

TO: ALL HOLDERS OF NOSE GEAR GRAVEL DEFLECTOR ASSEMBLY OVERHAUL MANUAL,
 32-26-17

REVISION NO. 11, DATED NOV 1/08

HIGHLIGHTS

DESCRIPTION OF CHANGE	TOPICS AFFECTED												
	D & O	D / A s s y	C l e a n i n g	I n s p / C h k	R e p a i r	A s s y	F / C	T e s t	T / S h o t t i n g	S / T o o l s	S t o r a g e	I P L	L / O v e r h a u l
Incorporated Service Bulletins 737-32-1396 and 737-32-1400 which add landing gear gravel deflector equipment												X	

Nov 1/08

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 HIGHLIGHTS
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NOSE GEAR GRAVEL DEFLECTOR ASSEMBLY

32-26-17

BOEING P/N 65-76611-28, -43

AIRLINE P/N

THE FOLLOWING DIRECTIVES APPLY TO THIS SUBJECT:

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVES	DATE DIRECTIVE INCORPORATED INTO TEXT
		PRR 32109	Jun 10/72
32-1028		PRR 31395-9	Mar 25/73
32-1030		PRR 31555	Mar 25/73
32-1067		PRR 32196	Mar 25/73
32-1078		PRR 32478	Jul 5/76
		PRR 32496-3	Jul 5/76
		PRR 32672	Jan 5/77
32-1246		MC 3220MK3002	Sep 5/90
32-1396		MC 3200MK3058	Nov 1/08
32-1400		MC 3200MK3056	Nov 1/08

Nov 1/08

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LIST OF EFFECTIVE PAGES

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

PAGE	DATE	PAGE	DATE	PAGE	DATE
32-26-17		1121	Dec 25/74		
* T-1	Nov 1/08	1122	Dec 25/74		
T-2	BLANK	* 1123	Nov 1/08		
* LEP-1	Nov 1/08	1124	Sep 1/95		
LEP-2	BLANK	1125	Sep 5/93		
T/C-1	Mar 25/75	1126	Jul 1/98		
T/C-2	BLANK	1127	Sep 1/95		
1	Mar 25/73	1128	Sep 1/95		
2	Mar 25/73				
101	Dec 25/74				
102	Jun 25/75				
301	Mar 25/73				
302	BLANK				
401	Nov 1/05				
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1112A	BLANK				
1112B	Jan 5/77				
* 1113	Nov 1/08				
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1116	Sep 1/95				
1117	Jul 1/98				
1118	Mar 25/73				
1119	Mar 25/73				
1120	Nov 1/05				

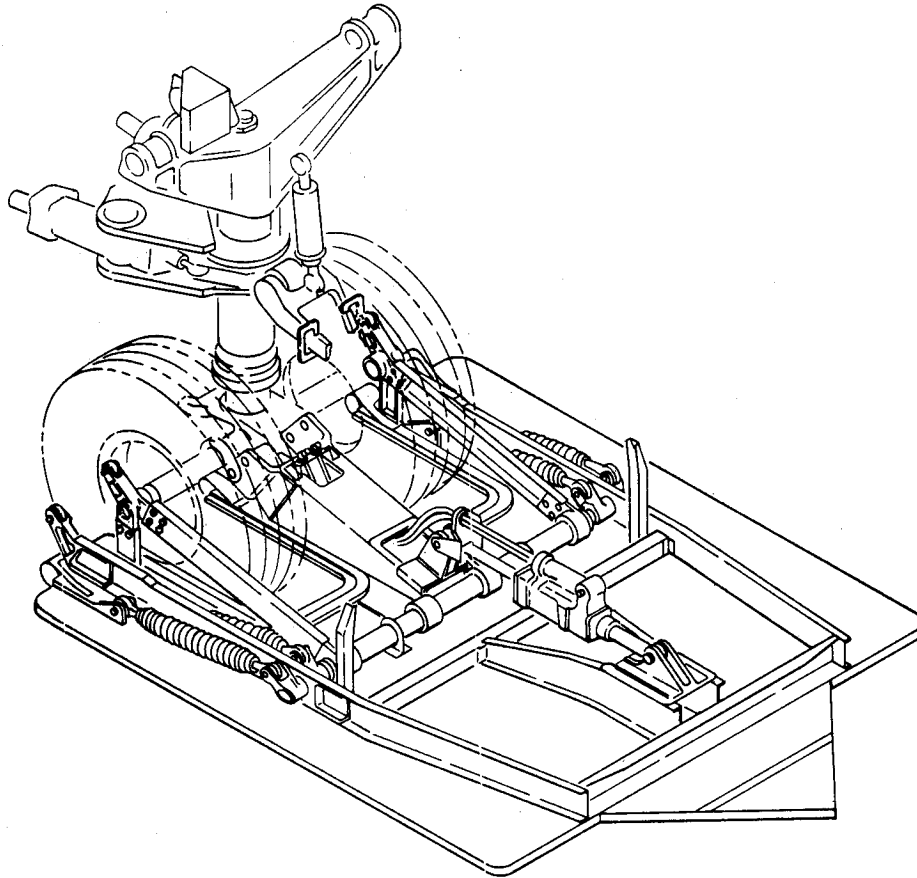
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*[1] Special instructions not required. Use standard industry practices.

*[2] Use applicable procedures contained in 20-44-02 and standard industry practices.

NOSE GEAR GRAVEL DEFLECTOR ASSEMBLY

Nose Gear Gravel Deflector Assembly
Figure 1

DESCRIPTION AND OPERATION

1. Description

- A. The nose gear gravel deflector assembly consists of a shield which pivots on a tube supported on channel section beams mounted on top of the shield.

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- B. The deflector shield consists of a plywood sheet covered with glass laminate and corrosion-resistant steel plates. Two lengthwise channel beams on the upper surface reinforce the shield. Sheet metal airfoils on the forward edge of the shield provide aerodynamic smoothness. Two sets of rollers on the leading edge provide guidance on respective sets of tracks in the wheel well when nose gear is retracted.
- C. Brackets and clevises on top of the shield provide attachments for the hydraulic power control unit and four tension spring assemblies.

2. Operation

- A. The nose gear gravel deflector raises and lowers with the nose gear assembly. The hydraulic power control unit maintains the deflector in a position parallel with the wing chord during nose gear transit. The four tension spring assemblies replace the function of the power control unit during any manual operation of the nose gear.

3. Leading Particulars

Length -- 62 inches
Height -- 9 inches
Width -- 44 inches

NOTE: Special instructions for Cleaning and Storage are not required. Standard Aircraft Shop Practices are sufficient for overhaul of this component.

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DISASSEMBLY

1. If applicable, remove gravel deflector assembly from nose gear assembly (Fig. 1101).
 - A. Remove parts (1270 thru 1300).
 - B. Remove quick-release pin (1330).
 - C. Pull out tube assembly (1305) from nose gear axle. Move deflector assembly aft and up to clear wheels.
 - D. Remove nut, washer and bolt from lower torsion link lug of oleo. Pull out shaft (1260) and shims (1265) from lower torsion link pin. If installed, remove retaining rings (1265A) and lower torsion link pin (1265B).
 - E. Remove wheels per 32-26-11 to release spacers (1255).
2. Remove gravel deflector power control unit (Fig. 1102).
 - A. Remove hose assemblies (5, 10).
 - B. Remove parts (15 thru 40) and (85 thru 165).
 - C. To release power control unit (80), remove parts (45 thru 75). Refer to 32-26-18 for overhaul instructions for power control unit actuator.
3. Deleted

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4. Disassemble gravel deflector (Fig. 1101).

WARNING: SPRING IS UNDER A TENSION LOAD OF APPROXIMATELY 350 POUNDS.

A. Remove parts (5 thru 45) to release spring assemblies (50), using tension spring expander assembly, F80163-1, to expand spring for removal of fasteners.

B. Remove parts (85 thru 95) and remove bearings (110).

C. Remove parts (115 thru 145 and release roller support fittings (150, 155).

D. Remove parts (160 thru 190) and release leading edges (195 thru 210).

NOTE: Do not disassemble parts (215 thru 235) unless repair or replacement is necessary.

E. Remove parts (240 thru 315) and release channel assemblies (320, 325).

NOTE: Do not remove parts (330 thru 440) unless repair or replacement is necessary.

F. Remove parts (445 thru 555).

NOTE: Do not disassemble parts (465, 470, 560 thru 650), or remove parts (655 thru 670) unless repair or replacement is necessary.

G. Remove parts (675 thru 700).

NOTE: Do not disassemble parts (705 thru 1095) unless repair or replacement is necessary.

H. Remove parts (1100 thru 1115 and 1210) and release leading edge (1120).

J. Disassemble parts (1115, 1210) and release rudder seals (1130, 1135) and seal retainers (1140).

NOTE: Do not disassemble parts (1145 thru 1250) unless repair or replacement is necessary.

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INSPECTION/CHECK

1. Visual Check (See figure 1101.)

- A. Examine all metal parts for cracks, burrs, corrosion, and any other damage, using strong light and minimum of 10-power magnification.
- B. Check all threads for cross-threading and stripping.
- C. Check finished surfaces for blisters, chipping or flaking.
- D. Check hose guides (105, 145, 165, figure 1102) and rubber seals (254, 255), and hose assemblies (5, 10, figure 1102) for kinks, dents cracks and damage.
- E. Check bearings (110) for excessive axial and radial play.

2. Special Check (See figure 1101.)

- A. If visual examination discloses evidence of defects in any of listed parts, perform following checks: (Refer to 20-20-01, Magnetic Particle Inspection, and 20-20-02, Penetrant Methods of Inspection)
 - (1) Magnetic particle check -- spring (80), shaft (545), tube (695), shaft (1260), torsion link pin (1265B), tube assembly (1305).
 - (2) Fluorescent penetrant examination -- terminals (70, 75), fittings (150, 155), channel (415), fitting (420), bushings (435), bracket (470), lever (490, 495, 515, 520), fitting (575), collar (650), bracket (670), clevis (850) and supports (895, 900).
- B. Check spring assemblies (65) in accordance with figure 301.

Index No. Fig. 1101	Approximate Free Length (inches)	Test Length (inches)*	Load Limit (pounds)
65	13.30	15.00 17.90	329.5-382.0 693.0-808.5

*Dimension is measured between terminal bore centerlines.

REPAIR

1. Repair (Fig. 1101)

A. General

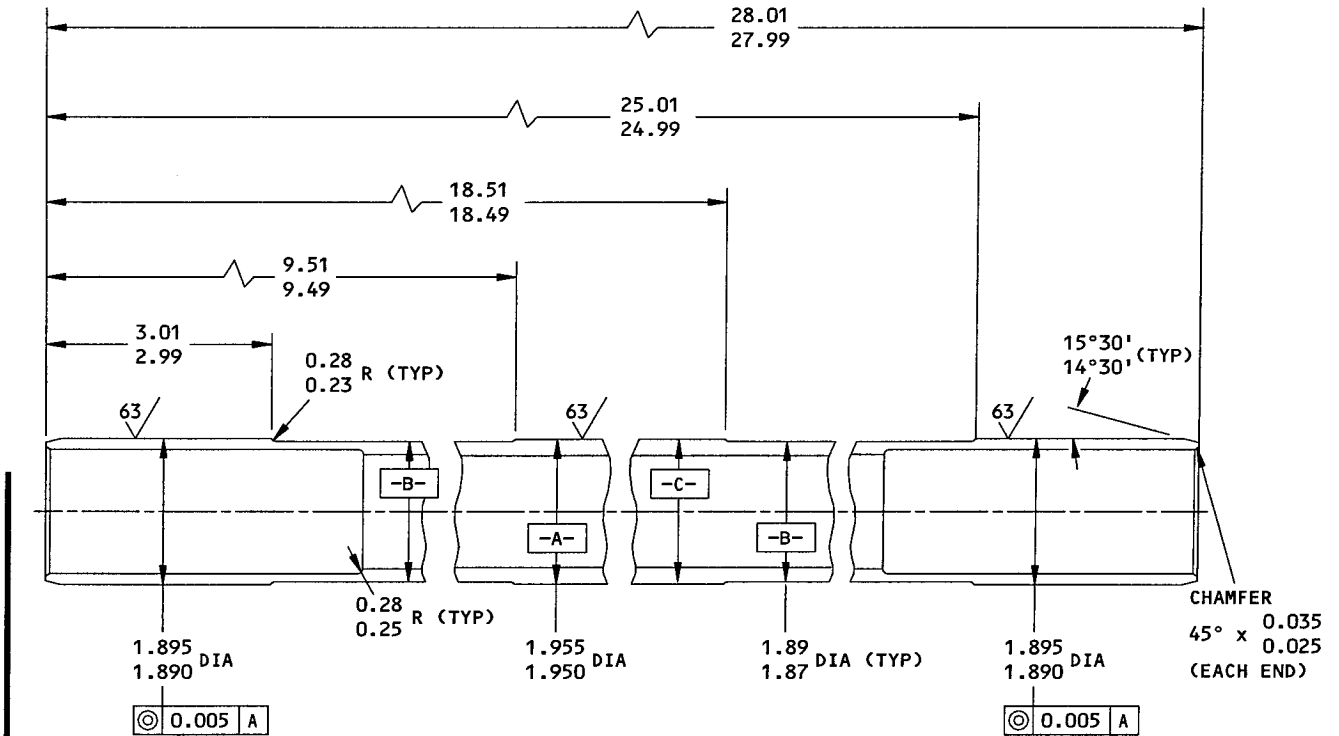
- (1) Repair small defects by standard industry practices.
- (2) Refer to SOPM 20-10-01 and 20-10-02 and CMM 32-00-05 for repair of high strength steel parts.

