

GM RANGE
MULTI-PRESSURE FIRE PUMP

SPARE PARTS SECTION

INTRODUCTION

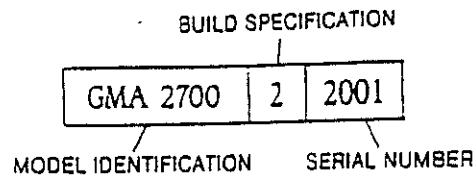
**This Spares List covers the following in the
GM Multi-Pressure Fire Pump Range:**

Model	Rating
GMA 2700 -- Aluminium	Nominal Output 2700 litres/min at 3m lift.
GMB 2700 -- Bronze	
GMA 3600 -- Aluminium	Nominal Output 3600 litres/min at 3m lift.
GMB 3600 -- Bronze	
GMA 5300 -- Aluminium	Nominal Output 5300 litres/min at 3m lift.
GMB 5300 -- Bronze	

TO ORDER SPARES

ALWAYS QUOTE

- (1) **Pump Serial Number.** as stamped on the L.H.-side of the volute body (looking towards the suction tube).
An example of the identification of numbers is shown here:



- (2) **Item Number, Part Number and Description** as given in this Spare Parts List.

IMPORTANT: The Company will not accept responsibility for parts not ordered in accordance with these instructions.

GENERAL

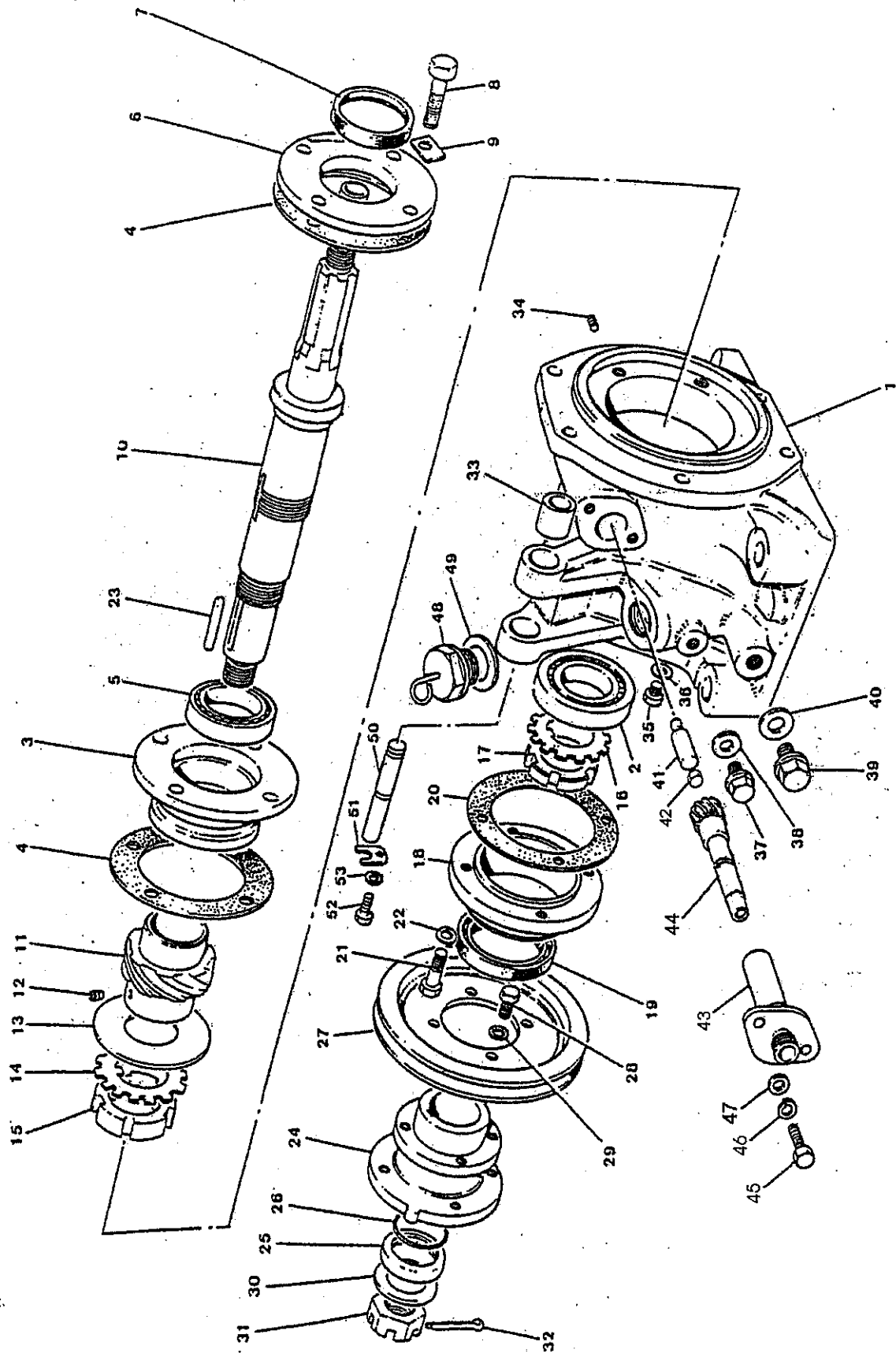
- (1) **PAYMENT:**
In the absence of an approved account, goods will be invoiced "Pro-Forma" or sent C.O.D.
- (2) **DELIVERY:**
Delivery is Ex-Works, carriage and packing being extra.
- (3) **DAMAGE:**
The Company does not hold itself responsible for goods lost or damaged in-transit. All packages should be signed-for on receipt as "Unexamined". In the event of loss or damage, a claim should be made on the carrier without delay.
- (4) **PARTS CLAIMED TO BE DEFECTIVE AND REPLACEABLE UNDER GUARANTEE:**
Such parts must be returned to the Works, carriage-paid for examination.
The DATE-OF-DELIVERY and the PUMP SERIAL NUMBER must ALWAYS be given.
The COST of the CARRIAGE and ANY WORK entailed in fitting re-placement parts is CHARGEABLE to the claimant.
- (5) **PATTERNS:**
If there is any doubt, send the old parts as patterns; such patterns must be LABELLED CLEARLY, INDICATING THE SENDER'S NAME AND ADDRESS.
Note: If the patterns are to be returned, they must be MARKED accordingly, or they will be scrapped.
- (6) **WARNING:**
It is of the UTMOST IMPORTANCE that ONLY GENUINE PARTS SUPPLIED BY GODIVA are used, otherwise the Guarantee will be null and void.
- (7) **SALES:**
All sales are made subject to the Company's Standard Conditions of Sale in force at the time of sale.

