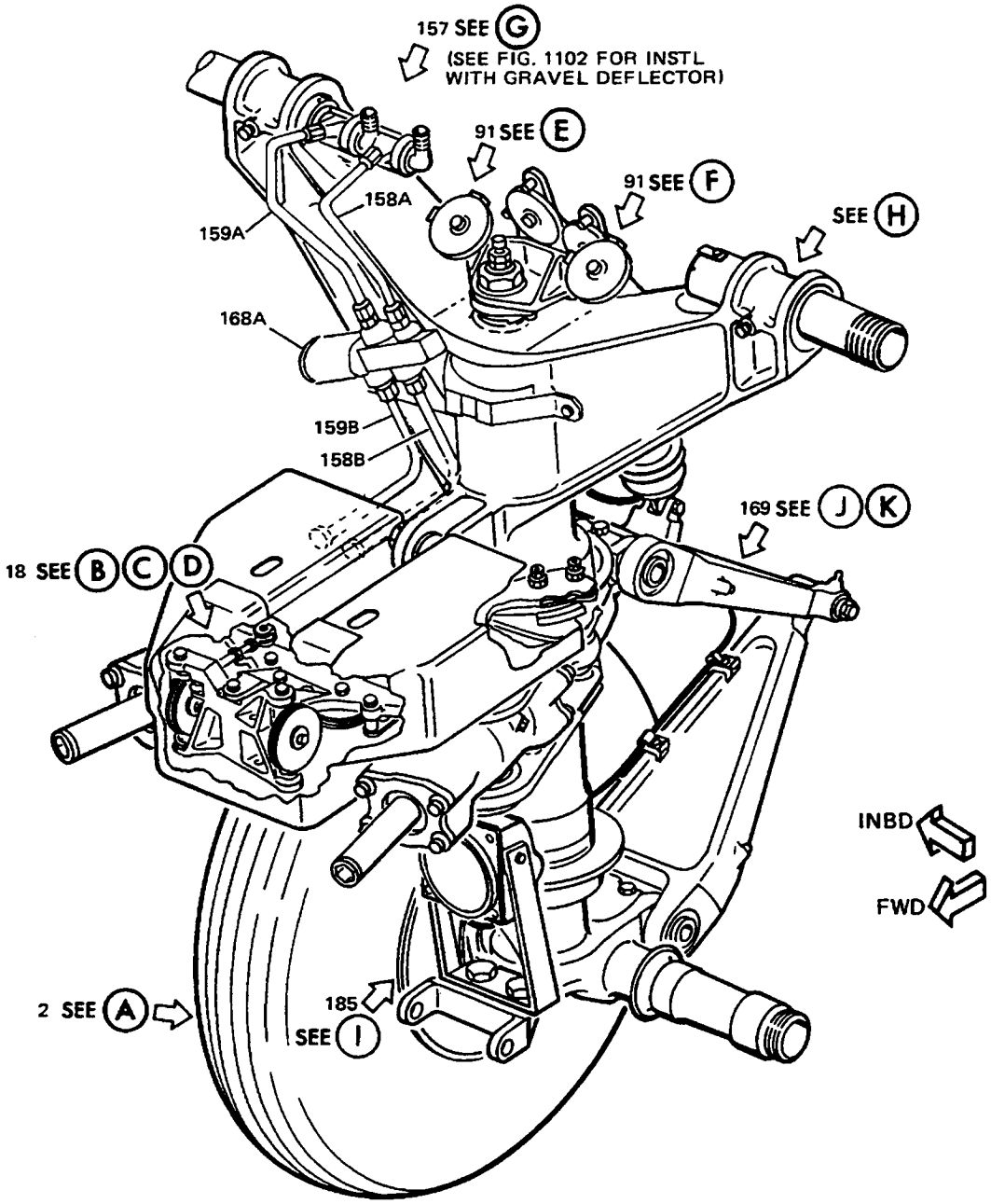


PRE SB 32-1100 CONFIGURATION

Nose Gear Buildup
Figure 1101 (Sheet 1)

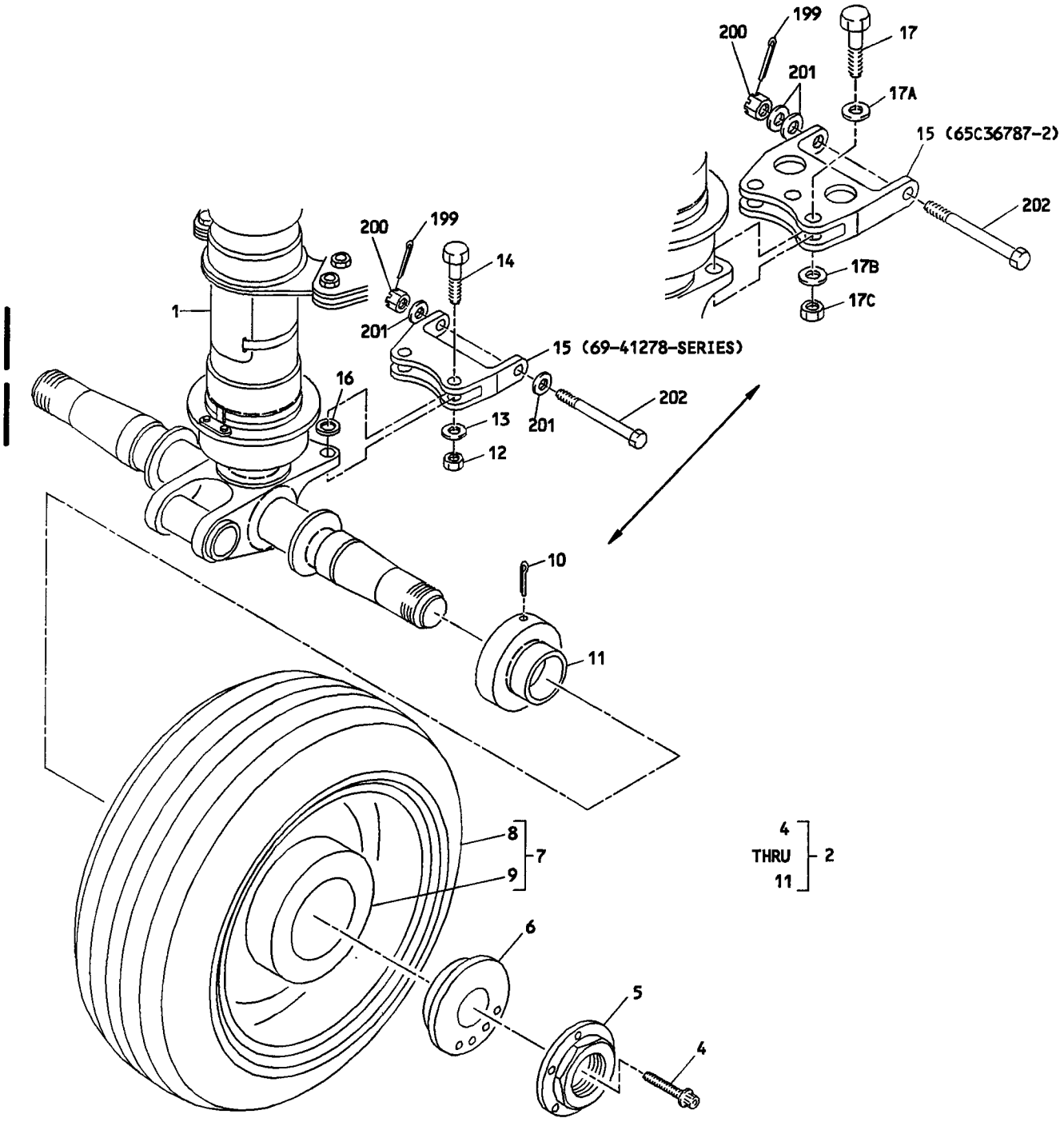
F23382



POST SB 32–1100 CONFIGURATION

Nose Gear Buildup
Figure 1101 (Sheet 2)

F23386

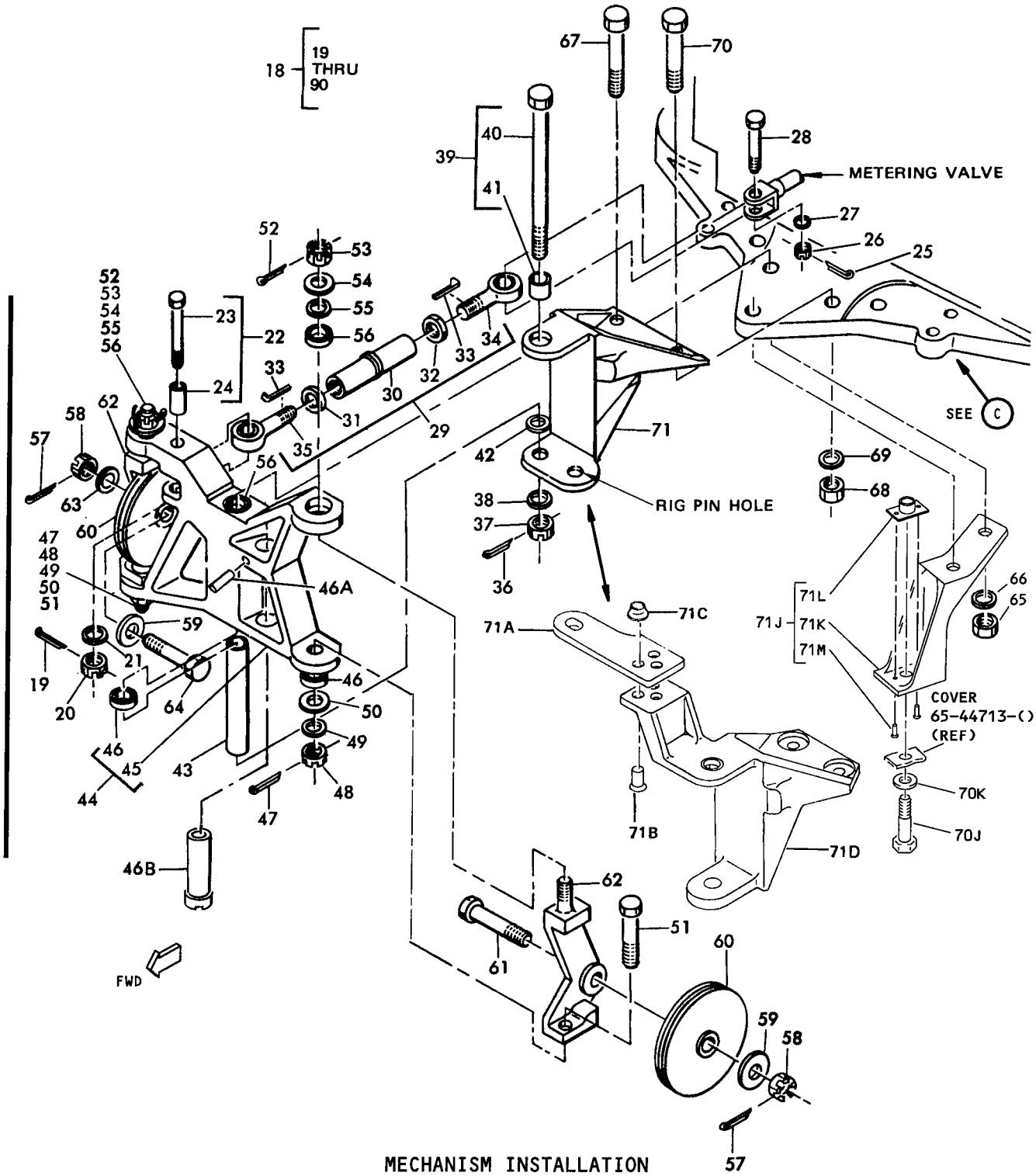


WHEEL INSTALLATION

(A)

(ROTATED 180°)

Nose Gear Buildup
Figure 1101 (Sheet 3)



Nose Gear Buildup
Figure 1101 (Sheet 4)

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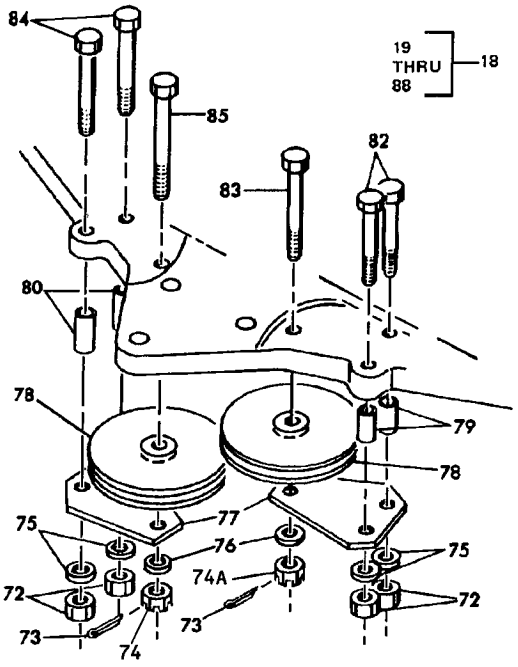
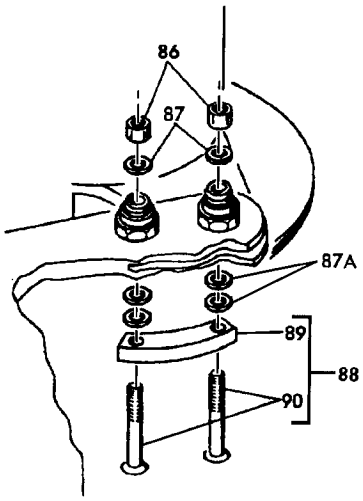


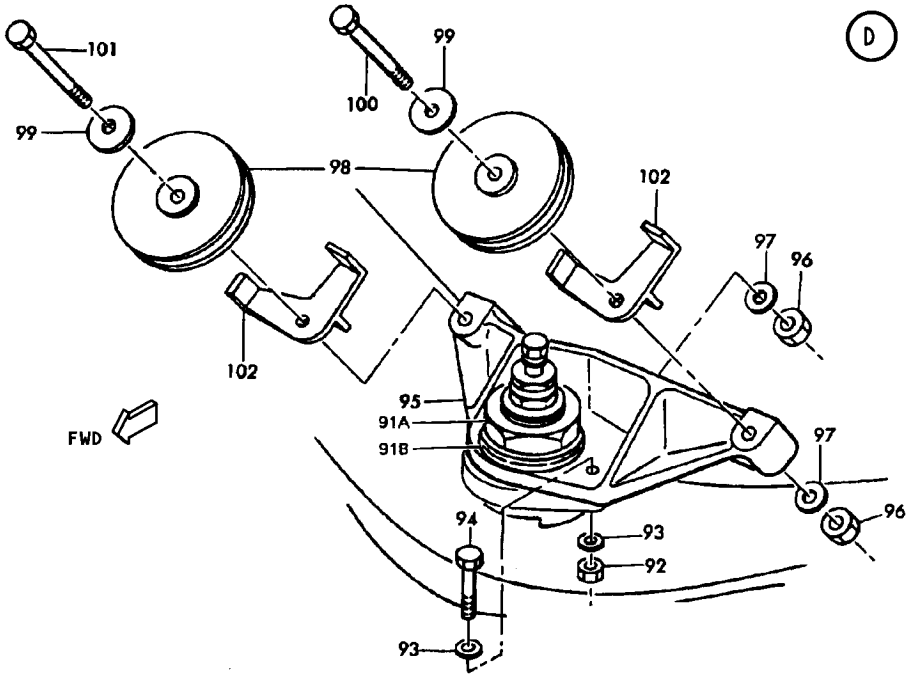
MECHANISM INSTALLATION

(C)



MECHANISM INSTALLATION

(D)



PISTON POSITION INSTALLATION

(E)

Nose Gear Buildup
Figure 1101 (Sheet 5)

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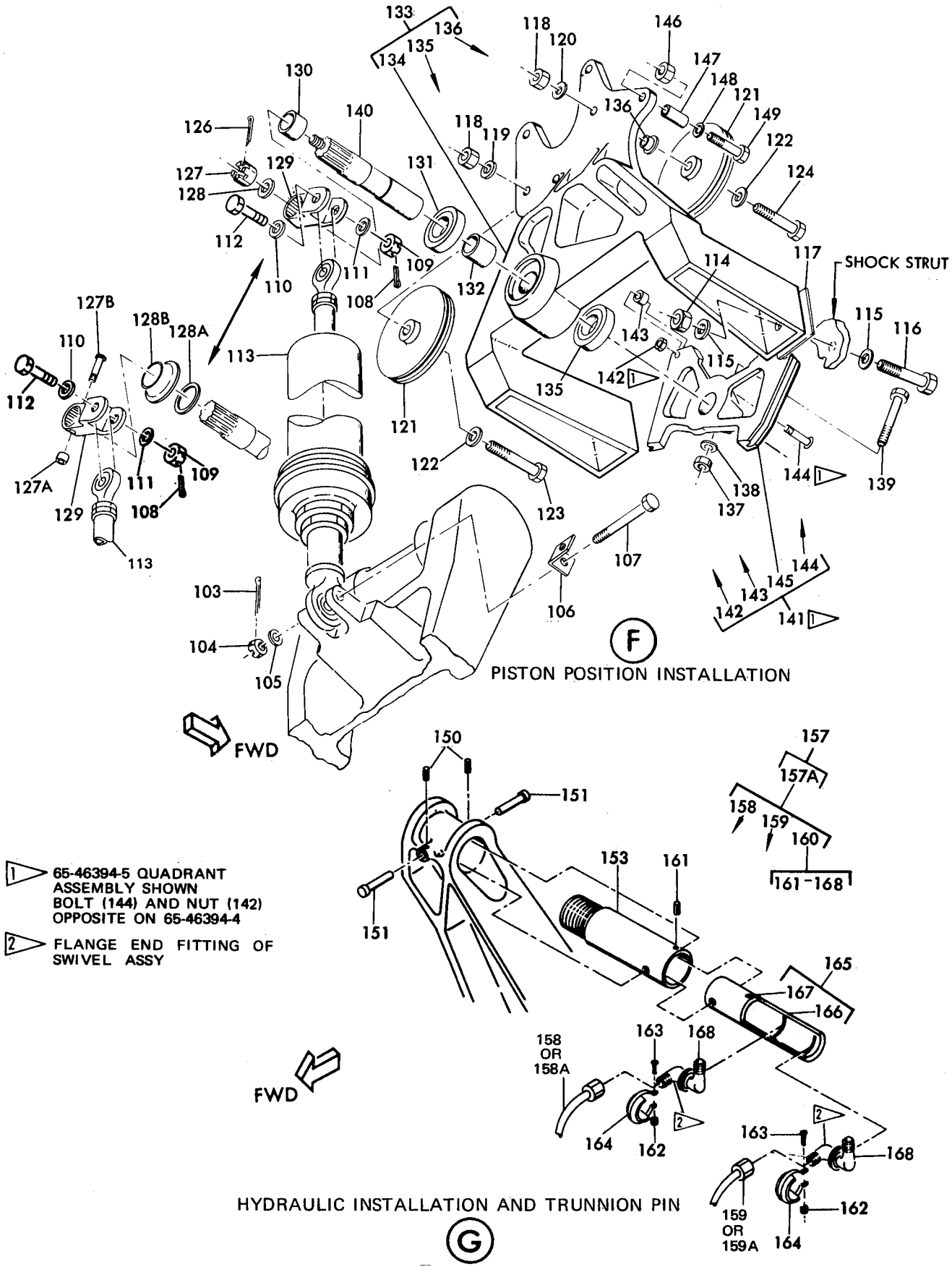


