

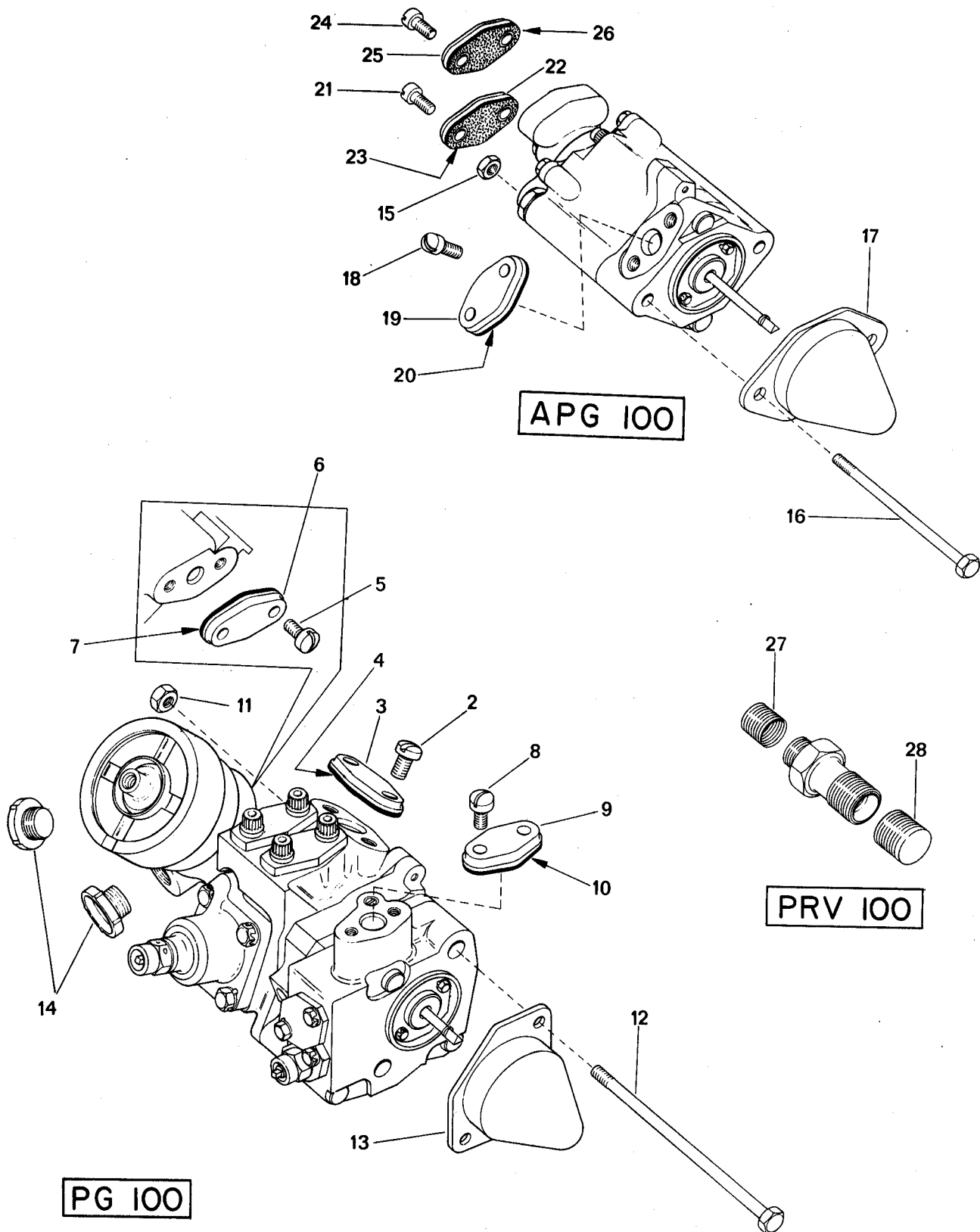


Fig. 1 Components, fuel system, Lucas PGC104

COMPONENTS, FUEL SYSTEM

Fig. & Index	Part No.	123456	Nomenclature	Usage Code	Units per Assy
1 - 1+	PGC 104		Fuel System Components		RF
2	77850520		.Screw, fillister)		2
3	77850871		.Cover, transportation)		1
4	77850872		.Gasket)		1
5	77850520		.Screw, fillister)		2
6	77850841		.Cover, transportation)	PG100	1
7	77850844		.Gasket)	Pump and	1
8	77850520		.Screw, fillister)	Overspeed	2
9	77850841		.Cover, transportation)	Governor	1
10	77850844		.Gasket)	Storage items	1
11	GTS 77-3		.Nut)		2
12	GTS 73-51		.Bolt)		2
13	77850843		.Cover, transportation)		1
14	GTS 53-2		.Plug, dust)		2
15	GTS 77-3		.Nut)		2
16	GTS 73-45		.Bolt)		2
17	77850843		.Cover, transportation)		1
18	77850520		.Screw, fillister)		2
19	77850841		.Cover, transportation)	APG100	1
20	77850844		.Gasket)	APU Governor	1
21	77850520		.Screw, fillister)	Storage items	2
22	77850841		.Cover, transportation)		1
23	77850844		.Gasket)		1
24	77850520		.Screw, fillister)		2
25	77850841		.Cover, transportation)		1
26	77850844		.Gasket)		1
27	GTS 54-2		.Plug, dust)	PRV100 Pressure Raising	1
28	GTS 54-4		.Plug, dust)	Valve Storage items	

+ Item not illustrated

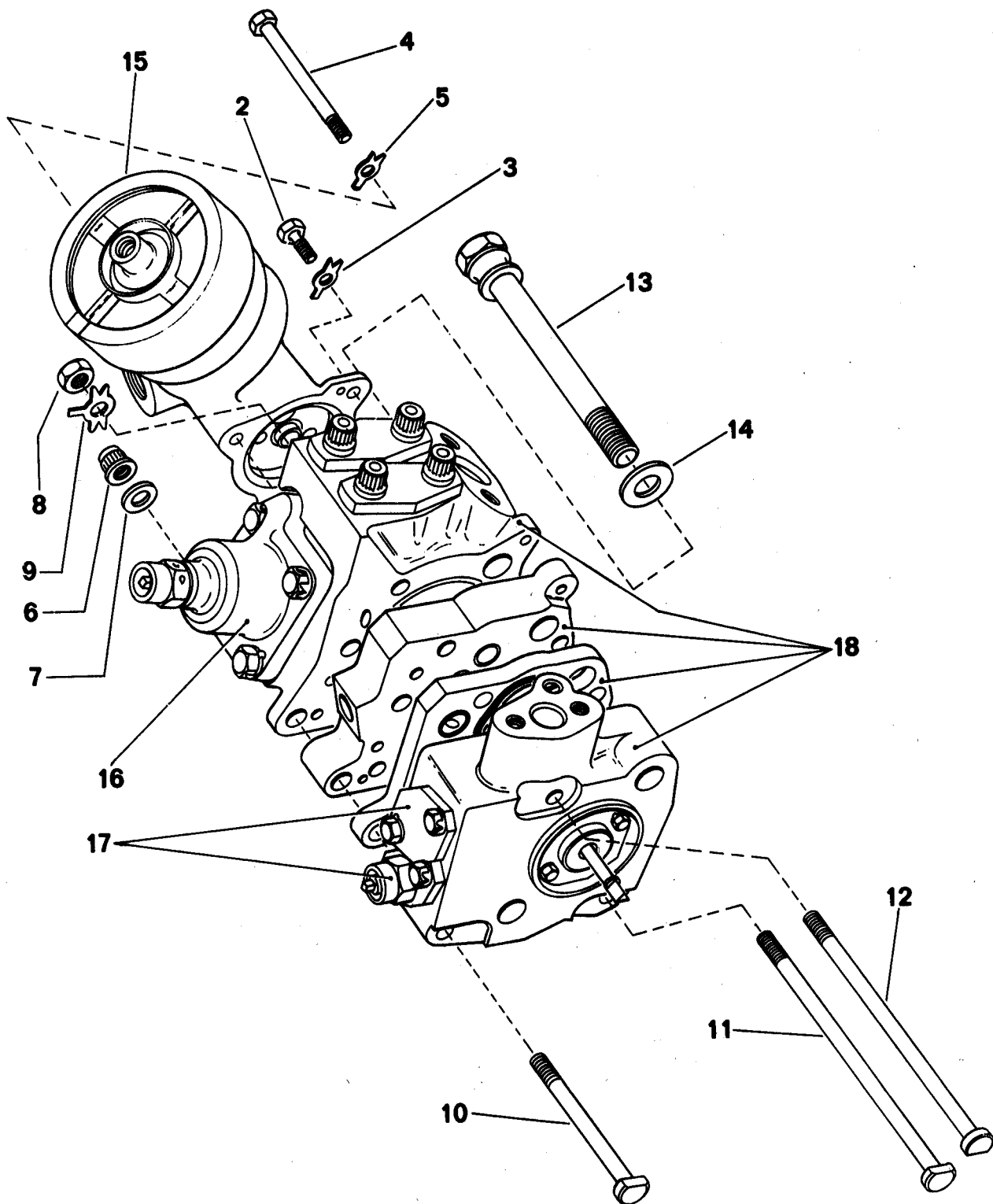


Fig.2 Pump and governor, overspeed

DETAILED PARTS LIST

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PUMP AND GOVERNOR, OVERSPEED

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
	123456			
2 - 1+	PG100	Pump and overspeed governor		RF
2	GTS 195-5	. Bolt		2
3	GTS 34-1	. Washer, tab		2
4	GTS 195-34	. Bolt		1
5	GTS 34-1	. Washer, tab		1
6	GTS 148-1	. Nut, lock		2
7	GTS 51-3F	. Washer, plain		2
8	GTS 76-3	. Nut		1
9	GTS 237-4	. Washer, tab		1
10	77143226	. Bolt, 'D'		1
11	77143216	. Bolt, 'D'		1
12	77143225	. Bolt, 'D'		1
13	77143454	. Bolt, hollow		2
14	GTS 51-9F	. Washer, plain		2
15		. Filter, (see fig. 3 for details)		RF
16		. Diaphragm assembly (see fig. 4 for details)		RF
17		. Valve assembly, sleeve and screw, (see fig. 5 for details)		RF
18		. Balance weights, shaft and gear, (see fig. 6 for details)		RF

+ Item not illustrated

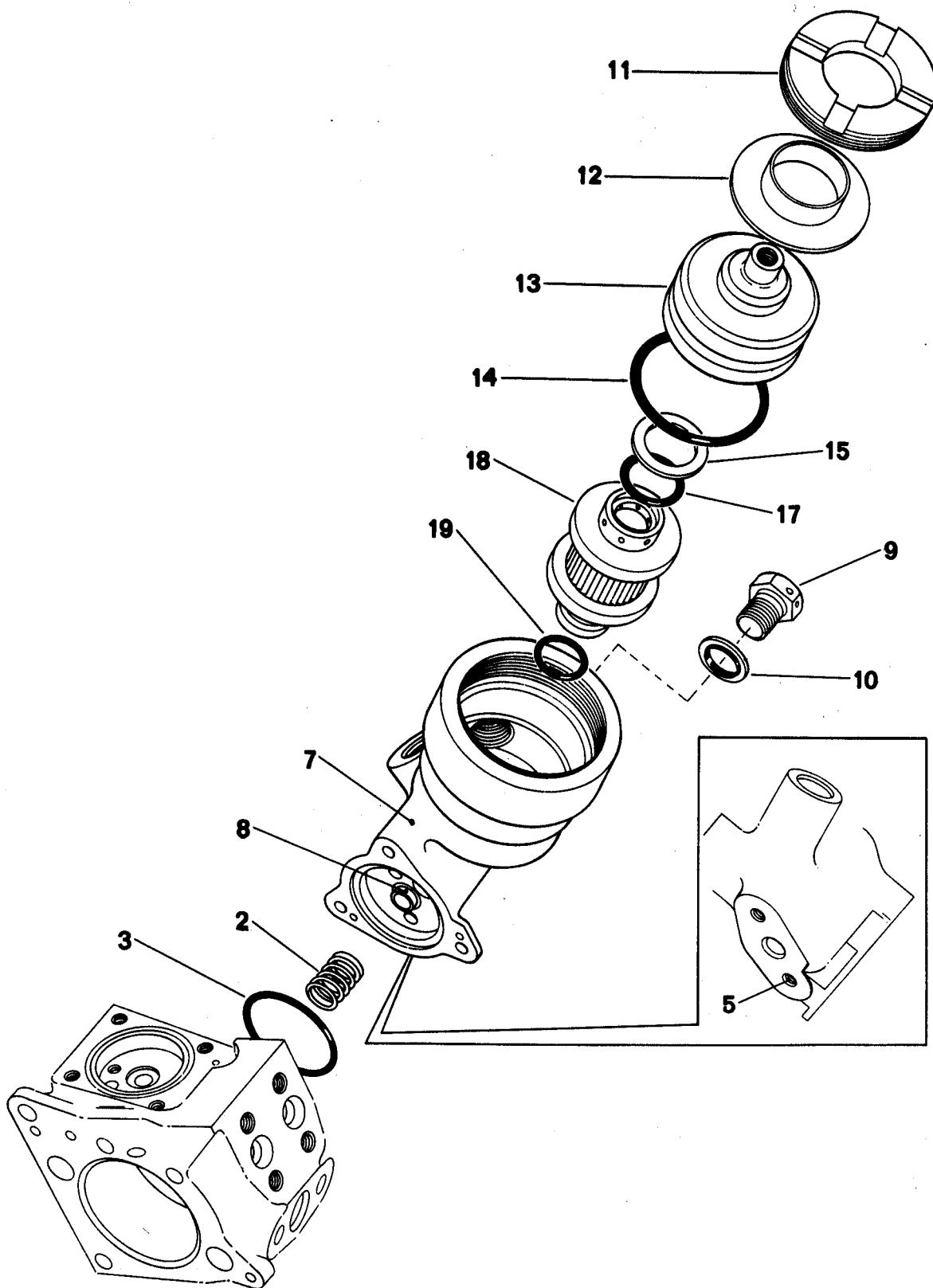


Fig. 3 - Filter, (details)