CONTENTS

SPARE PARTS LIST

BEARING HOUSING ASSEMBLY	1
HIGH-PRESSURE STAGE	6
LOW-PRESSURE STAGE	8
CROSS-OVER PIPE ASSEMBLY	12
PRIMING SYSTEM (Water Ring Primer)	16
PRIMING SYSTEM (Piston Primer)	18
PRIMER LIFT-OFF CYLINDER	20
DIAPHRAGM PRIMING VALVE	22
WATER RING PRIMER	24
POSITIVE PISTON PRIMER	28
BYPASS AND UNLOADING VALVE	32
SUCTION TUBE AND MANIFOLD	36
SCREW-DOWN DELIVERY VALVE	40
BALL DELIVERY VALVE	44
RECOMMENDED SPARES	45

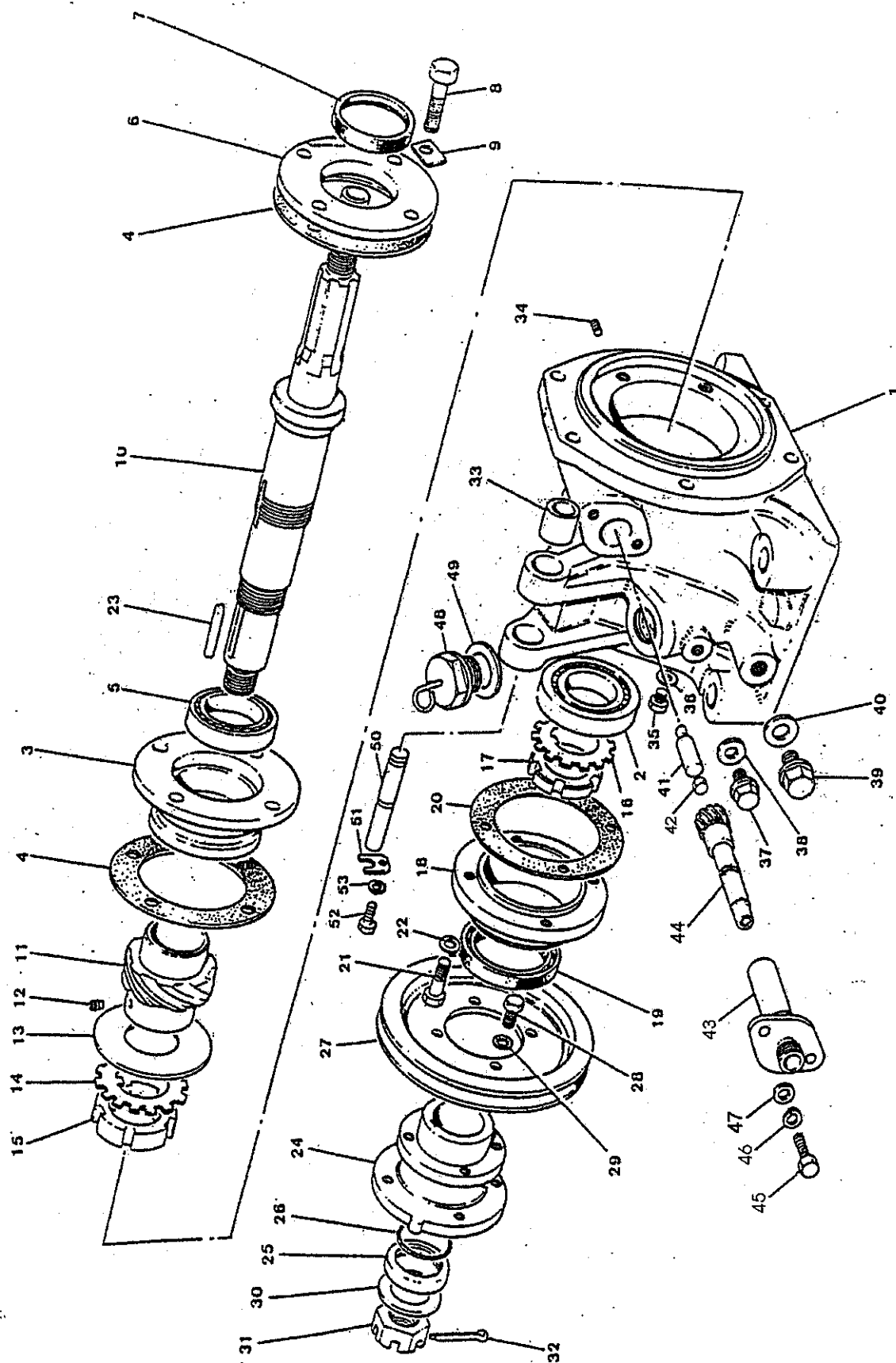
BEARING HOUSING ASSEMBLY



BEARING HOUSING ASSEMBLY

Item No.	Description	Part No.	Qty. Per Unit
1	Bearing housing	UMP9388	1
2	Taper roller bearing (rear)	UMP9389	1
3	Front bearing mount	UMP9390	1
4	Joint	UMP9392	2
5	Taper roller bearing (front)	UMP9393	1
6	Oil seal mounting (front)	UMP9394	1
7	Oil seal (front)	UMP9395	1
8	Screw M8	MS05/30	4
9	Tabwasher 5/16 in.	UFP2609	4
10	Pumpshaft	UMP9396	1
11	Rev.-counter drive gear	UMP9397	1
12	Grubscrew M8	MS59/8/12	1
13	Oil flinger	UMP9398	1
14	Tabwasher	UMP9399	1
15	Locknut	UMP9402	1
16	Tabwasher	UMP9401	1
17	Locknut	UMP9400	1
18	Oil seal mounting (rear)	UMP9403	1
19	Oil seal – rear	UMP9404	1
20	Joint	UMP9392	1
21	Screw M8	MS05/20	4
22	Spring washer	MS29/6	4
23	Key	MS80/15	1
24	Drive flange	UMP9406	1
25	Seal mounting	UMP9669	1
26	‘O’ ring	UMP9700	1
27	Pump pulley	2042	1
28	Screw M8	MS05/16	6
29	Shakeproof washer	MS31/5	6
30	Washer	MS27/12	1
31	Nut M24, slotted	UMP9703	1
32	Split pin	MS178/69	1
33	Bush (primer fulcrum)	UFP2277	2
34	Set-screw M8, hollow	MS56/8/12	2
35	Plug 1/8 in. BSP	S64/1	1
36	Dowty seal 1/8 in. BSP	UFP2303/3	1
37	Plug 1/4 in. BSP	S64/2	1
38	Dowty seal 1/4 in. BSP	UFP2303/5	1
39	Plug 3/8 in. BSP	S64/3	2
40	Dowty seal 3/8 in. BSP	UFP2303/7	2
41	Pin locating	UFP2273	1