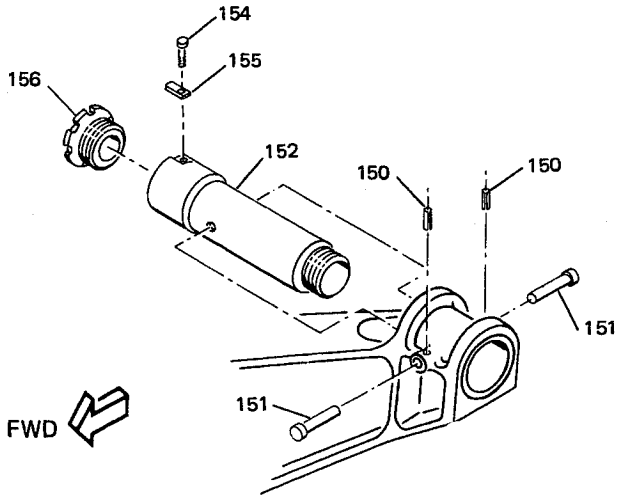
PISTON POSITION INSTALLATION

F

HYDRAULIC INSTALLATION AND TRUNNION PIN

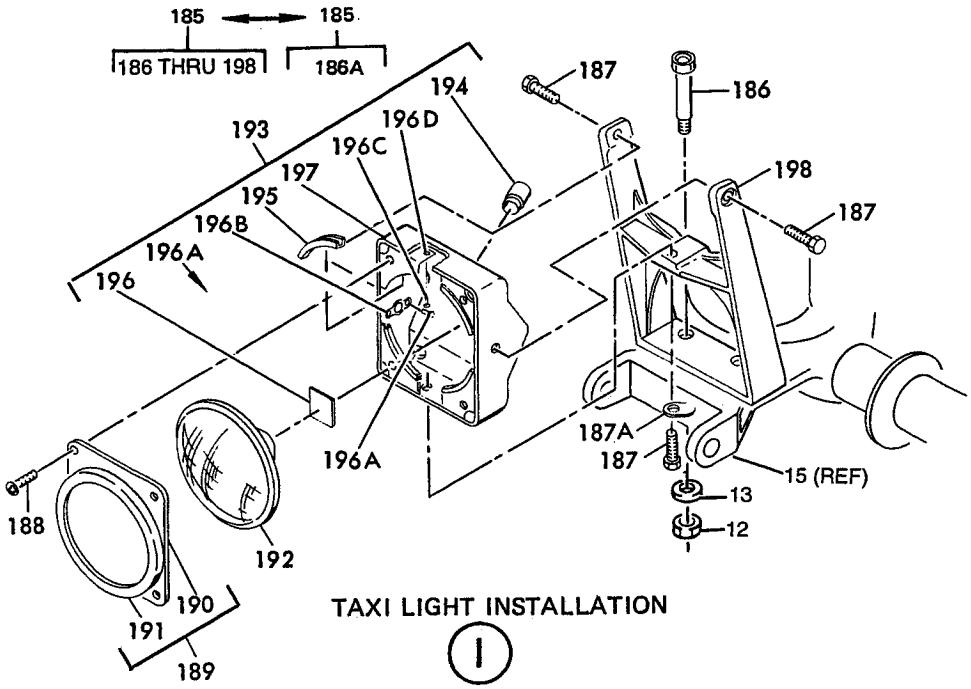
G

Nose Gear Buildup
Figure 1101 (Sheet 6)



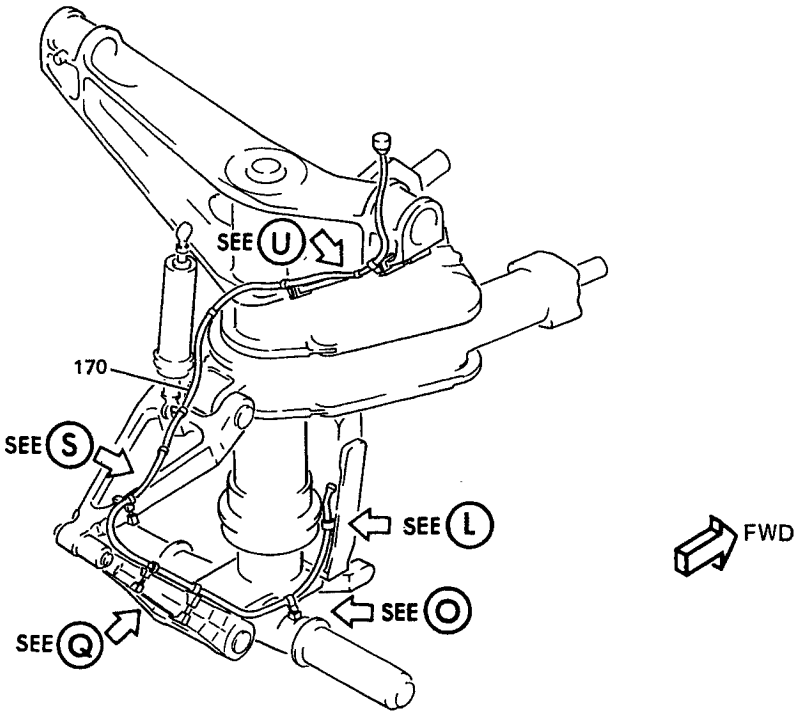
L H TRUNNION PIN

(H)



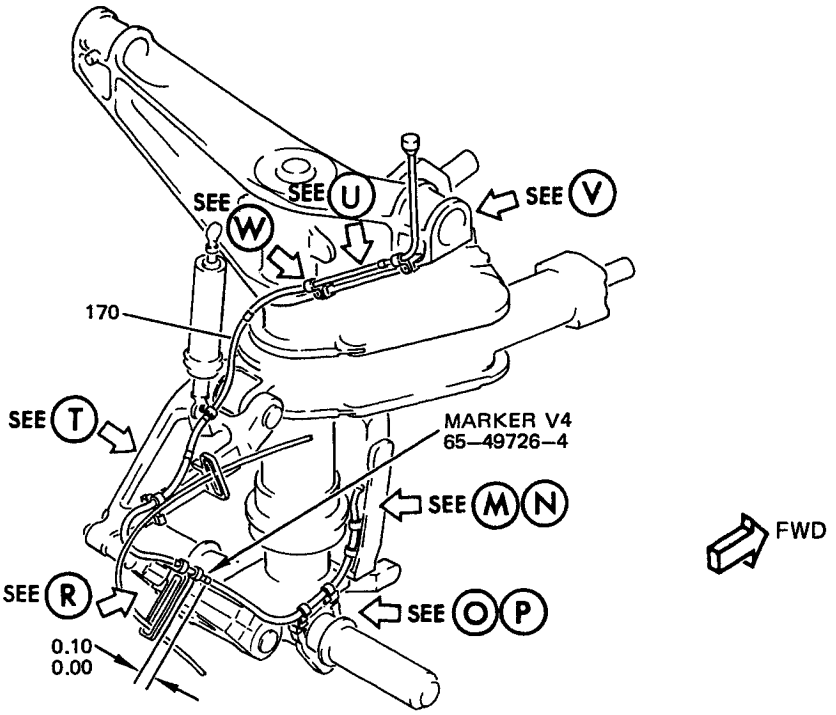
TAXI LIGHT INSTALLATION

(I)



TAXI LIGHT HARNESS INSTALLATION (65–49726–1, –3)

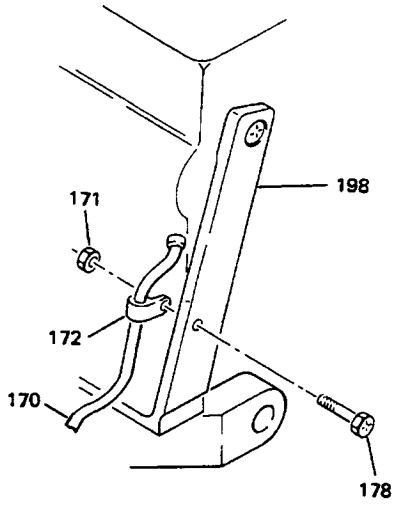
J



TAXI LIGHT HARNESS INSTALLATION
(65–49726–4, –5, –10, –11, –12, –15, –16

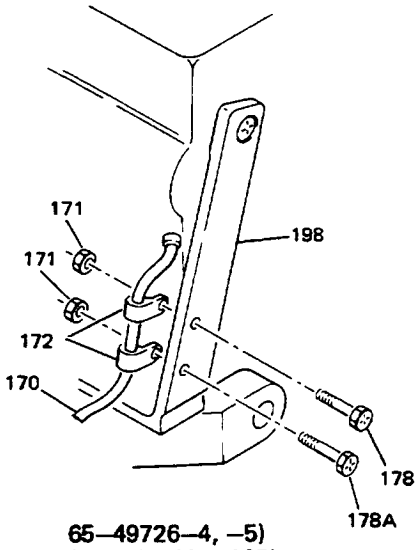
K

Nose Gear Buildup
Figure 1101 (Sheet 8)



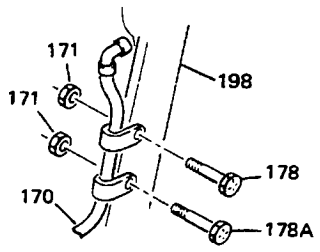
65–49726–1, –3
(PRE SB 33–1037)

(L)



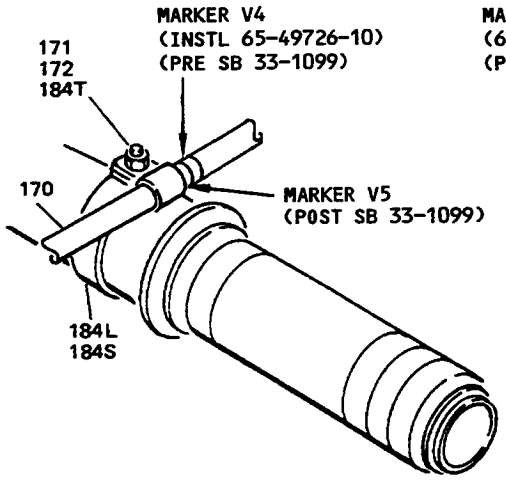
65–49726–4, –5)
(PRE SB 33–1037)

(M)



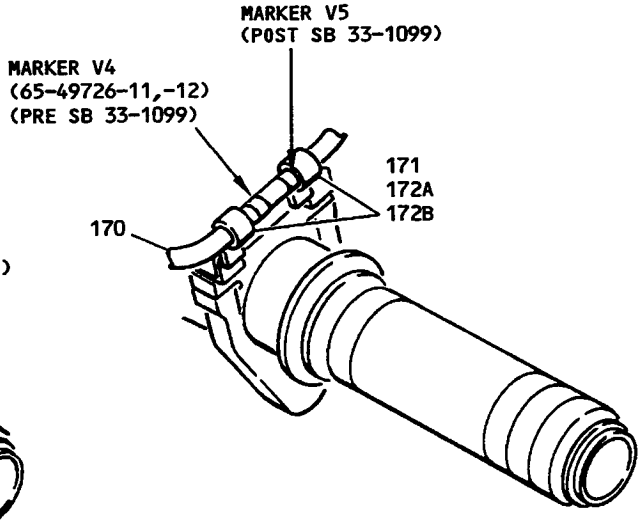
65-49726-10,-11,-12
AND INSTLS POST
SB 33-1037, 33-1099

(N)



65–49726–3, –4, –10

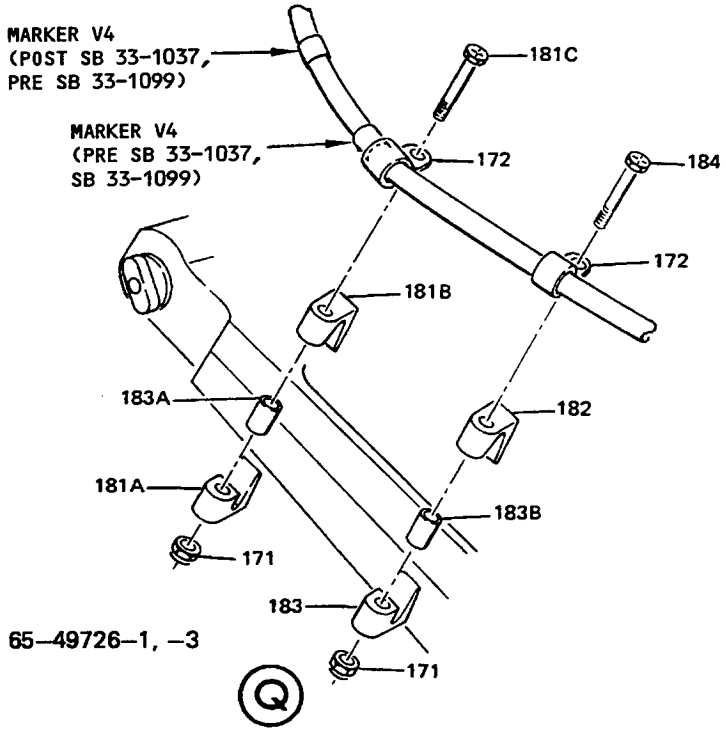
(O)

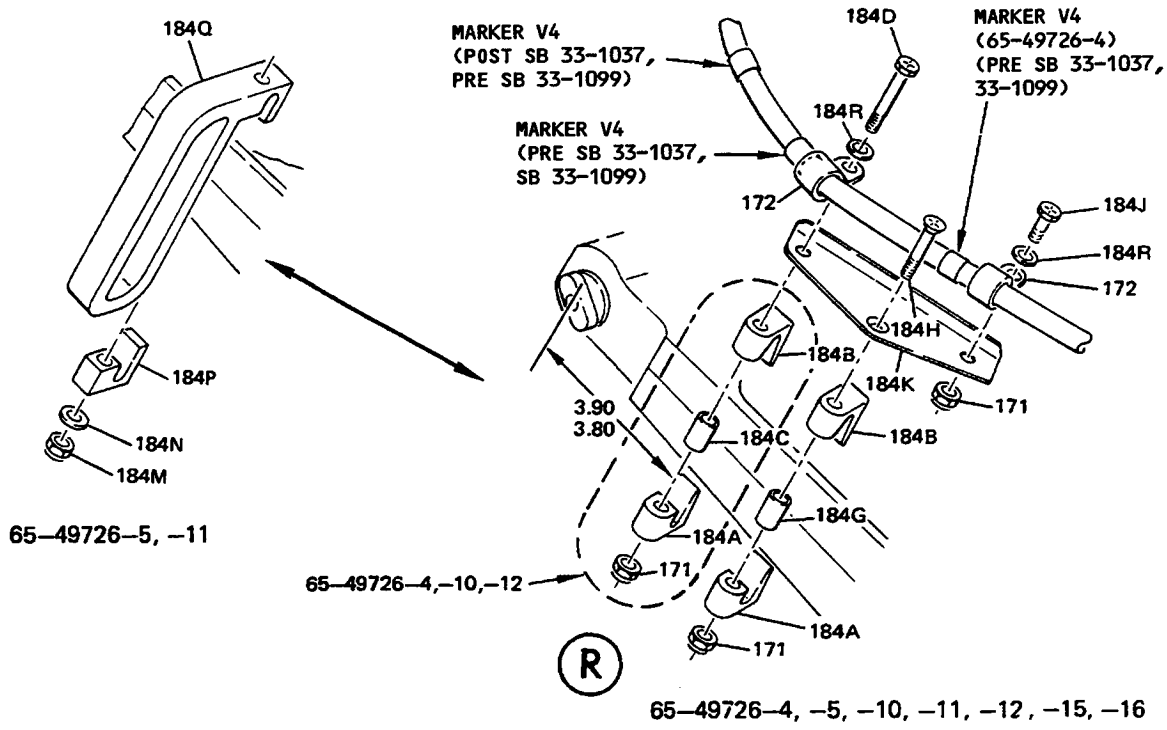


65–49726–5, –11, –12, –15, –16

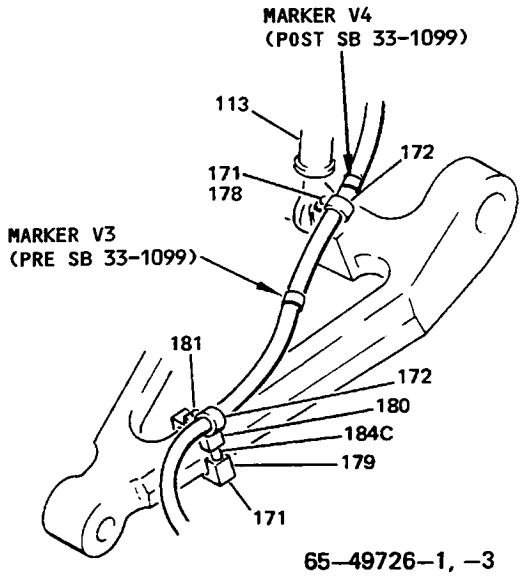
(P)

Nose Gear Buildup
Figure 1101 (Sheet 9)



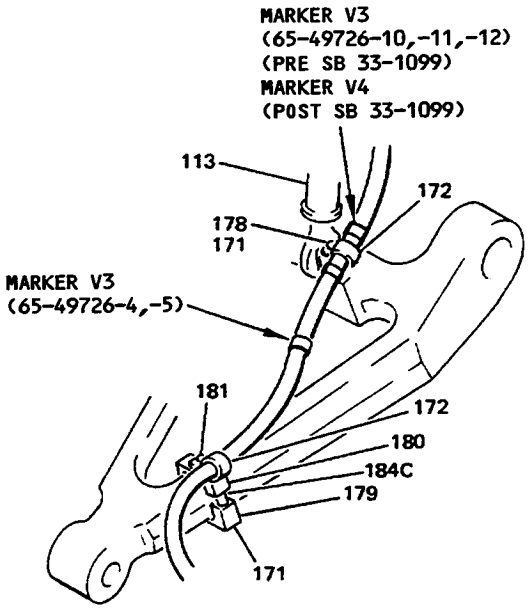


Nose Gear Buildup
Figure 1101 (Sheet 10)



65–49726–1, –3

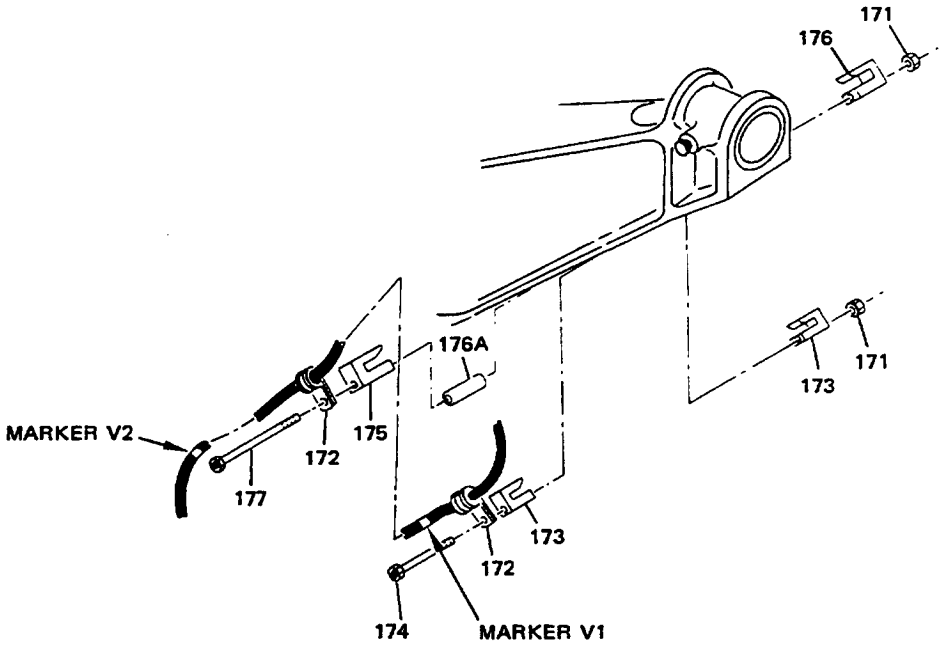
(S)



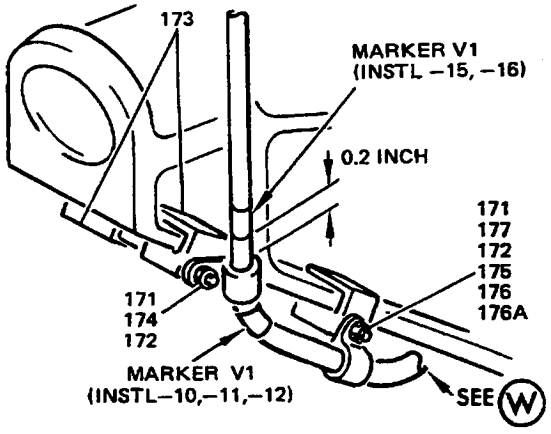
65–49726–4, –5, –10, –11, –12, –15, –16

(T)

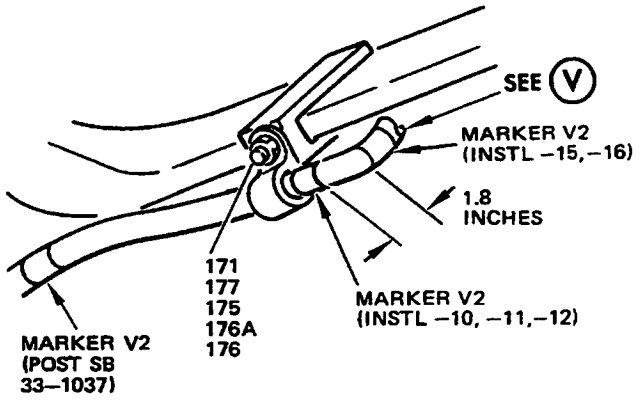
Nose Gear Buildup
Figure 1101 (Sheet 11)



65-49726-1,-3,-4,-5
(PRE SB 33-1099)
(U)