DETAILED PARTS LIST

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FILTER, (DETAILS)

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
	123456			
3	1+ PG100	Pump and overspeed governor filter		
	2 77117074	.Spring	RF	1
	3 GTS 243-6	.Ring, sealing		1
	4+ 77144534	.Housing assembly		1
	5 GTS 238-13	..Insert, wire		2
	6+ 77144134	..Housing assembly	RF	
	7 77143378	...Housing, filter. Machining	RF	
	8 77144124	...Seat, spring		1
	9 77144125	.Plug		1
	10 GTS 104-4	.Seal, bonded		1
	11 77141439	.Nut, lock		1
	12 77141440	.Washer, cup		1
	13 77141438	.Cap, end		1
	14 GTS 240-21	.Ring, sealing		1
	15 77143353	.Washer, shim	AR	
	16+ 77143354	.Washer, shim	AR	
	17 GTS 248-113	.Ring, sealing		1
	18 77141548	.Element, filter (Palmer D2592)		1
	19 GTS 100-9	.Ring, sealing		1

+ Item not illustrated

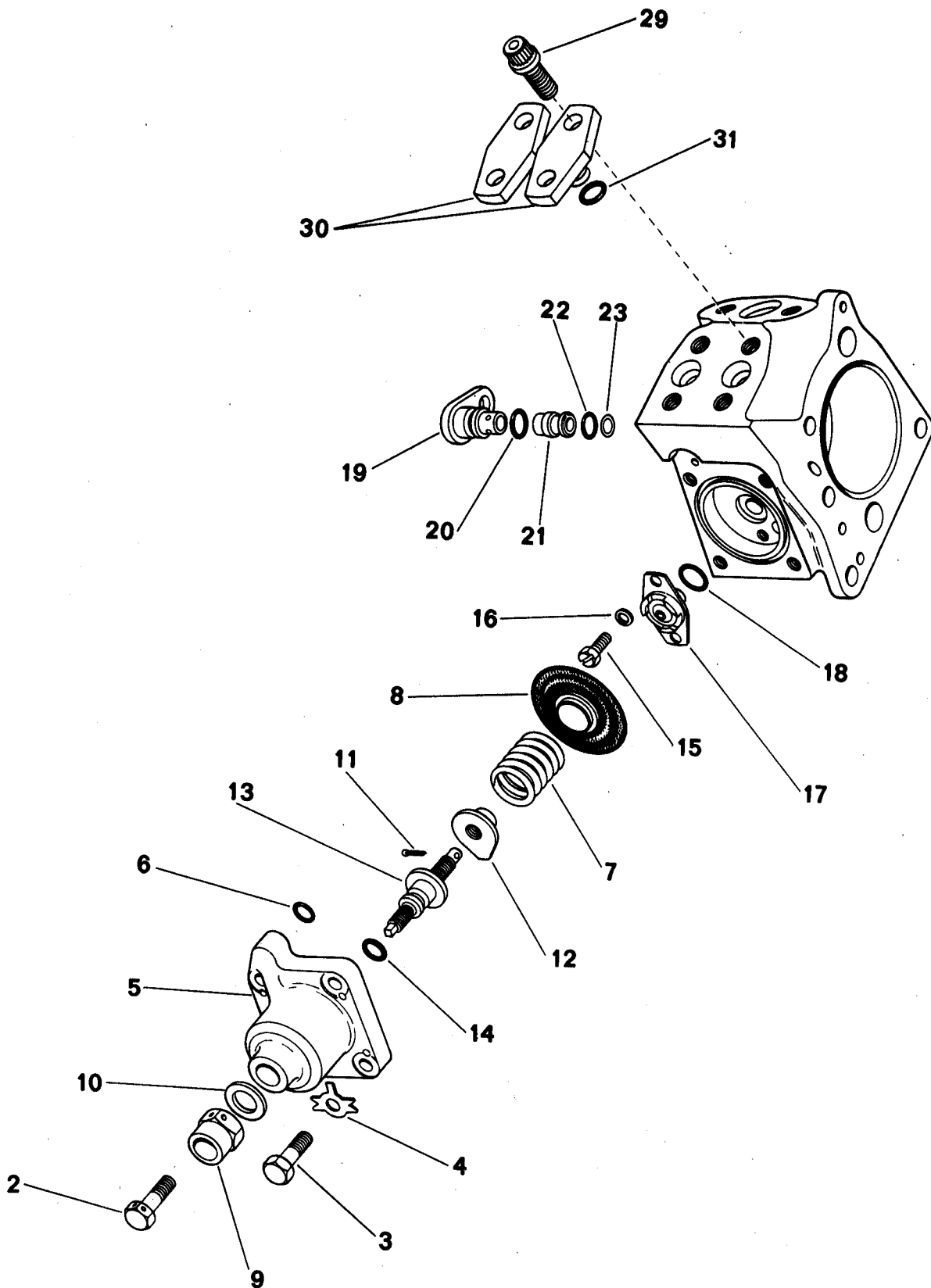


Fig. 4 Diaphragm assembly (details)

DIAPHRAGM ASSEMBLY, (DETAILS)

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
	123456			
4 - 1+	PG100	Pump and overspeed governor diaphragm assembly	RF	
2	GTS 155-6A	. Bolt		1
3	GTS 155-6	. Bolt		3
4	GTS 237-2	. Washer, tab		4
5	77119215	. Housing, diaphragm		1
6	7061191	. Ring, sealing		1
7	77117370	. Spring		1
8	77117340	. Diaphragm assembly		1
9	77117288	. Nut, shrouded		1
10	77117289	. Washer		1
11	GTS 94-7	. Pin, split		1
12	77117334	. Seat, spring		1
13	77117333	. Screw, adjusting		1
14	GTS 240-2	. Ring, sealing		1
15	GTS 225-2	. Bolt, slotted		2
16	GTS 51-76	. Washer, shim		2
17	77141447	. Orifice		1
18	17101-44	. Ring, sealing		1
19	77141536	. Plug, flanged		1
20	GTS 304-010	. Ring, sealing		1
21	77141543	. Body, orifice		1
22	GTS 304-008	. Ring, sealing		1
23	GTS 51-5C	. Washer, shim		AR
24+	GTS 51-5D	. Washer, shim		AR
25+	GTS 51-5E	. Washer, shim		AR
26+	GTS 51-5F	. Washer, shim		AR
27+	GTS 51-5G	. Washer, shim		AR
28+	GTS 51-5H	. Washer, shim		AR
29	GTS 318-1	. Bolt		4
30	77143595	. Plate, blanking		2
31	GTS 304-106	. Ring, sealing		2

+ Item not illustrated

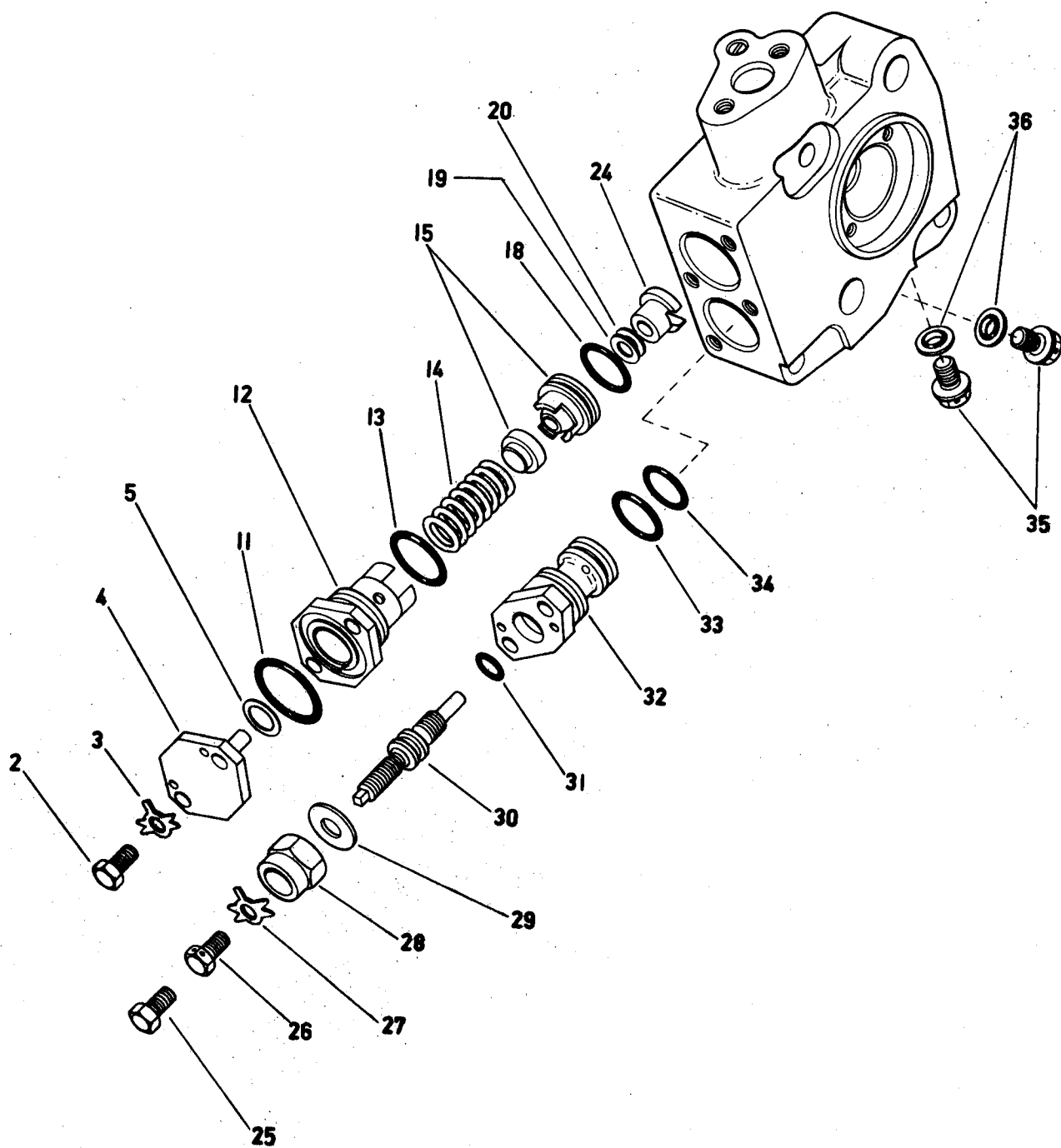


Fig. 5 Valve assembly, sleeve and screw

VALVE ASSEMBLY, SLEEVE AND SCREW

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
	123456			
5 - 1+	PG100	Pump and overspeed governor valve assembly, sleeve and screw	RF	
2	GTS 155-6	.Bolt		2
3	GTS 237-2	.Washer, tab		2
4	77117285	.Cover, valve		1
5	77117325	.Washer, shim	AR	
6+	77117326	.Washer, shim	AR	
7+	77117327	.Washer, shim	AR	
8+	77117328	.Washer, shim	AR	
9+	77117329	.Washer, shim	AR	
10+	77117330	.Washer, shim	AR	
11	77870511	.Ring, sealing		1
12	77112282	.Valve assembly		1
13	GTS 240-6A	.Ring, sealing		1
14	77117314	.Spring		1
15	77117315	.Valve assembly	RF	
16	77117287	..Valve		1
17	77117284	..Orifice		1
18	GTS 240-6	.Ring, sealing		1
19	77117312	.Washer, bellville		1
20	77145592	.Washer, shim	AR	
21+	77145593	.Washer, shim	AR	
22+	77145594	.Washer, shim	AR	
23+	77145595	.Washer, shim	AR	
24	77117283	.Spacer		1
25	GTS 155-5	.Bolt		1
26	GTS 155-5A	.Bolt		1
27	GTS 237-2	.Washer, tab		2
28	77117288	.Nut, shrouded		1
29	77117289	.Washer, plain		1
30	77141973	.Screw, adjusting		1
31	GTS 240-2	.Ring, sealing		1
32	77117281	.Sleeve, valve		1
33	GTS 240-6	.Ring, sealing		1
34	GTS 240-5	.Ring, sealing		1
35	77117401	.Plug, flanged		2
36	GTS 104-1	.Seal, bonded		2