BEARING HOUSING ASSEMBLY



BEARING HOUSING ASSEMBLY (Continued)

Item No.	Description	Part No.	Qty (Per Unit)
42	Button Thrust	1312	1
43	Housing	1290/2	1
44	Pinion, rev.-counter drive	1842/3	1
45	Screw M8	MS05/20	2
46	Spring washer M8	MS29/6	2
47	Washer M8	MS25/9	2
48	Breather plug	UFP9551	1
49	Dowty seal	UFP2303/13	1
50	Primer fulcrum pin	UFP2275	1
51	Locating plate	UFP2274	1
52	Screw M8	MS05/16	1
53	Spring washer M8	MS29/6	1

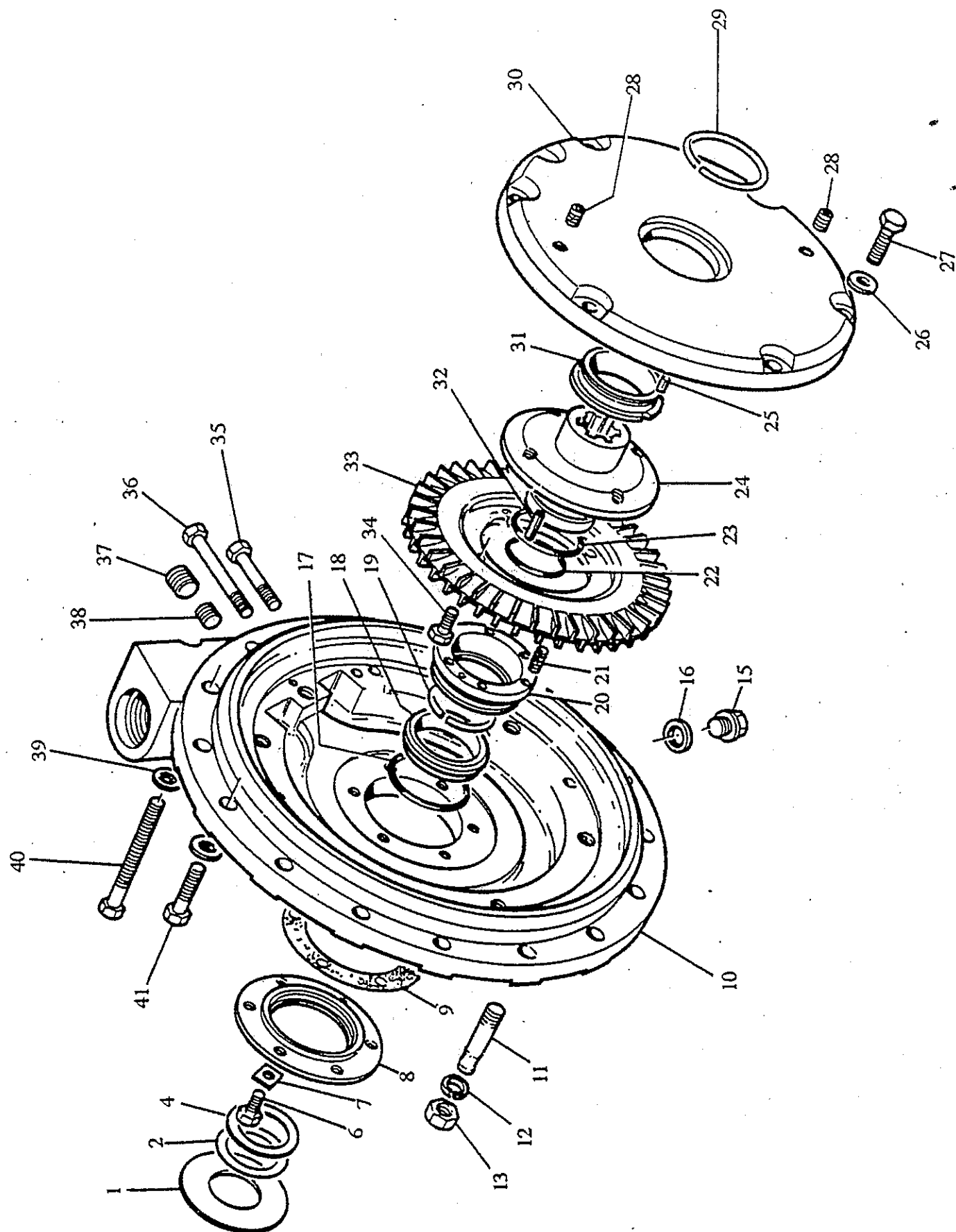
This assembly is used on all models with 1410 drive flange

(For all other variations please contact your nearest Customer Service Department)

ALSO AVAILABLE (ALL MODELS):

Tachometer	UFP2568
Tachometer cables:	
- Length 24 in.	UFP2569
- Length 30 in.	UFP2569/5
- Length 36 in.	UFP2569/7
- Length 48 in.	UFP2569/4
- Length 72 in.	UFP2569/8
- Length 84 in.	UFP2569/9
- Length 120 in.	UFP2569/10