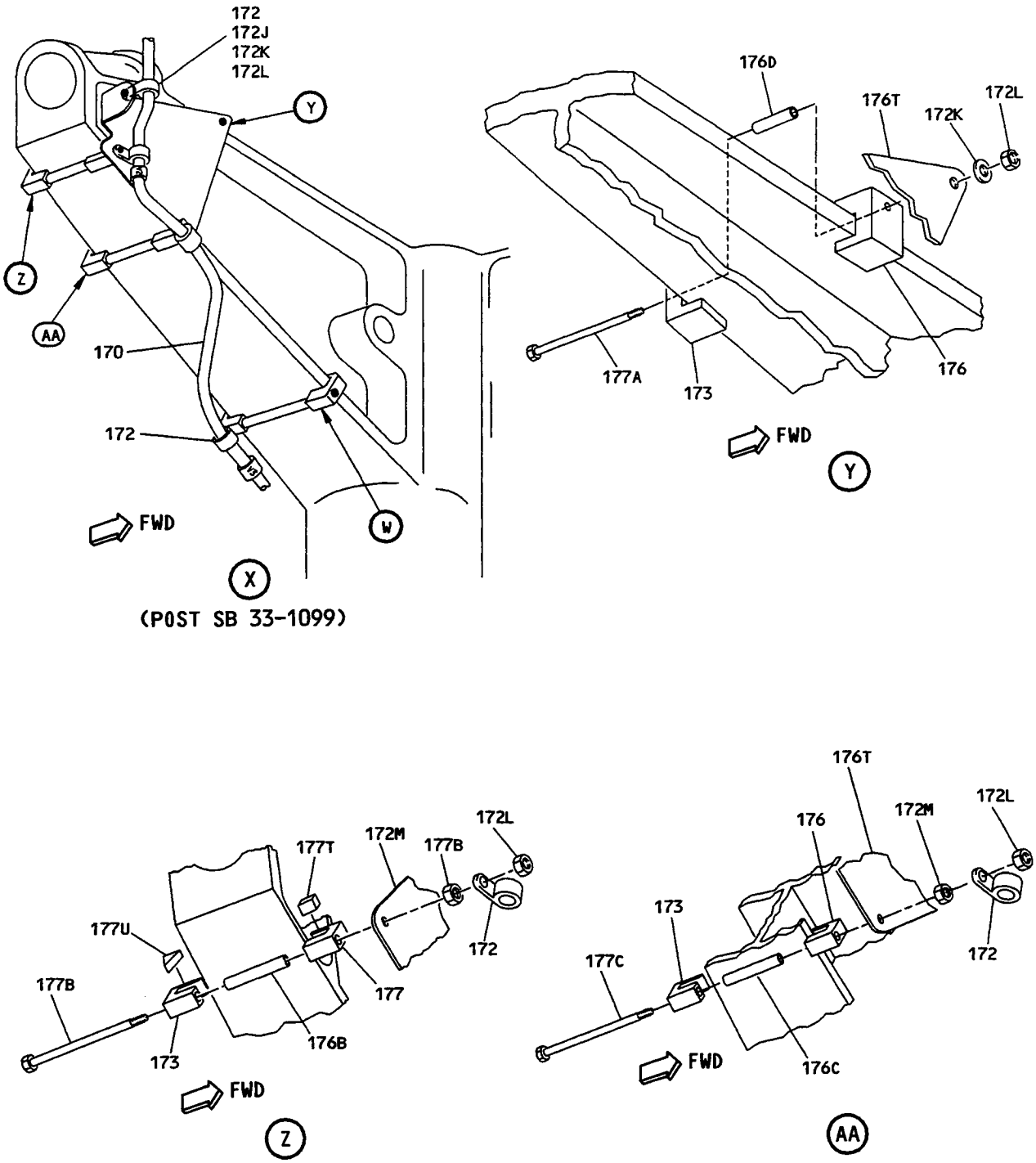
65-49726-10,-11,-12,-15,-16 AND
INSTLS POST SB 33-1037, PRE SB 1099
(V)



65-49726-10,-11,-12 AND
INSTLS POST SB 33-1037,
PRE SB 33-1099
(W)

Nose Gear Buildup
Figure 1101 (Sheet 12)

F09447



Nose Gear Buildup
Figure 1101 (Sheet 13)

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-			NOSE GEAR BUILDUP *[7]		
1	65-73762-4		. NOSE GEAR ASSY (REF 32-26-01)		1
1	65-73762-5		. NOSE GEAR ASSY (REF 32-26-01)		1
1	65-73762-7		. NOSE GEAR ASSY (REF 32-26-01)		1
1	65-73762-9		. NOSE GEAR ASSY (REF 32-26-01) (SB 32-1038)		1
1	65-73762-18		. NOSE GEAR ASSY (REF 32-26-01)		1
2	65-58256-7		. NOSE WHEEL INSTL		1
2	65-58256-76		. NOSE WHEEL INSTL		1
2	65-58256-81		. NOSE WHEEL INSTL		1
2	65-58256-83		. NOSE WHEEL INSTL		1
2	65-58256-85		. NOSE WHEEL INSTL (SB 32-1038)		1
2	65-58256-96		. NOSE WHEEL INSTL		1
2	65-58256-104		. NOSE WHEEL INSTL		1
2	65-58256-113		DELETED		
2	65-58256-127		. NOSE WHEEL INSTL (SB 32-1079)		1
2	65-58256-134		. NOSE WHEEL INSTL		1
4	MS24678-9		. . SCREW		4
5	69-39154-1		. . NUT, WHEEL RETAINER (PRE SB 32-1191)		2
5	69-39154-2		. . NUT, WHEEL RETAINER (PREF)		2
5	69-77849-1		. . NUT, WHEEL RETAINER (POST SB 32-1191) (1/16 UNDERSIZE)(REPAIR PART)		2
5	69-77849-2		. . NUT, WHEEL RETAINER (POST SB 32-1191)(1/16 UNDERSIZE) (REPAIR PART)(PREF)		2
6	69-39155-1		. . WASHER, WHEEL BEARING		2
6	69-39155-2		. . WASHER, WHEEL BEARING (POST SB 32-1191)(PREF)		2
7	65-58256-82		. . WHEEL AND TIRE ASSY (USED ON 65-58256-7)(PRE SB 32-1153, 32-1247)		2
7	65-58256-51		. . WHEEL AND TIRE ASSY (OPT TO 65-58256-82)(USED ON 65-58256-7)(PRE SB 32-1153, 32-1247)		2
7	65-58256-52		. . WHEEL AND TIRE ASSY (USED ON 65-58256-76,-85)(SB 32-1038)		2
7	65-58256-53		. . WHEEL AND TIRE ASSY (OPT)(USED ON 65-58256-81)		2
7	65-58256-84		. . WHEEL AND TIRE ASSY (OPT)(USED ON 65-58256-83)		2
7	65-58256-95		. . WHEEL AND TIRE ASSY (USED ON 65-58256-96)(OPT)		2
7	65-58256-105		. . WHEEL AND TIRE ASSY (USED ON 65-58256-104)		2

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-7	65-58256-114		. . WHEEL AND TIRE ASSY (USED ON 65-58256-76) (OPT) (PRE SB 32-1144) (POST SB 32-1153, 32-1233, 32-1237, 32-1247, 32-1268, 32-1276, 32-1280, 32-1283, 32-1284)		2
7	65-58256-117		. . WHEEL AND TIRE ASSY (USED ON 65-58256-76) (OPT) (PRE SB 32-1268, 32-1276, 32-1280)		2
7	65-58256-119		. . WHEEL AND TIRE ASSY (USED ON 65-58256-96) (OPT)		2
7	65-58256-121		. . WHEEL AND TIRE ASSY (POST SB 32-1144) (PRE SB 32-1237)		2
7	65-58256-121		. . WHEEL AND TIRE ASSY (USED ON 65-58256-127)		2
7	65-58256-133		. . WHEEL AND TIRE ASSY (USED ON 65-58256-134)		2
7	65-58256-160		. . WHEEL AND TIRE ASSY (USED ON 65-58256-76) (OPT)		2
7	65-58256-184		. . WHEEL AND TIRE ASSY (USED ON 65-58256-76) (OPT)		2
8	65-58256-60		. . . TIRE, 24 X 7.7; 14PR; 200 MPH; TYPE VII (USED ON 65-58256-82, -51) (PRE SB 32-1233, 32-1247)		1
8	65-58256-61		. . . TIRE, 24 X 7.7; 14PR; 225 MPH; TYPE VII (USED ON 65-58256-52)		1
8	65-58256-62		. . . TIRE, 24 X 7.7; 16PR; 200 MPH; TYPE VII (USED ON 65-58256-52, -117) SB 32-1038) (PRE SB 32-1226, 32-1268)		1
8	65-58256-93		. . . TIRE, 24 X 7.7; 16PR; 225 MPH; TYPE VII (USED ON 65-58256-119)		1
8	65-58256-115		. . . TIRE, 24 X 7.7-10, 16PR; 210 MPH (USED ON 65-58256-114, -117, -133) (POST SB 32-1226, 32-1233, 32-1247, 32-1268)		1
8	69-63366-1		. . . TIRE, C24.5 X 8.5-12; 10PR; 210 MPH (USED ON 65-58256-105, -121) (00534 OPT)		1
8	00534		. . . TIRE, C24.5 X 8.5-12; 12PR; 210 MPH; V22337 (USED ON 65-58256-105, -121) (OPT TO 69-63366-1)		1

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-					
8	65-58256-161		. . . TIRE, 24 X 7.7; 16PR; 200 OR 210 MPH (USED ON 65-58256-160)		1
8	65-58256-183		. . . TIRE, 24 X 7.7-10, 16PR; 210 MPH (USED ON 65-58256-184)		1
8			. . . TIRE, 24 X 7.7-10; 14PR; 200 MPH (PRE SB 32-1150)		1
8			. . . TIRE, 24 X 7.7-10; 16PR; 200 OR 210 MPH (PRE 3021, 3028, 3040)		1
8			. . . TIRE, 24 X 7.7-10, 16PR; 200 MPH (POST SB 32-1150)		1
8			. . . TIRE, 24 X 7.7-10, 16PR; 210 MPH (POST 3021, 3038, 3040)		1
9	2601045-1		. . . WHEEL, V55284 (BOEING 10-61063-4) (USED ON 65- 58256-51,-53) (PRE SB 32-1153, 32-1233)		1
9	2601045-2		. . . WHEEL, V55284 (BOEING 10-61063-11)(USED ON 65-58256-52,-82,-84,-95,-114, -117,-119,-133,-160,-184) (POST SB 32-1233,32-1247)		1
9	2604589-1		. . . WHEEL, V55284 (BOEING 10-61063-17)(USED ON 65-58256-105,-121)		1
10	MS24665-298		. . PIN, COTTER *[6]		6
11	69-39153-1		. . SPACER*[6]		2
12	BACN10JC12C		. NUT (USED WITH BACB30NF12-26) (POST SB 33-1010) *[1]		2
12	BACN10JC12CD		. NUT (USED WITH BACB30NR12K22, BACB30NR12K26		2
12	BACN10JC12		. NUT (REPLS NAS1022C12)(USED WITH BACB30NF12-22,-24,27) *[1]		2
12	BACN10GW8		. NUT (REPLS NAS1021A8)(USED WITH 69-42181-,-2)(PRE SB 33-1010) *[1]		2
13	AN960C1216		. WASHER (USED WITH BACB30NR12K22, BACB30NR12K26)		2
13	AN960-1216		. WASHER (USED WITH BACB30NF12-22, -24,-26,-27)(POST SB 33-1010) *[1]		2
13	AN960-816L		. WASHER (USED WITH 69-42181--1,-2) (PRE SB 33-1010) *[1]		2
14	69-42181-1		. BOLT (USED WITHOUT TAXI LIGHT) (OPT) *[1]		2
14	69-42181-2		. BOLT		2

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-14	BACB30NE12-22		. BOLT (REPLS AN12-22A)(USED WITHOUT TAXI LIGHT)(OPT) *[1]		2
14	BACB30NR12K22		. BOLT (USED WITH 69-41278-3)		2
14	BACB30NF12-24		. BOLT		2
14	BACB30NF12-26		. BOLT		2
14	BACB30NR12K26		. BOLT (USED WITH 69-41278-3)		2
14	BACB30NF12-27		. BOLT		2
15	69-41278-2		. FITTING, TOW (REPLS 69-41278-1) (POST SB 33-1041)		1
15	69-41278-1		. FITTING, TOW (REPLD BY 69-41278-2) (PRE SB 33-1041)		1
15	69-41278-3		. FITTING, TOW		1
15	69-41278-4		. FITTING, TOW (OPT TO 69-41278-3)		1
15	65C36787-2		. FITTING, TOW (REPAIR PART)		1
16	69-58327-1		. SHIM, LAMINATED		2
17	BACB30US6K23		. BOLT (USED WITH 65C36787-2)		3
17A	BACW10BP6CD		. WASHER (USED WITH 65C36787-2)		3
17B	BACW10BP6DP		. WASHER (USED WITH 65C36787-2)		3
17C	BACN10HR6CD		. NUT (USED WITH 65C36787-2)		3
18	65-46315-1		. MECHANISM INSTL (LIMITED)		1
18	65-46315-2		. MECHANISM INSTL (LIMITED)		1
18	65-46315-3		. MECHANISM INSTL (LIMITED)		1
18	65-46315-4		. MECHANISM INSTL (LIMITED)		1
18	65-46315-5		. MECHANISM INSTL (LIMITED)		1
19	MS24665-153		. . PIN, COTTER		1
20	BACN10JD103		. . NUT (REPLS AN320-3)		1
21	AN960PD10		. . WASHER		1
22	69-38260-2		. . BOLT ASSY		1
23	BACB30NE3D25		. . . BOLT (REPLS NAS1303-25D)		1
24	NAS75-3-024		. . . BUSHING		1
25	MS24665-153		. . PIN, COTTER (USED ON 65-46315-1)		1
26	BACN10JD103		. . NUT (REPLS AN320-3) (USED ON 65-46315-1)		1
26	BACN10JC3		. . NUT (USED ON 65-46315-3, -5)		1
27	AN960-10L		. . WASHER		1
28	NAS1103-10D		. . BOLT (USED ON 65-46315-1)		1
28	BACB30NF3-10		. . BOLT (USED ON 65-46315-3, -5)		1
29	69-38248-1		. . LINK ASSY		1
29	69-38248-2		. . LINK ASSY (OPT) (USED ON 65-46315-5)		1
30	69-38249-1		. . . COUPLING		1
31	NAS509-5		. . . NUT		1
32	NAS509-4		. . . NUT		1
33	NAS559-1		. . . LOCK		2

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-34	REP3MS4-6FS428		. . . ROD END (V21335) (REPLS REP3MS4-6E9171) (USED ON 69-38248-1)		1
34	REP3MS4-6FS428		. . . ROD END (V21335) (OPT) (USED ON 69-38248-2)		1
34	REP3MS4-6E9171		. . . ROD END (V21335) (REPLD BY REP3MS4-6FS428) (USED ON 69-38248-1)		1
34	ABR3M-5013WGP		. . . ROD END (V83086) (USED ON 69-38248-2)		1
35	RA3M5-3E6531		. . . ROD END (V21335) (REPLD BY RA3M5-3FS428) (USED ON 69-38248-1)		1
35	RA3M5-3FS428		. . . ROD END (V21335) (REPLS RA3M5-3E6531) (USED ON 69-38248-1)		1
35	ABR3M-5014WGP		. . . ROD END (V83086) (USED ON 69-38248-2)		1
35	69-77297-1		. . . ROD END (OPT) (USED ON 69-38248-2)		1
35	69-77297-2		. . . ROD END (OPT) (USED ON 69-38248-2)		1
36	MS24665-153		. . PIN, COTTER (USED ON 65-46315-3)		1
37	BACN10JD104		. . NUT (REPLS AN320-4) (USED ON 65-46153-1,-2,-4,-5)		1
37	BACN10JC4		. . NUT (USED ON 65-46153-3)		1
38	AN960PD416		. . WASHER		1
39	69-38260-3		. . BOLT ASSY (USED ON 65-46315-1, -2,-4)(PRE SB 32-1100)		1
39	69-38260-3		. . BOLT ASSY (POST SB 32-1141) (USED ON 65-46315-1 THRU -4)		1
39	69-38260-3		. . BOLT ASSY (USED ON 69-46315-5)		1
39	69-38260-6		. . BOLT ASSY (USED ON 65-46315-3) (PRE SB 32-1141)		1
39	69-38260-6		. . BOLT ASSY (USED ON 65-46315-1, -2,-4) (POST SB 32-1100) (PRE SB 32-1141)		1
40	BACB30NE4D54		. . . BOLT (REPLS NAS1304-54D) (USED ON 69-38260-3)		1
40	NAS1304-54D		. . . BOLT (REPLD BY BACB30NE4D54) (USED ON 69-38260-3)		1
40	NAS6604-56		. . . BOLT (USED ON 69-38260-6)		1
41	NAS75-4-008		. . . BUSHING		1
42	AN960PD416		. . WASHER		1

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-					
43	NAS42DD8-155		. . SPACER		1
44	65-46393-1		. . CRANK ASSY (OPT) (USED ON 65-46315-1) (PRE SB 32-1100)		1
44	65-46393-1		. . CRANK ASSY (USED ON 65-46315-1) (POST SB 32-1141)		1
44	65-46393-1		. . CRANK ASSY (USED ON 65-46315-5)		1
44	65-46393-4		. . CRANK ASSY (USED ON 65-46315-1) (OPT) (PRE SB 32-1100)		1
44	65-46393-4		. . CRANK ASSY (OPT) (USED ON 65-46315-5)		1
44	65-46393-6		. . CRANK ASSY (USED ON 65-46315-2,-4)		1
44	65C22605-1		. . CRANK ASSY (USED ON 65-46315-3)		1
44	65C22605-1		. . CRANK ASSY (USED ON 65-46315-1) (POST SB 32-1100) (PRE SB 32-1141)		1
45	65-46393-2		. . . CRANK (USED ON 65-46393-1,-6)		1
45	65-46393-5		. . . CRANK (USED ON 65-46393-4)		1
45	65C22605-2		. . . CRANK (USED ON 65C22605-1)		1
46	BACB10BX4		. . . BEARING (REPLS BACB10A661) (USED ON 65-46393-1, -4, -6)		3
46	BACB10BX4		. . . BEARING (USED ON 65C22605-1)		3
46	BACB10A661		. . . BEARING (REPLD BY BACB10BX4) (USED ON 65-46393-1, -4, -6)		3
46A	MS51923-146		. . . PIN, SPRING (USED ON 65-46393-4)		1
46B	69-71553-1		. . . TUBE, GUIDE (USED ON 65-46393-4)		1
47	MS24665-153		. . PIN, COTTER (USED ON 65-46315-1, -2, -4, -5)		2
48	BACN10JD104		. . NUT (REPLS AN320-4) (USED ON 65-46315-1, -2, -4, -5)		2
48	BACN10JC4		. . NUT (USED ON 65-46315-3)		2
49	AN960PD416L		. . WASHER		2
50	BACW10P71S		. . WASHER		2
51	BACB30NE4D10		. . BOLT (REPLS NAS1304-10D)		2
51	NAS6604-10		. . BOLT (USED ON 65-46315-3)		2
52	MS24665-153		. . PIN, COTTER (USED ON 65-46315-1, -2, -4, -5)		2
53	BACN10JD104		. . NUT (REPLS AN320-4) (USED ON 65-46315-1, -2, -4, -5)		2
53	BACN10JC4		. . NUT (USED ON 65-46315-3)		2
54	AN960-416		. . WASHER		2
55	BACW10P71S		. . WASHER		2
56	BACB10BX4		. . BEARING (REPLS BACB10A661)		2
57	MS24665-153		. . PIN, COTTER (USED ON 65-46315-1, -2, -4, -5)		2
58	BACN10JD104		. . NUT (REPLS AN320-4) (USED ON 65-46315-1, -2, -4, -5)		2
58	BACN10JC4		. . NUT (USED ON 65-46315-3)		2