2. Refinish (Fig. 1101 unless shown differently)

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. Sleeves (25), terminals (70, 75), spring (80), lever (490, 495, 515, 520), spacer (1255), shaft (1260) -- Passivate (F-8.07) all over. Material: 17-4PH CRES, 180-200 ksi.
- B. Spring assembly (65) -- Apply PT201 resin coating to all surfaces, 0.0015-0.0020 inch thick. Cure coating at 300°F for 1 hour.
- C. Fitting (150, 155, 425, 430, 575), tie (225, 230, 235, 960, 965, 970, 975), channel (285, 415, 580, 630, 1005, 1010, 1060, 1095, 1200), filler (350, 355, 980), block (375), collar (650), angle (600), spacer (625), bracket (670), clevis (850), support (895, 900), strap (920), clip (1205) -- Chemical treat or chromic acid anodize and apply BMS 10-11, Type 1 primer (F-18.05). Material: Al alloy.
- D. Stop (345), fitting (745, 750) -- Passivate (F-8.07) all over then apply BMS 10-11, Type 1 primer (SRF-12.205). Material: 17-7PH CRES, 180-200 ksi.
- E. Bracket (470) -- Chromic acid anodize (F-2.20) all over. Material: Al Alloy.
- F. Shaft (545) -- Passivate (F-8.07) all over. Apply BMS 10-11, Type 1 primer (SRF-12.205) on ID only. Material: 17-4PH CRES, 180-200 ksi.
- G. Fitting (575) (65-85654-1, -2) -- Chemical treat or chromic acid anodize and apply BMS 10-11, Type 1 primer (F-18.05) but not in holes or bores. Material: Al Alloy.
- H. Tube (695) -- Fig. 401

- I. Pin (1265B) -- Chrome plate (F-15.04) OD surfaces. Cadmium-titanium plate (F-15.01) external surfaces not chrome plated. Cadmium-titanium plate (F-15.01) and apply BMS 10-11, Type 1 primer (F-20.03) on internal surfaces (cadmium-titanium plate throw-in allowed). Material: 4340M steel, 270-300 ksi.
 - J. Bracket (100, 125, Fig. 1102) -- Chromic acid anodize (F-17.02). Material: Al Alloy.
 - K. Bracket assembly (700) -- Fig. 402.
 - L. Tube assembly (1305) -- Passivate (F-8.07) all over. Apply BMS 10-11, Type 1 primer (SRF-12.206) on small OD surface only and apply corrosion preventive compound (F-1.73) on ID only. Material: 17-4PH CRES, 180-200 ksi.
 - M. Leading edge (195, 200, 205, 210, 1120), filler (270, 275, 280, 1170), plate (925, 1030, 1150), angle (1000), strap (1070, 1080), retainer (1140) -- Chemical treat or chromic acid anodize and apply BMS 10-11, Type 1 primer (SRF-2.30) all over. Material: Al Alloy.
3. Replacement (Fig. 1101)
- A. Replace all cotter pins.
 - B. Replace all unserviceable or irreparable parts.
 - C. Bearings (55, 60) -- Install replacements by the method for sintered bearings (SOPM 20-50-03).
 - D. Bushings (435, 465) -- Install replacement bushings by the shrink fit method (SOPM 20-50-03) with MIL-C-11796, class 3 corrosion preventive compound as the installation finish.
 - E. Bushing (845) -- Install a replacement bushing by the shrink fit method (SOPM 20-50-03).
 - F. Lube fittings (100, 440, 575D) -- Install replacement lube fittings per CMM 32-00-03.



REFINISH

PASSIVATE (F-17.25, WHICH REPLACES F-17.09) ALL OVER. APPLY BMS 10-11, TYPE 1 PRIMER (F-12.205) ON -B- DIAMETERS. APPLY MIL-C-11796 CLASS 1 CORROSION PREVENTIVE COMPOUND (F-1.73) TO INTERIOR DIA -C-.

REPAIR

(SAME AS REFINISH)

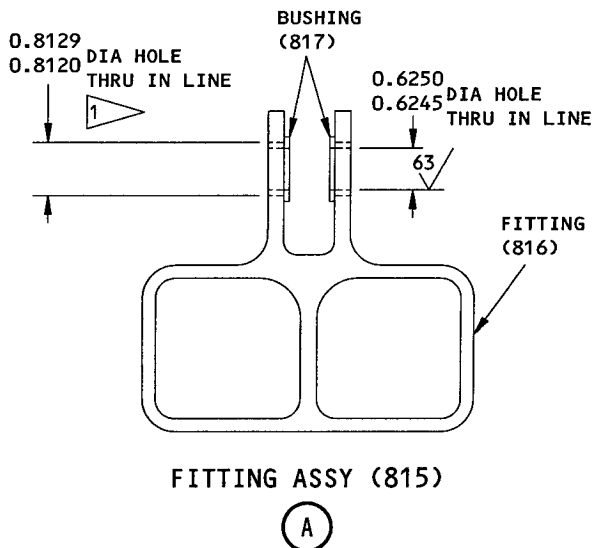
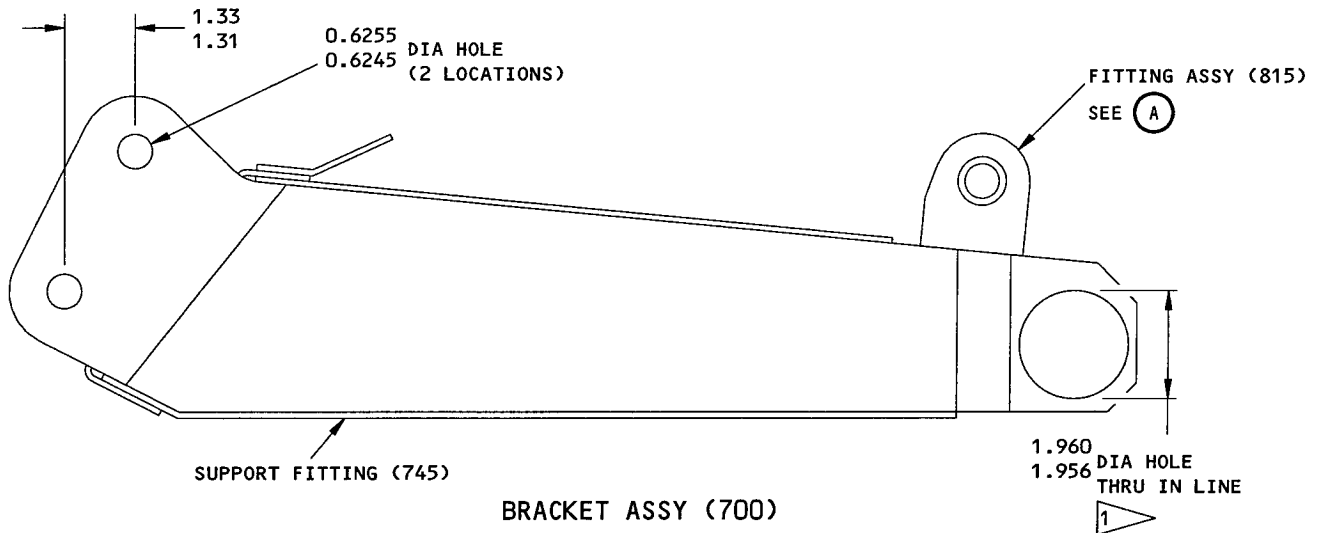
125/ ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

MATERIAL: 17-7PH OR 17-4PH CRES,
180-200 KSI

ALL DIMENSIONS ARE IN INCHES.

TUBE (695, FIG. 1101)

Tube Repair and Refinish
Figure 401



REFINISH

APPLY BMS 10-11, TYPE 1 PRIMER (SRF-12.205) AND BMS 10-11, TYPE 2 ENAMEL (SRF-12.63) BUT NOT ON MATING SURFACES

1 NO FINISH IN HOLE

REPAIR

(SAME AS REFINISH)

125/ ALL MACHINED SURFACES UNLESS SHOWN DIFFERENTLY

ALL DIMENSIONS ARE IN INCHES.

65-82752-1

Center Bracket Assembly Refinish
Figure 402

ASSEMBLY

1. Assemble gravel deflector (Fig. 1101).

- A. Install rubber seals (1130, 1135) and seal retainers (1140) on skid assembly (1125) with bolts and nuts (1115, 1210).
- B. Attach leading edge (1120) on skid assembly (1125) with bolts (1110, 1115), washers (1105) and nuts (1210, 1100).
- C. Attach collar (650) to channel (580) using bolt (645), washer (640) and unit (635).
- D. Attach channel (630) and spacer (625) to angle (600) using bolt (620), washer (615) and nut (610).
- E. Attach pad (605) to angle (625) using bolts (595), washers (590) and units (585).
- F. Attach channel (630) with assembled parts and fitting (575) to channel (580) using bolts (570), washers (565) and nuts (560).

NOTE: For assemblies 67-76611-43, tighten bolts (570) finger-tight only. These bolts will be tightened on installation of gravel deflector when required adjustment to length of side strut assy is made.

- G. Install channel assemblies (285), spacers (280) and fillers (275, 270) on channel assemblies (325, 320) with bolts (265, 260), washers (255, 250) and nuts (245, 240).
- H. Attach leading edges (210 thru 195) on skid assembly (1125). Secure with bolts (190, 175, 170), washers (185, 165) and nuts (180, 160).
- I. Attach roller support fittings (155, 150) and shims (145) on channel assemblies (325, 320) with bolts (140, 125), washers (135, 125) and nuts (130, 115).
- J. Position bearings (110) in roller support fittings (155, 150). Secure with bolt assemblies (95), washers (90) and nuts (85).
- K. Insert sleeves (25) in terminals (75). Position spring assemblies (50) on levers (490, 495, 515, 520) and bracket assemblies (460), using tension spring expander assembly, F80163-1, to expand spring for bolt installation. Secure with fasteners (45 thru 30, 20 thru 5).

NOTE: Spring assemblies (50) may be left disconnected at brackets (460), and attached during installation of gravel deflector on nose gear. In which case, install fasteners (45, 40, 35, 20, 15, 10) finger-tight and secure with cotter pins (30, 5).

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L. If required, touch up gravel deflector with EMS 10-11, type 2, enamel, except on springs (80) and bearings (110).

| 2. Install hydraulic power control unit (Fig. 1102).

A. Attach hose guides (165, 145) to center bracket assembly (700, Fig. 1101) using screws (160, 140), washers (155, 135) and nuts (150, 130).

B. Attach bracket (125) to hose guide (105) using bolts (120), washers (115) and nuts (110).

C. Place hose guide (105) and attached parts over rod of power control unit (80). Attach bracket (100) to hose guide (105) using bolts (95), washers (90) and nuts (85).

D. Attach power control unit (80) to clevis assembly (840, Fig. 1101) using bolt (75), washer (70) and nut (65). Do not tighten nut at this time.

E. Insert bushings (55) into brackets (125, 100), and, with power control unit (80) attach to lugs of center bracket (700, Fig. 1101) using bolt (60), washer (50) and nut (45).

F. Tighten nuts (65, 45) to 300-350 lb-in.

Install elbows (40, 25) on center bracket assembly (700, Fig. 1101). Secure with washers (35, 20) and nuts (30, 15).

H. Install hose assemblies (10, 5).

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3. If applicable, install gravel deflector with attached parts to nose gear assembly (Fig. 1101).
 - A. Slide spacers (1255) on nose gear axle.
 - B. If used, install torsion link pin (1265B), and secure with retaining rings (1265A).
 - C. Insert shaft (1260) into lower torsion link pin (1265B) using shims (1265) to reduce play between pin and shaft to 0.005 inch maximum. Keep shims clear of center bolt, NAS1105-30.
 - D. Install nose gear wheels per 32-26-11. Position gravel deflector on nose gear assembly and aligning bores in center bracket assembly (700, Fig. 1101) with those in spacers (1255) and in shaft (1260) install bolts (1285, 1290), washers (1275, 1280, 1295, 1300) and nuts (1270).
 - E. Insert tube assembly (1305) through side brace fittings (550, Fig. 1101) and nose gear axle. Secure with quick-release pin (1330). If a new side brace fitting (550, 65-85655-5) is used, drill 0.250-0.254-diameter hole thru side brace fitting in line to match hole in tube assy (1305, 69-61206-3).
 - F. Tighten side brace assembly bolts (570).
 - G. Secure lower torsion link pin and inserted shaft (1260) with NAS1105-30 bolt, AN960-516 washer and BACN10JC5 nut.
 - H. Secure bolts (1285) to lugs of center bracket assembly (700, Fig. 1101) with lockwire.
 - I. If used, install lower torsion link pin (1265B) and secure with retainers (1265A).
 - J. Attach springs (50) to brackets (460) using bolts (45), washers (40), nuts (35) and cotter pins (30).