HIGH-PRESSURE STAGE

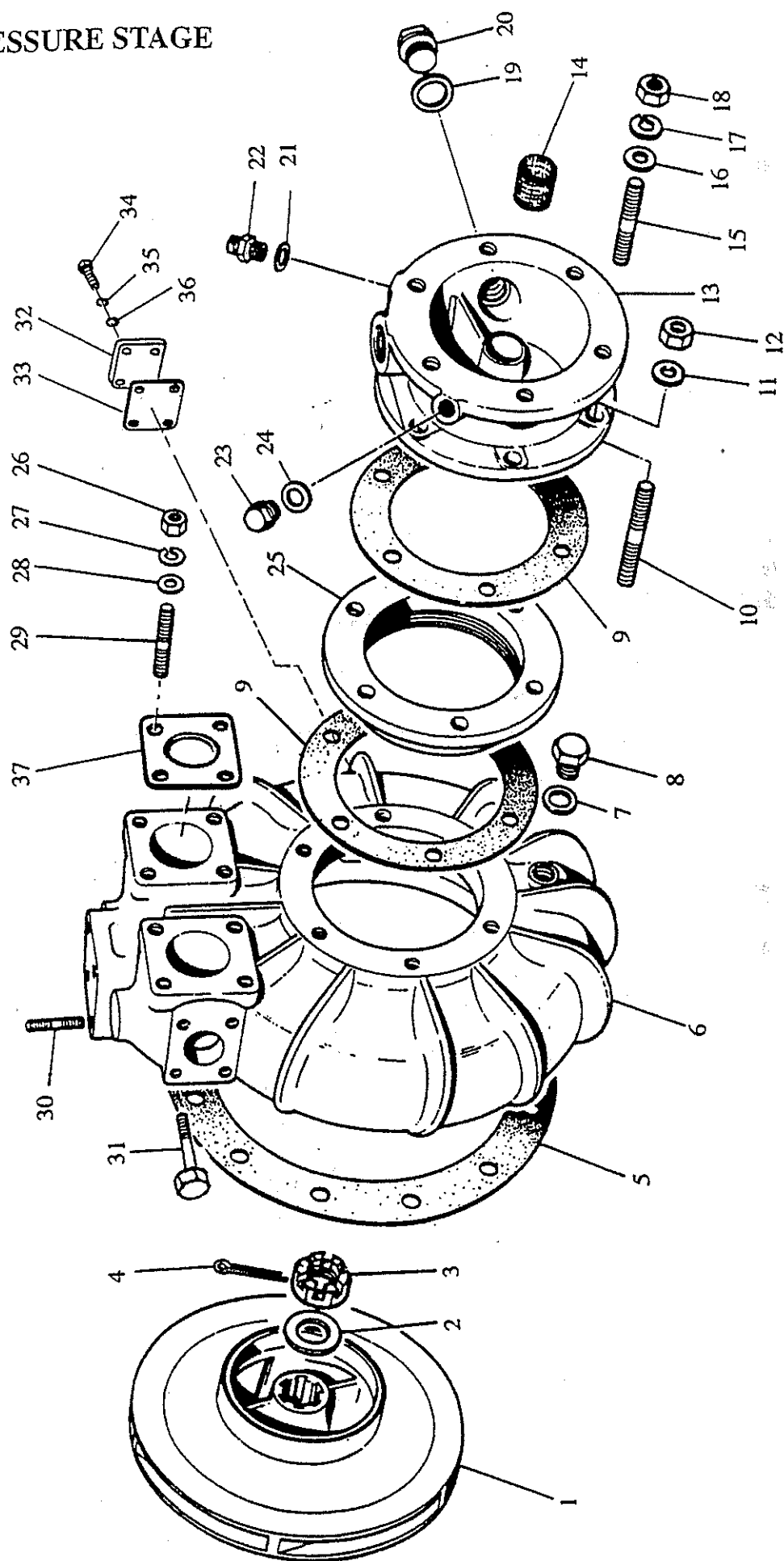


HIGH-PRESSURE STAGE

Item No.	Description	Part No.	Qty (per unit)
1	Water flinger	UMP9409	1
2	Shim 0.002 in. - Pump shaft	UMP9411/1	As Required
3	Shim 0.005 in. - Pump shaft	UMP9411/2	As Required
4	Shim 0.010 in. - Pump shaft	UMP9411/3	As Required
5	Shim 0.015 in. - Pump shaft	UMP9411/4	As Required
6	Screw M6	MS104/16	6
7	Washer M6	MS125/7	6
8	Carbon seal housing	UMP6518	1
9	Joint, carbon seal housing	UMP6538	1
10	Pump head (Aluminium)	UMP6513/9	1 (All GMA units)
	- Pump head (Bronze)	UMP6513/5	1 (All GMB units)
11	Stud M10 x 30	MS49/30	6
12	Spring washer M10	MS29/7	6
13	Nut M10	MS35/9	6
15	Plug, shoulder 1/4 in. BSP	S64/2	2
16	Dowty seal 1/4 in. BSP	UFP2303/5	2
17	'O' ring, seating ring	UFP2301	1
18	Carbon seal	UFP2300	1
19	Circlip	UFP2288	1
20	Seating ring, carbon seal	UMP9367/1	1
21	Spring	UMP9369	6
22	'O' ring, hub-to-shaft	UMP9413	1
23	'O' ring, hub-to-sealing ring	UMP9370	1
* 24	Impeller hub	-	1
25	Spring pin	UMP9416	1
26	Washer M10	MS125/10	7
27	Screw M10	MS106/30	7
28	Set screw, socket	MS156/10/14	2
29	Circlip	UMP9417	1
30	Cover plate (Cast Iron)	55267/01	1 (GMA2700/3600)
	- Cover plate (Stainless Steel)	UMP9410/2	1 (GMB2700/3600)
	- Cover plate (Cast Iron)	55267/02	1 (GMA5300)
	- Cover plate (Stainless Steel)	UMP9410/3	1 (GMB5300)
31	Bush	UMP9415	1
* 32	Spring pin	-	2
33	Impeller-and-Hub assembly	UMP10731/1	1
* 34	Screw M8	-	6
35	Bolt M10	MS18/75	2
36	Bolt M10	MS18/90	1
37	Set screw M16	MS156/16/16	1
38	Set screw M12	MS156/12/14	1
39	Dowty seal	MS33/12	16
40	Bolt M12	MS119/100	3
41	Bolt M12	MS107/35	13