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-					
59	AN970-4		. . WASHER (REPLS BACW10CP4)		2
60	BACP30F4		. . PULLEY (REPLS MS20219-4)		2
61	NAS1104-13D		. . BOLT		1
61	BACB30NF4-13		. . BOLT (USED ON 65-46315-3)		1
62	65-52859-3		. . TRUNNION		2
62	65-52859-1		DELETED		
63	AN960PD416L		. . WASHER		1
64	NAS1104-14D		. . BOLT (USED ON 65-46315-1, -2, -4, -5)		1
64	BACB30NF4-13		. . BOLT (USED ON 65-46315-3)		1
65	BACN10JC4		. . NUT (REPLS NAS679A4W) (USED ON 65-46315-1, -2, -4, -5)		1
65	BACN10JC4		. . NUT (USED ON 65-46315-3)		1
66	AN960PD416L		. . WASHER		1
67	NAS1104-4		. . BOLT (USED ON 65-46315-1, -2, -4, -5)		1
67	BACB30NF4-4		. . BOLT (USED ON 65-46315-3)		1
68	BACN10JC4		. . NUT (REPLS NAS679A4W) (USED ON 65-46315-1, -2, -4, -5)		2
68	BACN10JC4		. . NUT (USED ON 65-46315-3)		2
68	BACN10JC4CD		. . NUT (POST SB 32-1289)		2
69	AN960PD416L		. . WASHER		2
69	NAS1149D0416J		. . WASHER (POST SB 32-1289)		2
70	NAS1104-6		. . BOLT (USED ON 65-46315-1, -2, -4, -5) (PRE SB 32-1289)		2
70	BACB30NF4-6		. . BOLT (USED ON 65-46315-3) (PRE SB 32-1289)		2
70	BACB30NF4-8		. . BOLT (POST SB 32-1289)		2
70J	BACB30NF4-5		. . BOLT (POST SB 32-1289)		1
70K	BACW10P14CC		. . WASHER (POST SB 32-1289)		1
71	65-52862-1		. . BRACKET (USED ON 65-46315-1,-2,-4) (PRE SB 32-1100)		1
71	65-52862-1		. . BRACKET (USED ON 65-46315-1, THRU -4) (POST SB 32-1141)		1
71	65-52862-1		. . BRACKET (USED ON 65-46315-5)		1
71	65C22148-1		. . BRACKET ASSY (USED ON 65-46315-1, -2, -4) (POST SB 32-1100) (PRE SB 32-1141)		1
71	65C22148-1		. . BRACKET ASSY (USED ON 65-46315-3) (PRE SB 32-1141)		1
71A	69-72089-1		. . . ARM (USED ON 65C22148-1)		1
71B	BACB30DX5A4		. . . LOCKBOLT (USED ON 65C22148-1)		3
71C	NAS1080R5		. . . COLLAR (USED ON 65C22148-1)		3
71D	65C22148-2		. . . BRACKET (USED ON 65C22148-1)		1
71J	65-44003-1		. . FITTING ASSY-COVER MOUNTING (POST SB 32-1289)		1
71K	65-44003-2		. . . FITTING		1
71L	BACN10JN4CD		. . . NUTPLATE		1
71M	BACR15CE3AD		. . . RIVET		2

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-					
72	BACN10JC3		. . NUT (REPLS NAS679A3W) (USED ON 65-46315-1, -2, -4, -5)		4
72	BACN10JC3		. . NUT (USED ON 65-46315-3)		4
73	MS24665-153		. . PIN, COTTER (USED ON 65-46315-1, -2, -4, -5)		2
74	BACN10JD104		. . NUT (REPLS AN320-4) (USED ON 65-46315-1, -2, -4, -5)		1
74	BACN10JC4		. . NUT (USED ON 65-46315-3)		1
74A	BACN10JD4		. . NUT (USED ON 65-46315-1, -2, -4, -5)		1
74A	BACN10JC4		. . NUT (USED ON 65-46315-3)		1
75	AN960PD10		. . WASHER		4
76	AN960PD416		. . WASHER		2
77	69-40763-1		. . RETAINER		2
78	MS20219-4		. . PULLEY (LIMITED)(USED ON 65-46315-1)		2
78	BACP30J4		. . PULLEY		2
79	NAS42DD6-28		. . SPACER		2
80	NAS42DD6-53		. . SPACER		2
81	NAS43DD4-11		DELETED		
82	NAS1103-15		. . BOLT (USED ON 65-46315-1, -2, -4, -5)		2
82	BACB30NF3-15		. . BOLT (USED ON 65-46315-3)		2
83	NAS1104-15D		. . BOLT (USED ON 65-46315-1, -2, -4, -5)		1
83	BACB30NF4-15		. . BOLT (USED ON 65-46315-3)		1
84	BACB30NE3-22		. . BOLT (USED ON 65-46315-1, -2, -4, -5)		2
84	BACB30NF3-22		. . BOLT (USED ON 65-46315-3)		2
85	BACB30NF4D22		. . BOLT (USED ON 65-46315-1, -2, -4, -5)		1
85	BACB30NF4-22		. . BOLT (USED ON 65-46315-3)		1
86	BACN10JC3		. . NUT (REPLS NAS679A3W)		4
87	AN960-10L		. . WASHER		4
87A	BACW10P63S		. . WASHER		8
88	69-38258-1		. . GUARD ASSY (LIMITED) (USED ON 65-46315-1)		2
88	69-38258-3		. . GUARD ASSY		2
89	69-38256-2		. . . GUARD (USED ON 69-38258-1)		1
89	69-38258-4		. . . GUARD (USED ON 69-38258-4)		1
90	BACB30LU3-26		. . . BOLT (REPLS BACB30ABP3-26A)		2
91	65-46399-1		. PISTON POSITION INSTL (LIMITED)		1
91	65-46399-2		. PISTON POSITION INSTL (LIMITED)		1
91	65-46399-4		. PISTON POSITION INSTL (LIMITED)		1
91A	NAS509-18		. . NUT (USED ON 65-46399-4)		1
91B	66-24147-1		. . WASHER (USED ON 65-46399-4)		1
92	BACN10JC4		. . NUT		1
93	AN960PD416		. . WASHER		2
94	BACB30NE4H11		. . BOLT		1
95	65-54217-1		. . MOUNT, PULLEY (USED ON 65-46399-1, -2)		1

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-95	65-54217-3		. . MOUNT, PULLEY (USED ON 65-46399-4) (LIMITED)		1
95	65-54217-4		. . MOUNT, PULLEY (USED ON 65-46399-4) (LIMITED)		1
96	BACN10JC4		. . NUT		2
97	AN960PD416		. . WASHER		2
98	BACP30F4		. . PULLEY (USED ON 65-46399-1)		2
98	BACP30F4		. . PULLEY (USED ON 65-46399-2) (LIMITED)		2
98	BACP30J4		. . PULLEY (USED ON 65-46399-2) (LIMITED)		2
98	BACP30J4		. . PULLEY (USED ON 65-46399-4)		2
99	BACW10P14C		. . WASHER		2
100	BACB30NF4-23		. . BOLT		1
101	BACB30NF4-27		. . BOLT		1
102	65-54231-1		. . GUARD		1
103	MS24665-153		. . PIN, COTTER		1
104	BACN10JD104		. . NUT		1
105	AN960PD416		. . WASHER		1
106	69-37196-1		. . BRACKET		1
107	BACB30NF4D22		. . BOLT		1
108	MS24665-153		. . PIN, COTTER		1
109	BACN10JD104		. . NUT		1
110	AN960PD416L		. . WASHER		1
111	AN960PD416		. . WASHER		1
112	BACB30NF4D16		. . BOLT		1
113	65-80930-1		. . CARTRIDGE ASSY, SPRING (OHM 32-22-32)		1
113	65-54220-1		. . CARTRIDGE ASSY, SPRING (USED ON 65-46399-1, -2) (OPT) (OHM 32-22-31)		1
113	65-54220-3		. . CARTRIDGE ASSY, SPRING (USED ON 65-46399-2) (OPT) (OHM 32-22-31)		1
114	BACN10JC6		. . NUT		2
115	AN960PD616		. . WASHER		4
116	BACB30NF6-18		. . BOLT		2
117	BACS40B24-24		. . SHIM		2
118	BACN10JC4		. . NUT		2
119	AN960PD416		. . WASHER		1
120	AN960PD416L		. . WASHER.		1
121	BACP30F4		. . PULLEY (LIMITED) (USED ON 65-46399-1)		2
121	BACP30F4		. . PULLEY (USED ON 65-46399-2)(LIMITED)		2
121	BACP30J4		. . PULLEY (USED ON 65-46399-2)(LIMITED)		2
121	BACP30J4		. . PULLEY (USED ON 65-46399-4)		2
122	BACW10P14C		. . WASHER		1
123	BACB30NF4-11		. . BOLT		1

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-					
124	BACB30NF4-12		. . BOLT		1
126	MS24665-153		. . PIN, COTTER (USED ON 65-46399-1)		1
127	BACN10JD5		. . NUT (USED ON 65-46399-1)		1
127A	BACC30M5		. . COLLAR (USED ON 65-46399-2)		1
127B	BACB30FM5-12		. . BOLT (USED ON 65-46399-2, -4)		1
128	AN960C516		. . WASHER (USED ON 65-46399-1)		1
128A	AN960PD816L		. . WASHER (USED ON 65-46399-2, -4)		AR
128B	69-40962-1		. . SPACER (USED ON 65-46399-2, -4)		1
129	69-38256-1		. . CRANK (USED ON 65-46399-1) (PRE SB 32-1033)		1
129	69-38256-2		. . CRANK (USED ON 65-46399-1) (POST SB 32-1033)		1
129	69-38256-2		. . CRANK (USED ON 65-46399-2, -4)		1
130	NAS1057T8-040		. . SPACER (USED ON 65-46399-1)		1
131	BACB10BX8		. . BEARING (REPLS BACB10A544)		1
132	NAS1057T8-080		. . SPACER		1
133	65-46396-1		. . FITTING ASSY (USED ON 65-46399-1		1
133	65-46396-3		. . FITTING ASSY (USED ON 65-46399-2 (OPT)		1
133	65-46396-3		. . FITTING ASSY (SB 32-1049)		1
133	65-46396-5		. . FITTING ASSY (USED ON 65-46399-2		1
133	65-46396-7		. . FITTING ASSY (USED ON 65-46399-4		1
134	65-46396-2		. . . FITTING (USED ON 65-46396-1)		1
134	65-46396-4		. . . FITTING (USED ON 65-46396-3)		1
134	65-46396-6		. . . FITTING (USED ON 65-46396-5)		1
134	65-46396-8		. . . FITTING (USED ON 65-46396-7)		1
135	BACB10BX8		. . . BEARING (REPLS BACB10A544)		1
136	69-41782-1		. . . BUSHING		1
137	BACN10JC4		. . NUT		1
138	AN960PD416		. . WASHER		1
139	BACB30NF4-24		. . BOLT		1
140	69-38257-1		. . SHAFT (USED ON 65-46399-1) (PRE SB 32-1033)		1
140	69-38257-2		. . SHAFT (USED ON 65-46399-1) (POST SB 32-1033)		1
140	69-38257-2		. . SHAFT (USED ON 65-46399-2, -4)		1
141	65-46394-4		. . QUADRANT ASSY (USED ON 65-46399-1) (OPT)		1
141	65-46394-5		. . QUADRANT ASSY (LIMITED)		1
141	65-46394-7		. . QUADRANT ASSY (LIMITED)		1
142	BACN10JC04		. . . NUT (REPLS NAS679AO4W)		2
143	NAS42DD4-13		. . . SPACER		2
144	BACS12BF04B7		. . . SCREW (OPT) (USED ON 65-46394-4, -5)		2

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-					
144	BACS12BP04BF8		. . . SCREW (OPT) (USED ON 65-46394-4,-5)		2
144	BACS12ER04K8		. . . SCREW (USED ON 65-46394-7)		2
144	NAS514P4440-7P		. . . BOLT (OPT) (USED ON 65-46394-4,-5)		2
144	NAS514P440-8P		. . . BOLT (OPT)		2
145	65-46394-2		. . . QUADRANT (USED ON 65-46394-4,-5)		1
145	65-46394-6		. . . QUADRANT (USED ON 65-46394-7)		1
146	BACN10JC3		. . NUT		4
147	NAS42DD6-32		. . SPACER		4
148	AN960PD10		. . WASHER		4
149	NAS623-3-12		. . SCREW		4
150	MS51923-398		. PIN, SPRING		4
151	69-41262-1		. LOCK PIN		4
152	69-35398-1		. PIN, LH (USED WITH 65-73762-4)		1
152	69-35398-2		. PIN, LH (USED WITH 65-73762-5,-7,-18)		1
152	65C34776-1		. PIN, LH (PREF)(USED WITH 65-73762-4,-5,-7, -18)		1
153	69-41248-1		. PIN, RH (USED WITH 65-73762-4)		1
153	69-41248-2		. PIN, RH (USED WITH 65-73762-5,-7,-18)		1
153	69-41248-3		. PIN, RH (USED WITH 65-73762-5,-7,-18) (OPT)		1
154	MS24678-9		. SCREW		1
155	69-41252-1		. LOCK		1
156	69-41251-1		. NUT		1
157	65-44567-1		. HYDRAULIC INSTL (PRE SB 32-1396) (PRE SB 32-1400)		1
157	65-44567-4		. HYDRAULIC INSTL (FIG. 1102) (POST SB 32-1396) (POST SB 32-1400)		1
157	65-44567-8		. HYDRAULIC INSTL (FIG. 1102)		1
157	65-44567-9		. HYDRAULIC INSTL		1
157	65-44567-10		. HYDRAULIC INSTL (FIG. 1102)		1
157	65-44567-11		. HYDRAULIC INSTL (FIG. 1102)		1
157	65-44567-12		. HYDRAULIC INSTL (FIG. 1102)		1
157	65-44567-13		. HYDRAULIC INSTL		1
157A	65-44567-5001		. . HYDRAULIC INSTL (OPT) (USED ON 65-44567-1)		1
157A	65-44567-5002		. . HYDRAULIC INSTL (OPT) (USED ON 65-44567-1)		1
158	65-44567-2		. . . TUBE ASSY (USED ON 65-44567-5001)		1
158	65-44567-1002		. . . TUBE ASSY (USED ON 65-44567-13, -5002) (PRE SB 32-1100)		1
158	65-44567-3002		. . . TUBE ASSY (USED ON 65-44567-9) (PRE SB 32-1100)		1
158A	65-44567-3018		. . . TUBE ASSY (POST SB 32-1100)		1
158B	65-44567-3017		. . . TUBE ASSY (POST SB 32-1100)		1

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-159	65-44567-3		. . . TUBE ASSY (USED ON 65-44567-5001)		1
159	65-44567-1003		. . . TUBE ASSY (USED ON 65-44567-13, -5002)(PRE SB 32-1100)		1
159	65-44567-3003		. . . TUBE ASSY (USED ON 65-44567-9) (PRE SB 32-1100)		1
159A	65-44567-3015		. . . TUBE ASSY (POST SB 32-1100)		1
159B	65-44567-3016		. . . TUBE ASSY (POST SB 32-1100)		1
160	65-44970-1		. . . SWIVEL INSTL		1
161	MS51923-329		. . . . PIN		1
162	BACN10JC3		. . . . NUT (REPLS NAS679A3W)		2
163	NAS603-8P		. . . . SCREW (REPLS NAS603-8)		2
164	66-22723-1		. . . . CLAMP ASSY (BONDED)		2
165	69-35572-1		. . . . BRACKET ASSY		1
166	69-35572-3		. . . . . BRACKET		1
167	69-35572-2		. . . . . INSERT		2
168	AE96156G		. . . . SWIVEL ASSY, V00624		2
168	AE91748G		. . . . SWIVEL ASSY, V00624 (OPT)		2
168A	65C26885-1		. . . VALVE INSTL, STEERING DEPRESSURIZATION (POST SB 32-1100)(FIG. 1104)		1
168A	65C26885-1		. . . VALVE INSTL, STEERING DEPRESSURIZATION (USED ON 65-44567-5002)(FIG. 1104)		1
168A	65C26885-2		. . . VALVE INSTL, STEERING DEPRESSURIZATION (USED ON 65-44567-4, -8, -10, -11, -12) (FIG. 1104)		1
168A	65C26885-4		. . . VALVE BACKOUT (USED ON 65-44567-13) (FIG. 1104)		1
169	65-49726-1		. HARNESS INSTL, TAXI LIGHT		1
169	65-49726-3		. HARNESS INSTL, TAXI LIGHT		1
169	65-49726-4		. HARNESS INSTL, TAXI LIGHT		1
169	65-49726-5		. HARNESS INSTL, TAXI LIGHT		1
169	65-49726-10		. HARNESS INSTL, TAXI LIGHT		1
169	65-49726-11		. HARNESS INSTL, TAXI LIGHT		1
169	65-49726-12		. HARNESS INSTL, TAXI LIGHT		1
169	65-49726-15		. HARNESS INSTL, TAXI LIGHT		1
169	65-49726-16		. HARNESS INSTL, TAXI LIGHT		1
170	65-49767-1		. . HARNESS ASSY *[8] (PRE SB 33-1037, 33-1099)		1
170	65-49767-6		. . HARNESS ASSY *[8] (POST SB 33-1037,33-1099)		1
170	65-49767-6		. . HARNESS ASSY, *[9] (PRE SB 33-1099)		1

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-170	65-49767-14		. . HARNESS ASSY (USED ON 65-49726-16) (PRE SB 33-1099)		1
170	65-49767-14		. . HARNESS ASSY (USED ON 65-49726-15)(LIMITED)(PRE SB 33-1099)		1
170	65-49767-24		. . HARNESS ASSY (USED ON 65-49726-15)(LIMITED)(PRE SB 33-1099)		1
170	65-49767-43		. . HARNESS ASSY (POST SB 33-1099)		1
171	BACN10JC3		. . NUT (REPLS NAS679A3W)		AR
172	BACC10DK8		. . CLAMP (POST SB 32-1010) *[2]		AR
172	BACC10GE7		. . CLAMP		AR
172	TA025149		. . CLAMP (POST SB 33-1099)		12
172A	BACC10GE8		. . CLAMP *[4]		2
172B	BACS12CB3-7		. . SCREW *[4]		2
172J	NAS1801-3-9		. . SCREW (POST SB 33-1099)		1
172K	NAS1149D0363J		. . WASHER (POST SB 33-1099)		5
172L	MS21042L3		. . NUT (POST SB 33-1099)		6
172M	MS33650-302		. . NUT (POST SB 33-1099)		2
173	69-37182-6		. . CLAMP, BRACKET		2
173	69-37182-6		. . CLAMP, BRACKET (POST SB 33-1099)		4
174	BACS12CB3-60		. . SCREW		1
174	NAS1801-3-60		. . SCREW *[9]		1
174A	BACB30NE3-60		. . BOLT *[10]		1
175	69-37182-7		. . CLAMP, BRACKET *[8] (PRE SB 33-1037)		1
175	69-37182-7		. . CLAMP, BRACKET *[8] (POST SB 33-1037)		2
175	69-37182-7		. . CLAMP, BRACKET *[9]		1
175	69-37182-15		. . CLAMP, BRACKET *[10]		1
176	69-37182-8		. . CLAMP, BRACKET *[8] (PRE SB 33-1037)		1
176	69-37182-8		. . CLAMP, BRACKET *[8] (POST SB 33-1037)		2
176	69-37182-8		. . CLAMP, BRACKET *[9]		1
176A	NAS43DD4-182		. . SPACER *[8]*[9]		1
176A	NAS43DD3-132		. . SPACER *[10]		1
176B	NAS43DD3-104FC		. . SPACER (POST SB 33-1099)		1
176C	NAS43DD3-120FC		. . SPACER (POST SB 33-1099)		1
176D	NAS43DD3-140FC		. . SPACER (POST SB 33-1099)		1
176T	69-78720-3		. . BRACKET (POST SB 33-1099)		1
177	BACS12CB3-84		. . SCREW *[8]*[9]		1
177	NAS6603-78		. . BOLT *[10]		1

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-177A	NAS1801-3-74		. . SCREW (POST SB 33-1099)		1
177B	NAS1801-3-76		. . SCREW (POST SB 33-1099)		1
177C	NAS1801-3-80		. . SCREW (POST SB 33-1099)		1
177T	BACF3F010N-010NN		. . FILLER A (POST SB 33-1099)		1
177U	BACF3T02F5-10		. . FILLER B (POST SB 33-1099)		1
178	BACS12CB3-8		. . SCREW		2
178A	BACS12CB3-8		. . SCREW (POST SB 32-1010)*[3]		1
179	69-37182-4		. . CLAMP, BRACKET *[2]		1
179	69-37182-13		. . CLAMP, BRACKET *[3]		1
179	69-37182-13		. . CLAMP, BRACKET (OPT TO 69-37182--4) *[2]		1
180	69-37182-5		. . CLAMP, BRACKET *[2]		1
180	69-37182-14		. . CLAMP, BRACKET *[3]		1
180	69-37182-14		. . CLAMP, BRACKET (OPT TO 69-37182-5) *[2]		1
181	BACS12CB3-34		. . SCREW		1
181A	69-37182-4		. . CLAMP, BRACKET *[2]		1
181A	69-37182-13		. . CLAMP, BRACKET (OPT TO 69-37182-4) *[2]		1
181B	69-37182-5		. . CLAMP, BRACKET *[2]		1
181B	69-37182-14		. . CLAMP, BRACKET (OPT TO 69-37182-5) *[2]		1
181C	BACS12CB3-34		. . SCREW *[2		1
182	69-37182-2		. . CLAMP, BRACKET *[2		1
183	69-37182-3		. . CLAMP, BRACKET *[2]		1
183A	NAS43DD3-( )		. . SPACER *[2]		1
183B	NAS43DD3-( )		. . SPACER *[2]		1
184	BACS12CB3-40		. . SCREW (PRE SB 32-1010) *[2]		1
184A	69-37182-13		. . CLAMP, BRACKET *[3]		2
184A	69-37182-13		. . CLAMP, BRACKET *[4]		1
184B	69-37182-14		. . CLAMP, BRACKET *[3]		2
184B	69-37182-14		. . CLAMP, BRACKET *[4]		1
184C	NAS43DD3-( )		. . SPACER (ADDED BY SB 32-1010)*[3]		1
184C	NAS43DD3-36		. . SPACER *[3]		1
184D	BACS12CB3-34		. . SCREW *[3]		1
184E	69-37182-11		. . CLAMP, BRACKET (OPT TO 69-37182-2)		1
184F	69-37182-12		. . CLAMP, BRACKET (OPT TO 69-37182-3)		1
184G	NAS43DD3-( )		. . SPACER (POST SB 32-1010) *[3]		1
184G	NAS43DD3-36		. . SPACER *[3]		1
184H	NAS514P1032-36		. . BOLT (POST SB 32-1010) *[3]		1
184J	BACS12CB3-6		. . BOLT (POST SB 32-1010) *[3]		1