+ Item not illustrated

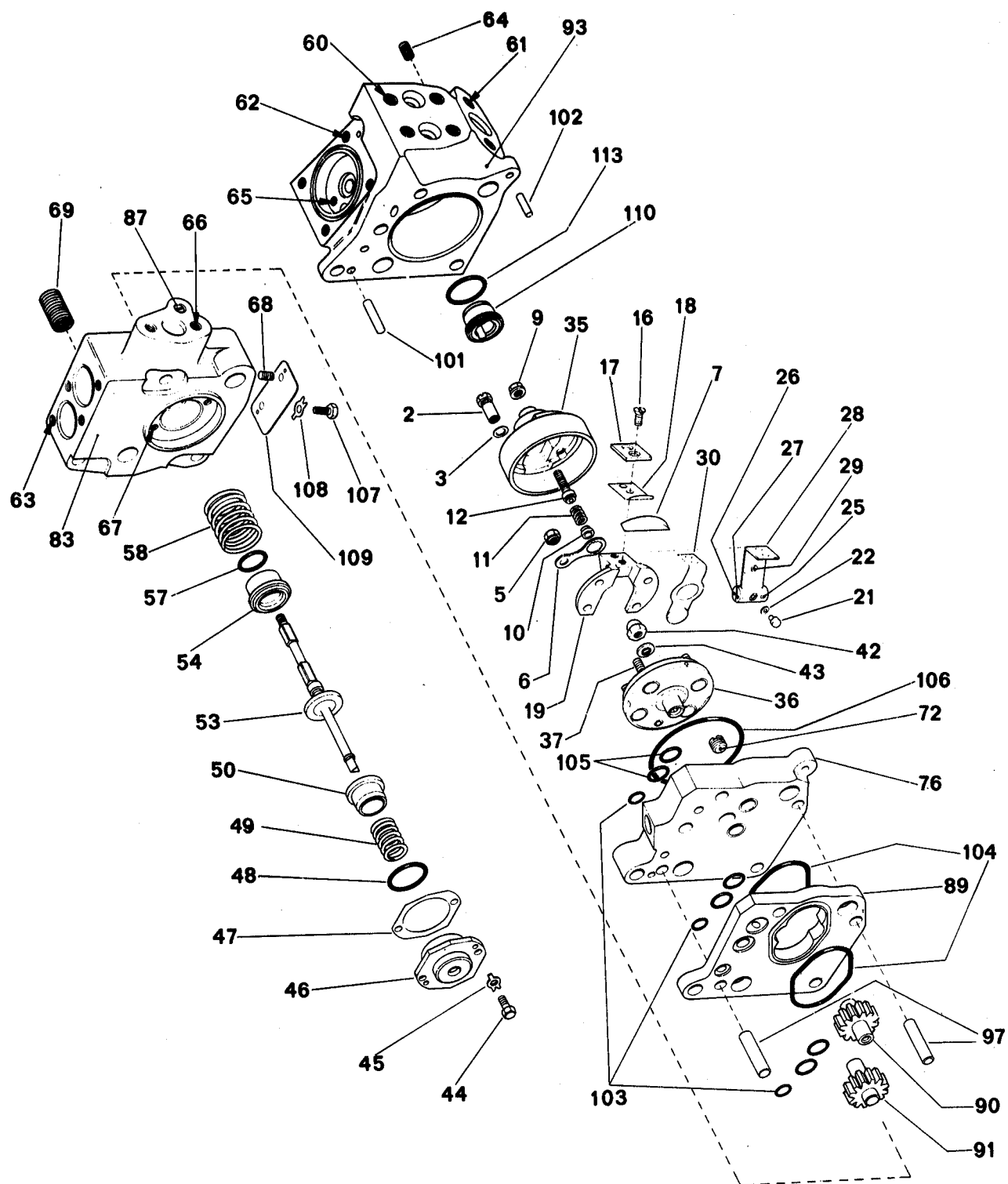


Fig. 6 Weights, balance, shaft and gear

DETAILED PARTS LIST

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WEIGHTS, BALANCE, SHAFT AND GEAR

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
		1 2 3 4 5 6		
6 - 1+	PG101	Pump and overspeed governor balance weights, shaft and gear		RF
2	77209525	• Clamp		4
3	GTS 49-5	• Washer, plain		4
4	77068397	• Plate, balancing (Mod. CP5087)		AR
5+	77068398	• Plate, balancing (Mod. CP5087)		AR
6+	77068399	• Plate, balancing (Mod. CP5087)		AR
7+	77068400	• Plate, balancing (Mod. CP5087)		AR
▶ 8+	77146443	• Balancing assembly (Pre-mod. CP4645)	A	RF ◀
▶ 8A+	77147898	• Balancing assembly (Mod. CP4645) (Pre-mod. CP4531)	B	RF ◀
▶ 8B+	77147905	• Balancing assembly (Mod. CP4531)	C	RF
9	GTS 175-1	• • Nut, Kaylock		4 ◀
10	77117432	• • Plate, locking		1
11	77144093	• • Weight, balance)		AR
12+	77144092	• • Weight, balance) Alternatives		AR
13	GTS 297-2	• • Nut, kaylock		1
14	77161909	• • Seat, spring		1
▶ 15+	77117429	• • Spring (Mod. CP4881) (Pre-mod. CP4531)	B	1 ◀
▶ 15A	77145190	• • Spring (Mod. CP4531)	C	1
16	77117436	• • Screw assembly (Pre-mod. CP4645)	A	1
16A	77145862	• • Screw, adjusting (Mod. CP4645)	B	1
17+	77117430	• • • Seat, spring (Pre-mod. CP4645)	A	RF
18+	77117435	• • • Screw, adjusting (Pre-mod. CP4645)	A	RF ◀
19+	77144196	• • Block assembly		RF
20	GTS 574-7	• • • Screw, countersunk		2
21	77117549	• • • Plate, fixing		1
22	77144094	• • • Spring, strip		1
23	77143596	• • • Block, securing		1
24+	77119844	• • • Weights assembly		1
25	77117490	• • • Stop		1
26	77117487	• • • Washer, shim (Mod. CP5087)		AR
27+	77117488	• • • Washer, shim (Mod. CP5087)		AR
28+	77117489	• • • Washer, shim (Mod. CP5087)		AR
29	77209558	• • • Pin, securing		2
30	77117475	• • • Weight, governor		RF
31	77117476	• • • Weight, governor		RF

+ Item not illustrated

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DETAILED PARTS LIST

WEIGHTS, BALANCE, SHAFT AND GEAR

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
6					
32	77119843	. . .	Arm, governor		RF
33	77117471	. . .	Seat, pivot		RF
34	77143201	. . .	Strip assembly		1
35+	77117467		Pad, pressure		RF
36+	77117468		Washer, backing		RF
37+	77143198		Strip, sealing		RF
38+	77146444	. .	Base assembly, governor (Pre-mod. CP4531) (Mod. CP4881)	B	1
38A+	77147088	. .	Base assembly, governor (Mod. CP4531)	C	1
39+	77117438	. . .	Cover, governor (Pre-mod. CP4531) (Mod. CP4881)	B	RF
39A	77145225	. . .	Cover, governor (Mod. CP4531)	C	RF
40	77146445	. . .	Eccobonding assembly (Mod. CP4881)		RF
41	77143341		Bolt		4
42+	77146446		Brazing assembly		RF
43+	77119798		Base, governor		RF
44+	77117440		Disc, blanking		RF
45+	77115252		Orifice		1
46	77117433	. .	Nut, dome		1
47	GTS 212-2	. .	Washer, bonded		1
48	77144536	. .	Shaft, quill		1
49	GTS 194-1	. .	Bolt		2
50	77488216	. .	Washer, tab		2
51	77145722	. .	Cover, face seal		1
52	77117153	. .	Gasket (Pre-mod. CP6566)		1
52A	77087606	. .	Gasket (Mod. CP6566)		1
53	77870020	. .	Ring, sealing		1
54	77117074	. .	Spring		1
55	77117104	. .	Seal assembly, face		1
56+	77117102	. . .	Body, face seal		RF
57+	77117103	. . .	Ring, carbon		1
NOTE:-					
Two face seal bodies and one carbon ring make two assemblies					
58	77144537	. .	Shaft, drive		1
59	77117100	. .	Seal assembly, face		1
60+	77117098	. . .	Body, face seal		RF
61+	77117099	. . .	Ring, carbon		1
NOTE:-					
Two face seal bodies and one carbon ring make two assemblies					

+Item not illustrated

WEIGHTS, BALANCE, SHAFT AND GEAR

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
123456				
contd.				
6 -68	GTS 117-13	..Insert, wire		2
69	GTS 239-24	..Insert, wire		2
70+	77145724	..Body assembly		1
71+	77145725	...Body and plug assembly	RF	
72	77117501	Plug	RF	
73+	77145726	Plate and housing assembly, body, bearing	RF	
74+	77145727	Body assembly. Machining	RF	
75+	77141917	Plate and carbon assembly, bearing	1	
76	77141916	Plate, bearing. Machining	RF	
77+	77141915	Plug		
78+	77117453	Sleeve, carbon	1	
79+	77141914	Sleeve, carbon	1	
80+	77117454	Disc, carbon	1	
81+	77118439	Disc, carbon	1	
82+	77145728	Body assembly	1	
83	77145729	Body, pump. Machining	RF	
84+	77117400	Bearing, carbon	1	
85+	77117453	Bearing, carbon	1	
86+	77117454	Disc, carbon	2	
87	77119292	Plug	RF	
88+	77141925	Sandwich and gears assembly plate	RF	
89	77141924	Plate, sandwich	1	
90	77117134	Gear, driven	1	
91	77117133	Gear, driven	1	
92+	77145730	Bearing and plug assembly, governor housing	1	
93	77145731	Housing, governor	RF	
94+	77141874	Plug	RF	
95+	77117323	Sleeve, carbon	1	
96+	77117324	Disc, carbon	1	
97	77141926	..Pin, locating	AR	
98+	77141927	..Pin, locating	AR	
99+	77141928	..Pin, locating	AR	
100+	77141929	..Pin, locating	AR	

+ Item not illustrated

DETAILED PARTS LIST

WEIGHTS, BALANCE, SHAFT AND GEAR

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
	123456			

contd.

6 -101	77143240	..Dowel		1
102	77142150	..Dowel		1
103	7061191	..Ring, sealing		3
104	GTS 243-6	..Ring, sealing		2
105	GTS 240-3	..Ring, sealing		6
106	77871014	..Ring, sealing		1
107	GTS 72-1	.Bolt		2
108	GTS 33-1	.Washer, tab		2
109	77209523	.Plate, name		1
110	77117104	..Seal assembly, face		1
111+	77117102	...Body, seal face		RF
112+	77117103	...Ring, carbon		1
NOTE:-				
Two face seal bodies and one carbon ring				
make two assemblies				
113	77870020	..Ring, sealing		1