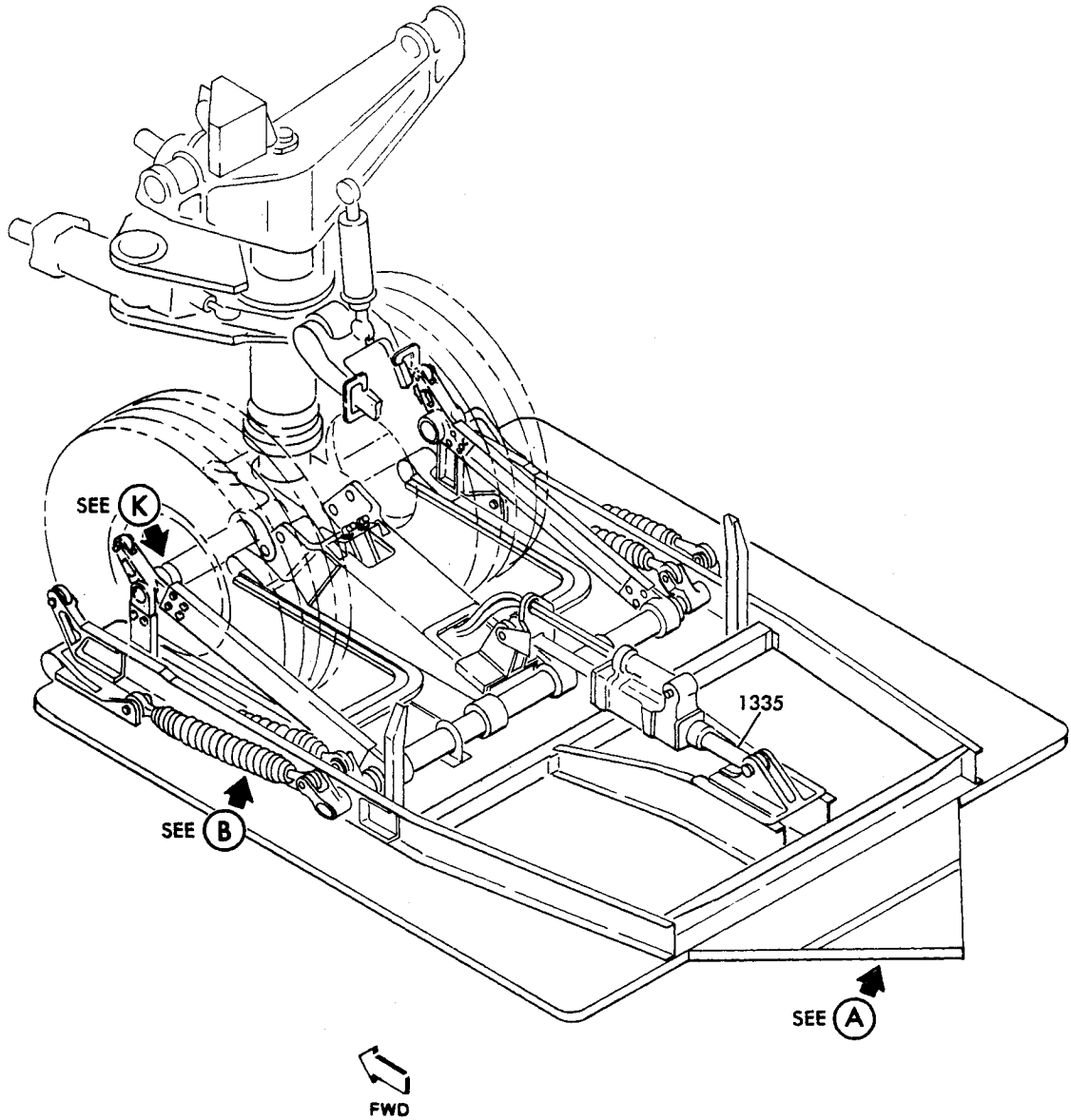
65-76611

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SPECIAL TOOLS, FIXTURES AND EQUIPMENT

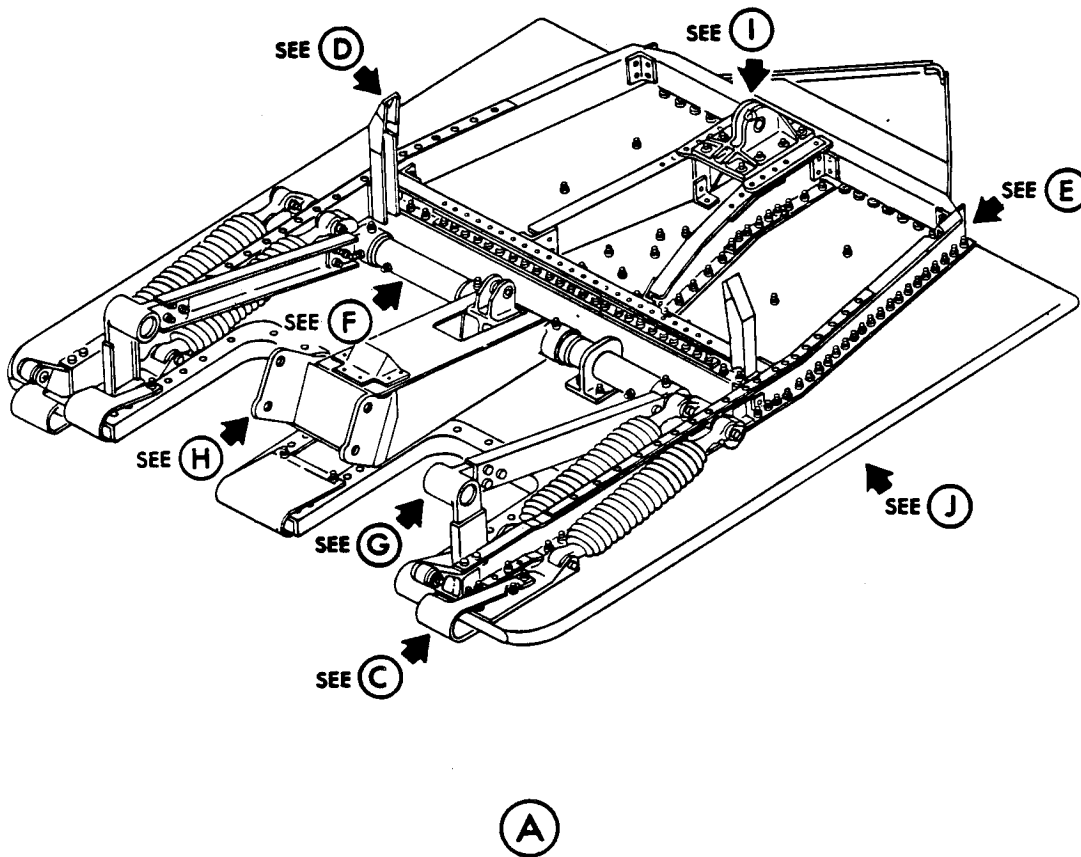
NOTE: Equivalent substitutes may be used for listed items.

1. F80163-1 -- Tension Spring Expander Assembly

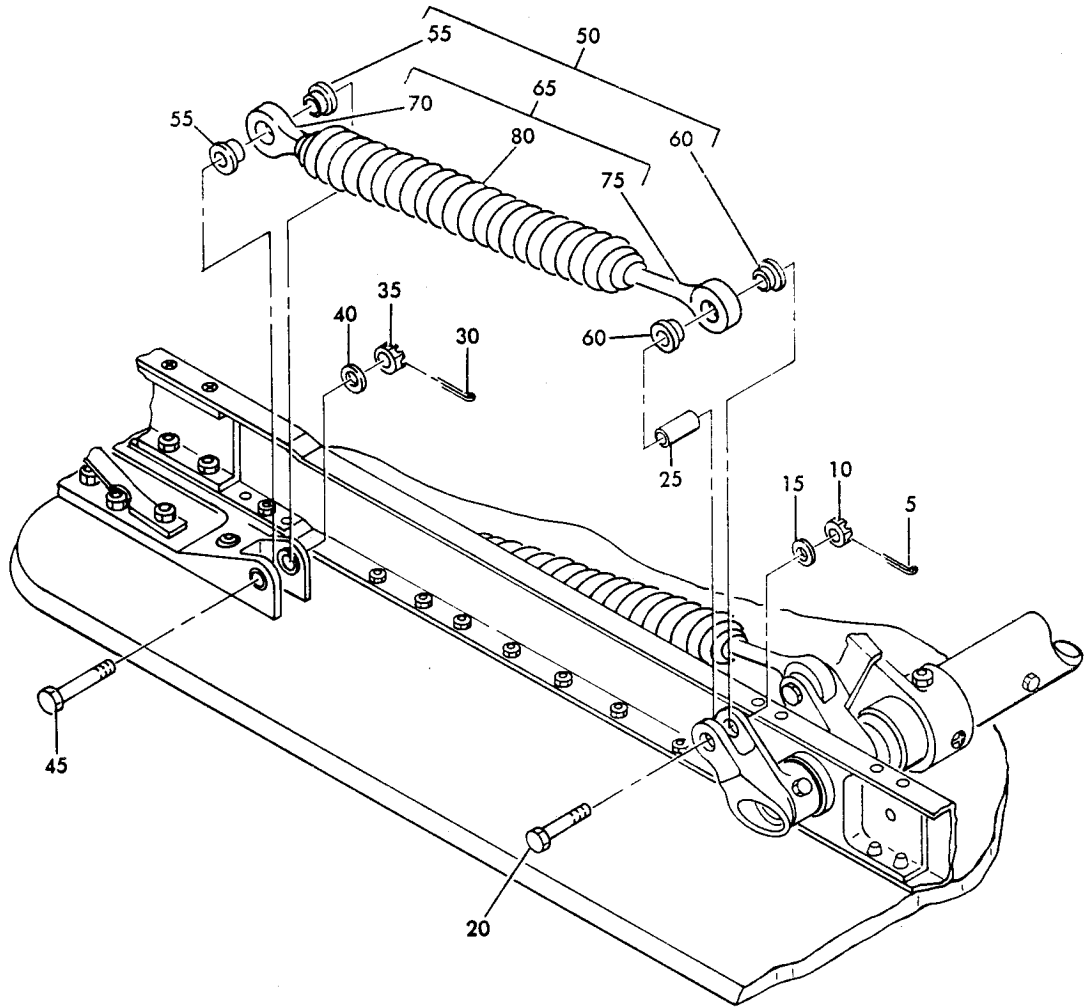


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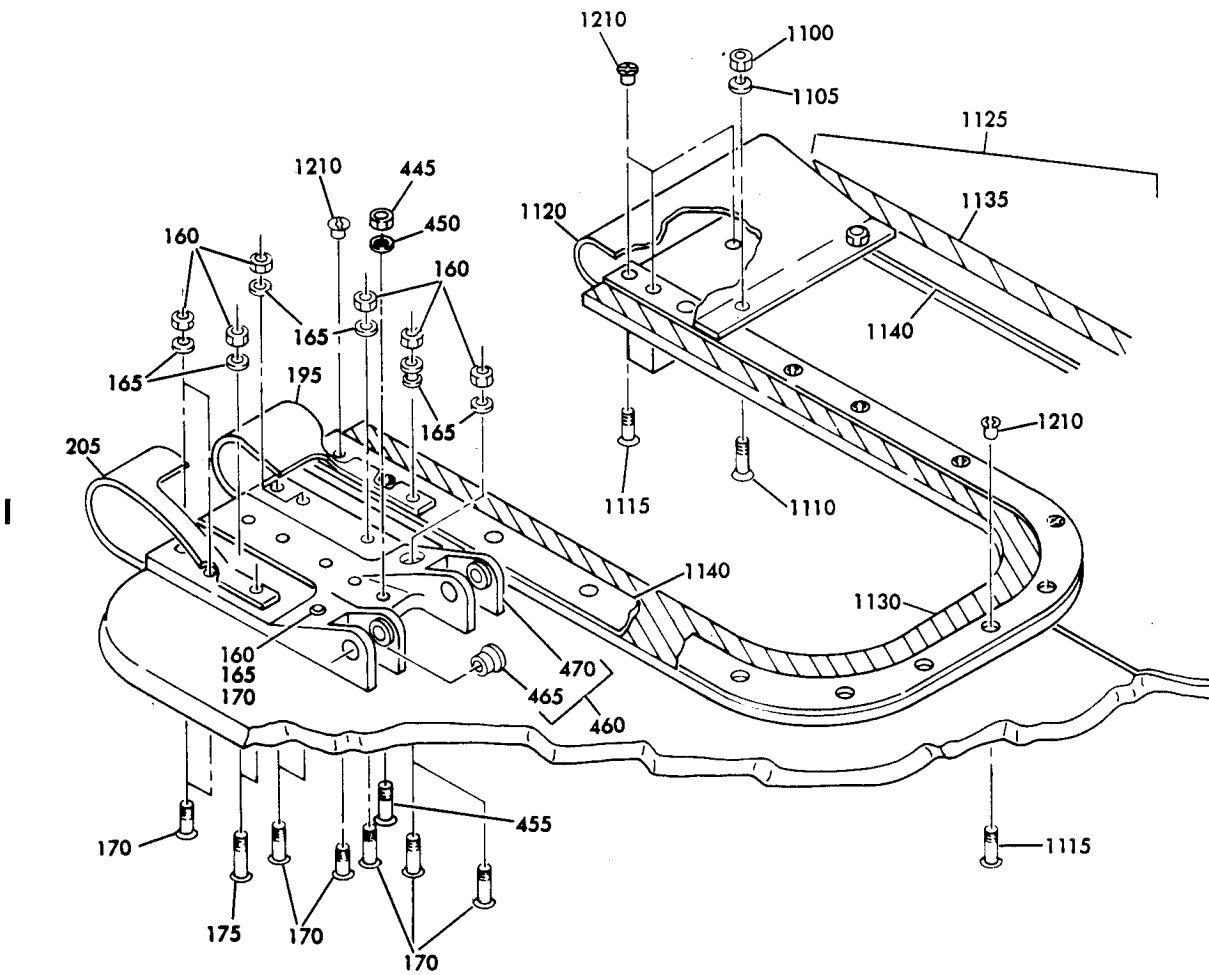
65-76611
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(SEE PAGE 1)



Nose Gear Gravel Deflector Assembly
Figure 1101 (Sheet 2)