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-					
184K	69-37118-1		. . BRACKET (POST SB 32-1010) *[3]		1
184L	BACC10CH250-1		. . CLAMP (USED ON 65-49726-3,-4-10) (POST SB 32-1010)(REPLD BY BACC10GW250-1)		1
184L	BACC10GW250-1		. . CLAMP (USED ON 65-49726-3,-4-10) (REPLS BACC10CH250-1)		1
184M	BACN10JC3		. . NUT *[4]		1
184N	AN960PD10		. . WASHER *[4]		1
184O	NAS1103-30		. . BOLT *[4]		1
184P	69-54618-2		. . GUIDE, HOSE *[4]		1
184Q	69-54618-4		. . CLAMP *[4]		1
184R	AN960PD10		. . WASHER (USED ON 65-49726-5)		2
184S	65-49726-2		. . TAPE, 0.75 WIDE (SCOTCH X-1155) (SCOTCH 61 OPT), V76381		AR
184T	NAS43DD3-32		. . SPACER		1
185	65-55870-1		. . LIGHT INSTL, TAXI (PRE SB 33-1041)		1
185	65-55870-8		. . LIGHT INSTL, TAXI (PRE SB 33-1041)		1
185	65-55870-10		. . LIGHT INSTL, TAXI (PRE SB 33-1041)		1
-185	65-55870-12		. . LIGHT INSTL, TAXI (USED WITH 65-58256-127, ITEM 2)		1
185	65-55870-13		. . LIGHT INSTL, TAXI (PRE SB 33-1041)		1
185	65-55870-15		. . LIGHT INSTL, TAXI (POST SB 33-1041)		1
186	BACB30NF12-26		. . BOLT (OPT ON 65-55870-10, -13) (POST SB 33-1010)		2
186	69-42181-2		. . BOLT (OPT ON 65-55870-1,-8) (PRE SB 33-1010)		2
186	BACB30NE12-24		. . BOLT (REPLS AN12-24A) (OPT ON 65-55870-10,)		2
186	BACB30NF12-27		. . BOLT (OPT ON 65-55870-1,-8) (PRE SB 33-1010)		2
186	BACB30NE12-22		. . BOLT (REPL AN12-22A) (OPT ON 65-55870-13)		2
186	BACB30NF12-22		. . BOLT (OPT ON 65-55870-13)		2
186A	50-0095-1		DELETED		
186A	50-0117-1		. . LIGHT ASSY, V72914 (USED ON 65-55870-15)(PRE SB 33-1041) (OPT TO 50-0199-9)		1
186A	50-0128-1		. . LIGHT ASSY, V72914 (USED ON 65-55870-15)(POST SB 33-1041) (OPT TO 50-0199-9)		1
186A	50-0199-9		. . LIGHT ASSY, V72914 (USED ON 65-55870-15)(PREF)(OPT TO 50-0117-1 AND 50-0128-1)		1

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-186A	4551		. . . LAMP V08806		1
187	NAS1103-4		. . BOLT (USED ON 65-55870-1, -8,-10, -13)		3
187A	65-55870-9		. . WASHER (USED ON 65-55870-8,-10., -13)		1
188	NAS603-4P		. . SCREW (REPLS NAS603-4)(USED ON 65-55870-1,-8,-10, -13)		4
189	69-42984-1		. . COVER ASSY (USED ON 65-55870-1, -8,-10,-13)		1
190	69-42984-2		. . . COVER		1
191	69-42984-3		. . . GASKET		1
192	ASA4551		. . LAMP, V08806 (USED ON 65-55870-1,-8,-10,-13)		1
193	69-42952-1		. . HOUSING ASSY (USED ON 65-55870-1, -8,-10,-13)		1
194	A7124		. . . BUSHING, V72914		1
195	69-42952-4		. . . GASKET		4
196	69-42952-3		. . . INSULATOR		1
196A	MS20426D3		. . . RIVET		14
196B	BACN10FC5A3		. . . NUTPLATE		7
196C	MS20426D5		. . . RIVET		16
196D	69-42983-1		. . . SUPPORT		4
197	69-42952-5		. . . HOUSING		1
198	65-55844-1		. . BRACKET, MOUNTING (USED ON 65-55870-1)(POST SB 33-1037)		1
198	65-55844-3		. . BRACKET, MOUNTING (USED ON 65-55870-1)(POST SB 33-1037)		1
198	65-55844-5		. . BRACKET, MOUNTING (USED ON 65-55870-8)(REPL BY 65-55844-7) (PRE SB 33-1037)		1
198	65-55844-6		. . BRACKET, MOUNTING (USED ON 65-55870-10)(POST SB 33-1010) (REPL BY 65-55844-7)(PRE SB 33-1037)		1
198	65-55844-7		. . BRACKET, MOUNTING (USED ON 65-55870-13)		1
198	65-55844-7		. . BRACKET, MOUNTING (USED ON 65-55870-8,-10)(REPLS 65-55844-3, -5)(PRE SB 33-1037)		1
199	MS24665-372		. PIN, COTTER		1
200	BACN10JD112A		. NUT		1
201	AN960C1216		. WASHER (REPLD BY BACW10BP12ACU)		2
201	BACW10BP12ACU		. WASHER (REPLS AN960C1216)		2
202	BACB30LJ12DU84		. BOLT		1
-203	BACC2A3C00511EG		. CABLE ASSY (NGPPA)		1

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1101-					
-203	BACC2A3A00511EG		. CABLE ASSY (NGPPA)		1
-203	BACC13AP3D511		. CABLE ASSY (NGPPA)		1
-204	BACC13AP3E488		. CABLE ASSY (NGPPB)		1
-204	BACC2A3A00488FG		. CABLE ASSY (NGPPB)		1
-205	MS24665-153		. PIN, COTTER		2
-206	BACC13AP3J782		. CABLE ASSY (NWSA)		1
-206	BACC13ACF877T 1663		. CABLE ASSY (NWSA-B)		1
-206	61-32155A3HJ1663 LJ877		. CABLE ASSY (NWSA&B)		1
-206	61-32155C3HJ16 63LJ877		. CABLE ASSY (NWSA&B)		1
-207	BACC13AP3H873		. CABLE ASSY (NWSB)		1
-208	MS16562-3		. PIN, SPRING		2
-208	MS39086-3		. PIN, SPRING		2

- ITEM NOT ILLUSTRATED

*[1] REF ITEM 185 FOR TAXI LIGHT INSTL.
*[2] USED ON 65-49726-1, -3
*[3] USED ON 65-49726-4, -5, -10, -11, -12, -15, -16
*[4] USED ON 65-49726-5, -11
*[5] DELETED
*[6] USED ON 65-58256-7, -76, -85, -96, -104, -127, -134
*[7] REFER TO SERVICE LETTER 737-SL-32-18 FOR DATA ABOUT INTERCHANGEABILITY OF PARTS THAT MAKE UP THESE COMPONENTS AS THEY ARE USED ON AIRPLANES OF DIFFERENT MAX GROSS WEIGHTS. THIS SERVICE LETTER NOW ALSO INCLUDES LIFE LIMIT DATA.
*[8] USED ON 65-49726-1, -3, -4, -5
*[9] USED ON 65-49726-10, -11, -12
*[10] USED ON 65-49726-15, -16

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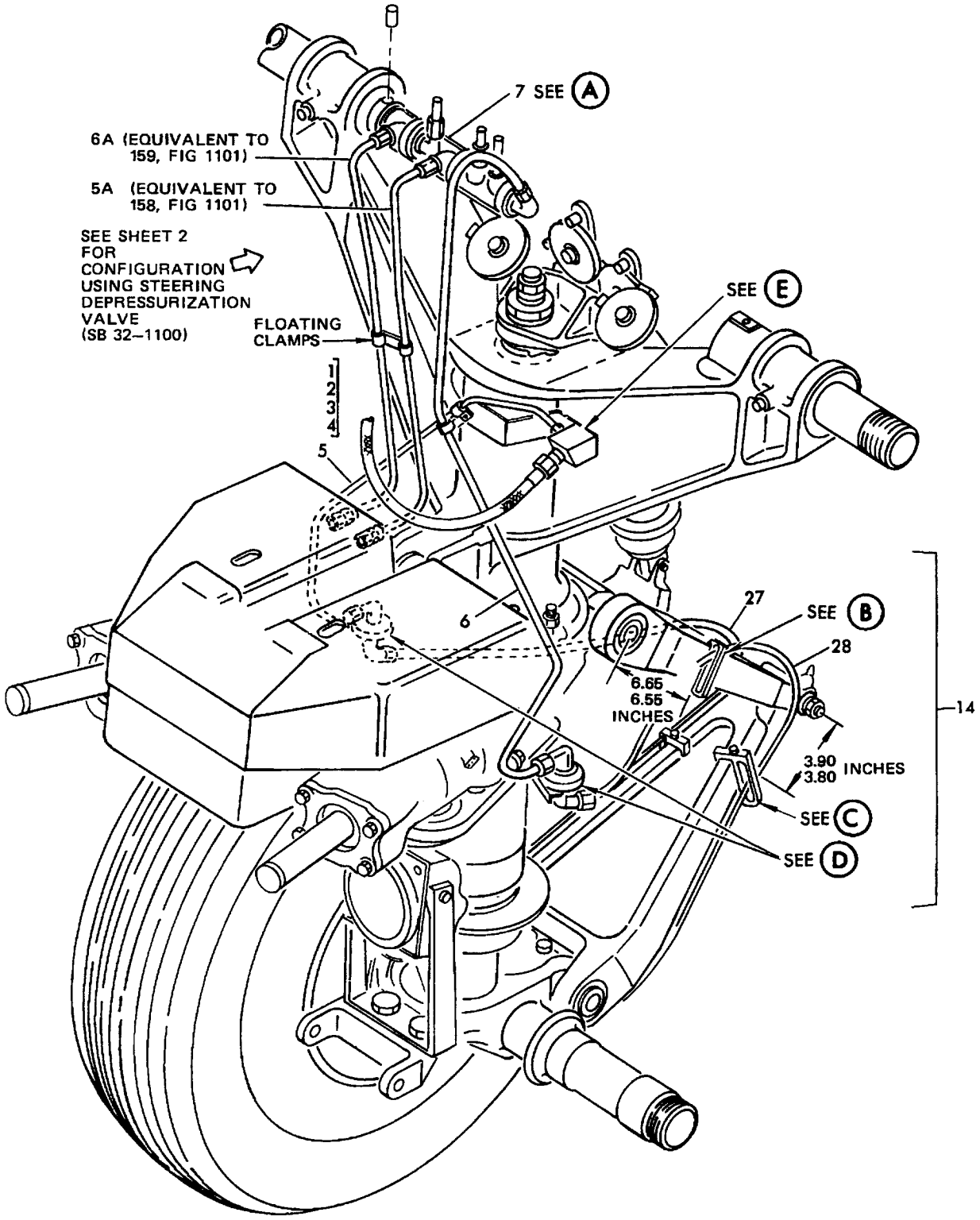
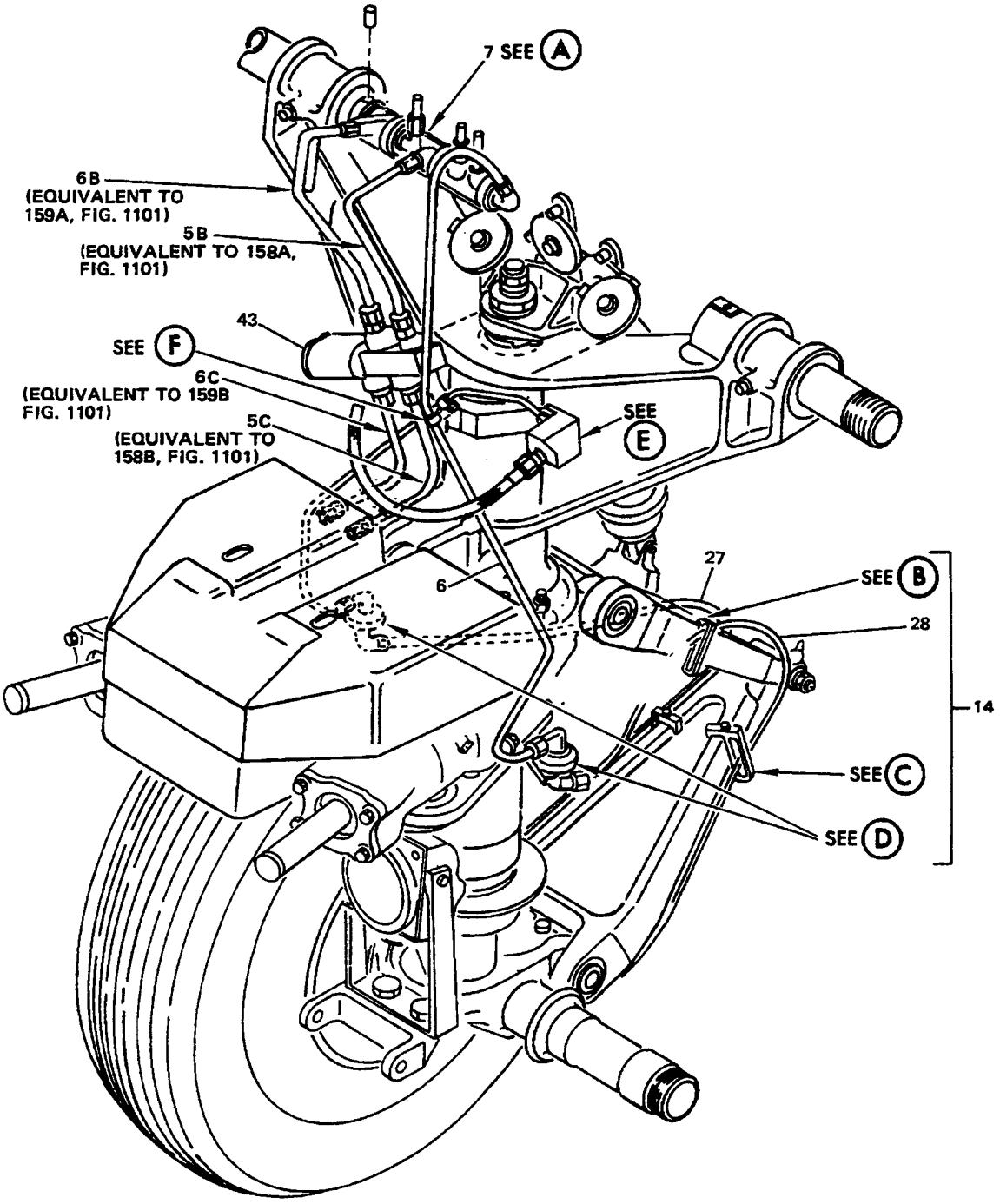


CONFIGURATION PRE SB 32-1100
Hydraulic Installation (Gravel Deflector)
Figure 1102 (Sheet 1)

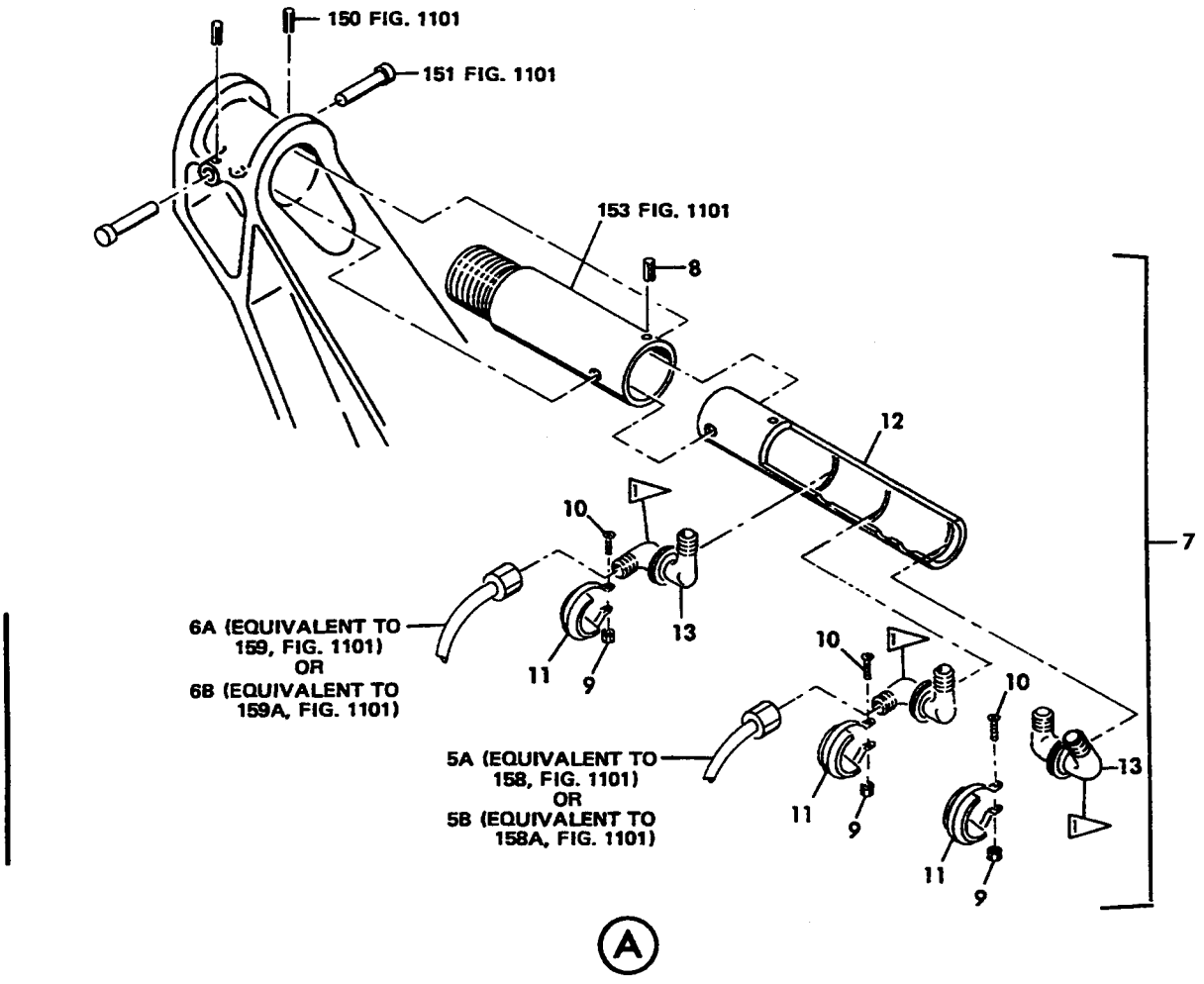
F23393



CONFIGURATION POST SB 32-1100

Hydraulic Installation (Gravel Deflector)
Figure 1102 (Sheet 2)