+ Item not illustrated

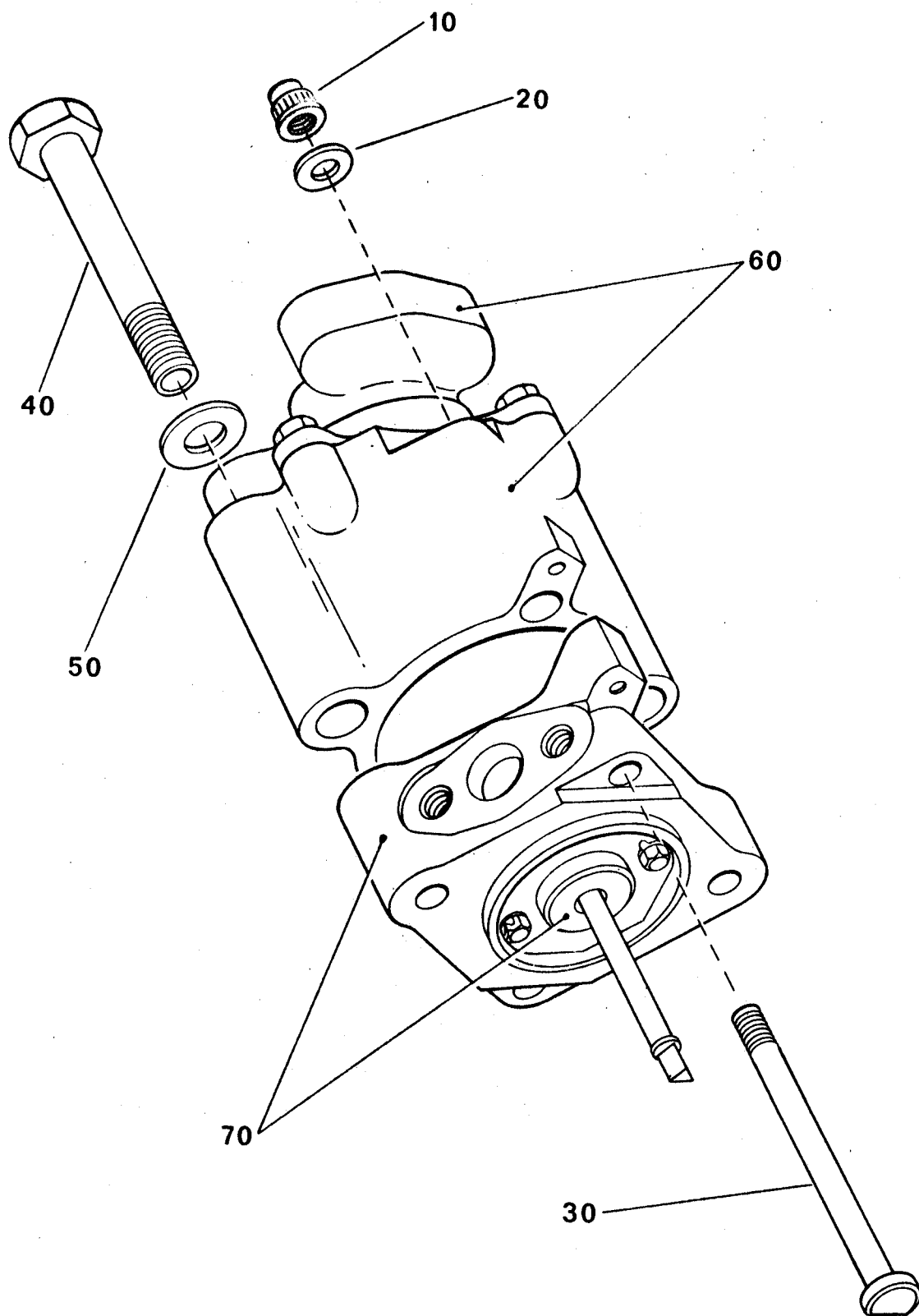


Fig. 7 Governor, APU

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GOVERNOR, APU

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
	123456			
7 - 1+	APG 100	Governor, APU		
2	GTS 148-1	.Nut, lock		RF
3	GTS 51-3F	.Washer		2
4	77143409	.Bolt 'D'		2
5	77117363	.Bolt, hollow		2
6	GTS 51-9F	.Washer		2
7		.APU Governor insert assembly, (See fig. 8 for details)		RF
8		.APU Governor balance weights and shaft (See fig. 9 for details)		RF

+ Item not illustrated

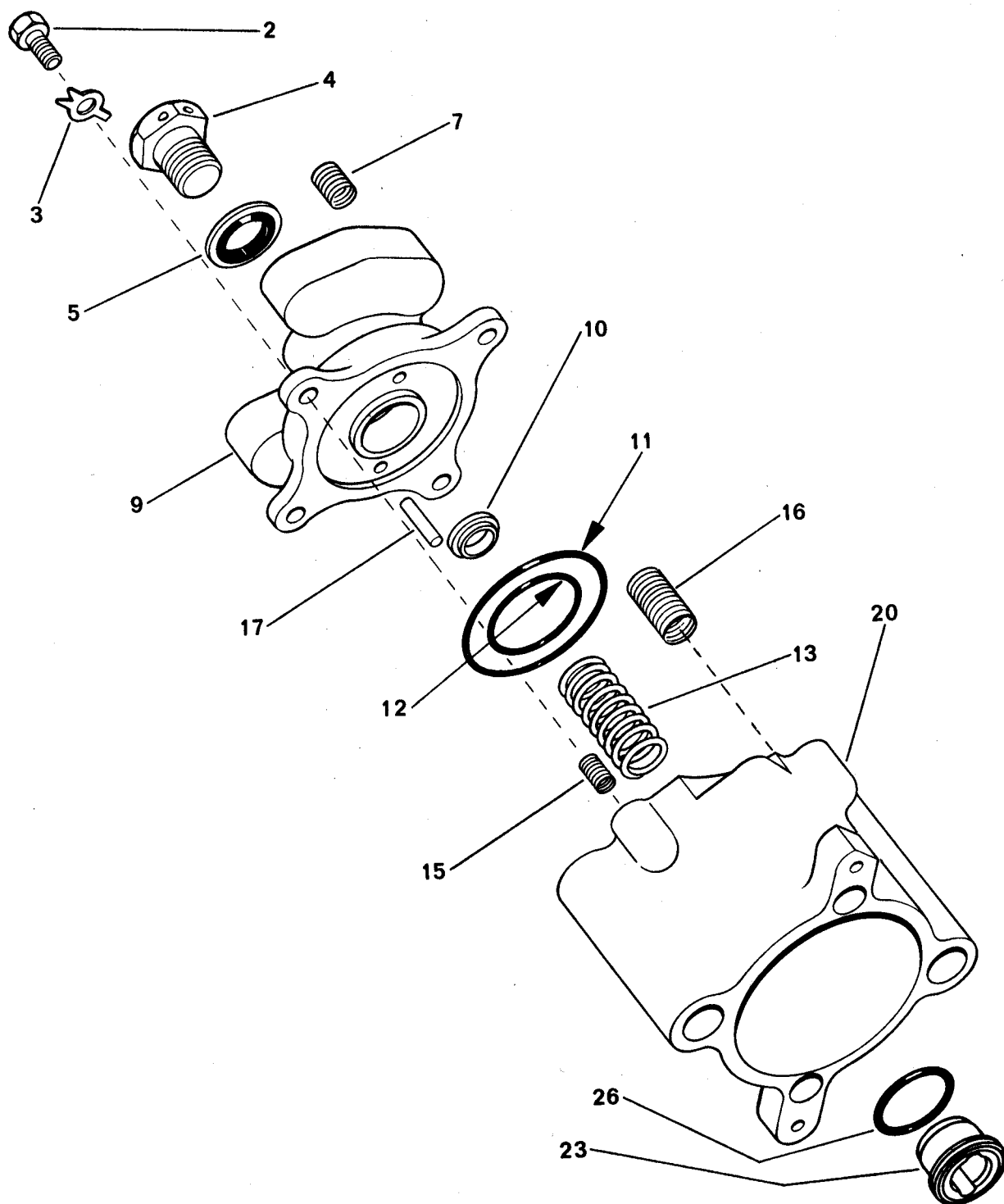


Fig. 8 Insert assembly, APU governor

INSERT ASSEMBLY, APU GOVERNOR

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
	123456			
8 - 1+	APG 100	APU Governor insert assembly		
2	GTS 195-5	.Bolt		RF
3	GTS 34-1	.Washer, tab		4
4	77144125	.Plug		4
5	GTS 104-4	.Seal, bonded		1
6+	77143469	.Insert assembly		1
7	GTS 239-13	..Insert, wire		4
8+	77143407	..Cover assembly		
9	77143328	...Housing, cover		RF
10	77144126	...Seat, spring		RF
11	GTS 304-025	..Ring, sealing		1
12	GTS 304-016	..Ring, sealing		1
13	77144133	..Spring		1
14+	77144228	.Inserts assembly		1
15	GTS 117-25	..Insert, wire		RF
16	GTS 239-15	..Insert, wire		4
17	77118844	..Dowel		2
18+	77144233	..Bodies assembly. Machining		2
19+	77144234	...Housing assembly		RF
20	77144229	Housing, governor		1
21+	77117323	Bearing, carbon		RF
22+	77117324	Disc, carbon		1
23	77117104	.Seal assembly, face		1
24+	77117102	..Body, seal face		1
25+	77117103	..Ring, carbon		RF
		NOTE:-		1
		Two face seal bodies and one carbon ring		
		make two assemblies		
26	GTS 240-6A	.Ring, sealing		1

+ Item not illustrated

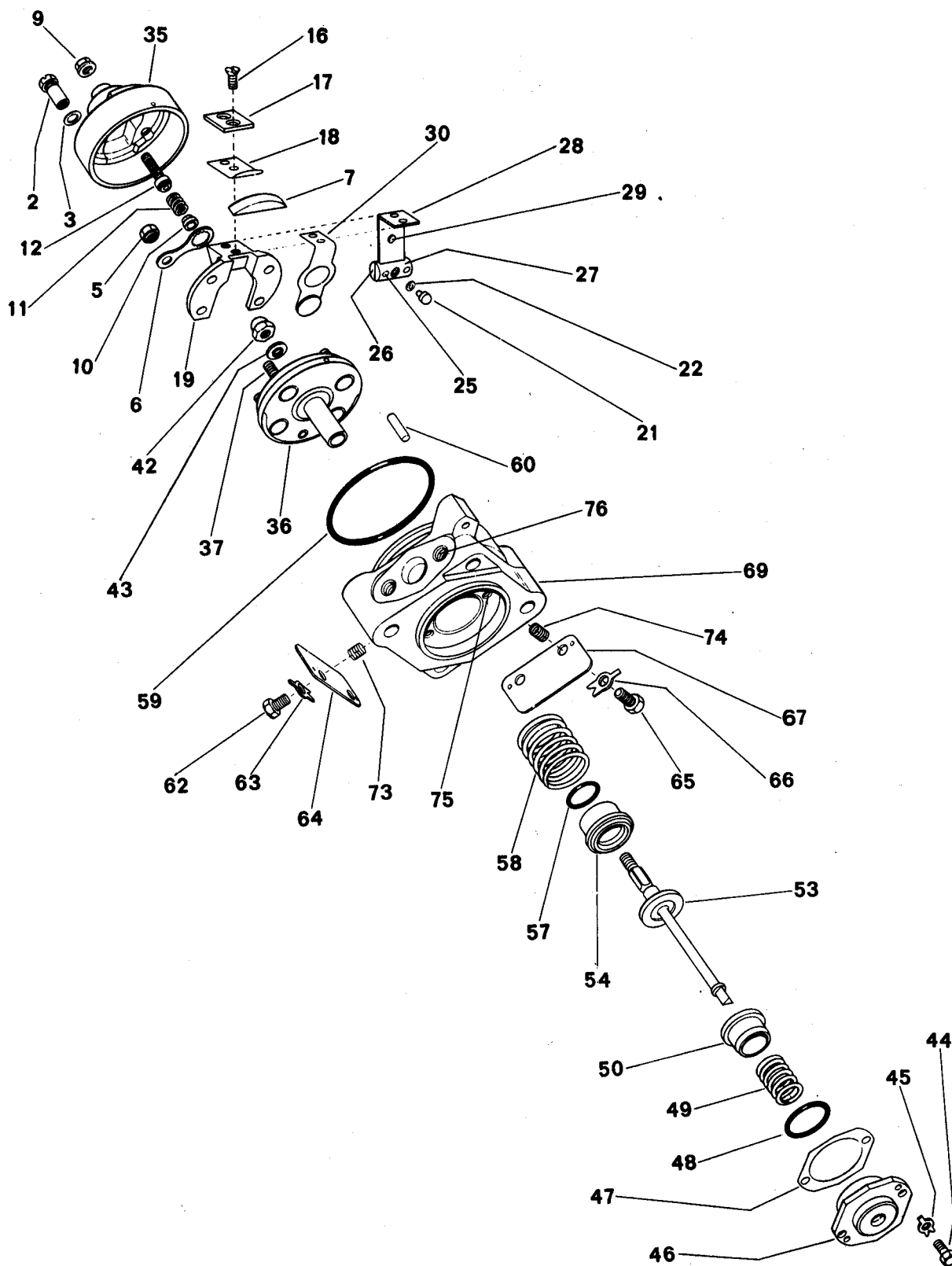


Fig. 9 Weights and shaft, balance

DETAILED PARTS LIST

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WEIGHTS AND SHAFT, BALANCE

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy	
9- 1+	APG 101		APU Governor balance weights and shaft		RF	
2	77209525		• Clamp		4	
3	GTS 49-5		• Washer, plain		4	
4	77068397		• Plate, balancing (Mod. CP5087)		AR	
5+	77068398		• Plate, balancing (Mod. CP5087)		AR	
6+	77068399		• Plate, balancing (Mod. CP5087)		AR	
7+	77068400		• Plate, balancing (Mod. CP5087)		AR	
▶ 8+	77146438		• Balancing assembly (Pre-mod. CP4645) (Mod. CP4881)	A	RF	◀
▶ 8A+	77147899		• Balancing assembly (Pre-mod. CP4534) (Mod. CP4645)	B	RF	◀
▶ 8B+	77147907		• Balancing assembly (Mod. CP4534) (Pre-mod. CP5666)	C	RF	◀
▶ 8C+	77149643		• Balancing assembly (Mod. CP5666)	D	RF	◀
9	GTS 175-1		• • Nut, kaylock		4	
10	77117432		• • Plate, locking		1	
11	77144152		• • Weight, balance) Alternatives		AR	
12+	77144092		• • Weight, balance)		AR	
13	GTS 297-2		• • Nut, kaylock		1	
14	77161909		• • Seat, spring		1	
▶ 15+	77117429		• • Spring (Pre-mod. CP4534) (Mod. CP4881)	A, B	RF	◀
▶ 15A	77145190		• • Spring (Mod. CP4534)	C	1	
16+	77117436		• • Screw assembly (Pre-mod. CP4645)	A	RF	
16A	77145862		• • Screw, adjusting (Mod. CP4645)	B	1	
17	77117430		• • • Seat, spring (Pre-mod. CP4645)	A	RF	
18	77117435		• • • Screw, adjusting (Pre-mod. CP4645)	A	RF	◀
19	77144195		• • Block assembly		RF	
20	GTS 574-7		• • • Screw, adjusting		2	
21	77117549		• • • Plate, fixing		1	
22	77144094		• • • Spring, strip		1	
23	77143596		• • • Block, securing		1	
24	77119847		• • • Weights assembly		1	
25	77117490		• • • • Stop		1	
26	77117487		• • • • Washer, shim (Mod. CP5087)		AR	
27	77117488		• • • • Washer, shim (Mod. CP5087)		AR	
28	77117489		• • • • Washer, shim (Mod. CP5087)		AR	
29	77209558		• • • • Pin, securing		RF	
30	77117472		• • • • Weight, governor		RF	
31	77117473		• • • • Weight, governor		RF	
32	77119846		• • • • Arm, governor		RF	
33	77117471		• • • • Seat, pivot		RF	