* NOT SUPPLIED SEPARATELY

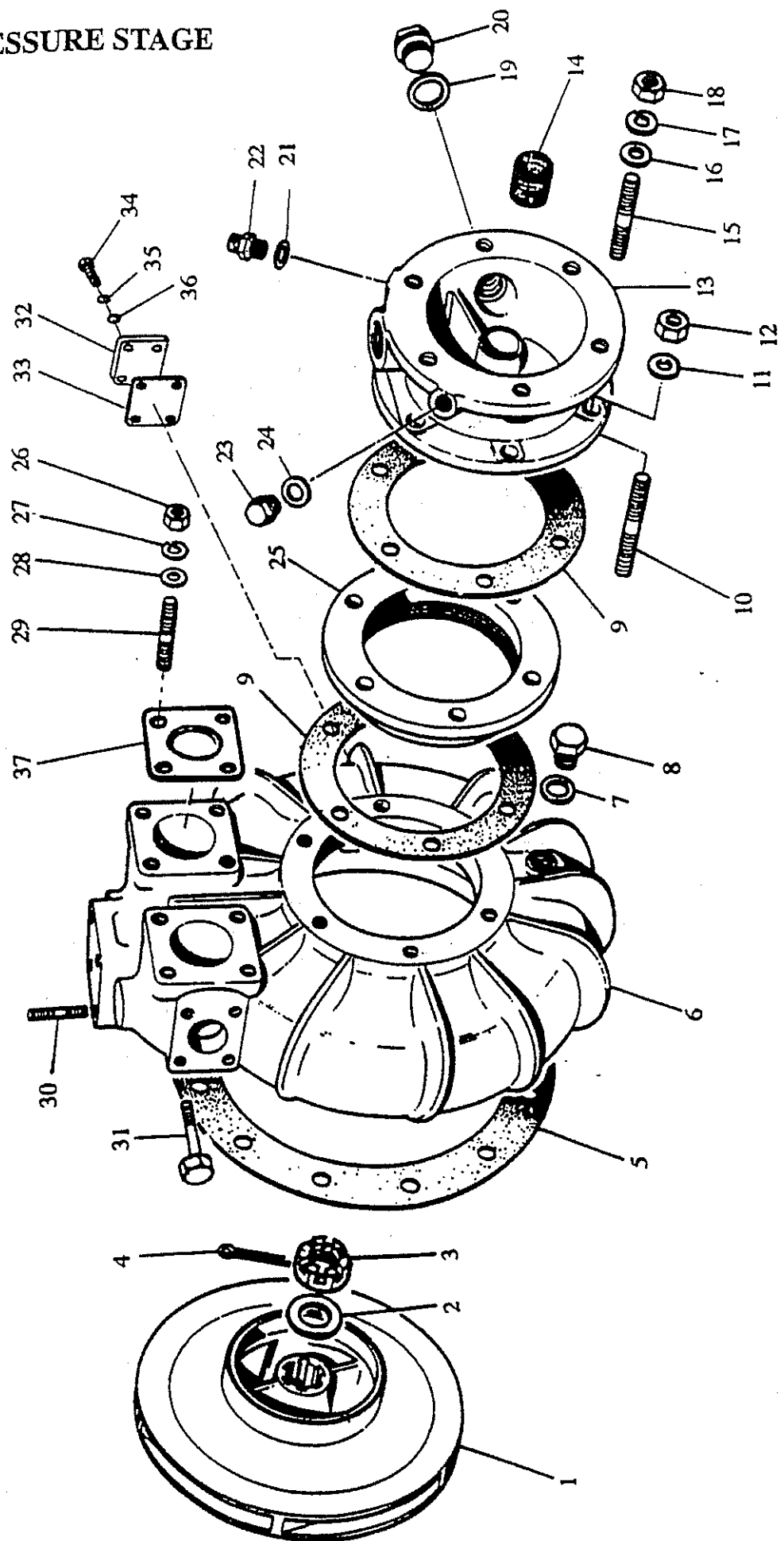
LOW-PRESSURE STAGE



LOW-PRESSURE STAGE

Item No.	Description	Part No.	Qty (per unit)
1	Impeller	UFP4202/21	1 (GMA2700/3600)
-	Impeller	UFP4216/4	1 (GMB2700/3600)
-	Impeller	UFP7664/19	1 (GMA5300)
-	Impeller	UFP7664/15	1 (GMB5300)
2	Washer, impeller nut	UMP6136/1	1
3	Nut M24, slotted	UMP9703	1
4	Split pin	MS178/69	1
5	Joint washer, volute body	UFP2295/1	1
6	Volute body (Aluminium)	UFP8817/11	1 (GMA2700/3600)
-	Volute body (Bronze)	UFP 8817/14	1 (GMB2700/3600)
-	Volute body (Aluminium)	UMP7666/8	1 (GMA5300)
-	Volute body (Bronze)	UMP7666/10	1 (GMB5300)
7	Dowty seal 3/8 in. BSP	UFP2303/7	1
8	Plug 3/8 in. BSP	S64/3	1
9	Joint, suction tube and spacer	FP301	2 (GM2700/3600)
-	Joint, suction tube and spacer	UFP3840	2 (GM5300)
10	Stud M10	MS149/35	6 (GM2700/3600) 8 (GM5300)
11	Dowty seal	MS33/10	6 (GM2700/3600) 8 (GM5300)
12	Nut M10	MS35/9	6 (GM2700/3600) 8 (GM5300)
13	Suction tube spacer (Aluminium)	UMP6508/6	1 (GMA2700/3600)
-	Suction tube spacer (Bronze)	UMP6508/8	1 (GMB2700/3600)
-	Suction tube spacer (Aluminium)	UMP6508/7	1 (GMA5300)
-	Suction tube spacer (Bronze)	UMP6508/9	1 (GMB5300)
14	Bush, spacer-to-pump shaft	UMP6549	1
15	Stud M10	MS49/30	6 (GM2700/3600) 8 (GM5300)
16	Washer M10	MS25/10	6 (GM2700/3600) 8 (GM5300)
17	Spring washer M10	MS29/7	6 (GM2700/3600) 8 (GM5300)
18	Nut M10	MS35/9	6 (GM2700/3600) 8 (GM5300)
19	Dowty seal 1/2 in. BSP	UFP2303/8	2
20	Plug 1/2 in. BSP	S64/4	2
21	Sealing washer 1/4 in. BSP	UFP2303/5	1
22	Union 1/4 in. BSP	S6403	1
23	Plug 1/4 in. BSP	S64/2	1
24	Sealing washer 1/4 in. BSP	UFP2303/5	1
25	Wear ring, suction tube	UFP2545/2	1 (GM2700/3600)
-	Wear ring, suction tube	UFP3837/2	1 (GM5300)
26	Nut M10	MS35/9	8
27	Spring washer M10	MS29/7	8
28	Washer M10	MS25/10	8
29	Stud M10, delivery valve	MS49/30	8
30	Stud M8, priming valve	MS48/20	4
31	Stud M8, elbow	MS148/50	4