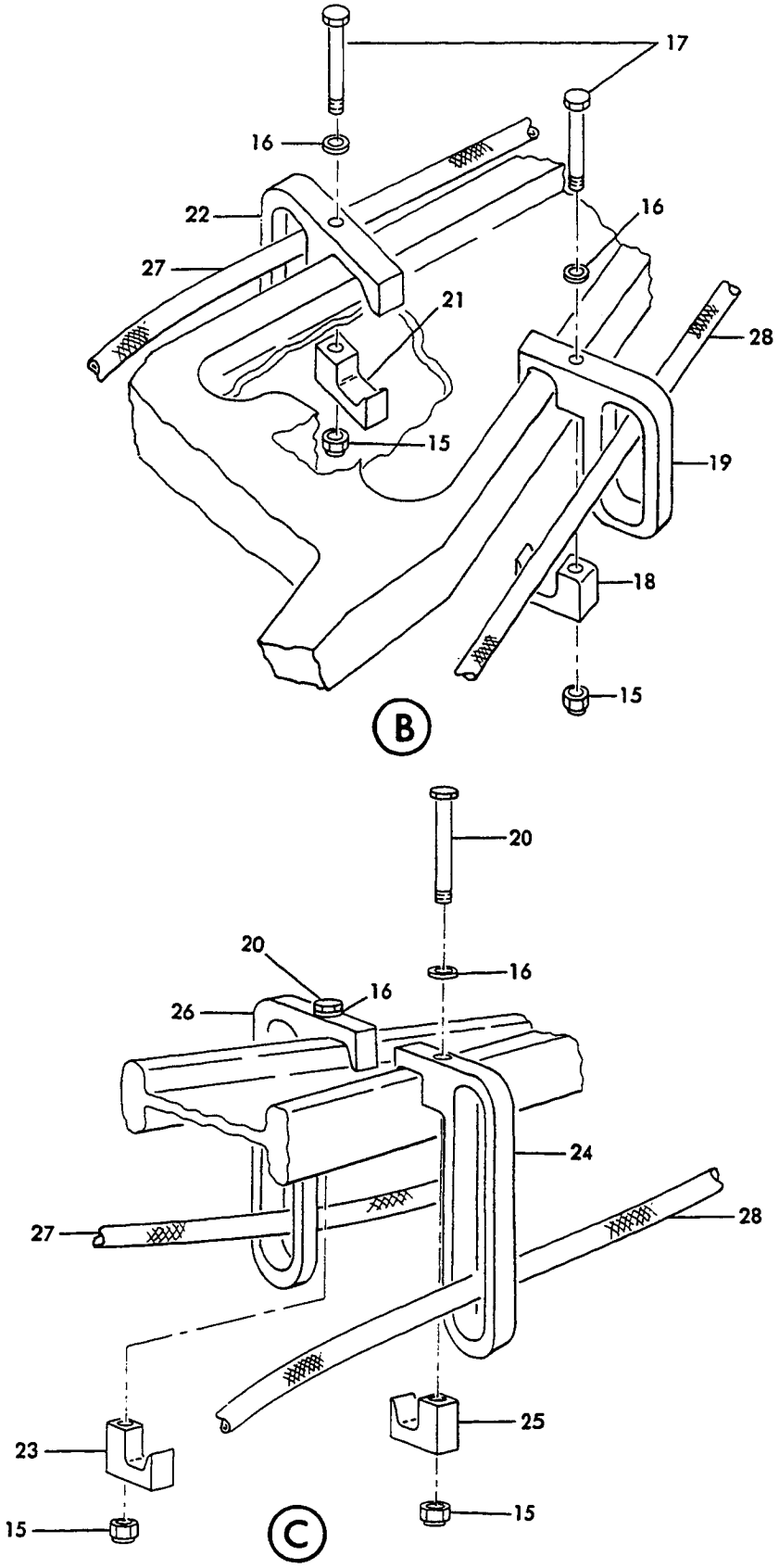
F23398



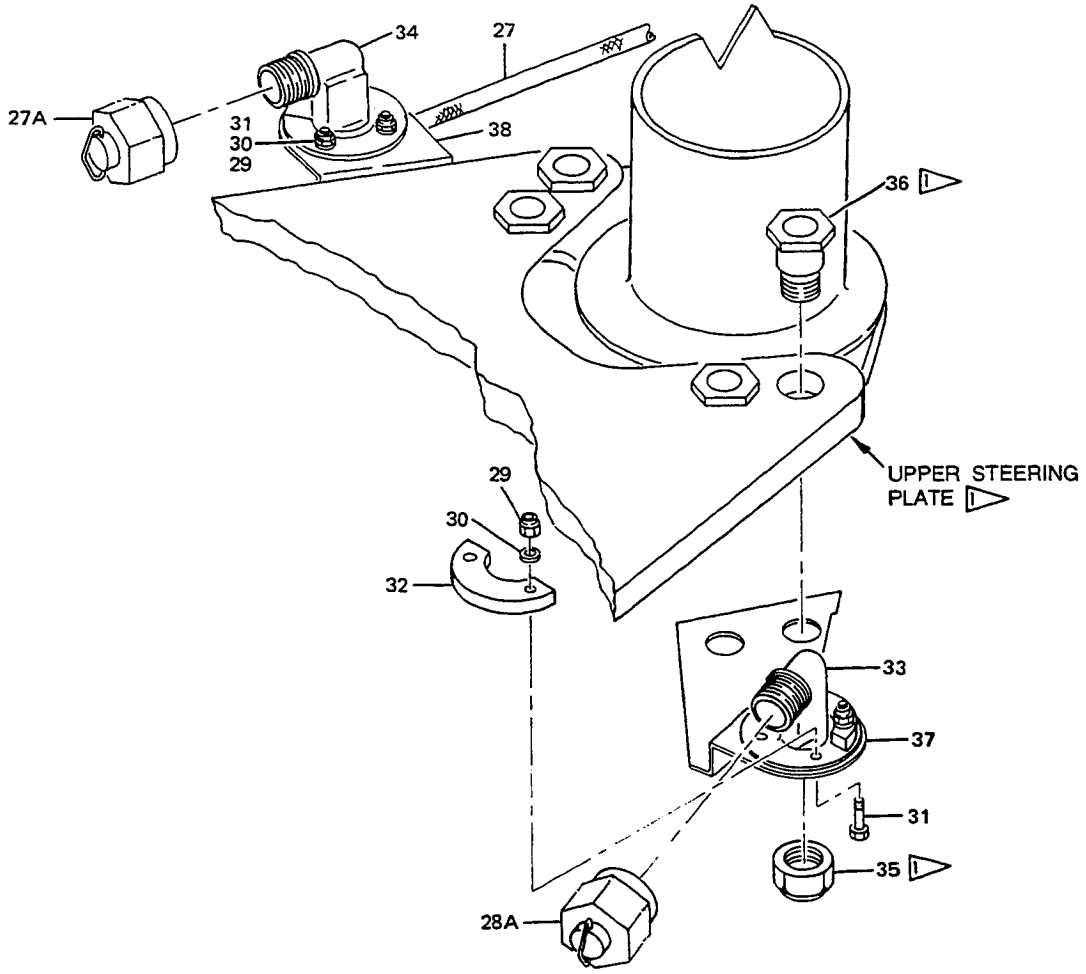
1 FLANGE END FITTING OF SWIVEL ASSY

Hydraulic Installation (Gravel Deflector)
Figure 1102 (Sheet 3)

F23935

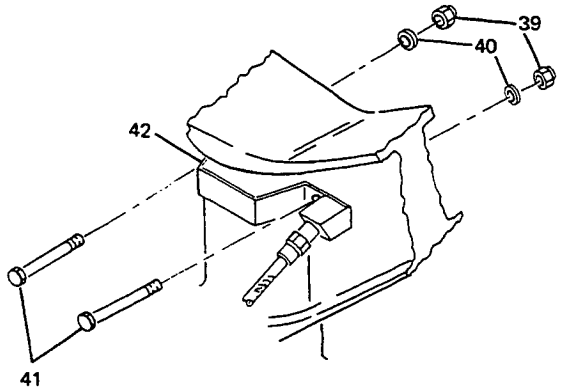


Hydraulic Installation (Gravel Deflector)
Figure 1102 (Sheet 4)

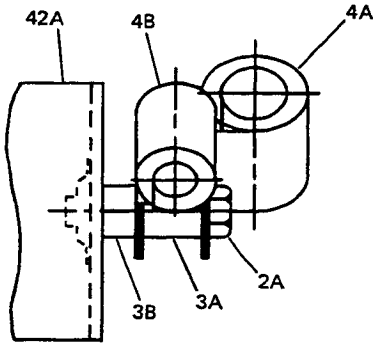


PART OF SHOCK STRUT OUTER CYLINDER (REF 32-21-11)

(D)



(E)



(F)
(POST SB 32-1100)

Hydraulic Installation (Gravel Deflector)
Figure 1102 (Sheet 5)

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1102-					
	65-44567-4		HYDRAULIC INSTL *[1] (POST SB 32-1396) (POST SB 32-1400)	A	RF
	65-44567-8		HYDRAULIC INSTL *[2]	B	RF
	65-44567-10		HYDRAULIC INSTL *[1]	C	RF
	65-44567-11		HYDRAULIC INSTL *[1]	D	RF
	65-44567-12		HYDRAULIC INSTL *[2]	E	RF
1	BACN10JC3		. NUT		1
2	BACS12CB3		. SCREW		1
2A	NAS1801-3-8		. SCREW		1
3	NAS42DD6-48		. SPACER		2
3A	NAS43DD3-22		. SPACER		1
3B	NAS43DD3-12		. SPACER		1
4	BACC10DK		. CLAMP		2
4A	M85052/2-4		. CLAMP		1
4B	M85052/2-6		. CLAMP		1
5	65-44567-1005		. TUBE ASSY	ACD	1
5	65-44567-5		. TUBE ASSY (OPT TO 65-44567-1005)	A	1
5	65-44567-3005		. TUBE ASSY	BE	1
5	65-44567-3019		. TUBE ASSY		1
5A	65-44567-3002		. TUBE ASSY	BE	1
5B	65-44567-3018		. TUBE ASSY		1
5C	65-44567-3017		. TUBE ASSY		1
6	65-44567-1006		. TUBE ASSY	ACD	1
6	65-44567-6		. TUBE ASSY (OPT TO 65-44567-1006)	A	1
6	65-44567-3006		. TUBE ASSY	BE	1
6	65-44567-3020		. TUBE ASSY		1
6A	65-44567-3003		. TUBE ASSY	BE	1
6B	65-44567-3015		. TUBE ASSY		1
6C	65-44567-3016		. TUBE ASSY		1
7	65-44970-2		. SWIVEL INSTL	A	1
7	65-44970-5		. SWIVEL INSTL	B-E	1
8	MS51923-329		. . PIN, SPRING		1
9	BACN10JC3		. . NUT		3
10	NAS603-8P		. . SCREW		3
11	66-22723-1		. . CLAMP		3
12	69-54609-1		. . BRACKET		1
I 13	69-54784-1		. . SWIVEL ASSY (OHM 29-09-21)		3
13	AE96156G		. . SWIVEL, V00624 (REPLD BY 69-54784-1) *[5]		3
13	AE91748G		. . SWIVEL, V00624 (REPLD BY 69-54784-1) *[5]		3
14	65-44899-1		. HOSE & GUIDE INSTL	A	1
14	65-44899-3		. HOSE & SWIVEL INSTL	B-E	1
14	65-44899-4		. HOSE & SWIVEL INSTL	C	1
15	BACN10JC3		. . NUT *[3]		4
16	AN960PD10		. . WASHER *[3]		4

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1102-					
17	NAS1103-34		. . BOLT *[3]		2
18	69-54617-3		. . CLAMP *[3]		1
19	69-54617-1		. . GUIDE, HOSE *[3]		1
20	NAS1103-30		. . BOLT *[3]		1
21	69-54617-4		. . CLAMP *[3]		1
22	69-54617-2		. . GUIDE, HOSE *[3]		1
23	69-54618-3		. . CLAMP *[3]		1
24	69-54618-1		. . GUIDE, HOSE *[3]		1
25	69-54618-4		. . CLAMP *[3]		1
26	69-54618-2		. . GUIDE, HOSE *[3]		1
27	BACH6M0380AAN		. . HOSE ASSY		1
27	BACH8A04NN0380T		. . HOSE ASSY (OPT TO BACH6M0380AAN)		1
-27A	BACC14AD4		. . CAP *[4]		1
28	BACH6M0380CCN		. . HOSE ASSY		1
28	BACH8A04EE0380T		. . HOSE ASSY (OPT TO BACH6M0380CCN)		1
-28A	BACC14AD6		. . CAP *[4]		1
29	BACN10JC4		. . NUT		6
30	AN960PD416		. . WASHER		6
31	NAS1104-3		. . BOLT		6
32	69-54621-3		. . RETAINER		2
I 33	69-54784-1		. . SWIVEL ASSY (OHM 29-09-21)		1
33	AE96156G		. . SWIVEL, V00624 (REPL BY 69-54784-1)		2
33	AE91748G		. . SWIVEL, V00624 (REPL BY 69-54784-1) *[5]		1
I 34	69-69882-2		. . SWIVEL ASSY (OHM 29-09-21)		1
34	AE96155E		. . SWIVEL, V00624 (REPL BY 69-69882-2)		1
34	AE93006E		. . SWIVEL, V00624 (REPL BY 69-69882-2) *[5]		1
35	BACN10BY59		. . NUT *[6]		4
36	69-36625-1		. . BOLT *[6]		4
37	69-54627-5		. . BRACKET		1
38	69-54627-6		. . BRACKET		1
39	BACN10JC6		. . NUT		2
40	AN960PD616		. . WASHER		2
41	NAS1106-19		. . BOLT		2
42	69-54615-2		. . BRACKET ASSY		1
43	65C26885-2		. VALVE INSTL, STEERING DEPRESSURIZATION (FIG. 1104)		1

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*[1] USED ON NOSE GEAR WITH GRAVEL DEFLECTOR
*[2] USED ON NOSE GEAR WITH GRAVEL DEFLECTOR AND PAINTED TUBES
*[3] USED ON 65-44899-1, -3
*[4] USED ON 65-44899-4
*[5] USED ON 65-44899-1
*[6] PART OF SHOCK STRUT OUTER CYLINDER (OHM 32-21-11)

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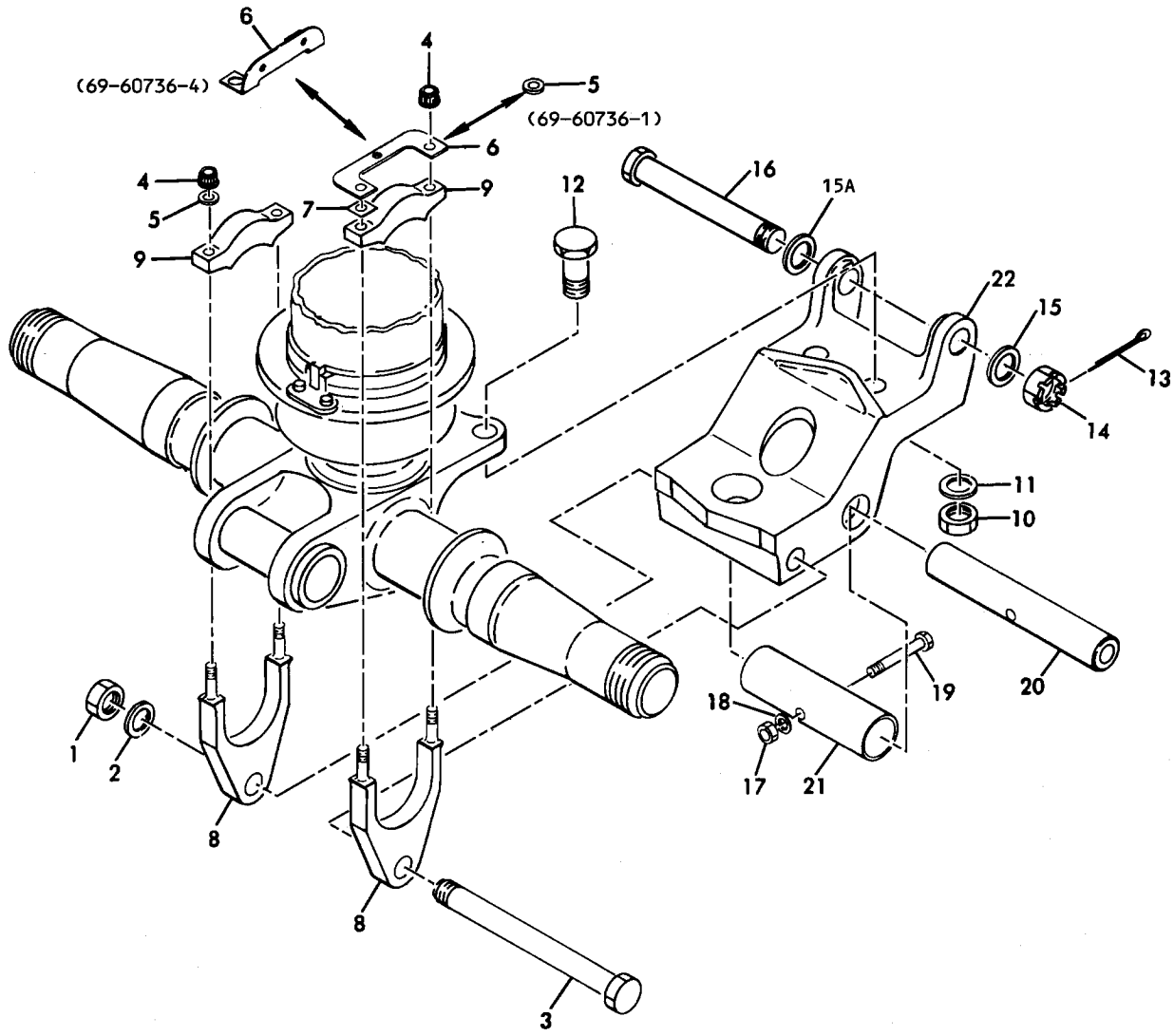

Nose Gear Jack Fitting Installation
Figure 1103

L82531

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1103-	65-77430-1		NOSE GEAR JACK FITTING INSTALLATION (USED WITH GRAVEL DEFLECTOR) (SB 32-1030)	A	RF
	65-77430-2		NOSE GEAR JACK FITTING INSTALLATION (USED WITH GRAVEL DEFLECTOR) (SB 32-1030) (POST SB 32-1396) (POST SB 32-1400)	B	RF
	65-77430-3		NOSE GEAR JACK FITTING INSTALLATION (USED WITH GRAVEL DEFLECTOR) (SB 32-1030)	C	RF
1	BACN10JC12CM		. NUT		1
2	AN960C1216		. WASHER (REPLD BY NAS1149C1290R)		1
2	NAS1149C1290R		. WASHER (REPLS AN960C1216)		1
3	BACB30LM12U102		. BOLT		1
4	BACN10GW6		. NUT (REPLD BY BACN11Z6CD)	AC	4
4	BACN10JC6		. NUT (LIMITED) (REPLD BY BACN10JC6CD)	B	4
4	BACN10GW6		. NUT (LIMITED) (REPLD BY BACN11Z6CD)	B	4
4	BACN11Z6CD		. NUT (REPLS BACN10GW6)	AC	4
4	BACNJC6CD		. NUT (REPLS BACN10JC6) (LIMITED)	B	4
4	BACN11Z6CD		. NUT (REPLS BACN10GW6) (LIMITED)	B	4
5	AN960-616L		. WASHER	AC	4
5	AN960-716L		. WASHER (USED WITH 69-60736-4)	B	2
5	AN960-616L		. WASHER (LIMITED) (REPLD BY NAS1149F0632P)	B	4
5	AN960-616LL		. WASHER (LIMITED)	B	4
5	NAS1149F0632P		. WASHER (LIMITED) (REPLS AN960-616L)	B	4
6	69-60736-1		. BRACKET	A	1
6	69-60736-1		. BRACKET (REPLD BY 69-60736-4)	B	1
6	69-60736-4		. BRACKET (REPLS 69-60736-1)	B	1
6	69-60736-4		. BRACKET	C	1
7	69-60736-2		. FILLER, TAPERED	C	4
8	69-60476-1		. COLLAR	AC	2
8	69-60476-1		. COLLAR (LIMITED)	B	2
8	69-60476-2		. COLLAR (LIMITED)	B	2
9	69-60477-1		. BLOCK	AB	2
9	69-60477-2		. BLOCK	C	2
10	BACN10JC12		. NUT (REPLD BY BACN10JC12CD)		2
10	BACN10JC12CD		. NUT (REPLS BACN10JC12)		2
11	AN960C1216		. WASHER (REPLD BY NAS1149C1290R)		2
11	NAS1149C1290R		. WASHER (REPLS AN960C1216)		2

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1103-					
12	BACB30NF12-21		. BOLT (REPLD BY BACB30LJ12-21)		2
12	BACB30LJ12-21		. BOLT (REPLS BACB30NF12-21)		2
13	MS24665-372		. PIN, COTTER (REPLD BY BACP18C04A10P)		1
13	BACP18BC04A10P		. PIN, COTTER (REPLS MS24665-372)		1
14	BACN10JD112A		. NUT		1
15	AN960C1216L		. WASHER (REPLD BY NAS1149C1232R)		1
15	NAS1149C1232R		. WASHER (REPLS AN960C1216L)		1
15A	AN960C1216		. WASHER (REPLD BY NAS1149C1290R)		1
15A	NAS1149C1290R		. WASHER (REPLS AN960C1216)		1
16	BACB30LJ12DU84		. BOLT		1
17	BACN10JC4CM		. NUT	A	1
18	AN960-416		. WASHER (REPLD BY NAS1149F0463P)	A	1
18	NAS1149F0463P		. WASHER (REPLS AN960-416)	A	1
19	BACB30LJ4U24		. BOLT	A	1
20	69-60479-1		. PIN	A	1
21	69-60480-1		. SLEEVE	A	1
22	65-46268-1		. SHOE, JACKING		1