+ Item not illustrated

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Fig. & Index	Part No.	1	2	3	4	5	6	Nomenclature	Usage Code	Units per Assy	
34	77143201							• • • • Strip assembly		1	
35+	77117467							• • • • • Pad, pressure		RF	
36+	77117468							• • • • • Washer, backing		RF	
37+	77143198							• • • • • Strip, sealing		RF	
▶ 38+	77146439							• • Base assembly, governor (Pre-mod. CP4534) (Mod. CP4881)	A B	RF	◀
▶ 38A+	77147089							• • Base assembly, governor (Mod. CP4534) (Pre-mod. CP5666)	C	RF	◀
▶ 38B+	77149644							• • Base assembly, governor (Mod. CP5666)	D	RF	◀
▶ 39+	77117438							• • • Cover, governor (Pre-mod. CP4534) (Mod. CP4881)	A B	RF	◀
▶ 39A+	77145225							• • • Cover, governor (Mod. CP4534)	C	RF	
40+	77146440							• • • Eccobonding assembly (Mod. CP4881) (Pre-mod. CP5666)	ABC	RF	◀
▶ 40A+	77143609							• • • Eccobonding assembly (Mod. CP5666)	D	RF	◀
41	77143341							• • • Bolt		4	
▶ 42+	77146441							• • • • Brazing assembly (Mod. CP4881) (Pre-mod. CP5666)	ABC	RF	◀
▶ 42A+	77143608							• • • • • Brazing assembly (Mod. CP5666)	D	RF	
43	77143610							• • • • • Spraying assembly (Mod. CP5666)	D	RF	◀
44+	77143607							• • • • • Base, governor		RF	
45+	77117440							• • • • • Disc, blanking		1	
46+	77115252							• • • • • Orifice		1	
47	77117433							• • Nut, domed		1	
48	77144538							• • Shaft, quill		1	
49	GTS 212-2							• • Washer, bonded		1	
50	GTS 194-1							• • Bolt		2	
51	77488216							• • Washer, tab		2	
52	77145722							• • Cover, seal face (Mod. CP4590)		1	
53	77117153							• • Gasket		1	
54	77870020							• • Ring, sealing (Mod. CP4590)		1	
55	77117074							• • Spring		1	
56	77117104							• • Seal assembly, face		1	
57+	77117102							• • • Body, seal face		RF	
58+	77117103							• • • Ring, carbon		1	
NOTE:-											
Two face seal bodies and one carbon ring											
make two assemblies											
59	77144539							• • Shaft, governor		1	

WEIGHTS AND SHAFT, BALANCE

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
contd.	123456			

9 -69	77142110	..Body, governor		RF
70+	77117455	..Washer, thrust		1
71+	77117420	..Bearing, carbon		1
72+	77117454	..Disc, carbon		1
73	GTS 117-13	..Insert, wire		2
74	GTS 117-13	..Insert, wire		2
75	GTS 117-63	..Insert, wire		2
76	GTS 239-13	..Insert, wire		2

+ Item not illustrated

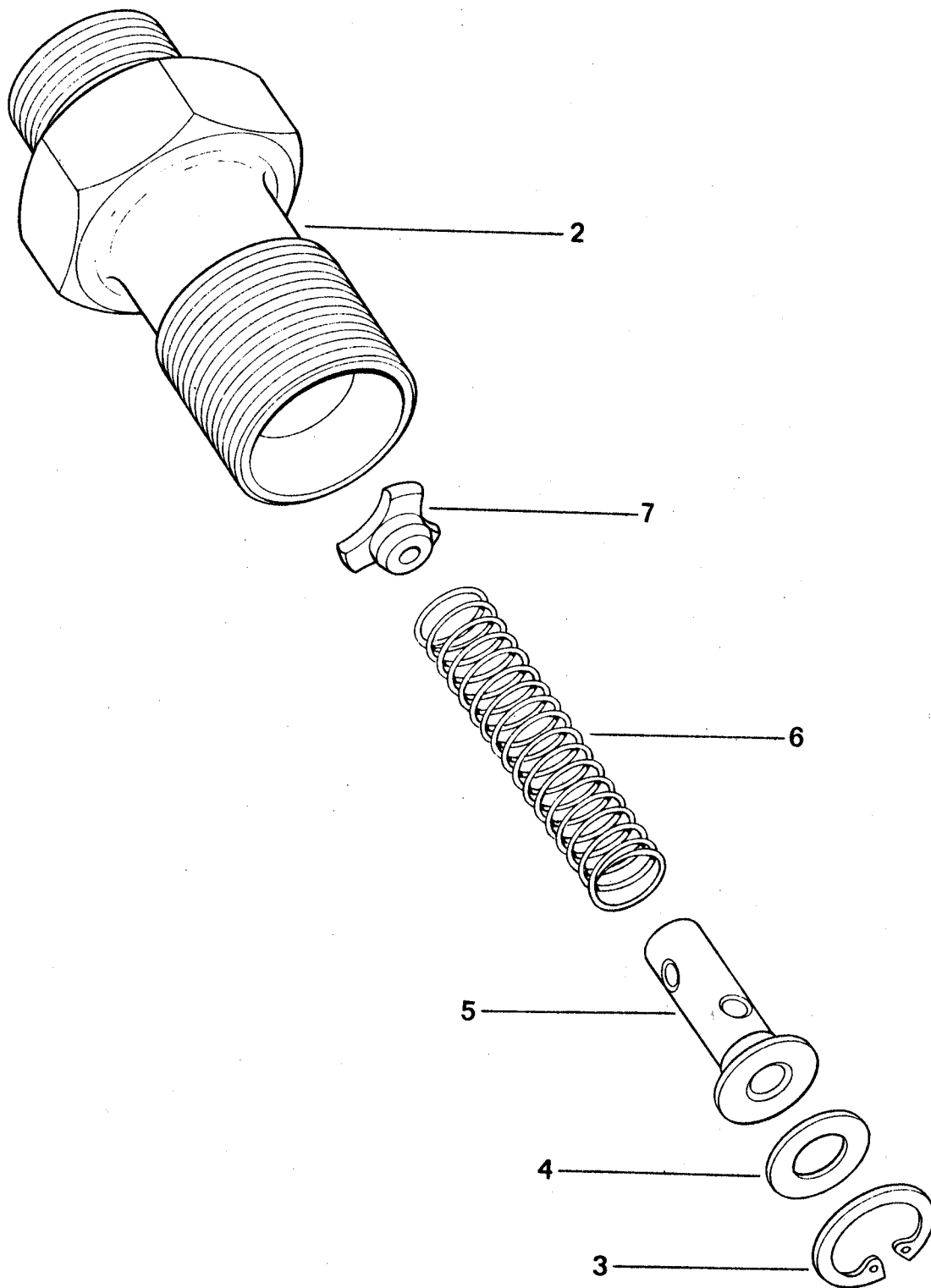


Fig.10 Valve, pressure raising

DETAILED PARTS LIST

AP 103D-0304-3A

VALVE, PRESSURE RAISING

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
	123456			
10	1+ PRV 100	Valve, pressure raising		
2	77631084	.Housing		RF
3	77631074	.Circlip		1
4	77631080	.Shim		1
5	77114325	.Collar		1
6	77114559	.Spring		1
7	77114312	.Plate, valve		1

+ Item not illustrated

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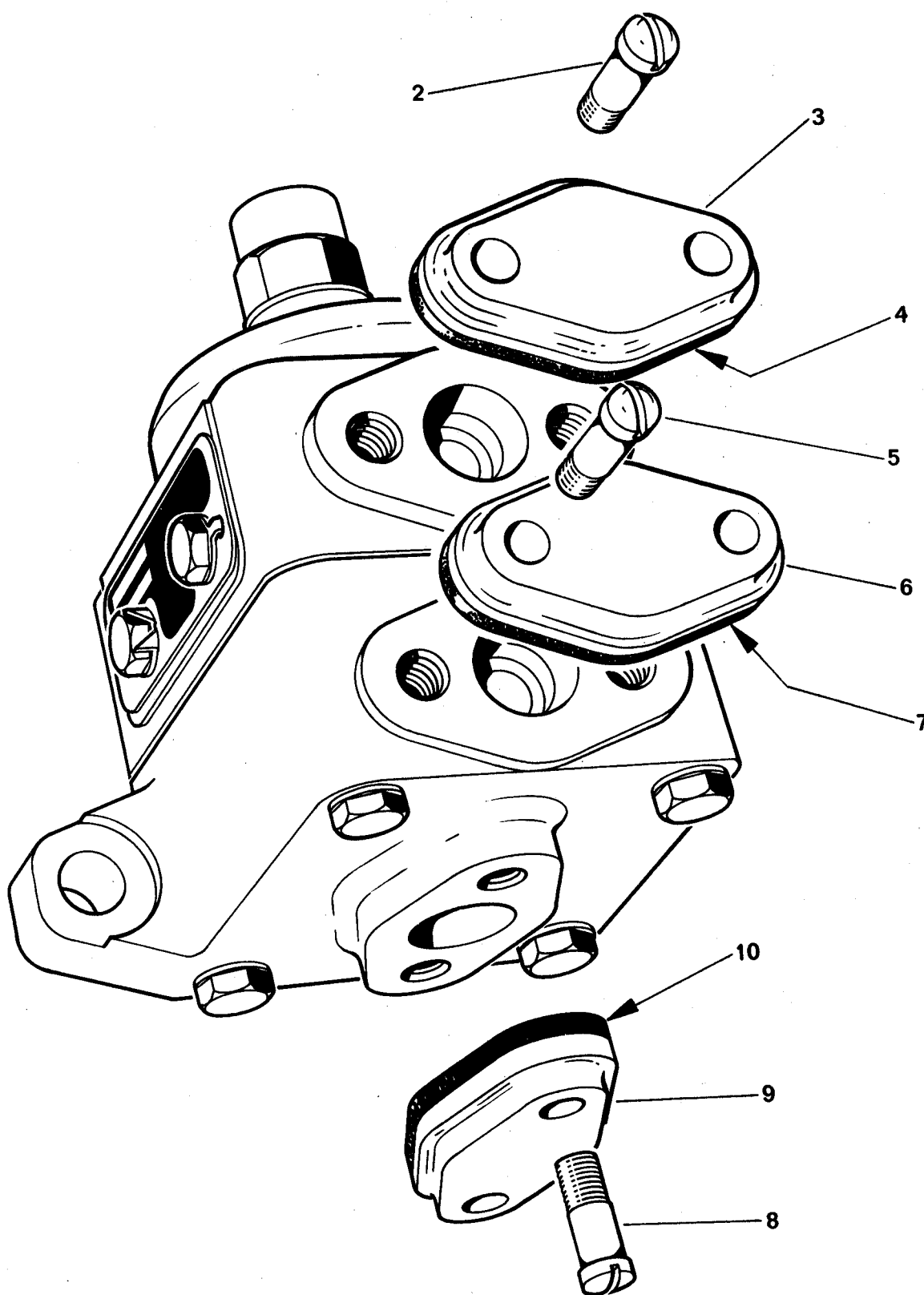


Fig.11 Valve, idling control:- storage items

VALVE, IDLING CONTROL:- STORAGE ITEMS

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
	123456			
11- 1+	IV 100	Valve, idling control		RF
2	77850508	. Bolt)		2
3	77850841	. Cover, transportation)		1
4	77850844	. Gasket)		1
5	77850508	. Bolt)		2
6	77850841	. Cover, transportation) Storage items		1
7	77850844	. Gasket)		1
8	77850508	. Bolt)		2
9	77850841	. Cover, transportation)		1
10	77850844	. Gasket)		1