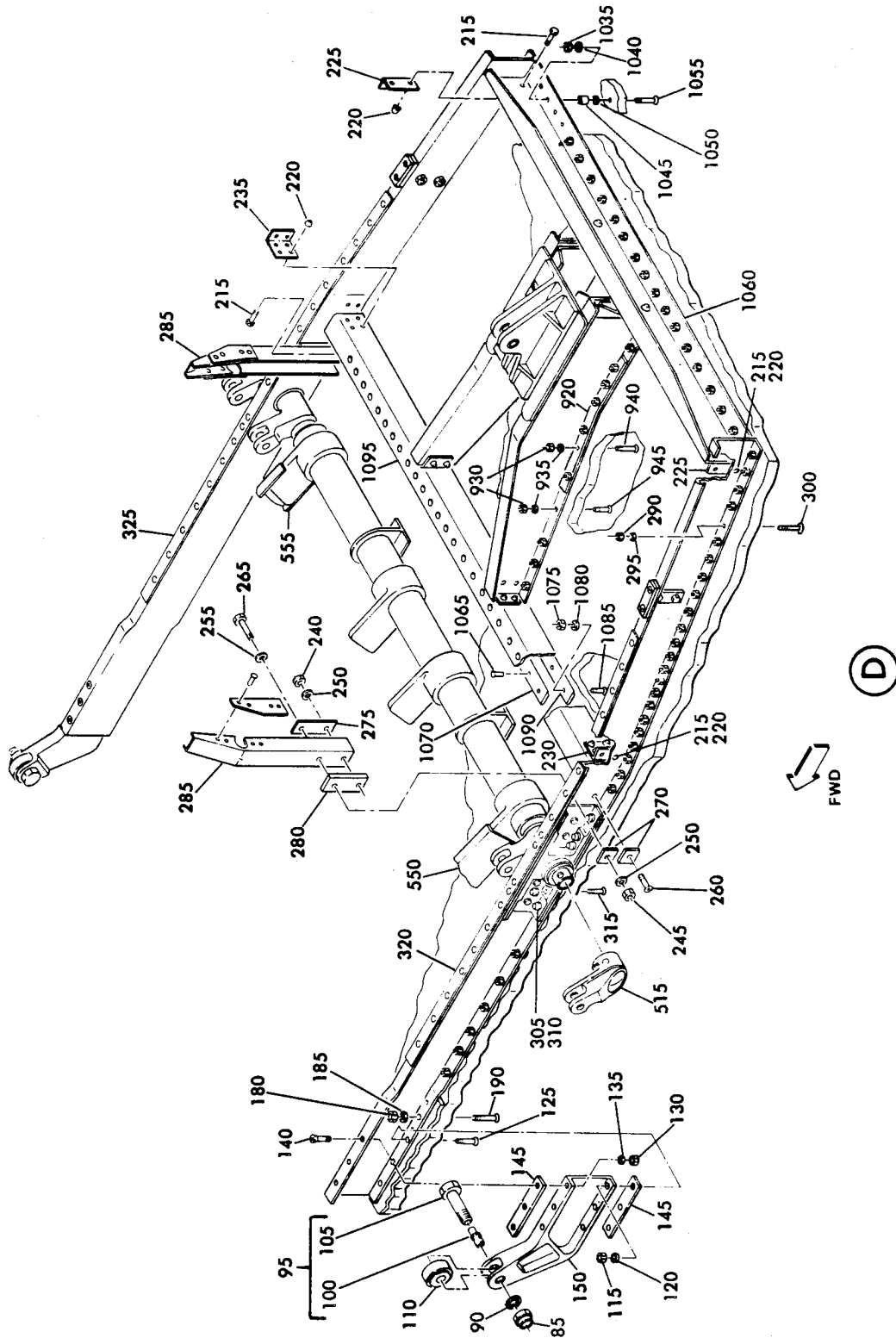


(B)



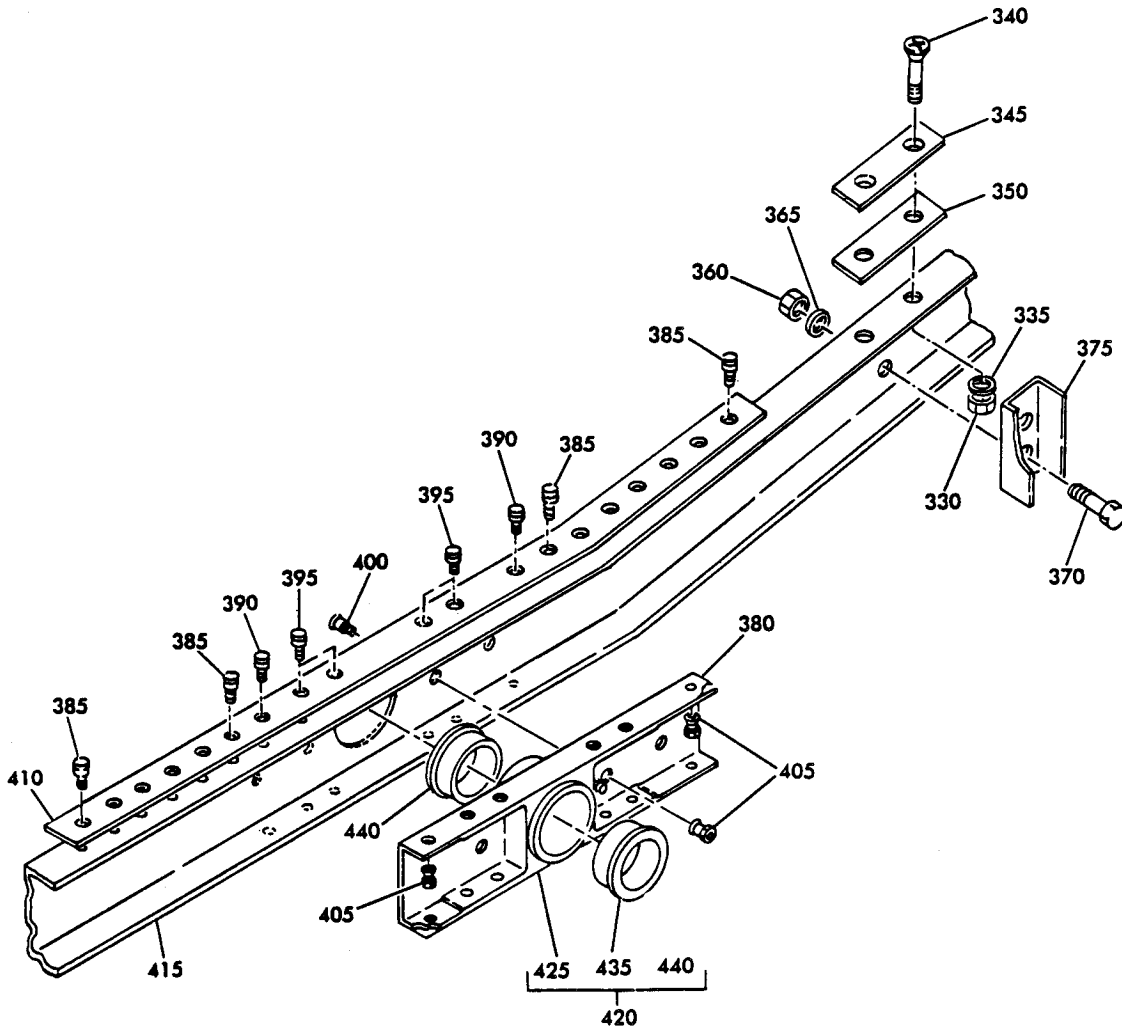
(C)

Nose Gear Gravel Deflector Assembly
Figure 1101 (Sheet 4)



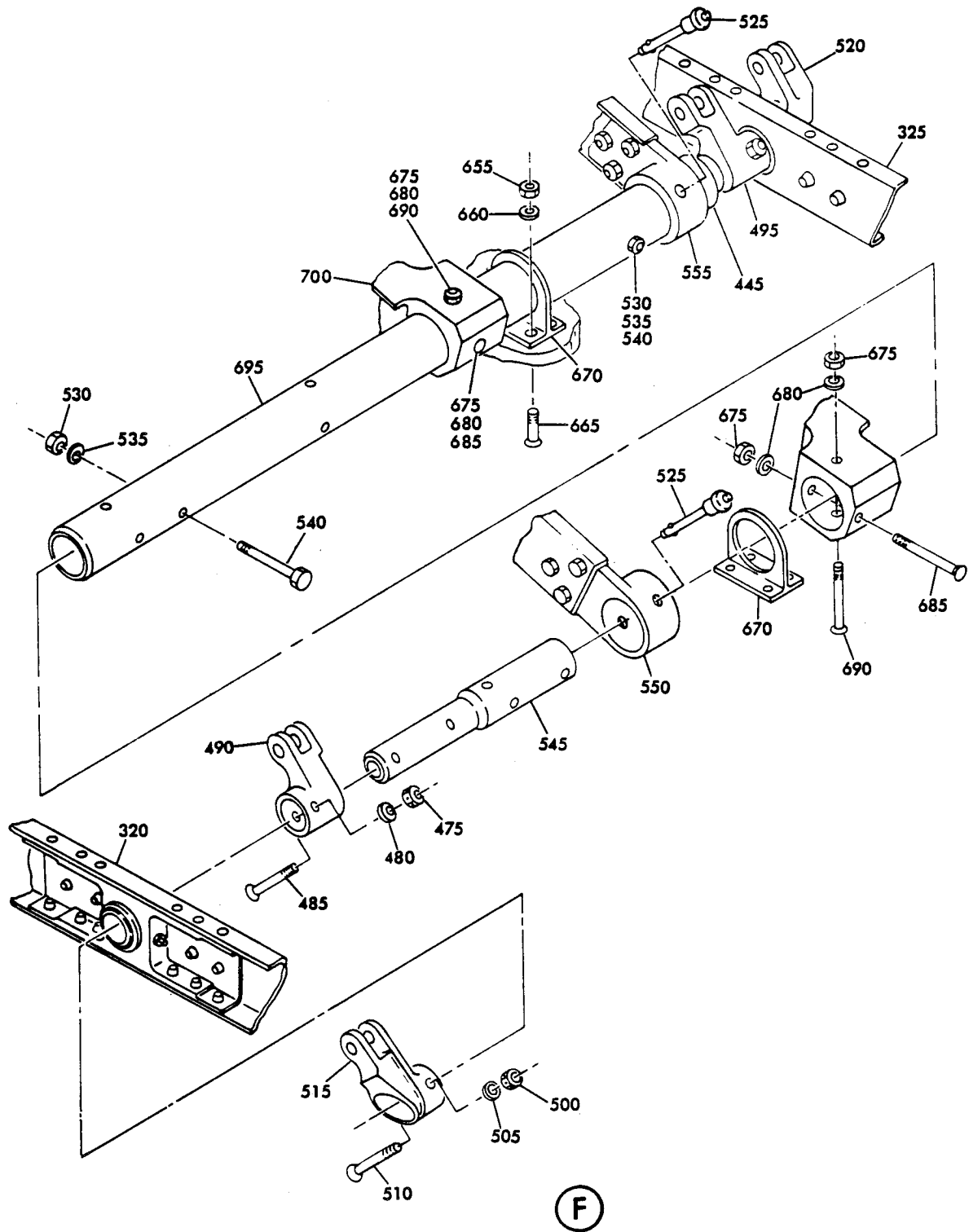
Nose Gear Gravel Deflector Assembly
Figure 1101 (Sheet 5)

Jun 10/72

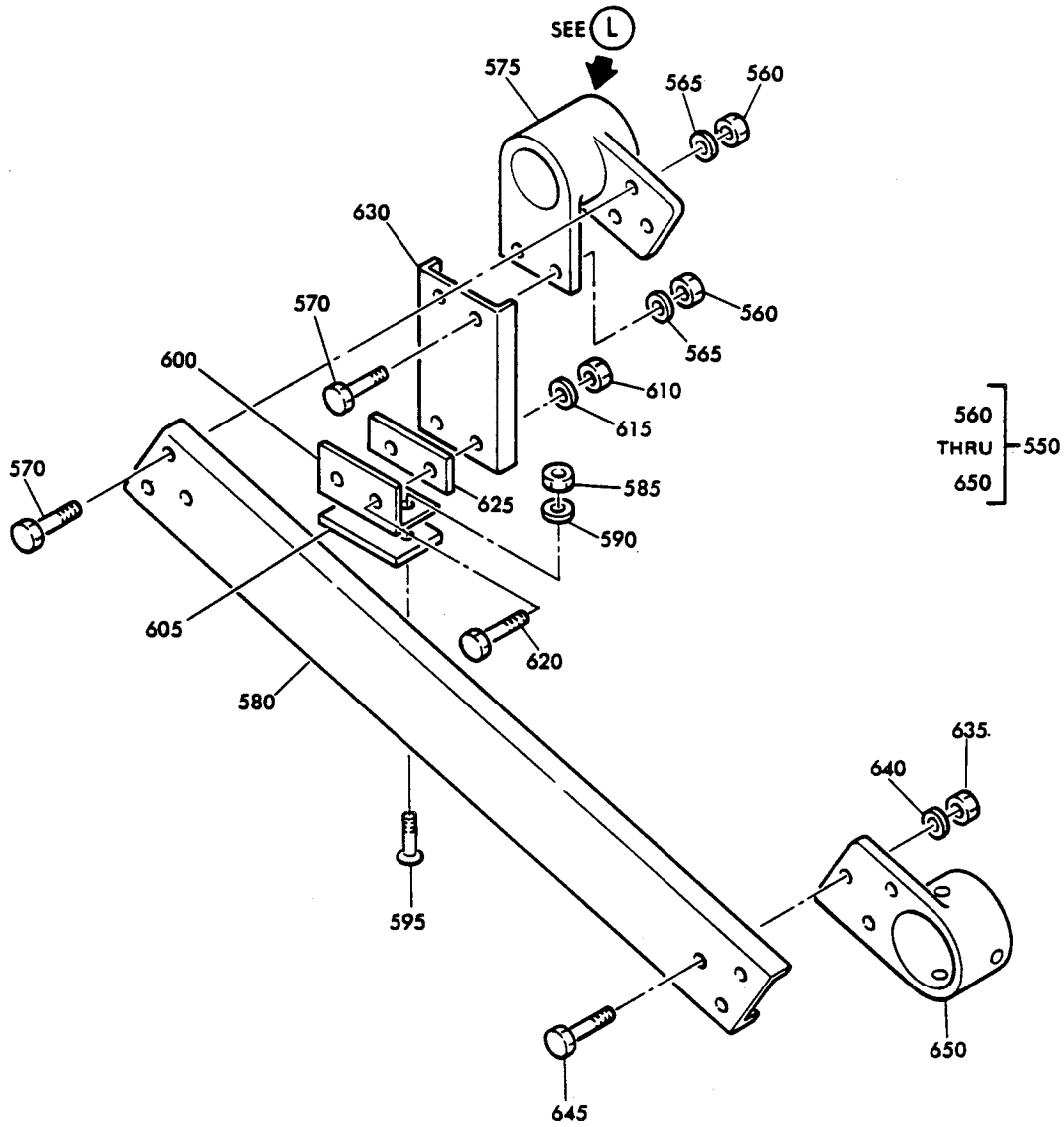


(E)