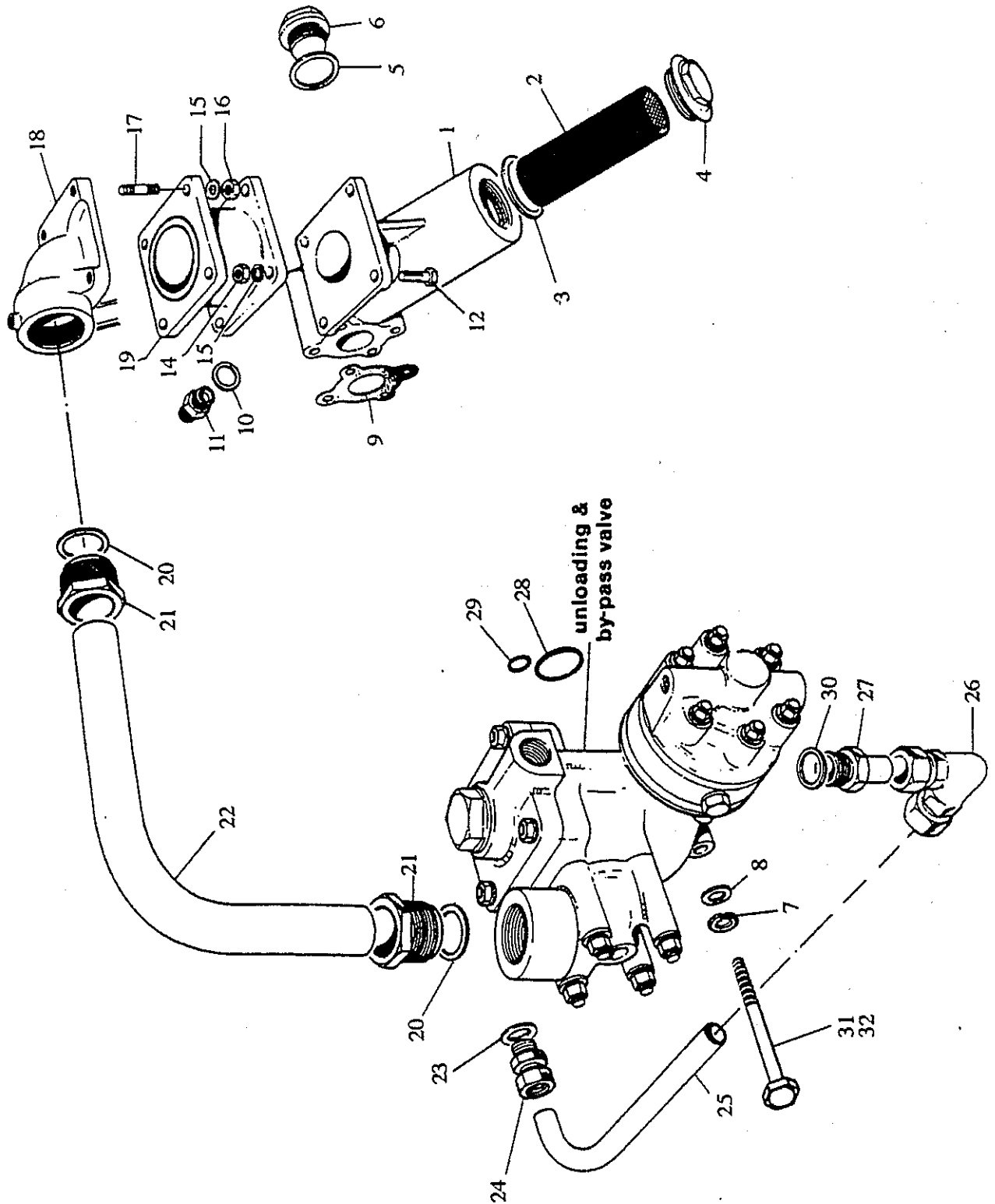
LOW-PRESSURE STAGE



LOW-PRESSURE STAGE (Continued)

Item No.	Description	Part No.	Qty (per unit)
32	Cover plate, RTP blanking - (Aluminium)	UFP2842/2	1 (GMA units)
-	Cover plate, RTP blanking - (Bronze)	UFP2842/3	1 (GMB units)
33	Joint, cover plate	50734	1
34	Screw M8	MS05/30	4
35	Spring washer M8	MS29/6	4
36	Washer M8	MS25/9	4
37	Joint, 2 1/2 screw-down valves	UFP2688	2