+ Item not illustrated

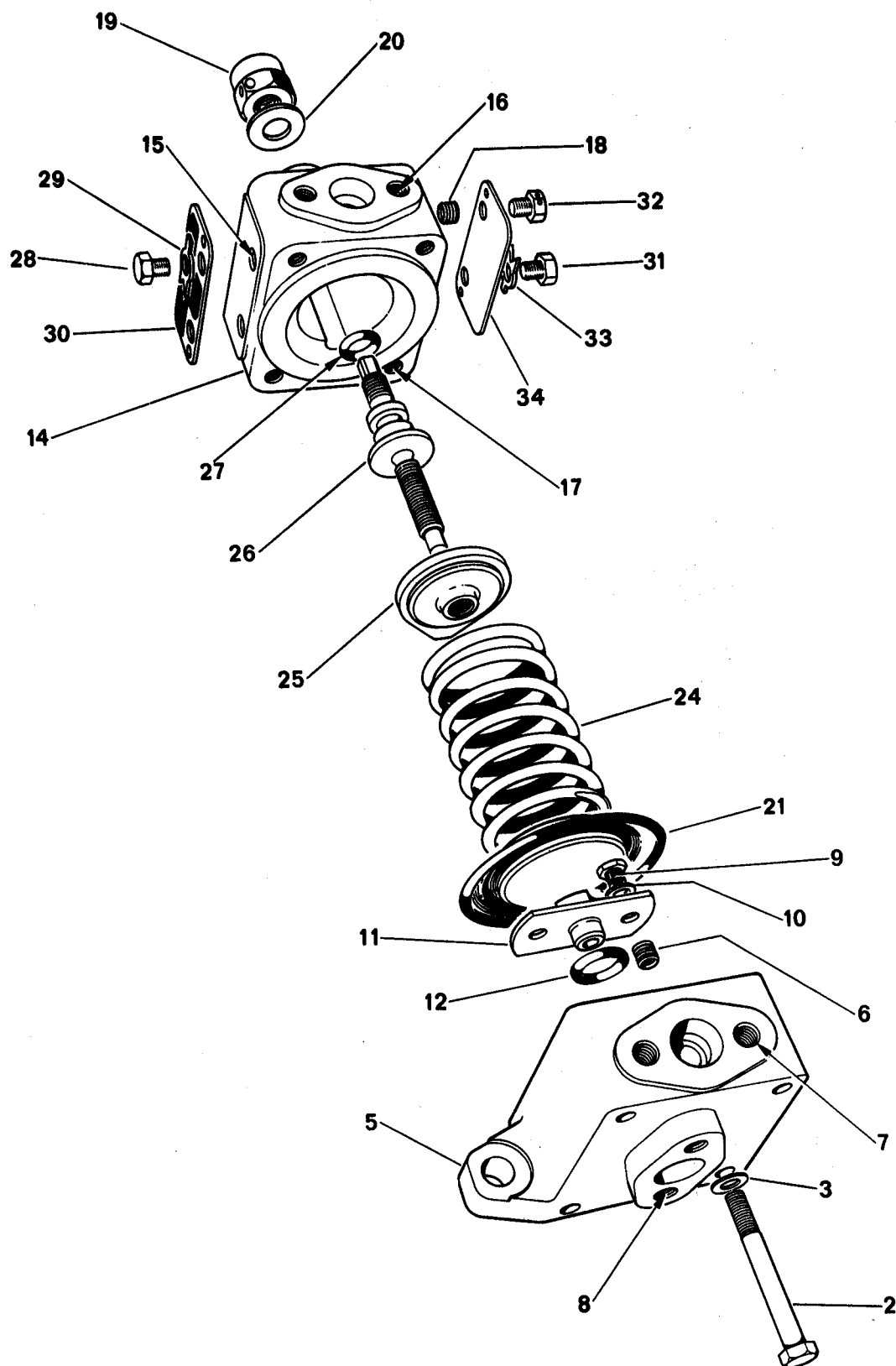


Fig.12 Valve, idling control:- exploded view

VALVE, IDLING CONTROL

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
	123456			
12- 1+	IV 100	Valve, idling control		RF
2	GTS 155-17	.Bolt		4
3	GTS 51-5G	.Washer - shim		4
4+	77141119	.Housing assembly, orifice		RF
5	77141117	..Housing, orifice		1
6	GTS 327-19	..Insert, wire		2
7	GTS 238-22	..Insert, wire		2
8	GTS 238-22	..Insert, wire		2
9	GTS 192-2	..Bolt		2
10	GTS 51-7G	..Washer, tab		2
11	77141851	..Orifice		1
12	GTS 240-4	..Ring, sealing		1
13+	77141115	..Housing assembly diaphragm		RF
14	77141103	..Housing, diaphragm		1
15	GTS 117-13	..Insert, wire thread		2
16	GTS 238-22	..Insert, wire thread		2
17	GTS 327-20	..Insert, wire thread		4
18	GTS 117-13	..Insert, wire thread		2
19	77117288	..Nut, shroud		1
20	77117289	..Washer		1
21	77140909	..Diaphragm assembly		1
22+	77140911	...Seat, spring		RF
23+	77140910	...Plate, valve		RF
24	77143620	..Spring		1
25	77141116	..Seat, spring		1
26	77140981	..Screw, adjusting		1
27	GTS 240-2	..Ring, sealing		1
28	GTS 72-1	.Bolt		2
29	GTS 33-1	.Washer, tab		2
30	77209523	.Plate, name		1
31	GTS 72-1	.Bolt		1
32	GTS 72-1A	.Bolt		1
33	GTS 33-1	.Washer, tab		2
34	77209526	.Plate, modification		1

+ Item not illustrated

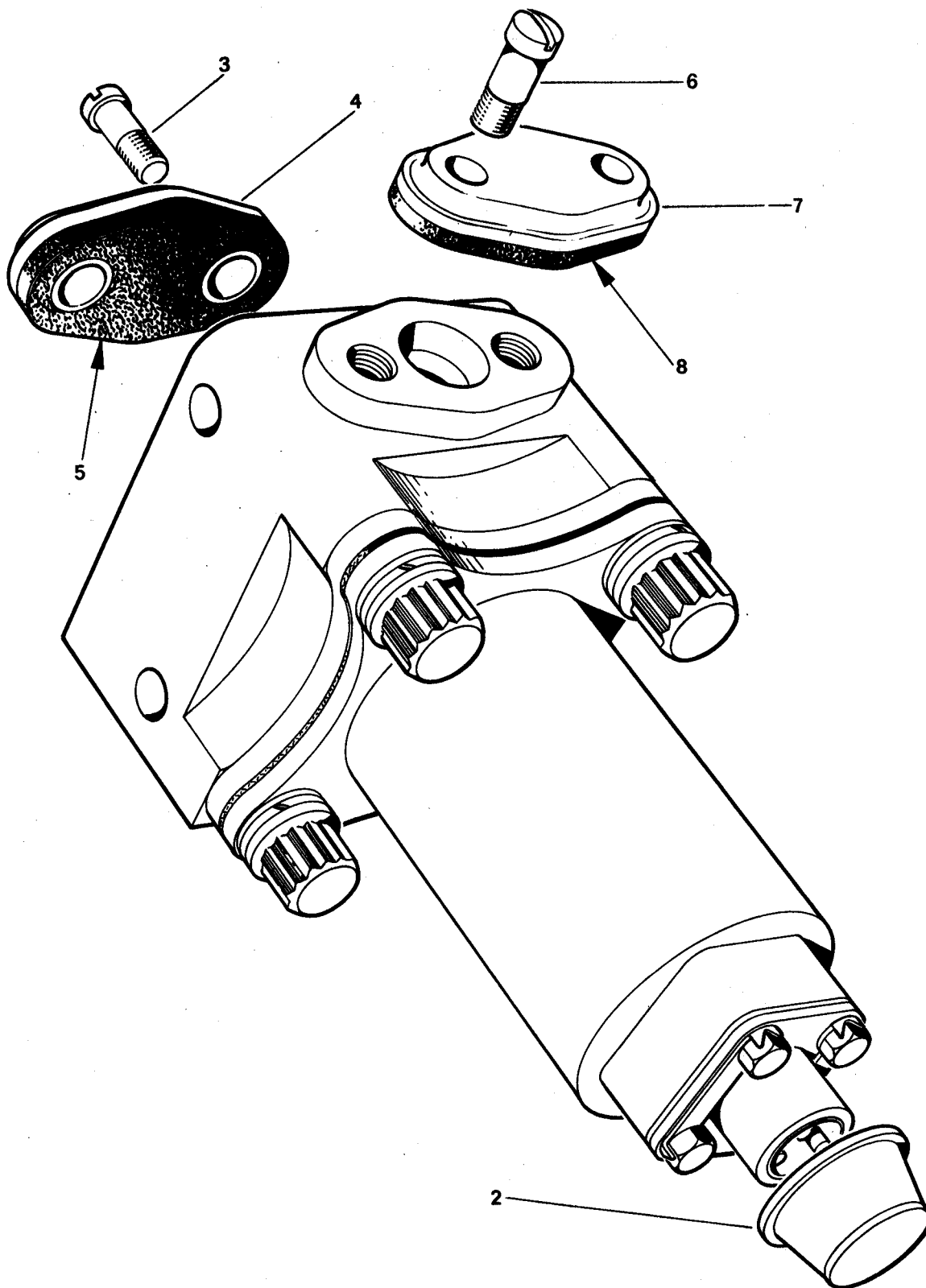


Fig.13 Valve, APU solenoid:- storage items

DETAILED PARTS LIST

VALVE, APU SOLENOID:- STORAGE ITEMS

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
13-1+	SV 108		Valve, APU solenoid		RF
2	GTS 176-10		. Cap, dust (Pre-mod.CP6593))		1
2A	GTS 176-11		. Cap, dust (Mod.CP6593))		1
3	77850508		. Bolt)		2
4	77850841		. cover, transportation)		1
5	77850844		. Gasket) Storage		1
6	77850508		. Bolt) items		2
7	77850841		. Cover, transportation)		1
8	77850844		. Gasket)		1