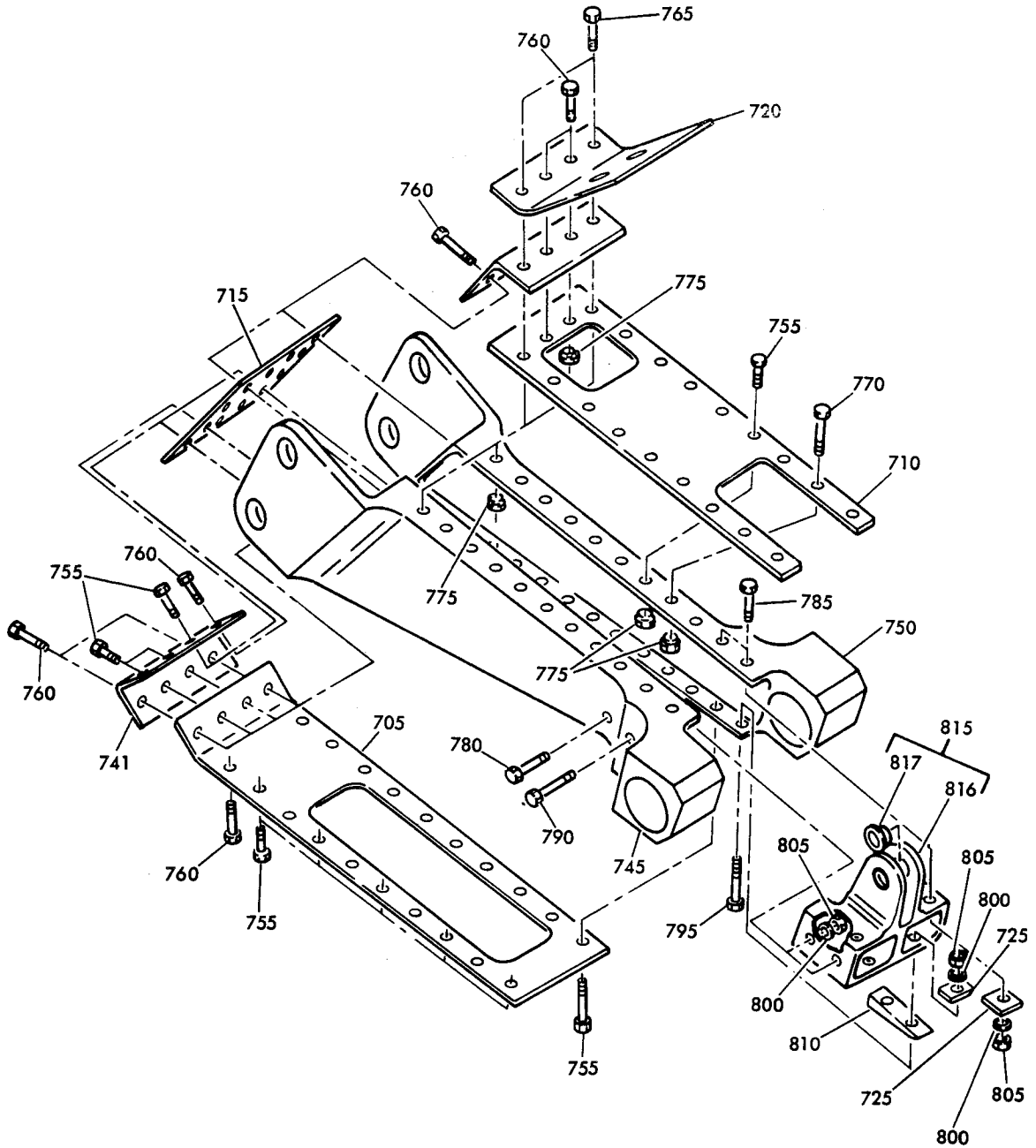
Nose Gear Gravel Deflector Assembly
Figure 1101 (Sheet 6)



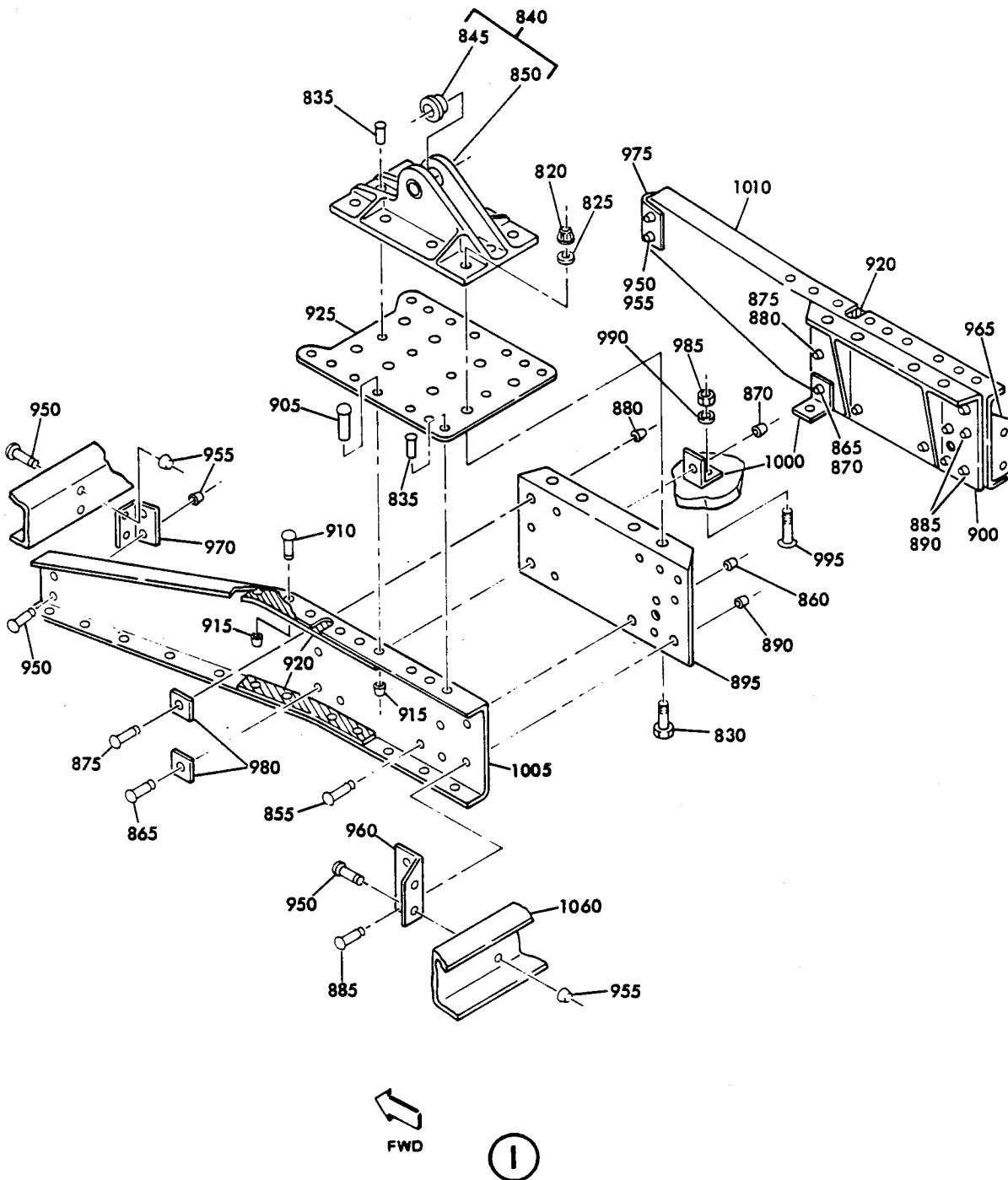
Nose Gear Gravel Deflector Assembly
Figure 1101 (Sheet 7)



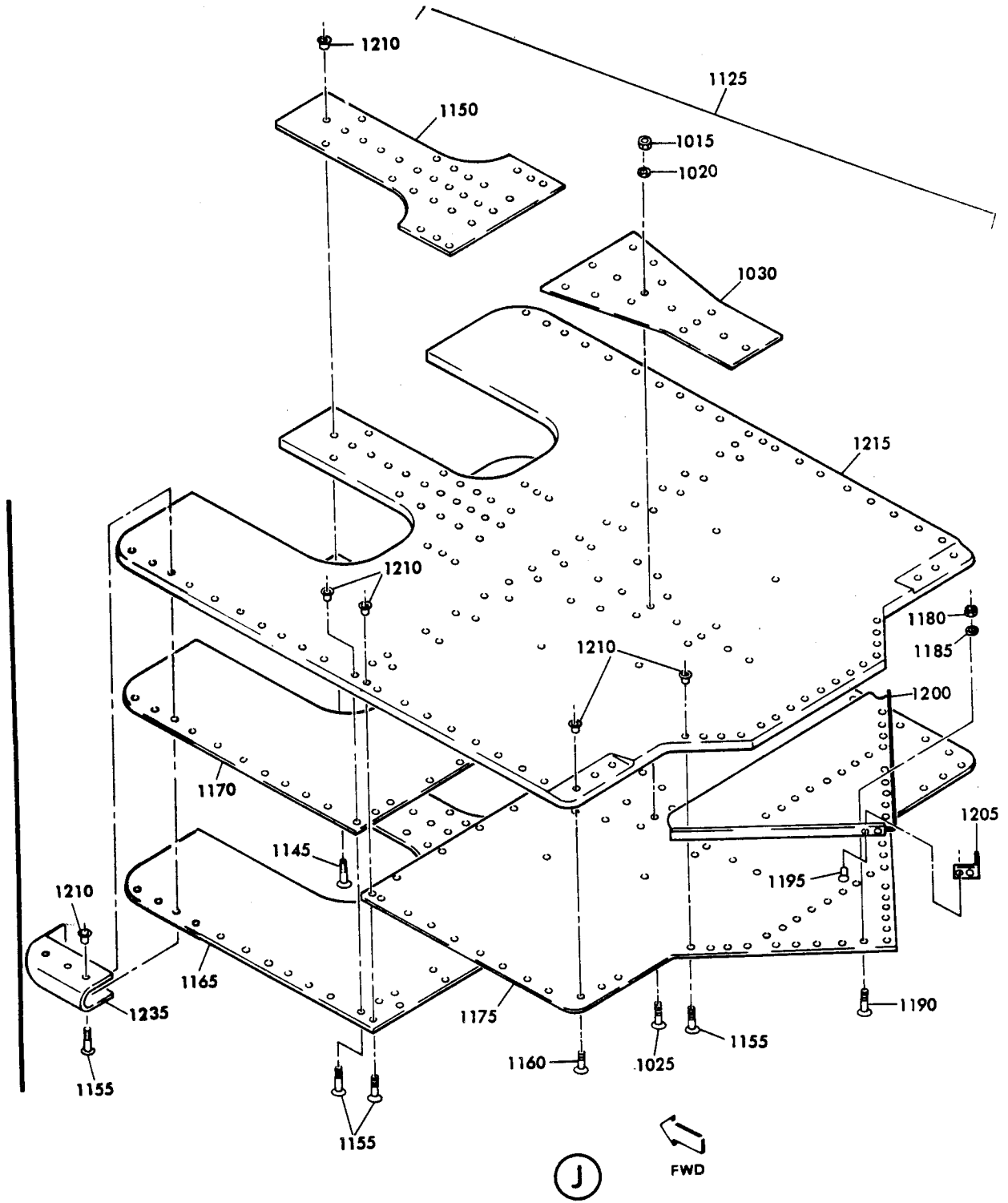
Nose Gear Gravel Deflector Assembly
Figure 1101 (Sheet 8)



(H)

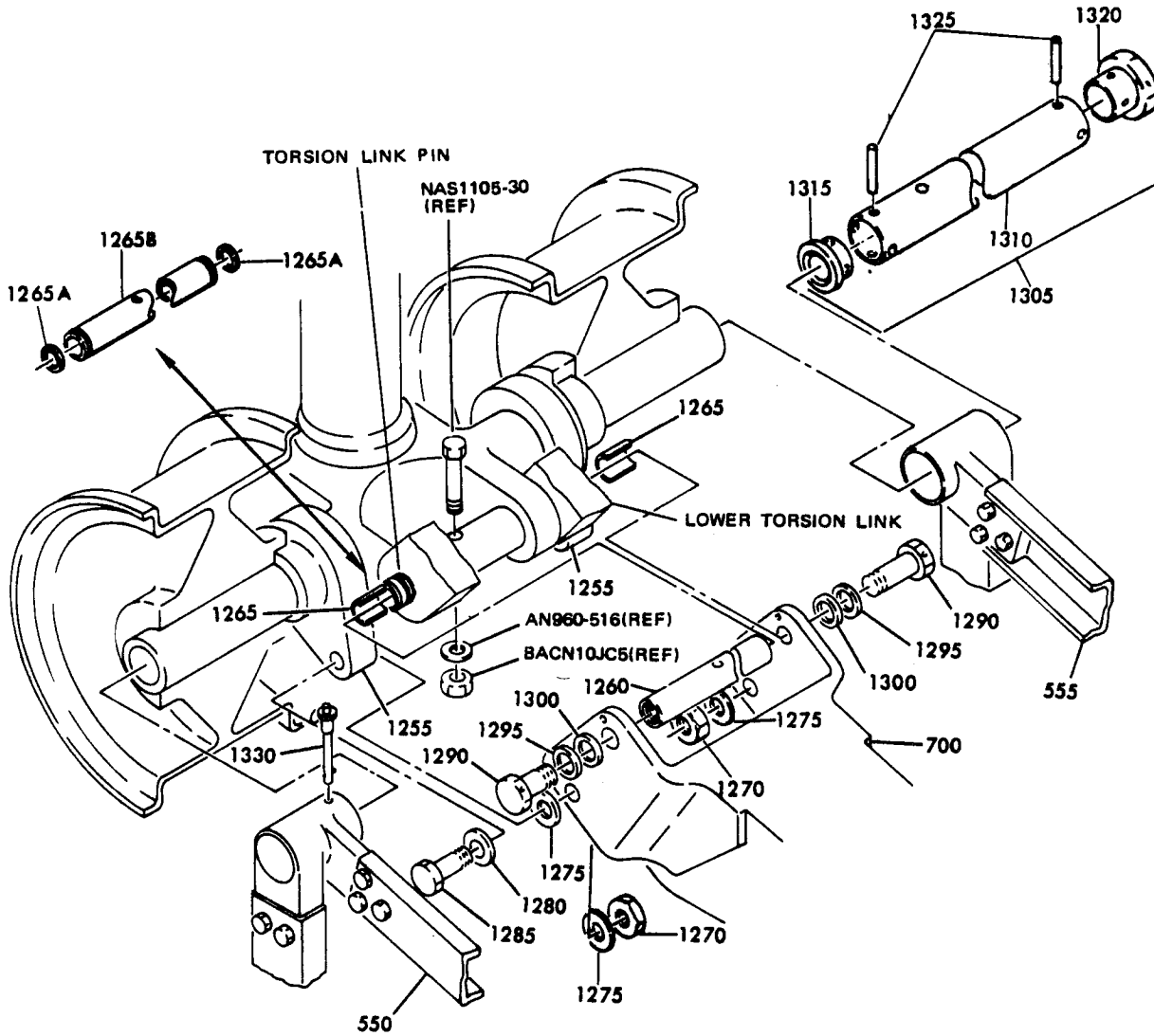


Nose Gear Gravel Deflector Assembly
Figure 1101 (Sheet 10)