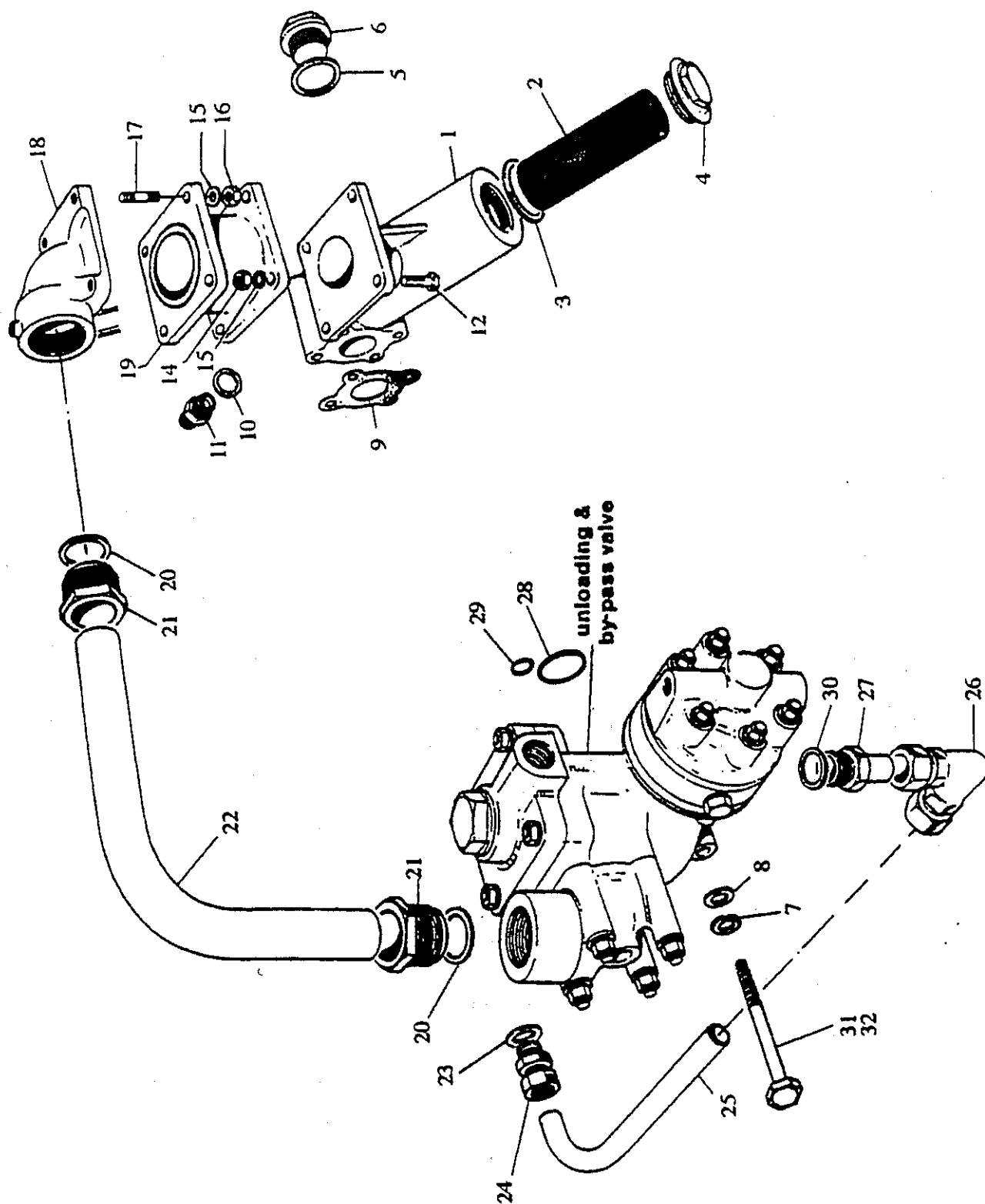
CROSS-OVER PIPE ASSEMBLY



CROSS-OVER PIPE ASSEMBLY

Item No.	Description	Part No.	Qty (per unit)
1	Elbow (Aluminium)	UMP7105/2	1 (GMA units)
-	Elbow (Bronze)	UMP7105/3	1 (GMB units)
2	Strainer (filter)	UMP9200	1
3	Sealing washer 1 1/2 in. BSP	UFP2303/15	1
4	Plug 1 1/2in. BSP	UMP6817	1
5	Dowty seal	UFP2303/13	1
6	Plug 1 in. BSP	S64/8	1
7	Spring washer M10	MS29/7	3
8	Washer M10	MS25/10	3
9	Joint, elbow	UMP6543	1
10	Dowty seal	UFP2303/5	2
11	Union 1/4 in. BSP	56403	2
12	Bolt M8	MS17/30	4
13	Spring washer M8	MS29/6	4
14	Nut M8	MS35/8	4
15	Spring washer M8	MS29/6	4
16	Nut M8	MS35/8	4
17	Stud M8	MS48/20	4
18	Elbow, short (Aluminium)	UMP6511/2	1 (GMA units)
-	Elbow, short (Bronze)	UMP6511/3	1 (GMB units)
19	Ball valve 1 1/2 in.	UMP6542	1
INTERNAL PARTS FOR ITEM 19:			
-	Handle	POUMP6542/B	1
-	Spindle	POUMP6542/C	1
-	Spindle seal	POUMP6542/D	1
-	Ball seal	POUMP6542/E	1
-	Handle pin	POUMP6542/F	1
-	Capscrew	POUMP6542/G	1
-	Pin	POUMP6542/J	1
20	Gland seal	UMP6525	2
21	Gland nut	UMP6526	2
22	Cross-over pipe (Aluminium)	UMP6527/8	1 (GMA2700/3600)
-	Cross-over pipe (Bronze)	UMP6527/11	1 (GMB2700/3600)
-	Cross-over pipe (Aluminium)	UMP6527/9	1 (GMA5300)
-	Cross-over pipe (Bronze)	UMP6527/10	1 (GMB5300)
23	Sealing washer	UFP2303/10	1
24	Stud coupling 22mm -3/4in. BSP	55308	1
25	By-pass pipe (Aluminium)	55306	1 (GMA2700/3600)
-	By-pass pipe (Bronze)	55306/01	1 (GMB2700/3600)
-	By-pass pipe (Aluminium)	55306/04	1 (GMA5300)
-	By-pass pipe (Bronze)	55306/05	1 (GMB5300)
26	Elbow 22mm	55309	1
27	Union	UMP6517/1	1