+Item not illustrated

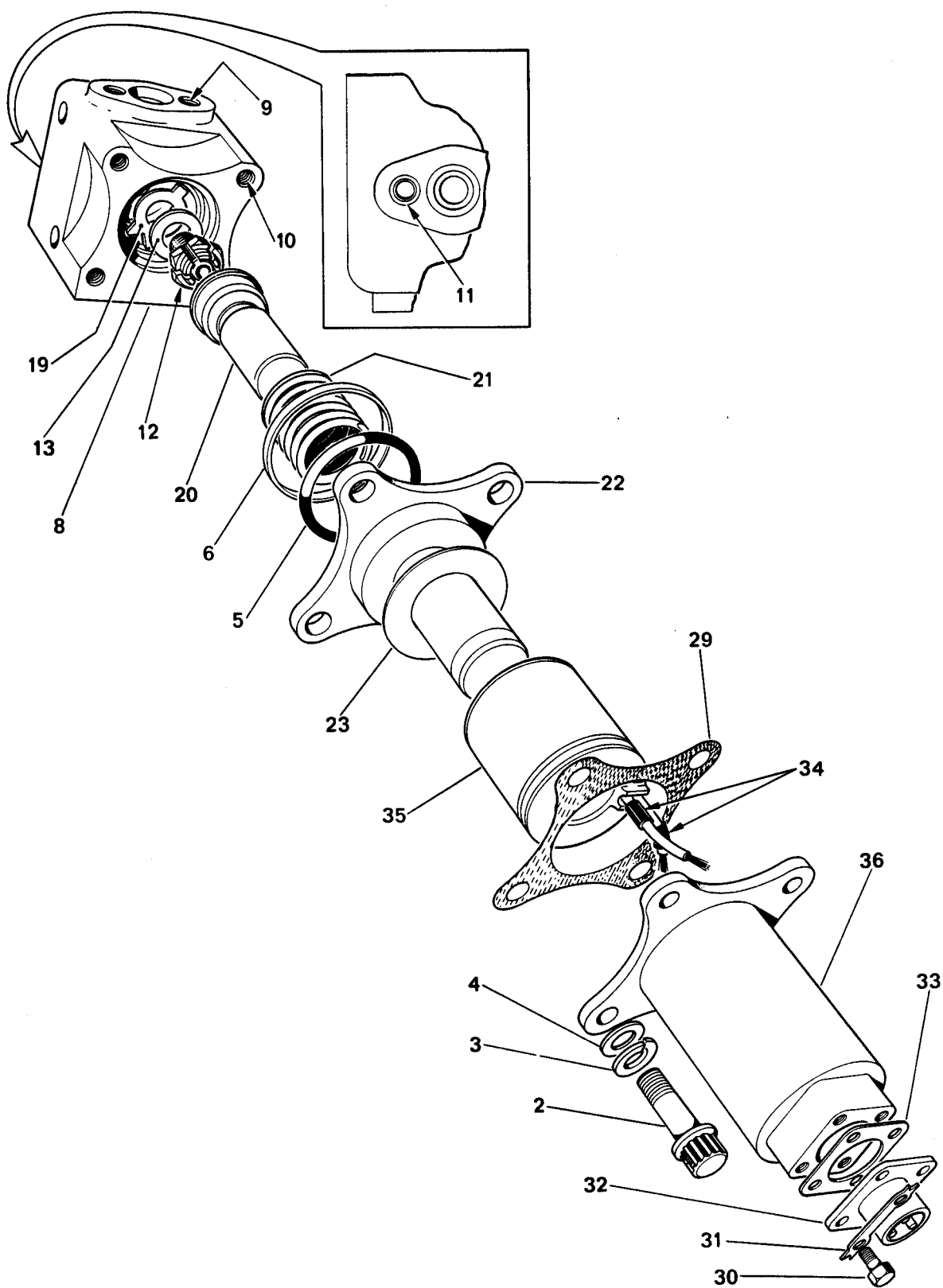


Fig.14 Valve, APU solenoid:- exploded view

DETAILED PARTS LIST

AP 103D-0304-3

VALVE, APU SOLENOID

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
14-1+	SV 108		Valve, APU solenoid		RF
2	GTS 273-8		. Bolt (Pre-mod. CP5393)		4
2A	GTS 273-6		. Bolt (Mod. CP5393)		4
3	GTS 168-1		. Washer, spring		4
4	GTS 167-4		. Washer, plain		4
5	GTS 254-13		. Ring, sealing		1
6	GTS 266-13		. Ring, sealing		1
7+	77734311		. Body assembly, valve		RF
8	7773410		. . Body, valve		1
9	GTS 116-31		. . Insert, wire thread		2
10	GTS 116-31		. . Insert, wire thread		4
11	GTS 116-31		. . Insert, wire thread		2
12	77142000		. Orifice assembly		1
13	GTS 51-8C		. Washer, shim, 0.002 in		AR
14+	GTS 51-8D		. Washer, shim, 0.0032 in		AR
15+	GTS 51-8E		. Washer, shim, 0.0048 in		AR
16+	GTS 51-8F		. Washer, shim, 0.010 in		AR
17+	GTS 51-8G		. Washer, shim, 0.0148 in		AR
18+	GTS 51-8H		. Washer, shim, 0.020 in		AR
19	GTS 33-3		. Washer, tab		1
20	77735160		. Valve assembly		1
21	77240423		. Spring		1
22	77208244		. Tube assembly, coil		1
23	GTS 51-13C		. Washer, shim, 0.002 in		AR
24+	GTS 51-13D		. Washer, shim, 0.0032 in		AR
25+	GTS 51-13E		. Washer, shim, 0.0048 in		AR
26+	GTS 51-13F		. Washer, shim, 0.010 in		AR
27+	GTS 51-13G		. Washer, shim, 0.0148 in		AR
28+	GTS 51-13H		. Washer, shim, 0.010 in		AR
▶ 29	77110550		. Gasket (Pre-mod. CP6566)		1
29A	77087605		. Gasket (Mod. CP6566)		1
30	GTS 192-1		. Bolt		4
31	77209552		. Washer, lock		2
32	77734450		. Receptacle		1
▶ 33	77204209		. Gasket (Pre-mod. CP6566)		1
33A	77087604		. Gasket (Mod. CP6566)		1
34	77112012		. Sleeve, heat shrinkage		2
35	77241308		. Winding assembly		1
36	77734312		. Case, solenoid		1

+Item not illustrated

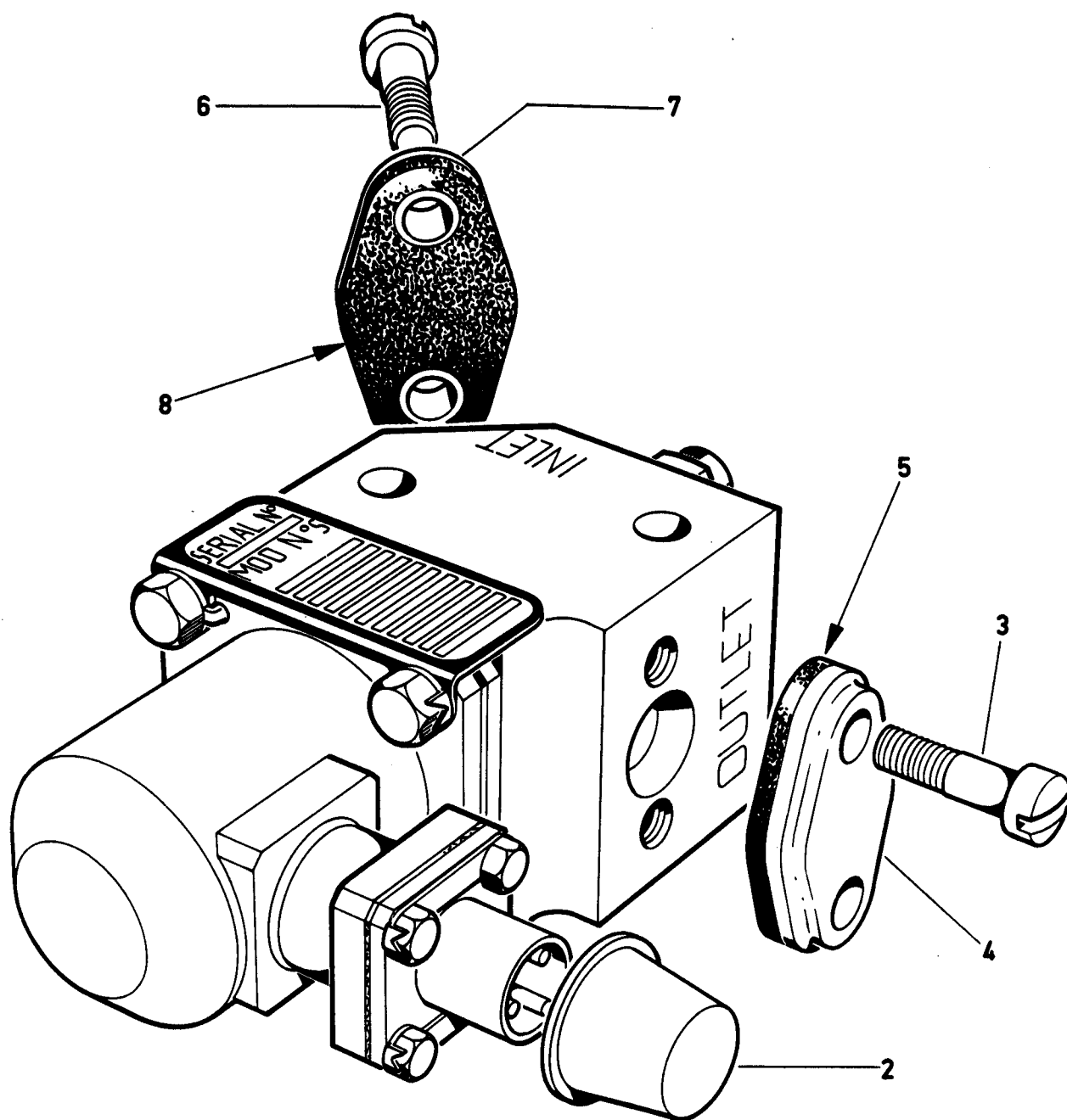


Fig.15 Valve, idle solenoid:- storage items

DETAILED PARTS LIST VALVE, IDLE SOLENOID:- STORAGE ITEMS

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
15-1+	SV 109		Valve, idle solenoid		RF
▶ 2	GTS 176-10		. Cap, dust (Pre-mod. CP6593))		1
2A	GTS 176-11		. Cap, dust (Mod. CP6593)	)	1
3	77850508		. Bolt	)	2
4	77850841		. Cover, transportation	)	1
5	77850844		. Gasket	) Storage	1
6	77850508		. Bolt	) items	2
7	77850841		. Cover, transportation	)	1
8	77850844		. Gasket	)	1

+Item not illustrated

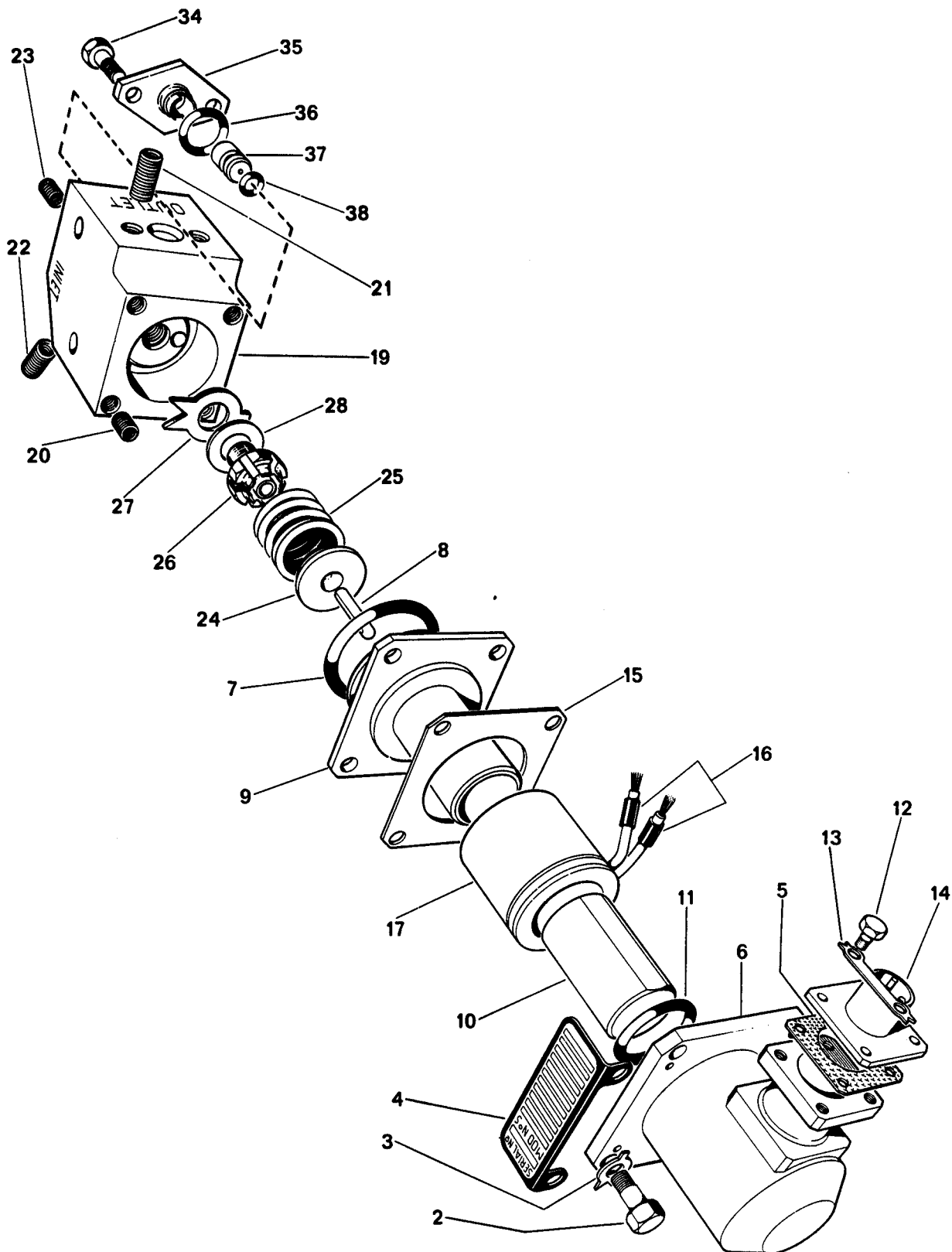


Fig.16 Valve, idle solenoid:- exploded view

DETAILED PARTS LIST

VALVE, IDLE SOLENOID

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
16-1+	SV 109		Valve, idle solenoid		RF
2	GTS 235-5		. Bolt		4
3	GTS 33-1		. Washer, tab		4
4	77209554		. Plate, modification		1
5	77142795		. Washer, shim		1
6	77209549		. Brazing assembly, solenoid body		1
7	GTS 240-12		. Ring, sealing		1
8	77209547		. Rod, push		1
9	77142957		. Anvil and tube assembly, coil		1
10	77209548		. Plunger		1
11	GTS 227-6		. Ring, sealing		1
12	GTS 192-1		. Bolt		4
13	77209552		. Washer, tab, double ended		2
14	77734449		. Receptacle		1
15	77204209		. Gasket (Pre-mod. CP6566)		1
15A	77087604		. Gasket (Mod. CP6566)		1
16	77112012		. Sleeve, heat shrinkage		2
17	77082435		. Winding assembly		1
18+	77143347		. Housing assembly, orifice		RF
19	77143346		. . Housing, orifice		1
20	GTS 117-25		. . Insert, wire thread		4
21	GTS 238-22		. . Insert, wire thread		2
22	GTS 238-22		. . Insert, wire thread		2
23	GTS 327-20		. . Insert, wire thread		2
24	77462201		. Valve		1
25	77462239		. Spring		1
26	77143621		. Orifice		1
27	GTS 33-3		. Washer, tab		1
28	GTS 51-8C		. Washer, shim, 0.002 in		AR
29+	GTS 51-8D		. Washer, shim, 0.0032 in		AR
30+	GTS 51-8E		. Washer, shim, 0.0048 in		AR
31+	GTS 51-8F		. Washer, shim, 0.010 in		AR
32+	GTS 51-8G		. Washer, shim, 0.0148 in		AR
33+	GTS 51-8H		. Washer, shim, 0.020 in		AR
34	GTS 195-4		. Bolt		2
35	77143731		. Plate, cover		1
36	GTS 240-7		. Ring, sealing		1
37	77143700		. Orifice assembly		1
38	GTS 240-2		. Ring, sealing		1