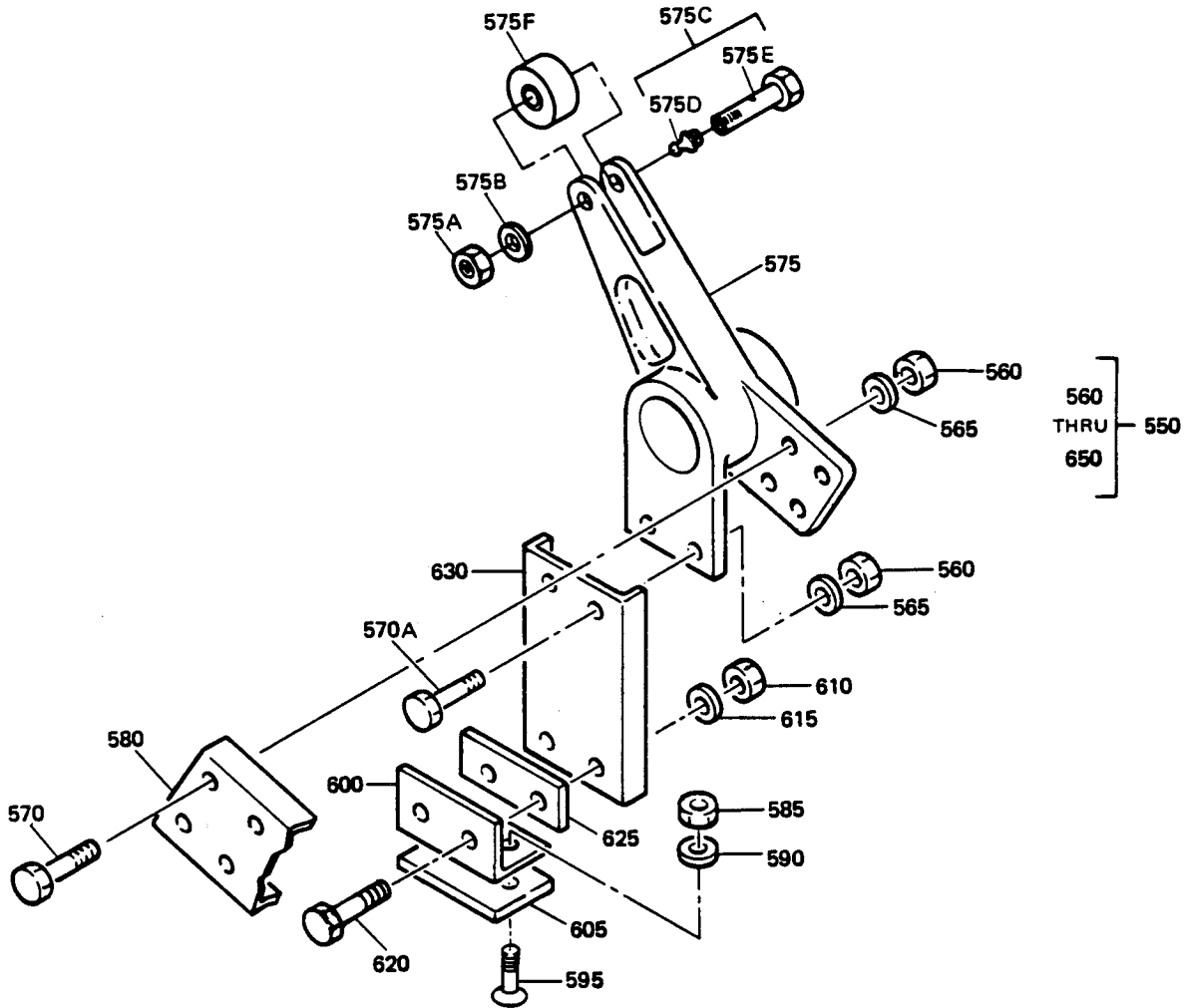
Nose Gear Gravel Deflector Assembly
Figure 1101 (Sheet 11)

Mar 25/75



(K)

Nose Gear Gravel Deflector Assembly
Figure 1101 (Sheet 12)



65-85655-1, -5



Nose Gear Gravel Deflector Assembly
 Figure 1101 (Sheet 13)

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE							USE CODE	QTY PER ASSY
			1	2	3	4	5	6	7		
1101-	65-76611-28		GRAVEL DEFLECTOR ASSY, NOSE GEAR							A	RF
	65-76611-43		GRAVEL DEFLECTOR ASSY, NOSE GEAR							B	RF
			* [3]								
			(POST SB 32-1396) (POST SB 32-1400) * [3]								
5	MS24665-153		. PIN, COTTER								4
10	AN320-4		. NUT, CASTELLATED								4
15	AN960C416L		. WASHER								4
20	BACB30LJ4DU22		. BOLT								4
25	69-60119-1		. SLEEVE								4
30	MS24665-153		. PIN, COTTER								4
35	AN320C5		. NUT								4
40	AN960C516L		. WASHER								4
45	BACB30LJ5DU30		. BOLT								4
50	69-60089-1		. SPRING ASSY								4
55	BACB10D15F		. . BEARING, SINTERED								2
60	BACB10D31F		. . BEARING, SINTERED								2
65	69-60089-2		. . SPRING ASSY								1
70	69-60088-1		. . . TERMINAL								1
75	69-60088-2		. . . TERMINAL								1
80	69-60089-3		. . . SPRING								1
85	NAS679A6		. NUT								2
90	AN960D616		. WASHER								2
95	69-60109-1		. BOLT ASSY								2
100	1645B		. . FITTING, LUBRICATOR, V95879								1
105	69-60109-2		. . BOLT								1
110	BACB10B262RS		. BEARING								2
115	NAS679A4W		. NUT								6
120	AN960D416		. WASHER								6
125	BACB30LU4-25		. BOLT								6
130	NAS679A4W		. NUT								6
135	AN960D416		. WASHER								6
140	NAS1304-7		. BOLT								6
145	BACS40R8E30F		. SHIM, LAMINATED								AR
150	69-63559-1		. FITTING, ROLLER SUPPORT, LH								1
155	69-63559-2		. FITTING, ROLLER SUPPORT, RH								1
160	NAS679A3		. NUT								16
165	AN960D10		. WASHER								16
170	BACB30LU3-14		. BOLT								14
175	BACB30LU3-17		. BOLT								2
180	NAS679A4		. NUT								2
185	AN960D416		. WASHER								2
190	BACB30LU4-16		. BOLT								2
195	65-76611-17		. EDGE, LEADING, LH								1
200	65-76611-18		. EDGE, LEADING, RH								1
205	65-76611-37		. EDGE, LEADING, LH								1

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65-76611
DASH NUMBERS LIMITED

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	N O M E N C L A T U R E							USE CODE	QTY PER ASSY
			1	2	3	4	5	6	7		
1101											
210	65-76611-38										1
215	BACB30FM6-3										20
220	BACC30M6										20
225	65-76667-9										2
230	65-76667-15										1
235	65-76667-16										1
240	NAS679A4										2
245	BACN10GW4										2
250	AN960D416										4
255	MS20002C4										2
260	BACB30LU4-13										2
265	BACB30FD4-15										2
270	65-76611-39										4
275	65-76611-15										2
280	65-76611-14										2
285	69-60120-1										2
290	BACN10JC4										58
295	AN960D416										58
300	BACB30LU4-14										58
305	NAS679A4W										12
310	AN960D416										12
315	BACB30LU4-17										12
320	65-76658-9										1
325	65-76658-10										1
330	NAS679A3										2
335	AN960D10										2
340	BACB30LU3-6										2
345	65-76658-5										1
350	65-76658-6										AR
355	65-76658-7										AR
360	NAS679A3										2
365	AN960D10										2
370	NAS1303-10										2
375	65-76658-8										1
380	BAGS40R8C60F										AR
385	BACB30FM6-4										13
390	BACB30FM6-5										2
395	BACB30FM6-6										4
400	BACB30FN6A4										4
405	BACC30M6										23
410	65-76658-13										1
410	65-76658-14										1
415	65-76658-11										1
415	65-76658-12										1

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	N O M E N C L A T U R E							USE CODE	QTY PER ASSY
			1	2	3	4	5	6	7		
1101-											
420	69-63560-1		.	.	FITTING ASSY, HINGE, LH						1
420	69-63560-2		.	.	FITTING ASSY, HINGE, RH						1
425	69-63560-3		.	.	FITTING, LH						1
430	69-63560-4		.	.	FITTING, RH						1
435	BACB10D75F		.	.	BUSHING						2
435	69-60125-3		.	.	BUSHING (OPT)						2
440	1992B1		.	.	FITTING, GREASE						1
445	BACN10JC4		.		NUT (REPLS NAS679A4)						4
450	AN960D416		.		WASHER						4
455	BACB30LU4-16		.		BOLT						4
460	69-60087-3		.		BRACKET ASSY (REPLS 69-60087-1 PER SB 32-1078)						2
460	69-60087-1		.		BRACKET ASSY (REPLD BY 69-60087-3)						2
465	65-46150-62		.		BUSHING						4
470	69-60087-2		.		BRACKET (USED ON 69-60087-1)						1
470	69-60087-4		.		BRACKET (USED ON 69-60087-3)						1
475	BACN10JC4		.		NUT (REPLS NAS679A4W)						2
480	AN960C416		.		WASHER						2
485	BACB30LJ4U24		.		BOLT						2
490	69-60118-1		.		LEVER, LH						1
495	69-60118-2		.		LEVER, RH						1
500	BACN10JC4		.		NUT (REPLS NAS679A4W)						2
505	AN960C416		.		WASHER						2
510	BACB30LJ4U28		.		BOLT						2
515	69-60117-1		.		LEVER, LH						1
520	69-60117-2		.		LEVER, RH						1
525	BACP18AM4B23 HC		.		PIN, QUICK RELEASE						2
530	NAS679A4		.		NUT						2
535	AN960C416		.		WASHER						2
540	BACB30LJ4U31		.		BOLT						2
545	69-60097-1		.		SHAFT						2
550	65-46261-1		.		BRACE ASSY, SIDE, LH				A		1
550	65-85655-1		.		BRACE ASSY, SIDE, LH (SB 32-1067)				A		1
550	65-85655-5		.		BRACE ASSY, SIDE, LH				B		1
555	65-46261-2		.		BRACE ASSY, SIDE, RH				A		1
555	65-85655-2		.		BRACE ASSY, SIDE, RH (SB 32-1067)				A		1
555	65-85655-6		.		BRACE ASSY, SIDE, RH				B		1
560	BACN10JC4		.		NUT (REPLS NAS679A4W)*[1]						5
560	BACN10JC4		.		NUT *[2]						6
565	AN960C416L		.		WASHER *[1]						5
565	AN960C416L		.		WASHER *[2]						6
570	NAS1104-10		.		BOLT *[1]						5
570	BACN30NF4-11		.		BOLT *[2]						4

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	N O M E N C L A T U R E						USE CODE	QTY PER ASSY	
			1	2	3	4	5	6			7
1101-570A	BACB30NF4-10		.	.	B	O	L	T	*	[	2
575	69-60104-1		.	.	F	I	T	T	I	N	G
575	69-60104-2		.	.	F	I	T	T	I	N	G
575	65-85654-1		.	.	F	I	T	T	I	N	G
575	65-85654-2		.	.	F	I	T	T	I	N	G
575	65-85654-3		.	.	F	I	T	T	I	N	G
575	65-85654-4		.	.	F	I	T	T	I	N	G
575A	BACN10JC8		.	.	N	U	T	*	[	2	
575B	AN960C816L		.	.	W	A	S	H	E	R	
575C	69-64167-1		.	.	B	O	L	T	A	S	S
575D	1645B		.	.	.	F	I	T	T	I	N
575E	69-64167-2		.	.	.	B	O	L	T		
575F	BACB10BN08CP		.	.	B	E	A	R	I	N	G
575F	BACB10B258RS		.	.	R	O	L	L	E	R	
580	65-46261-3		.	.	C	H	A	N	N	E	L
580	65-85655-3		.	.	C	H	A	N	N	E	L
585	BACN10JC3		.	.	N	U	T	(	R	E	P
590	AN960C10		.	.	W	A	S	H	E	R	
595	BACB30LH3U6		.	.	B	O	L	T			
600	65-46261-5		.	.	A	N	G	L	E		
605	65-46261-7		.	.	P	A	D				
610	BACN10JC3		.	.	N	U	T	(	R	E	P
615	AN960C10L		.	.	W	A	S	H	E	R	
620	NAS1103-5		.	.	B	O	L	*	[	1	
620	BACB30NF3-5		.	.	B	O	L	*	[	2	
625	65-46261-6		.	.	S	P	A	C	E	R	
630	65-46261-4		.	.	C	H	A	N	N	E	L
635	BACN10JC4		.	.	N	U	T	(	R	E	P
640	AN960C416		.	.	W	A	S	H	E	R	
645	NAS1104-7		.	.	B	O	L	*	[	1	
645	BACB30NF4-7		.	.	B	O	L	*	[	2	
650	69-60092-1		.	.	C	O	L	L	A	R	
655	NAS679A4		.	.	N	U	T				
660	AN960D416L		.	.	W	A	S	H	E	R	
665	BACB30LU4-19		.	.	B	O	L	T			
670	69-60115-2		.	.	B	R	A	C	K	E	T
675	BACN10JC4		.	.	N	U	T	(	R	E	P
680	AN960C416		.	.	W	A	S	H	E	R	
685	BACB30LH4U38		.	.	B	O	L	T			
690	BACB30LH4U44		.	.	B	O	L	T			