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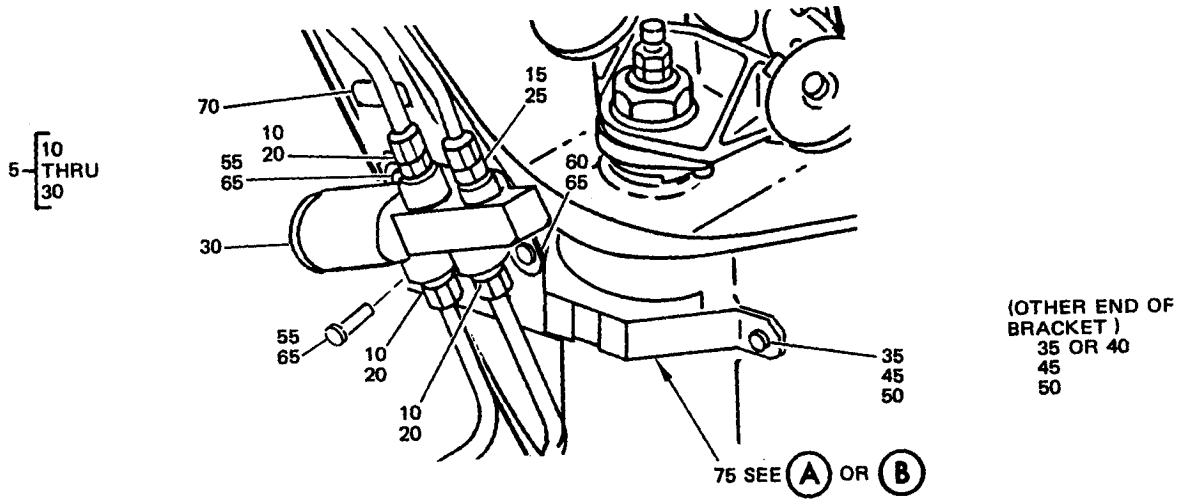
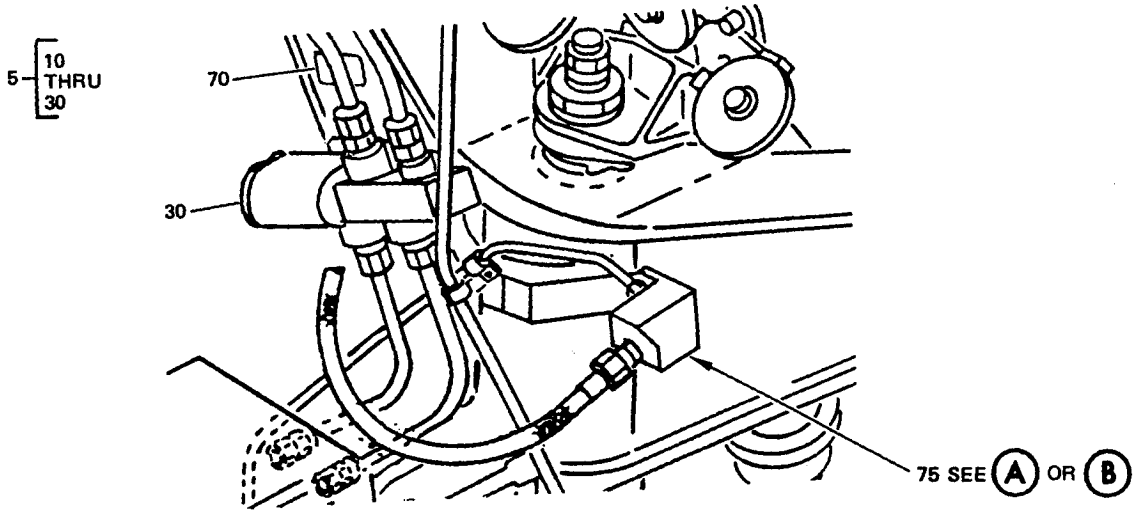
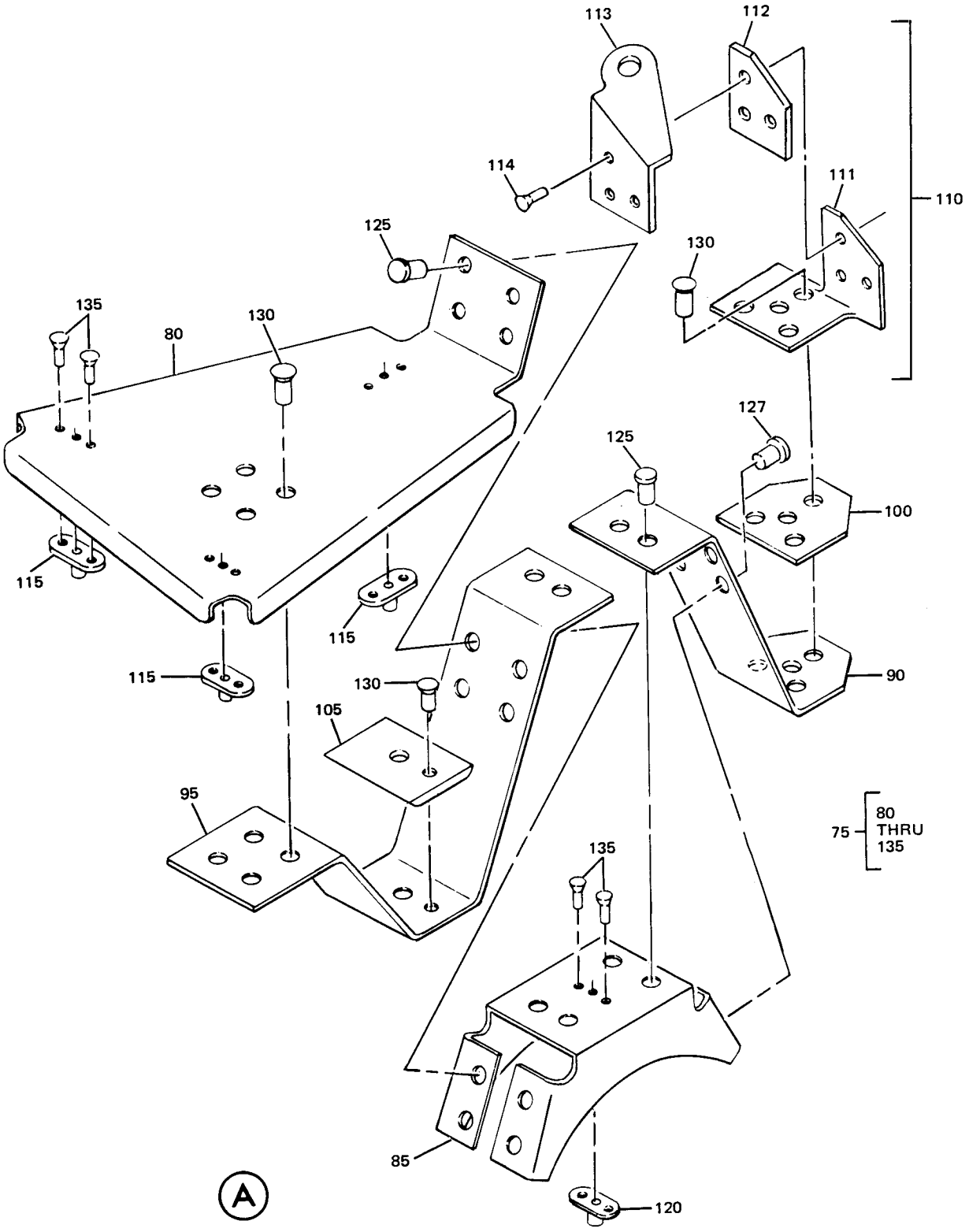


65C26885-1
(FOR LANDING GEAR WITHOUT GRAVEL DEFLECTOR)

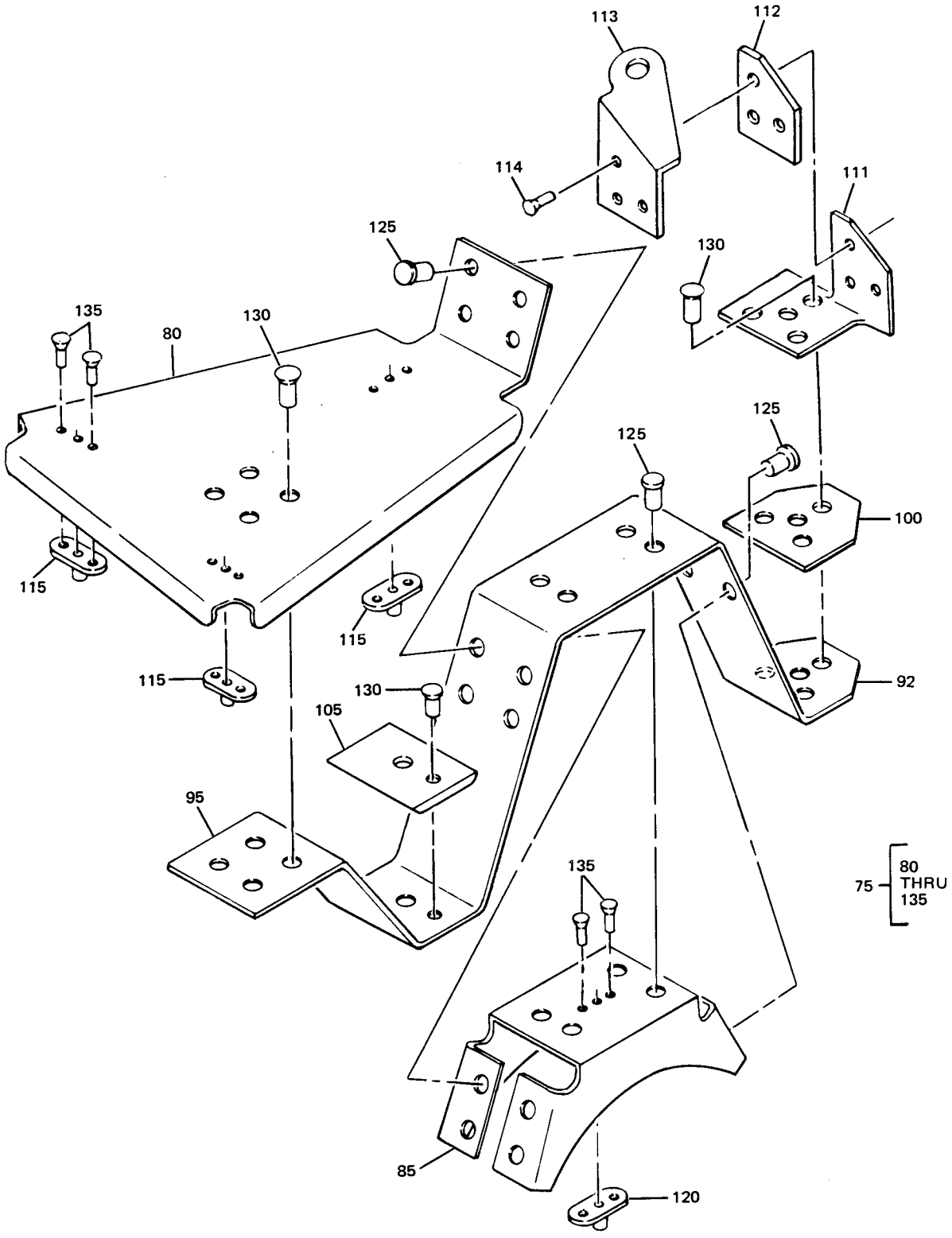


65C26885-2
(FOR LANDING GEAR WITH GRAVEL DEFLECTOR)

Steering Depressurization Valve Installation
Figure 1104 (Sheet 1)



Steering Depressurization Valve Installation
Figure 1104 (Sheet 2)



(69-76333-SERIES)

Steering Depressurization Valve Installation
Figure 1104 (Sheet 3)

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1104-					
-1	65C26885-1		VALVE INSTL, STEERING DEPRESSURIZATION	A	RF
-1	65C26885-2		VALVE INSTL, STEERING DEPRESSURIZATION	B	RF
-1	65C26885-4		VALVE BACKOUT	C	RF
5	65C26885-5		. VALVE ASSY (OPT TO 65C26885-6)	AB	1
5	65C26885-6		. VALVE ASSY	AB	1
10	MS21916-8-6		. . UNION		3
15	MS21902-6		. . UNION		1
20	NAS1612-8		. . PACKING		3
25	NAS1612-6		. . PACKING		1
30	65C26833-2		. . VALVE ASSY (USED ON 65C26885-5) (CMM 32-51-43)(PRE SB 32-1100)		1
30	65C26833-3		. . VALVE ASSY (USED ON 65C26885-5) (CMM 32-51-43)(POST SB 32-1100)		1
30	65C26833-3		. . VALVE ASSY (USED ON 65C26885-6) (CMM 32-51-43)		1
35	BACB30NF6-21		. BOLT	A	2
35	BACB30NF6-21		. BOLT	B	1
35	BACB30NF6-18		. BOLT	C	1
40	BACB30NF6-22		. BOLT	B	1
45	AN960KD616		. WASHER		4
50	MS21042L6		. NUT		4
55	NAS6604-6		. BOLT	AB	2
60	NAS6604-7		. BOLT	AB	1
65	AN960KD416		. WASHER	AB	3
70	BAC27DHY0302		. MARKER, AL FOIL	AB	1
75	69-72999-7		. BRACKET ASSY	A	1
75	69-72999-11		. BRACKET ASSY (LIMITED)	A	1
75	69-76333-1		. BRACKET ASSY (LIMITED)	A	1
75	69-76333-3		. BRACKET ASSY (LIMITED)	A	1
75	69-72999-8		DELETED		
75	69-72999-9		. BRACKET ASSY (LIMITED)	B	1
75	69-72999-12		. BRACKET ASSY (LIMITED)	B	1
75	69-76333-2		. BRACKET ASSY (LIMITED)	B	1
80	69-72998-1		. . BRACKET		1
85	69-72998-2		. . BRACKET (USED ON 69-72999-7,-9,-11,-12)		1
85	69-76332-2		. . BRACKET (USED ON 69-76333-1,-2,-3)		1
90	69-72998-3		. . BRACKET (USED ON 69-72999-7,-9,-11,-12)		1
92	69-76332-1		. . BRACKET (USED ON 69-76333-1, -2,-3)		1
95	69-72998-4		. . BRACKET (USED ON 69-72999-7,-9,-11,-12)		1

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USE CODE	QTY PER ASSY
1104-					
100	69-72999-4		. . FILLER, RADIUS		1
105	69-72999-5		. . FILLER, RADIUS		1
110	69-74417-3		DELETED		
110	69-74703-1		. . BRACKET ASSY (USED ON 69-72999-9, -12; 69-76333-2)		
111	69-74704-1		. . . BRACKET		1
112	69-74704-2		. . . SPACER		1
113	69-74705-1		. . . BRACKET		1
114	BACR15BB5D		. . . RIVET		3
115	BACN10JB4		. . NUTPLATE		3
115	BACN10JN4		. . NUTPLATE (USED ON 69-76333-1, -2,-3)		3
120	BACN10JB3		. . NUTPLATE (USED ON 69-72999-9,-12)		1
120	BACN10JP3		. . NUTPLATE (USED ON 69-76333-2)		1
125	BACR15FT5AD		. . RIVET (USED ON 69-72999-7,-9, -11,-12)		8
125	BACR15FT5AD		. . RIVET (USED ON 69-76333-1,-2,-3)		10
127	BACR15BA5D		. . RIVET (USED ON 69-72999-11,-12)		4
130	BACR15CE5D		. . RIVET		7
135	BACR15BA3AD		. . RIVET (USED ON 69-72999-7,-11; 69-76333-1,-3)		6
135	BACR15BA3AD		. . RIVET (USED ON 69-72999-9,-12; 69-76333-2)		8

VENDORS

V00624	EATON CORP. DBA AEROSPACE DIVISION, 300 S.E. AVE., JACKSON, MICHIGAN 49203-1973
V08806	GENERAL ELECTRIC CO., MINIATURE LAMP PRODUCTS DEPT., NELA PARK, CLEVELAND, OHIO 44112
V1DF30	ALPHA Q, INC., 87 UPTON RD., COLCHESTER, CONNECTICUT 06415-0531
V21335	TIMKEN US CORP., 336 MECHANIC ST., LEBANON, NEW HAMPSHIRE 03766-2614
V22337	BRIDGESTONE/FIRESTONE NORTH AMERICAN TIRE LLC, 535 MARRIOT DR., NASHVILLE, TENNESSEE 37214-5092
V50243	MERCURY GAGE CO., 6107 PROGRESS DR., SUITE B, STERLING HEIGHTS, MICHIGAN 48312-2628
V55284	HONEYWELL INTERNATIONAL DBA HONEYWELL DIV. AEROSPACE SOUTH BEND, 3520 WESTMOOR ST., SOUTH BEND, INDIANA 46628-1373
V72914	GRIMES AEROSPACE CO., 550 STATE RTE. 55, URBANA, OHIO 43078-9482
V74979	THE JOHNSON GAGE CO., 534 COTTAGE GROVE RD., BLOOMFIELD, CONNECTICUT 06002-3093
V83086	NEW HAMPSHIRE BALL BEARINGS, INC., HITECH DIVISION, 175 JAFFREY RD., PETERBOROUGH, NEW HAMPSHIRE 03458-1767

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Part No.	Fig. and Index No.	Qty. per Assy.
A7124	1101-194	1
ABR3M-5013WGP	1101-34	1
ABR3M-5014WGP	1101-35	1
AE91748G	1101-168	2
AE91748G	1102-33	1
AE93006E	1102-34	1
AE96155E	1102-34	1
AE96156G	1101-168	2
AE96156G	1102-33	2
AN960-10L	1101-27	1
AN960-10L	1101-87	4
AN960-1216	1101-13	2
AN960-416	1101-54	2
AN960-416	1103-18	1
AN960-616L	1103-5	4
AN960-616L	1103-5	4
AN960-616LL	1103-5	4
AN960-716L	1103-5	2
AN960-816L	1101-13	2
AN960C1216	1101-201	2
AN960C1216	1101-13	2
AN960C1216	1103-11	2
AN960C1216	1103-2	1
AN960C1216L	1103-15	1
AN960C516	1101-128	1
AN960KD416	1104-65	3
AN960KD616	1104-45	4
AN960PD10	1101-184N	1
AN960PD10	1101-184R	2
AN960PD10	1101-148	4
AN960PD10	1101-75	4
AN960PD10	1101-21	1
AN960PD416	1101-138	1
AN960PD416	1101-119	1
AN960PD416	1101-111	1
AN960PD416	1101-105	1
AN960PD416	1101-97	2
AN960PD416	1101-93	2
AN960PD416	1101-76	2
AN960PD416	1101-42	1
AN960PD416	1101-38	1
AN960PD416	1102-30	6
AN960PD416L	1101-120	1
AN960PD416L	1101-110	1
AN960PD416L	1101-69	2
AN960PD416L	1101-66	1
AN960PD416L	1101-63	1

Part No.	Fig. and Index No.	Qty. per Assy.
AN960PD416L	1101-49	2
AN960PD616	1101-115	4
AN960PD616	1102-40	2
AN960PD816L	1101-128A	AR
AN970-4	1101-59	2
ASA4551	1101-192	1
BAC27DHY0302	1104-70	1
BACB10A661	1101-46	3
BACB10BX4	1101-56	2
BACB10BX4	1101-46	3
BACB10BX4	1101-46	3
BACB10BX8	1101-135	1
BACB10BX8	1101-131	1
BACB30DX5A4	1101-71B	3
BACB30FM5-12	1101-127B	1
BACB30LJ12DU84	1101-202	1
BACB30LJ12DU84	1103-16	1
BACB30LJ4U24	1103-19	1
BACB30LM12U102	1103-3	1
BACB30LU3-26	1101-90	2
BACB30NE12-22	1101-186	2
BACB30NE12-22	1101-14	2
BACB30NE12-24	1101-186	2
BACB30NE3-22	1101-84	2
BACB30NE3-60	1101-174A	1
BACB30NE3D25	1101-23	1
BACB30NE4D10	1101-51	2
BACB30NE4D54	1101-40	1
BACB30NE4H11	1101-94	1
BACB30NF12-18	1103-12	2
BACB30NF12-22	1101-186	2
BACB30NF12-24	1101-14	2
BACB30NF12-26	1101-186	2
BACB30NF12-26	1101-14	2
BACB30NF12-27	1101-186	2
BACB30NF12-27	1101-14	2
BACB30NF3-10	1101-28	1
BACB30NF3-15	1101-82	2
BACB30NF3-22	1101-84	2
BACB30NF4-11	1101-123	1
BACB30NF4-12	1101-124	1
BACB30NF4-13	1101-64	1
BACB30NF4-13	1101-61	1
BACB30NF4-15	1101-83	1
BACB30NF4-22	1101-85	1
BACB30NF4-23	1101-100	1
BACB30NF4-24	1101-139	1