+Item not illustrated

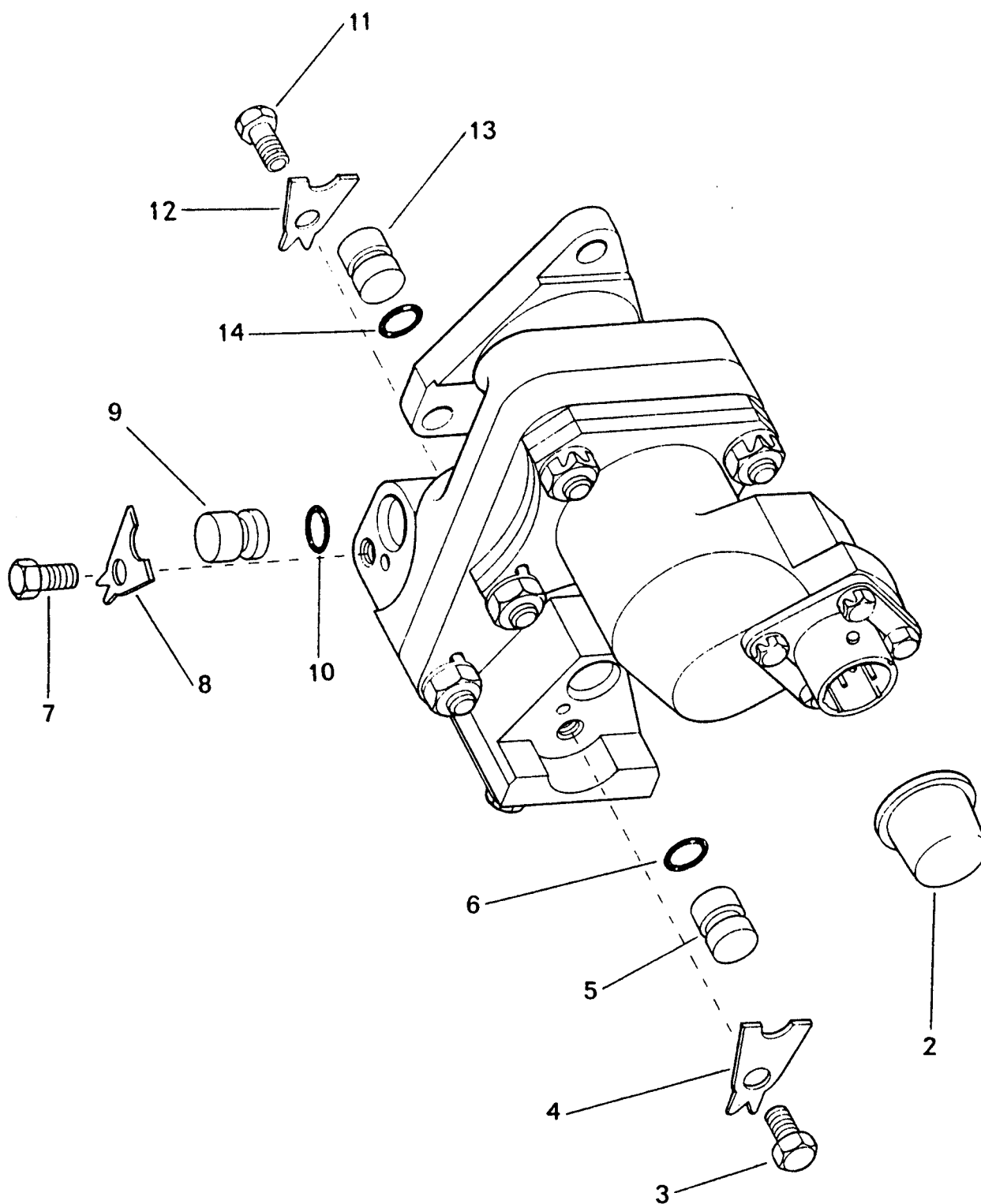


Fig.17 Cock, shut-off, and valve, dump,
solenoid operated:- storage items

DETAILED PARTS LIST

COCK, SHUT-OFF, AND VALVE, DUMP, SOLENOID OPERATED:-
STORAGE ITEMS

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
17-1+	SDV 102		Cock, shut-off, and valve, dump, solenoid operated CR201, CR202 (Pre-Mod. LM3166)		RF
1+	SDV 106		Cock, shut-off, and valve, dump solenoid operated CR202 (Mod. LM3166)		RF
2	GTS 176-10		. Cap, dust)		1
3	77066417		. Bolt)		1
4	77068435		. Washer, tab)		1
5	77110023		. Plug, dust)		1
6	GTS 240-2		. Ring, sealing)		1
7	77066417		. Bolt)	Storage items	1
8	77068435		. Washer, tab)		1
9	77110023		. Plug, dust)		1
10	GTS 240-2		. Ring, sealing)		1
11	77066417		. Bolt)		1
12	77068435		. Washer, tab)		1
13	77110023		. Plug, dust)		1
14	GTS 240-2		. Ring, sealing)		1

+Item not illustrated

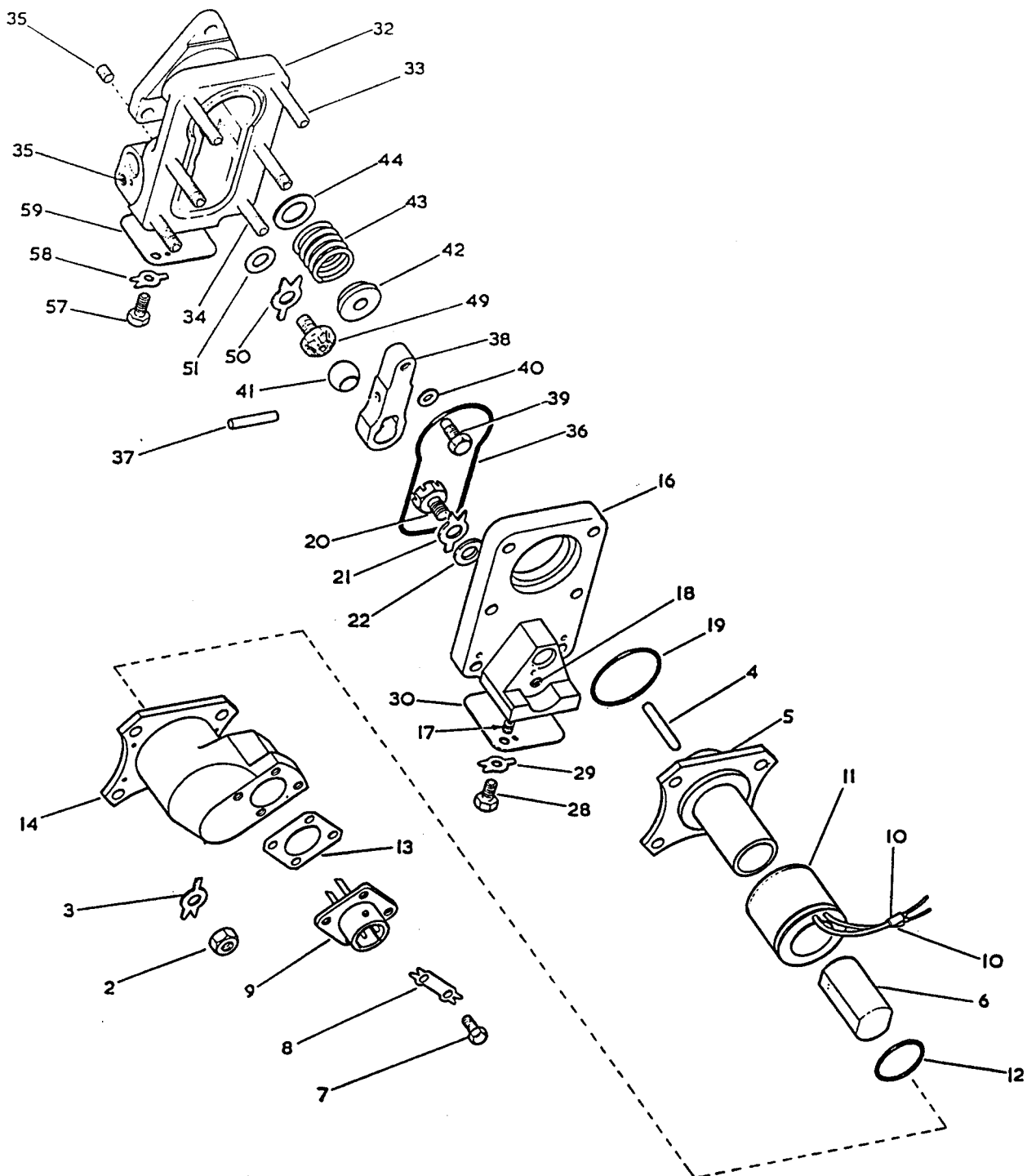


Fig. 18 Cock, shut-off, and valve, dump
solenoid operated:- exploded view

DETAILED PARTS LIST

COCK, SHUT-OFF, AND VALVE, DUMP, SOLENOID OPERATED

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
18-1+	SDV 102		Cock, shut-off, and valve, dump, solenoid operated CR201, CR202 (Pre-Mod. LM3166)	A	RF
1+	SDV 106		Cock, shut-off, and valve, dump, solenoid operated. CR202 (Mod. LM3166)	B	RF
2	GTS 76-4		. Nut		6
3	7460310		. Washer, tab		6
4	77209733		. Rod, push		1
5	77209727		. Anvil and tube assembly, coil		1
6	77209548		. Plunger		1
6A	77148782		. Plunger (Pref.alternative to item 6)		1
7	GTS 192-1		. Bolt		4
8	77209552		. Washer, tab		2
9	77732930		. Receptacle		1
10	77112012		. Sleeve, heat, shrinkable		2
11	77082435		. Winding assembly		1
12	GTS 227-6		. Ring, sealing		1
13	77204209		. Gasket (Pre-mod. CP6566)		1
13A	77087604		. Gasket (Mod. CP6566)		1
14	77209567		. Body, solenoid		1
15+	77209726		. Base assembly, valve		RF
16	77209569		. . Base, valve. Machining		1
17	GTS 117-13		. . Insert, wire		2
18	GTS 117-14		. . Insert, wire		1
19	GTS 249-14		. Ring, sealing		1
20	77204302		. Orifice assembly		1
21	GTS 33-2		. Washer, tab		1
22	GTS 51-3C		. Washer, shim, 0.002 in		AR
23+	GTS 51-3D		. Washer, shim, 0.0032 in		AR
24+	GTS 51-3E		. Washer, shim, 0.0048 in		AR
25+	GTS 51-3F		. Washer, shim, 0.010 in		AR
26+	GTS 51-3G		. Washer, shim, 0.0148 in		AR
27+	GTS 51-3H		. Washer, shim, 0.020 in		AR
28	GTS 72-1		. Bolt		2
29	GTS 33-1		. Washer, tab		2
30	77209737		. Plate, modification		1
31+	77209736		. Bracket assembly, mounting		RF
32	77209568		. . Bracket, mounting		1
33	77209735		. . Stud		4
34	77209734		. . Stud		2
35	GTS 117-14		. . Insert, wire		2
36	77204311		. Ring, sealing		1
37	77209738		. Pin, pivot		1
38	77209732		. Lever		1

+Item not illustrated

DETAILED PARTS LIST COCK, SHUT-OFF, AND VALVE, DUMP, SOLENOID OPERATED

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
18-39	77209739		. Screw, tappet		1
40	77491163		. Washer, shim, laminated		AR
▶ 40A	77143423		. Washer, shim)		AR
40B	77143424		. Washer, shim) Preferred		AR
40C	77143425		. Washer, shim) alternative		AR
40D	77143426		. Washer, shim) to item 40		AR
41	77491257		. Valve		1
42	77110025		. Valve		1
▶ 43	77462239		. Spring	A	1
43A	77134805		. Spring	B	1
44	GTS 51-10C		. Washer, shim, 0.002 in		AR
45+	GTS 51-10D		. Washer, shim, 0.0032 in		AR
46+	GTS 51-10E		. Washer, shim, 0.0048 in		AR
47+	GTS 51-10F		. Washer, shim, 0.010 in		AR
48+	GTS 51-10G		. Washer, shim, 0.0148 in		AR
▶ 49	77204302		. Orifice assembly	A	1
49A	77134809		. Orifice assembly	B	1
50	GTS 33-2		. Washer, tab		1
51	GTS 51-3C		. Washer, shim, 0.002 in		AR
52+	GTS 51-3D		. Washer, shim, 0.0032 in		AR
53+	GTS 51-3E		. Washer, shim, 0.0048 in		AR
54+	GTS 51-3F		. Washer, shim, 0.010 in		AR
55+	GTS 51-3G		. Washer, shim, 0.0148 in		AR
56+	GTS 51-3H		. Washer, shim, 0.020 in		AR
57	GTS 72-1		. Bolt		2
58	GTS 33-1		. Washer, tab		2
59	77190276		. Plate, name		1