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE							USE CODE	QTY PER ASSY
			1	2	3	4	5	6	7		
1101											
695	69-60091-1		.								1
700	65-82752-1		.								
705	65-82752-2		.	.							1
710	65-82752-3		.	.							1
715	65-82752-4		.	.							1
720	65-82752-5		.	.							1
725	65-82752-6		.	.							4
730	65-82752-7		.	.							1
735	65-82752-8		.	.							1
740	65-82752-9		.	.							1
741	65-82752-10		.	.							1
745	65-82753-1		.	.							1
750	65-82753-2		.	.							1
755	BACB30FM6-4		.	.							22
760	BACB30FM6-6		.	.							10
765	BACB30FM6-8		.	.							2
770	BACB30FN6A4		.	.							6
775	BACC30M6		.	.							40
780	BACB30NF5-5		.	.							2
785	BACB30NF5-7		.	.							4
790	BACB30NF5-9		.	.							2
795	BACB30NF5-11		.	.							2
800	AN960PD516		.	.							10
805	BACN10JC5		.	.							10
810	BACF3T15M10-9		.	.							2
815	69-60100-3		.	.							1
816	69-60100-4		.	.	.						1
817	NAS538B10P22		.	.	.						2
820	BACN10GW4		.								8
825	AN960-416		.								8
830	BACB30FD4-7		.								8
835	MS20470D6		.								10
840	69-60102-1		.								1
845	NAS538B10P20		.	.							2
850	69-60102-2		.	.							1
855	BACB30FM6-4		.								18
860	BACC30M6		.								18
865	BACB30DX6-6		.								2
870	NAS1080-6		.								2
875	BACB30DX8-6		.								2
880	NAS1080-8		.								2
885	BACB30FM6-6		.								4
890	BACC30M6		.								4
895	69-60107-3		.								1

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	N O M E N C L A T U R E							USE CODE	QTY PER ASSY
			1	2	3	4	5	6	7		
1101											
900	69-60107-4										1
905	BACB30FM6-5										8
910	BACB30FM6-4										4
915	BACC30M6										12
920	69-60402-3										4
925	65-76611-21										1
930	NAS679A4W										28
935	AN960D416										28
940	BACB30LU4-16										12
945	BACB30LU4-4										16
950	BACB30FM6-4										12
955	BACC30M6										12
960	65-76667-5										1
965	65-76667-6										1
970	69-60402-1										1
975	69-60402-2										1
980	69-60402-4										4
985	BACN10JD104AU										2
990	AN960C416										2
995	BACB30LU4-16										2
1000	65-76611-23										2
1005	69-60402-5										1
1010	69-60402-6										1
1015	BACN10JC4										15
1020	AN960D416L										15
1025	BACB30LU4-14										15
1030	65-76611-22										1
1035	NAS679A4W										19
1040	BACW10P129A										19
1040	AN960D416										19
1045	NAS43DD4-12										19
1050	BACW10P129D										19
1050	AN970D4										19
1055	BACB30LU4-18										19
1060	65-76667-14										1
1065	MS20470D6										24
1070	65-76611-11										1
1075	NAS679A4W										28
1080	AN960D416										28
1085	BACB30LU4-15										28
1090	65-76611-11										1
1095	65-76667-13										1


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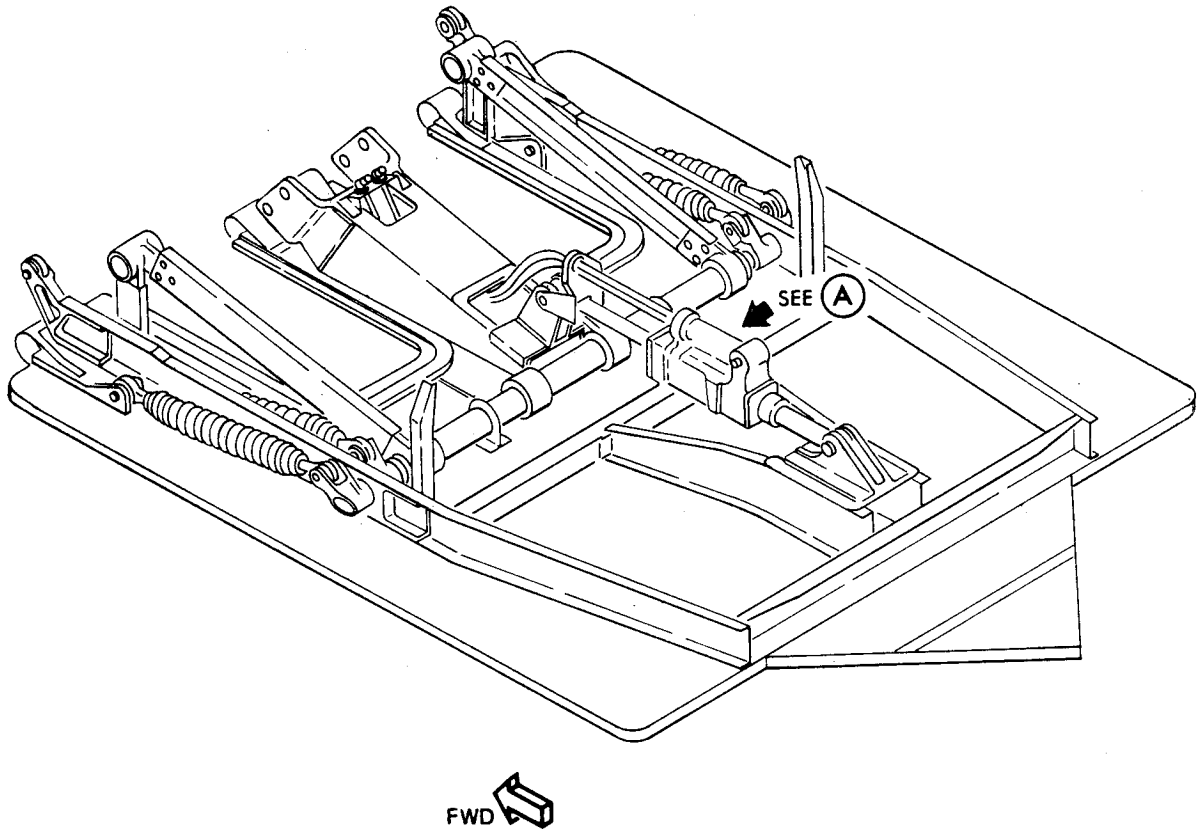
FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	N O M E N C L A T U R E							USE CODE	QTY PER ASSY	
			1	2	3	4	5	6	7			
1101												
1100	NAS679A3										2	
1105	AN960D10										2	
1110	BACB30LU3-17										2	
1115	BACB30LU3-6										32	
1120	65-76611-16										1	
1125	65-76611-29										1	
1130	69-60469-1										1	
1130	65-76611-25										1	
1135	69-60469-2										1	
1135	65-76611-25										1	
1140	65-76611-24										1	
1145	BACB30LU3-7										27	
1150	65-76611-12										1	
1155	BACB30LU3-6										92	
1160	BACB30LU3-3										6	
1165	65-76611-4										1	
1170	65-76611-6										1	
1175	65-76611-5										1	
1180	NAS679A3										27	
1185	AN960D10										27	
1190	BACB30LU3-2										27	
1195	BACR15CE5D										4	
1200	65-76680-1										1	
1205	65-76680-2										1	
1210	SL1579										130	
1210	SL52										130	
1215	65-76611-30										1	
1220	65-76611-35										1	
1225	65-76611-40										1	
1230	65-76611-41										1	
1235	65-76611-31										1	
1235	65-76611-32										1	
1240	65-76611-33										Deleted	
1245	65-76611-34										Deleted	
1250	65-76611-36										Deleted	
											INSTALLATION PARTS	
1255	69-60116-3										SPACER	2
1260	69-54859-2										SHAFT	1

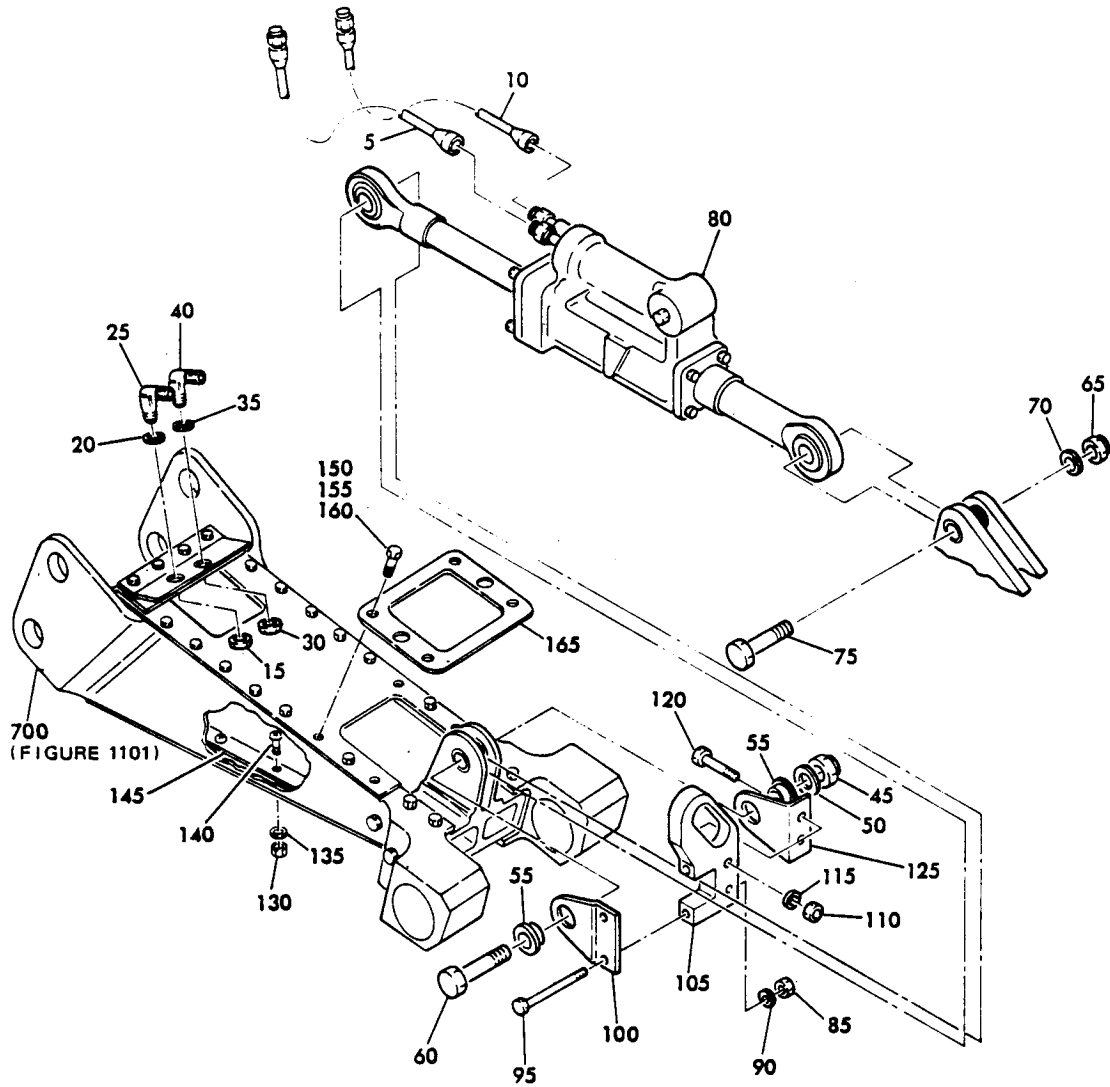
FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE							USE CODE	QTY PER ASSY	
			1	2	3	4	5	6	7			
1101-1265	BACS40R09T65											2
1265A	RS125											2
1265B	69-35382-3											1
1270	BACN10GW10											2
1275	AN960C1016											2
1280	MS20002C10											2
1285	BACB30MT10-20											2
1290	BACB30NG10H9											2
1295	MS20002C10											2
1300	AN960C1016L											2
1305	69-61206-1											1
1305	69-61206-3											1
1310	69-61207-1											1
1315	69-61207-2											1
1320	69-60106-2											1
1325	MS39086-264											2
1330	BACP18AM4B18											1
	HC											
1335	65-44560-4											1

*[1] USED ON 65-46261-1 (ITEM 550) AND 65-46261-2 (ITEM 555)

*[2] USED ON 65-85655-1, -5 (ITEM 550) AND 65-85655-2, -6 (ITEM 555)

*[3] DELETED BY SB 32-1246





A

Nose Gear Gravel Deflector Actuator Installation
Figure 1102 (Sheet 2)

FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	NOMENCLATURE							USE CODE	QTY PER ASSY
			1	2	3	4	5	6	7		
1102-	65-44560-4		NOSE GEAR GRAVEL DEFLECTOR ACTUATOR INSTL (POST SB 32-1396) (POST SB 32-1400)								
5	230S5786-0250		. HOSE ASSY, V78570								1
5	R26765-0250		. HOSE ASSY, V06851 (OPT)								1
5	R26765-0260		. HOSE ASSY, V06851 (OPT)								1
10	BACH8A04NN02 40T		. HOSE ASSY								1
10	BACH6M0240AAN		. HOSE ASSY, (OPT)								1
10	BACH6M0250AAN		. HOSE ASSY, (OPT)								1
15	AN924-5D		. NUT								1
20	AN960PD816		. WASHER								1
25	BACE21AS0506		. ELBOW								1
30	AN924-4D		. NUT								1
35	AN960PD716		. WASHER								1
40	MS21908-4		. ELBOW								1
45	BACN10JC10		. NUT								1
50	AN960-1016		. WASHER								1
55	69-54612-11		. BUSHING								2
60	NAS1110-28		. BOLT								1
65	BACN10JC10		. NUT								1
70	AN960-1016		. WASHER								1
75	NAS1110-20		. BOLT								1
80	65-44660-4		. ACTUATOR ASSY (REF 32-26-18)								1
80A	BACR12BE-216		DELETED								
80B	NAS1611-215		DELETED								
80C	BACC14AD-4		DELETED								
80D	BACR12BE-211		DELETED								
80E	NAS1611-210		DELETED								
80F	69-54676-1		DELETED								
80G	NAS1611-115		DELETED								
80H	MS28774-115		DELETED								
80H	MS28782-13		DELETED								
80I	NAS1611-115		DELETED								
80J	MS28774-115		DELETED								
80J	MS28782-13		DELETED								
80K	BACC14AD-5		DELETED								
80L	1U1087-36		DELETED								
81	69-54679-1		DELETED								
82	*[2]		DELETED								
85	BACN10JC3		. NUT								2
90	AN960PD10		. WASHER								2
95	NAS1103-38		. BOLT								2

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FIG. & ITEM NO.	PART NO.	AIRLINE PART NUMBER	N O M E N C L A T U R E							USE CODE	QTY PER ASSY
			1	2	3	4	5	6	7		
1102-100	65-44616-2		.								1
105	65-44617-1		.								1
110	BACN10JC3		.								2
115	AN960PD10		.								2
120	NAS1103-16		.								2
125	65-44616-1		.								1
130	BACN10JC3		.								8
135	AN960PD10		.								8
140	NAS623-3-8		.								8
145	65-44617-4		.								1
150	BACN10JC3		.								4
155	AN960PD10		.								4
160	NAS623-3-8		.								4
165	65-44617-6		.								1

VENDORS

- V06851 RESISTOFLEX CORP., WESTERN DIVISION, 301 N. CRESCENT WAY, ANAHEIM, CALIFORNIA 92803
- V78570 TITFLEX DIV., SUB. OF BUNDY CORP., 603 HENDEE ST., P.O. BOX 90054, SPRINGFIELD, MASSACHUSETTS 01139
- V80756 SPIROLOX DIVISION OF KAYDON CORP., 29 CASSENS COURT, ST. LOUIS, MISSOURI 63026-2542
- V95879 STEWART-WARNER ALEMITE CORP., 1826 DIVERSEY PARKWAY, CHICAGO, ILLINOIS 60614-1540
- V97393 SHUR-LOCK CORP., 2541 WHITE RD., P.O. BOX 19584, IRVINE, CALIFORNIA 92713

Part No.	Fig. and Index No.	Qty per Assy	Part No.	Fig. and Index No.	Qty per Assy
AN525-10R12		AR	BACB30FM6-6	1101-395	4
AN924-4D		AR	BACB30FM6-6	1101-760	10
AN924-5D		AR	BACB30FM6-6	1101-885	4
AN960-1016		AR	BACB30FM6-8	1101-765	2
AN960-416		AR	BACB30FN6A4	1101-400	4
AN960C10		AR	BABACB30FN6A4	1101-770	6
AN960C10L		AR	BACB30LH3U6	1101-595	2
AN960C1016		AR	BACB30LH4U38	1101-685	2
AN960C1016L		AR	BACB30LH4U44	1101-690	2
AN960C416		AR	BACB30LJ4DU22	1101-20	4
AN960C416L		AR	BACB30LJ4U24	1101-485	2
AN960C516L		AR	BACB30LJ4U28	1101-510	2
AN960C816L		AR	BACB30LJ4U31	1101-540	2
AN960D10		AR	BACB30LJ5DU30	1101-45	4
AN960D416		AR	BACB30LU3-14	1101-170	14
AN960D416L		AR	BACB30LU3-17	1101-175	2
AN960D616		AR	BACB30LU3-17	1101-1110	2
AN960PD10		AR	BACB30LU3-2	1101-1190	27
AN960PD716		AR	BACB30LU3-3	1101-1115	32
AN960PD816		AR	BACB30LU3-3	1101-1160	6
AN970D10		AR	BACB30LU3-6	1101-340	2
AN970D4		AR	BACB30LU3-6	1101-1155	92
			BACB30LU3-7	1101-1145	27
BACB10B258RS	1101-575F	1	BACB30LU4-13	1101-260	2
BACB10B262RS	1101-110	2	BACB30LU4-14	1101-300	62
BACB10BN08CP	1101-575F	1	BACB30LU4-14	1101-1025	15
BACB10D15F	1101-55	2	BACB30LU4-15	1101-1085	28
BACB10D31F	1101-60	2	BACB30LU4-16	1101-190	2
BACB10D75F	1101-435	2	BACB30LU4-16	1101-940	12
BACB28W10-030	1101-815	2	BACB30LU4-18	1101-1055	19
BACB30DX6-6	1101-865	2	BACB30LU4-25	1101-125	6
BACB30DX8-6	1101-875	2	BACB30LU4U28	1101-510	2
BACB30FD4-15	1101-265	2	BACB30NF3-5	1101-620	2
BACB30FD4-7	1101-830	8	BACB30NF4-7	1101-645	3
BACB30FM6-3	1101-215	20	BACB30NF4-10	1101-570A	2
BACB30FM6-4	1101-385	13	BACB30NF4-11	1101-570	4
BACB30FM6-4	1101-755	22	BACB30NF5-5	1101-780	2
BACB30FM6-4	1101-855	18	BACB30NF5-7	1101-785	4
BACB30FM6-4	1101-910	4	BACB30NF5-9	1101-790	2
BACB30FM6-4	1101-950	12	BACB30NF5-11	1101-795	2
BACB30FM6-5	1101-390	2	BACB30NG10H9	1101-1290	2
BACB30FM6-5	1101-905	8	BACB30MT10-20	1101-1285	2

Part No.	Fig. and Index No.	Qty. per Assy.	Part No.	Fig. and Index No.	Qty. per Assy.
BACC30M6	1101-220	20	MS21908-4		AR
BACC30M6	1101-220	23	MS24665-153		AR
BACC30M6	1101-775	40	MS29086-264		AR
BACC30M6	1101-860	18			
BACC30M6	1101-890	4	NAS1080-6		AR
BACC30M6	1101-915	12	NAS1080-8		AR
BACC30M6	1101-955	12	NAS1080P10		AR
BACE21AS0506	1102-25	1	NASI103-16		AR
BACF3T15M10-9	1101-810	2	NASI103-38		AR
BACH6M0240AAN	1102-10	1	NASI103-5		AR
BACH6M0250AAN	1102-10	1	NASI104-10		AR
BACH8A04NN0240T	1102-10	1	NASI104-7		AR
BACN10GW10	1101-1270	2	NASI110-2		AR
BACN10GW4	1101-245	2	NASI110-28		AR
BACN10GW4	1101-820	8	NAS43DD4-12		AR
BACN10JC10	1102-45	1	NAS538B10P20		AR
BACN10JC10	1102-65	1	NAS538B10P22		AR
BACN10JC3	1101-585	2	NAS623-3-8		AR
BACN10JC3	1101-610	2			
BACN10JC3	1102-130	8	RS-125	1101-1265A	2
BACN10JC3	1102-150	4	R26765-0250	1102-5	1
BACN10JC3	1102-85	2	R26765-0260	1102-5	1
BACN10JC3	1102-110	2			
BACN10JC4	1101-290	58	SL1579	1101-271	130
BACN10JC4	1101-445	4	SL52	1101-271	130
BACN10JC4	1101-475	2			
BACN10JC4	1101-500	2	1645B	1101-100	1
BACN10JC4	1101-560	5	1645B	1101-575D	1
BACN10JC4	1101-560	6	1992B1	1101-440	1
BACN10JC4	1101-635	3			
BACN10JC4	1101-675	4	230S5786-0250	1101-5	1
BACN10JC4	1101-1015	15			
BACN10JC5	1101-805	10	65-44560-4	1102	
BACN10JC8	1101-575A	1	65-44616-1	1102-125	1
BACN10JD104AU	1101-985	2	65-44616-2	1102-100	1
BACP18AM4B18HC	1101-1325	1	65-44616-3	1101-185	1
BACP18AM4B23HC	1101-525	2	65-44617-1	1102-105	1
BACR15CE5D	1101-1195	4	65-44617-4	1102-145	1
BACS40R09T65	1101-1265	2	65-44617-6	1102-165	1
BACS40R8C60F	1101-380	AR	65-44660-4	1102-80	1
BACS40R8E30F	1101-145	AR	65-46150-62	1101-465	4
			65-46261-1	1101-550	1
MS20002C10		AR	65-46261-2	1101-555	1
MS20002C4		AR	65-46261-3	1101-580	1
MS20426D4		AR	65-46261-41	1101-630	1
MS20470D6		AR	65-46261-5	1101-600	1
MS02615M6-3		AR	65-46261-6	1101-625	1

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Part No.	Fig. and Index No.	Qty per Assy	Part No.	Fig. and Index No.	Qty per Assy
65-46261-7	1101-605	1	65-76667-9	1101-225	2
65-76611-11	1101-1070	1	65-76680-1	1101-1200	1
65-76611-11	1101-1090	1	65-76680-2	1101-1205	1
65-76611-12	1101-1150	1	65-82752-1	1101-700	1
65-76611-14	1101-275	2	65-82752-10	1101-741	1
65-76611-15	1101-280	2	65-82752-2	1101-705	1
65-76611-16	1101-1120	1	65-82752-3	1101-710	1
65-76611-17	1101-195	1	65-82752-4	1101-715	1
65-76611-18	1101-200	1	65-82752-5	1101-720	1
65-76611-21	1101-925	1	65-82752-6	1101-725	4
65-76611-22	1101-1030	1	65-82752-7	1101-730	1
65-76611-23	1101-1000	1	65-82752-8	1101-735	1
65-76611-24	1101-1140	2	65-82752-9	1101-740	1
65-76611-25	1101-1130	2	65-82753-1	1101-745	1
65-76611-25	1101-1135	1	65-82753-2	1101-750	1
65-76611-28	1101		65-85654-1	1101-575	1
65-76611-29	1101-1125	1	65-85654-2	1101-575	1
65-76611-30	1101-215	1	65-85654-3	1101-575	1
65-76611-31	1101-1235	1	65-85654-4	1101-575	1
65-76611-32	1101-1235	1	65-85655-1	1101-550	1
65-76611-33	1101-1240	1	65-85655-2	1101-555	1
65-76611-34	1101-1245	1	65-85655-3	1101-580	
65-76611-35	1101-1220	1	69-35382-3	1101-1265B	
65-76611-36	1101-1250	1	69-54612-1	1102-55	2
65-76611-37	1101-205	1	69-54676-1	1102-80F	1
65-76611-38	1101-210	1	69-54679-1	1102-81	1
65-76611-39	1101-270	4	69-54859-2	1101-1260	1
65-76611-4	1101-1165	1	69-60087-1	1101-460	2
65-76611-40	1101-1225	1	69-60087-2	1101-470	1
65-76611-41	1101-1230	1	69-60087-3	1101-460	2
65-76611-5	1101-1175	1	69-60087-4	1101-470	1
65-76611-6	1101-1170	1	69-60088-1	1101-70	1
65-76658-10	1101-325	1	69-60088-2	1101-75	1
65-76658-11	1101-415	1	69-60089-1	1101-50	4
65-76658-12	1101-415	1	69-60089-2	1101-65	1
65-76658-13	1101-410	1	69-60089-3	1101-80	1
65-76658-14	1101-410	1	69-60091-1	1101-695	1
65-76658-5	1101-345	1	69-60092-1	1101-650	1
65-76658-6	1101-350	AR	69-60097-1	1101-545	2
65-76658-7	1101-355	AR	69-60100-3	1101-816	1
65-76658-8	1101-375	1	69-60100-4	1101-817	1
65-76658-9	1101-320	1	69-60102-1	1101-840	1
65-76667-13	1101-1095	1	69-60102-2	1101-850	1
65-76667-14	1101-1060	1	69-60104-1	1101-575	1
65-76667-15	1101-230	1	69-60104-2	1101-575	1
65-76667-16	1101-235	1	69-60106-2	1101-1320	1
65-76667-5	1101-960	1	69-60107-3	1101-895	1
65-76667-6	1101-965	1			

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Part No.	Fig. and Index No.	Qty per Assy	Part No.	Fig. and Index No.	Qty per Assy
69-60107-4	1101-900	1			
69-60109-1	1101-95	2			
69-60109-2	1101-105	1			
69-60115-2	1101-670	2			
69-60116-3	1101-15	2			
69-60116-2	1101-320	2			
69-60117-1	1101-515	1			
69-60117-2	1101-520	1			
69-60118-1	1101-490	1			
69-60118-2	1101-495	1			
69-60119-1	1101-25	4			
69-60120-1	1101-285	2			
69-60125-3	1101-435	2			
69-60402-1	1101-970	1			
69-60402-2	1101-975	1			
69-60402-3	1101-920	4			
69-60402-4	1101-980	4			
69-60402-5	1101-1005	1			
69-60402-6	1101-1010	1			
69-60469-1	1101-1130	1			
69-60469-2	1101-1135	1			
69-61206-1	1101-1305	1			
69-61207-1	1101-1310	1			
69-61207-2	1101-1315	1			
69-63559-1	1101-150	1			
69-63559-2	1101-155	1			
69-63560-1	1101-420	1			
69-63560-2	1101-420	1			
69-63560-3	1101-425	1			
69-63560-4	1101-430	1			
69-64167-1	1101-575C	1			
69-64167-2	1101-575E	1			