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Part No.	Fig. and Index No.	Qty. per Assy.
BACB30NF4-27	1101-101	1
BACB30NF4-4	1101-67	1
BACB30NF4-5	1101-70J	1
BACB30NF4-6	1101-70	2
BACB30NF4-8	1101-70	2
BACB30NF4D16	1101-112	1
BACB30NF4D22	1101-107	1
BACB30NF4D22	1101-85	1
BACB30NF6-18	1101-116	2
BACB30NF6-18	1104-35	1
BACB30NF6-21	1104-35	1
BACB30NF6-21	1104-35	2
BACB30NF6-22	1104-40	1
BACB30NR12K22	1101-14	2
BACB30NR12K26	1101-14	2
BACB30US6K23	1101-17	3
BACC10CH250-1	1101-184L	1
BACC10DK8	1101-172	AR
BACC10GE7	1101-172	AR
BACC10GE8	1101-172A	2
BACC10GW250-1	1101-184L	1
BACC13ACF877T1663	1101-206	1
BACC13AP3D511	1101-203	1
BACC13AP3E488	1101-204	1
BACC13AP3H873	1101-207	1
BACC13AP3J782	1101-206	1
BACC14AD4	1102-27A	1
BACC14AD6	1102-28A	1
BACC2A3A00488FG	1101-204	1
BACC2A3A00511EG	1101-203	1
BACC2A3C00511EG	1101-203	1
BACC30M5	1101-127A	1
BACF3F010N-010NN	1101-177T	1
BACF3T02F5-10	1101-177U	1
BACH6M0380AAN	1102-27	1
BACH6M0380CCN	1102-28	1
BACH8A04EE0380T	1102-28	1
BACH8A04NN0380T	1102-27	1
BACN10BY59	1102-35	4
BACN10FC5A3	1101-196B	7
BACN10GW6	1103-4	4
BACN10GW6	1103-4	4
BACN10GW8	1101-12	2
BACN10HR6CD	1101-17C	3
BACN10JB3	1104-120	1

Part No.	Fig. and Index No.	Qty. per Assy.
BACN10JB4	1104-115	3
BACN10JC04	1101-142	2
BACN10JC12	1101-12	2
BACN10JC12	1103-10	2
BACN10JC12C	1101-12	2
BACN10JC12CD	1101-12	2
BACN10JC12CM	1103-1	1
BACN10JC3	1101-184M	1
BACN10JC3	1101-171	AR
BACN10JC3	1101-162	2
BACN10JC3	1101-146	4
BACN10JC3	1101-86	4
BACN10JC3	1101-72	4
BACN10JC3	1101-72	4
BACN10JC3	1101-26	1
BACN10JC4	1101-137	1
BACN10JC4	1101-118	2
BACN10JC4	1101-96	2
BACN10JC4	1101-92	1
BACN10JC4	1101-74	1
BACN10JC4	1101-74A	1
BACN10JC4	1101-68	2
BACN10JC4	1101-68	2
BACN10JC4	1101-65	1
BACN10JC4	1101-65	1
BACN10JC4	1101-58	2
BACN10JC4	1101-53	2
BACN10JC4	1101-48	2
BACN10JC4	1101-37	1
BACN10JC4	1102-29	6
BACN10JC4CD	1101-68	2
BACN10JC4CM	1103-17	1
BACN10JC6	1101-114	2
BACN10JC6	1102-39	2
BACN10JC6	1103-4	4
BACN10JD103	1101-26	1
BACN10JD103	1101-20	1
BACN10JD104	1101-109	1
BACN10JD104	1101-104	1
BACN10JD104	1101-74	1
BACN10JD104	1101-58	2
BACN10JD104	1101-53	2
BACN10JD104	1101-48	2
BACN10JD104	1101-37	1

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Part No.	Fig. And Index No.	Qty. per Assy.
BACN10JD112A	1101-200	1
BACN10JD112A	1103-14	1
BACN10JD4	1101-74A	1
BACN10JD5	1101-127	1
BACN10JN4	1104-115	3
BACN10JN4CD	1101-71L	1
BACN10JP3	1104-120	1
BACP30F4	1101-121	2
BACP30F4	1101-98	2
BACP30F4	1101-60	2
BACP30J4	1101-121	2
BACP30J4	1101-98	2
BACP30J4	1101-78	2
BACR15BA3AD	1104-135	6
BACR15BA3AD	1104-135	8
BACR15BA5D	1104-127	4
BACR15BB5D	1104-114	3
BACR15CE3AD	1101-71M	2
BACR15CE5D	1104-130	7
BACR15FT5AD	1104-125	10
BACR15FT5AD	1104-125	8
BACS12BF04B7	1101-144	2
BACS12BP04BF8	1101-144	2
BACS12CB3-34	1101-184D	1
BACS12CB3-34	1101-181	1
BACS12CB3-34	1101-181C	1
BACS12CB3-40	1101-184	1
BACS12CB3-6	1101-184J	1
BACS12CB3-60	1101-174	1
BACS12CB3-7	1101-172B	2
BACS12CB3-8	1101-178A	1
BACS12CB3-8	1101-178	2
BACS12CB3-84	1101-177	1
BACS12ER04K8	1101-144	2
BACS40B24-24	1101-117	2
BACW10BP12ACU	1101-201	2
BACW10BP6CD	1101-17A	3
BACW10BP6DP	1101-17B	3
BACW10P14C	1101-122	1
BACW10P14C	1101-99	2
BACW10P14CC	1101-70K	1
BACW10P63S	1101-87A	8
BACW10P71S	1101-55	2
BACW10P71S	1101-50	2
MS16562-3	1101-208	2
MS20219-4	1101-78	2

Part No.	Fig. And Index No.	Qty. per Assy.
MS20426D3	1101-196A	14
MS20426D5	1101-196C	16
MS21042L3	1101-172L	6
MS21042L6	1104-50	4
MS21902-6	1104-15	1
MS21916-8-6	1104-10	3
MS24665-153	1101-126	1
MS24665-153	1101-108	1
MS24665-153	1101-103	1
MS24665-153	1101-73	2
MS24665-153	1101-57	2
MS24665-153	1101-52	2
MS24665-153	1101-47	2
MS24665-153	1101-36	1
MS24665-153	1101-25	1
MS24665-153	1101-19	1
MS24665-153	1101-205	2
MS24665-298	1101-10	6
MS24665-372	1101-199	1
MS24665-372	1103-13	1
MS24678-9	1101-154	1
MS24678-9	1101-4	4
MS33650-302	1101-172M	2
MS39086-3	1101-208	2
MS51923-146	1101-46A	1
MS51923-329	1101-161	1
MS51923-398	1101-150	4
NAS1057T8-040	1101-130	1
NAS1057T8-080	1101-132	1
NAS1080R5	1101-71C	3
NAS1103-10D	1101-28	1
NAS1103-15	1101-82	2
NAS1103-30	1101-1840	1
NAS1103-30	1102-20	1
NAS1103-34	1102-17	2
NAS1103-4	1101-187	3
NAS1104-13D	1101-61	1
NAS1104-14D	1101-64	1
NAS1104-15D	1101-83	1
NAS1104-3	1102-31	6
NAS1104-4	1101-67	1
NAS1104-6	1101-70	2
NAS1106-19	1102-41	2
NAS1149D0363J	1101-172K	5
NAS1149D0416J	1101-69	2

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Part No.	Fig. and Index No.	Qty. per Assy.
NAS1304-54D	1101-40	1
NAS1612-6	1104-25	1
NAS1612-8	1104-20	3
NAS1801-3-60	1101-174	1
NAS1801-3-74	1101-177A	1
NAS1801-3-76	1101-177B	1
NAS1801-3-80	1101-177C	1
NAS1801-3-9	1101-172J	1
NAS42DD4-13	1101-143	2
NAS42DD6-28	1101-79	2
NAS42DD6-32	1101-147	4
NAS42DD6-53	1101-80	2
NAS42DD8-155	1101-43	1
NAS43DD3-( )	1101-184C	1
NAS43DD3-( )	1101-184G	1
NAS43DD3-( )	1101-183A	1
NAS43DD3-( )	1101-183B	1
NAS43DD3-104FC	1101-176B	1
NAS43DD3-120FC	1101-176C	1
NAS43DD3-132	1101-176A	1
NAS43DD3-140FC	1101-176D	1
NAS43DD3-32	1101-184T	1
NAS43DD3-36	1101-184C	1
NAS43DD3-36	1101-184G	1
NAS43DD4-11	1101-81	
NAS43DD4-182	1101-176A	1
NAS509-18	1101-91A	1
NAS509-4	1101-32	1
NAS509-5	1101-31	1
NAS514P1032-36	1101-184H	1
NAS514P440-8P	1101-144	2
NAS514P4440-7P	1101-144	2
NAS559-1	1101-33	2
NAS603-4P	1101-188	4
NAS603-8P	1101-163	2
NAS623-3-12	1101-149	4
NAS6603-78	1101-177	1
NAS6604-10	1101-51	2
NAS6604-56	1101-40	1
NAS6604-6	1104-55	2
NAS6604-7	1104-60	1
NAS75-3-024	1101-24	1
NAS75-4-008	1101-41	1
RA3M5-3E6531	1101-35	1
RA3M5-3FS428	1101-35	1

Part No.	Fig. and Index No.	Qty. per Assy.
REP3MS4-6E9171	1101-34	1
REP3MS4-6FS428	1101-34	1
REP3MS4-6FS428	1101-34	1
TA025149	1101-172	12
00534	1101-8	1
2601045-1	1101-9	1
2601045-2	1101-9	1
2604589-1	1101-9	1
4551	1101-186A	1
50-0095-1	1101-186A	
50-0117-1	1101-186A	1
50-0128-1	1101-186A	1
50-0199-9	1101-186A	1
61-32155A3HJ1663 LJ877	1101-206	1
61-32155C3HJ1663 LJ877	1101-206	1
65-44003-1	1101-71J	1
65-44003-2	1101-71K	1
65-44567-1	1101-157	1
65-44567-10	1101-157	1
65-44567-1002	1101-158	1
65-44567-1003	1101-159	1
65-44567-11	1101-157	1
65-44567-12	1101-157	1
65-44567-13	1101-157	1
65-44567-2	1101-158	1
65-44567-3	1101-159	1
65-44567-3002	1101-158	1
65-44567-3003	1101-159	1
65-44567-3015	1101-159A	1
65-44567-3016	1101-159B	1
65-44567-3017	1101-158B	1
65-44567-3018	1101-158A	1
65-44567-4	1101-157	1
65-44567-5001	1101-157A	1
65-44567-5002	1101-157A	1
65-44567-8	1101-157	1
65-44567-9	1101-157	1
65-44970-1	1101-160	1
65-46268-1	1103-22	1
65-46315-1	1101-18	1
65-46315-2	1101-18	1
65-46315-3	1101-18	1
65-46315-4	1101-18	1
65-46315-5	1101-18	1
65-46393-1	1101-44	1

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Part No.	Fig. and Index No.	Qty. per Assy.
65-46393-1	1101-44	1
65-46393-1	1101-44	1
65-46393-2	1101-45	1
65-46393-4	1101-44	1
65-46393-4	1101-44	1
65-46393-5	1101-45	1
65-46393-6	1101-44	1
65-46394-2	1101-145	1
65-46394-4	1101-141	1
65-46394-5	1101-141	1
65-46394-6	1101-145	1
65-46394-7	1101-141	1
65-46396-1	1101-133	1
65-46396-2	1101-134	1
65-46396-3	1101-133	1
65-46396-3	1101-133	1
65-46396-4	1101-134	1
65-46396-5	1101-133	1
65-46396-6	1101-134	1
65-46396-7	1101-133	1
65-46396-8	1101-134	1
65-46399-1	1101-91	1
65-46399-2	1101-91	1
65-46399-4	1101-91	1
65-49726-1	1101-169	1
65-49726-10	1101-169	1
65-49726-11	1101-169	1
65-49726-12	1101-169	1
65-49726-15	1101-169	1
65-49726-16	1101-169	1
65-49726-2	1101-184S	AR
65-49726-3	1101-169	1
65-49726-4	1101-169	1
65-49726-5	1101-169	1
65-49767-1	1101-170	1
65-49767-14	1101-170	1
65-49767-14	1101-170	1
65-49767-24	1101-170	1
65-49767-43	1101-170	1
65-49767-6	1101-170	1
65-49767-6	1101-170	1
65-52859-1	1101-62	
65-52859-3	1101-62	2
65-52862-1	1101-71	1
65-52862-1	1101-71	1
65-52862-1	1101-71	1
65-54217-1	1101-95	1

Part No.	Fig. and Index No.	Qty. per Assy.
65-54217-3	1101-95	1
65-54217-4	1101-95	1
65-54220-1	1101-113	1
65-54220-3	1101-113	1
65-54231-1	1101-102	1
65-55844-1	1101-198	1
65-55844-3	1101-198	1
65-55844-5	1101-198	1
65-55844-6	1101-198	1
65-55844-7	1101-198	1
65-55844-7	1101-198	1
65-55870-1	1101-185	1
65-55870-10	1101-185	1
65-55870-12	1101-185	1
65-55870-13	1101-185	1
65-55870-15	1101-185	1
65-55870-8	1101-185	1
65-55870-9	1101-187A	1
65-58256-104	1101-2	1
65-58256-105	1101-7	2
65-58256-113	1101-2	
65-58256-114	1101-7	2
65-58256-115	1101-8	1
65-58256-117	1101-7	2
65-58256-119	1101-7	2
65-58256-121	1101-7	2
65-58256-121	1101-7	2
65-58256-127	1101-2	1
65-58256-133	1101-7	2
65-58256-134	1101-2	1
65-58256-160	1101-7	2
65-58256-161	1101-8	1
65-58256-183	1101-8	1
65-58256-184	1101-7	2
65-58256-51	1101-7	2
65-58256-52	1101-7	2
65-58256-53	1101-7	2
65-58256-60	1101-8	1
65-58256-61	1101-8	1
65-58256-62	1101-8	1
65-58256-7	1101-2	1
65-58256-76	1101-2	1
65-58256-81	1101-2	1
65-58256-82	1101-7	2
65-58256-83	1101-2	1
65-58256-84	1101-7	2
65-58256-85	1101-2	1

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Part No.	Fig. and Index No.	Qty. per Assy.
65-58256-93	1101-8	1
65-58256-95	1101-7	2
65-58256-96	1101-2	1
65-73762-18	1101-1	1
65-73762-4	1101-1	1
65-73762-5	1101-1	1
65-73762-7	1101-1	1
65-73762-9	1101-1	1
65-77430-1	1103-	RF
65-77430-2	1103-	RF
65-77430-3	1103-	RF
65-80930-1	1101-113	1
65C22148-1	1101-71	1
65C22148-1	1101-71	1
65C22148-2	1101-71D	1
65C22605-1	1101-44	1
65C22605-1	1101-44	1
65C22605-2	1101-45	1
65C26833-2	1104-30	1
65C26833-3	1104-30	1
65C26833-3	1104-30	1
65C26885-1	1104--1	RF
65C26885-1	1101-168A	1
65C26885-1	1101-168A	1
65C26885-2	1104--1	RF
65C26885-2	1101-168A	1
65C26885-2	1102-43	1
65C26885-4	1104--1	RF
65C26885-4	1101-168A	1
65C26885-5	1104-5	1
65C26885-6	1104-5	1
65C34776-1	1101-152	1
65C36787-2	1101-15	1
66-22723-1	1101-164	2
66-24147-1	1101-91B	1
69-35398-1	1101-152	1
69-35398-2	1101-152	1
69-35572-1	1101-165	1
69-35572-2	1101-167	2
69-35572-3	1101-166	1
69-36625-1	1102-36	4
69-37118-1	1101-184K	1
69-37182-11	1101-184E	1
69-37182-12	1101-184F	1
69-37182-13	1101-184A	1
69-37182-13	1101-184A	2
69-37182-13	1101-181A	1

Part No.	Fig. and Index No.	Qty. per Assy.
69-37182-13	1101-179	1
69-37182-13	1101-179	1
69-37182-14	1101-184B	1
69-37182-14	1101-184B	2
69-37182-14	1101-181B	1
69-37182-14	1101-180	1
69-37182-14	1101-180	1
69-37182-15	1101-175	1
69-37182-2	1101-182	1
69-37182-3	1101-183	1
69-37182-4	1101-181A	1
69-37182-4	1101-179	1
69-37182-5	1101-181B	1
69-37182-5	1101-180	1
69-37182-6	1101-173	2
69-37182-6	1101-173	4
69-37182-7	1101-175	1
69-37182-7	1101-175	1
69-37182-7	1101-175	2
69-37182-8	1101-176	1
69-37182-8	1101-176	1
69-37182-8	1101-176	2
69-37196-1	1101-106	1
69-38248-1	1101-29	1
69-38248-2	1101-29	1
69-38249-1	1101-30	1
69-38256-1	1101-129	1
69-38256-2	1101-129	1
69-38256-2	1101-89	1
69-38256-2	1101-129	1
69-38257-1	1101-140	1
69-38257-2	1101-140	1
69-38257-2	1101-140	1
69-38258-1	1101-88	2
69-38258-3	1101-88	2
69-38258-4	1101-89	1
69-38260-2	1101-22	1
69-38260-3	1101-39	1
69-38260-3	1101-39	1
69-38260-3	1101-39	1
69-38260-6	1101-39	1
69-38260-6	1101-39	1
69-39153-1	1101-11	2
69-39154-1	1101-5	2
69-39154-2	1101-5	2
69-39155-1	1101-6	2
69-39155-2	1101-6	2

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Part No.	Fig. and Index No.	Qty. per Assy.
69-40763-1	1101-77	2
69-40962-1	1101-128B	1
69-41248-1	1101-153	1
69-41248-2	1101-153	1
69-41248-3	1101-153	1
69-41251-1	1101-156	1
69-41252-1	1101-155	1
69-41262-1	1101-151	4
69-41278-1	1101-15	1
69-41278-2	1101-15	1
69-41278-3	1101-15	1
69-41278-4	1101-15	1
69-41782-1	1101-136	1
69-42181-1	1101-14	2
69-42181-2	1101-186	2
69-42181-2	1101-14	2
69-42952-1	1101-193	1
69-42952-3	1101-196	1
69-42952-4	1101-195	4
69-42952-5	1101-197	1
69-42983-1	1101-196D	4
69-42984-1	1101-189	1
69-42984-2	1101-190	1
69-42984-3	1101-191	1
69-54615-2	1102-42	1
69-54617-1	1102-19	1
69-54617-2	1102-22	1
69-54617-3	1102-18	1
69-54617-4	1102-21	1
69-54618-1	1102-24	1
69-54618-2	1101-184P	1
69-54618-2	1102-26	1
69-54618-3	1102-23	1
69-54618-4	1101-184Q	1
69-54618-4	1102-25	1
69-54621-3	1102-32	2
69-54627-5	1102-37	1
69-54627-6	1102-38	1
69-54784-1	1102-33	1
69-58327-1	1101-16	2
69-60476-1	1103-8	2
69-60476-1	1103-8	2
69-60476-2	1103-8	2
69-60477-1	1103-9	2
69-60477-2	1103-9	2
69-60480-1	1103-21	1
69-60736-1	1103-6	1

Part No.	Fig. and Index No.	Qty. per Assy.
69-60736-1	1103-6	1
69-60736-2	1103-7	4
69-60736-4	1103-6	1
69-60736-4	1103-6	1
69-63366-1	1101-8	1
69-69882-2	1102-34	1
69-6o479-1	1103-20	1
69-71553-1	1101-46B	1
69-72089-1	1101-71A	1
69-72998-1	1104-80	1
69-72998-2	1104-85	1
69-72998-3	1104-90	1
69-72998-4	1104-95	1
69-72999-11	1104-75	1
69-72999-12	1104-75	1
69-72999-4	1104-100	1
69-72999-5	1104-105	1
69-72999-7	1104-75	1
69-72999-8	1104-75	
69-72999-9	1104-75	1
69-74417-3	1104-110	
69-74703-1	1104-110	
69-74704-1	1104-111	1
69-74704-2	1104-112	1
69-74705-1	1104-113	1
69-76332-1	1104-92	1
69-76332-2	1104-85	1
69-76333-1	1104-75	1
69-76333-2	1104-75	1
69-76333-3	1104-75	1
69-77297-1	1101-35	1
69-77297-2	1101-35	1
69-77849-1	1101-5	2
69-77849-2	1101-5	2
69-78720-3	1101-176T	1

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