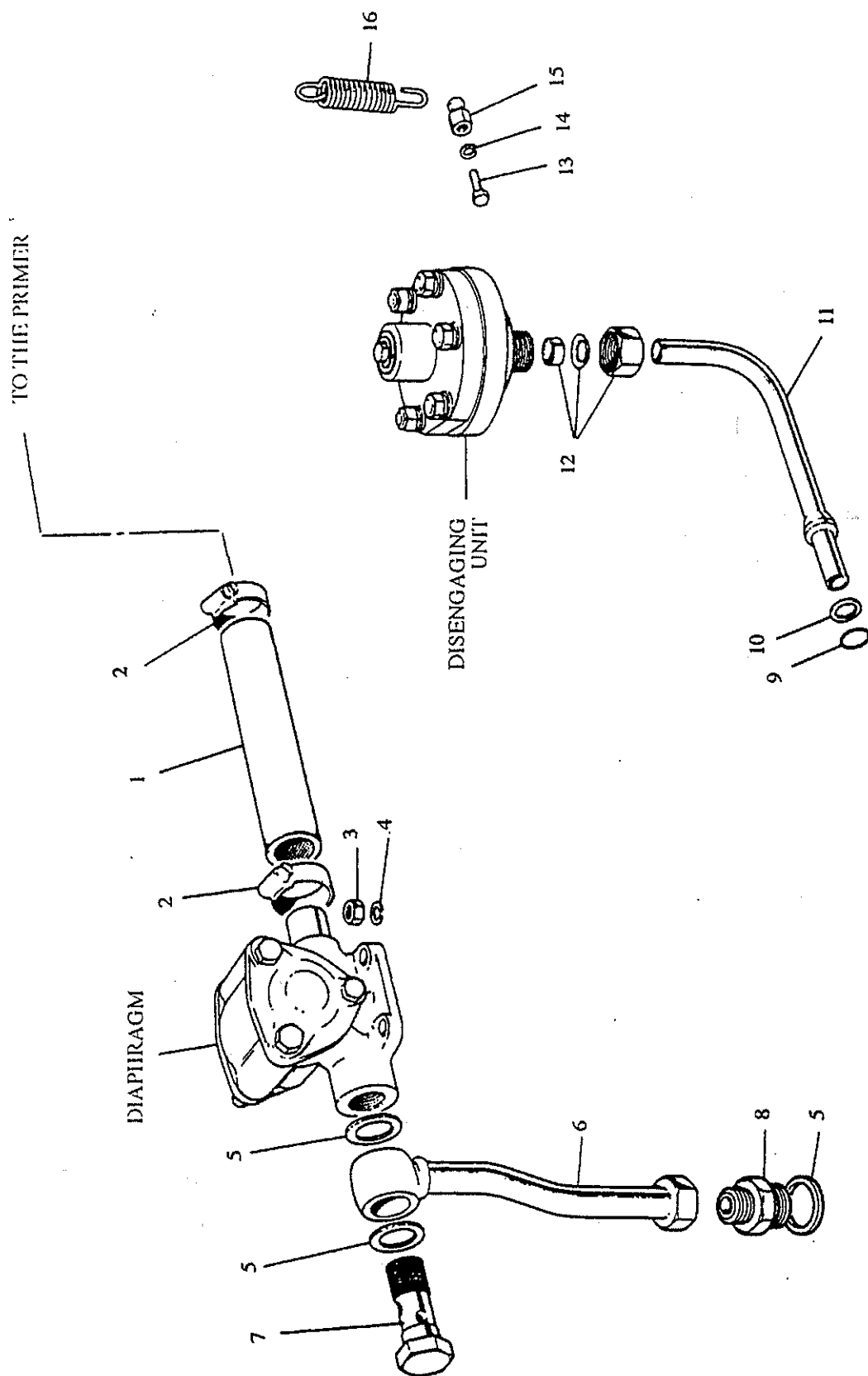
CROSS-OVER PIPE ASSEMBLY



CROSS-OVER PIPE ASSEMBLY

Item No.	Description	Part No.	Qty (per unit)
27	Union	UMP6517/1	1
28	'O' ring	UMP9735	1
29	'O' ring	UMP9736	1
30	Sealing washer	UFP2303/9	1
31	Bolt M10	MS18/75	2
32	Bolt M10	MS18/90	1

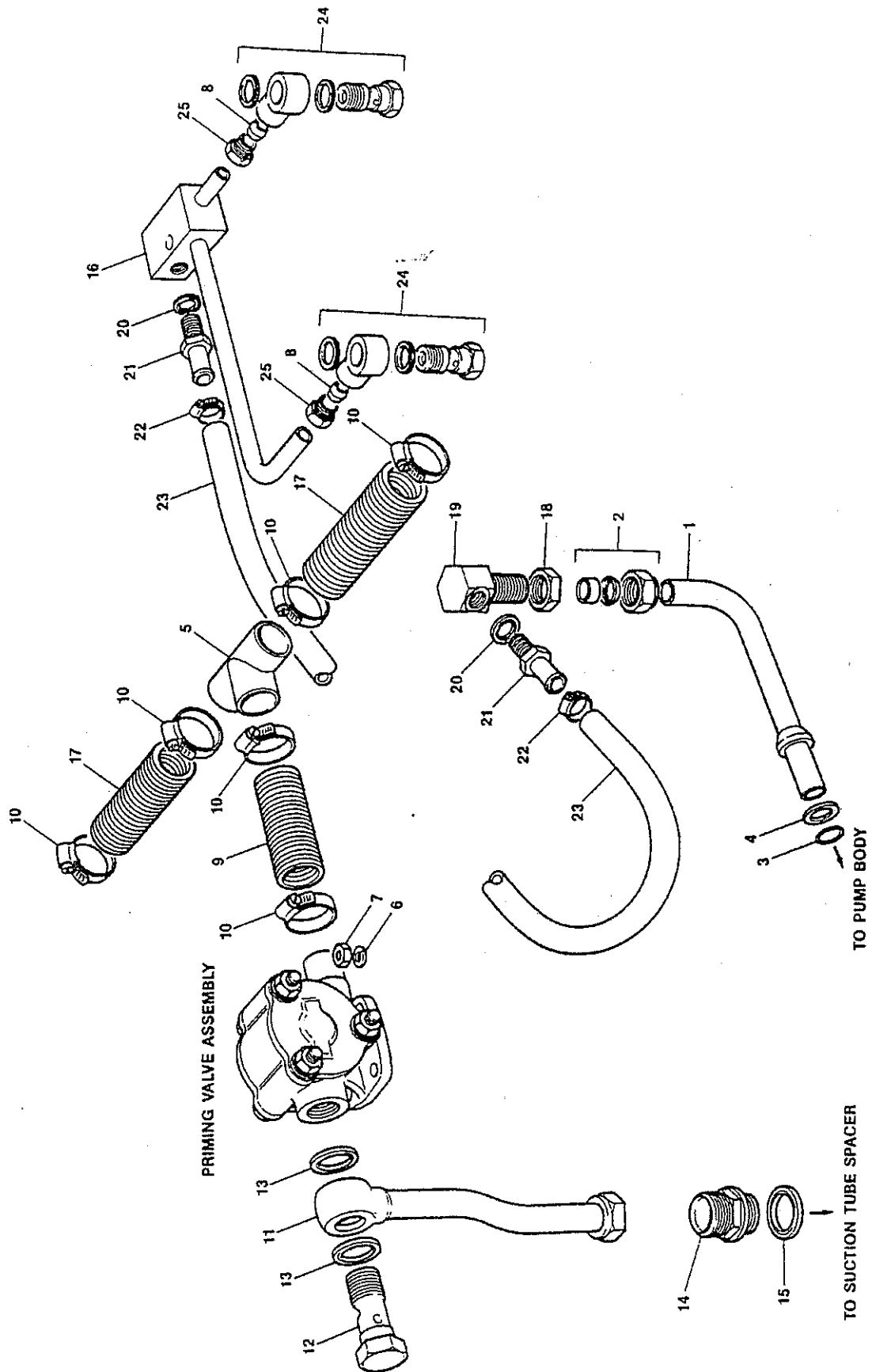
PRIMING SYSTEM (Water Ring Primer)



PRIMING SYSTEM (Water Ring Primer)

Item No.	Description	Part No.	Qty (per unit)
1	Priming hose	UMP2314/2	1
2	Hose clip	MS82/3	2
3	Spring washer M8	MS29/6	4
4	Nut M8	MS35/8	4
5	Sealing washer 3/4 in. BSP	UFP2303/10	3
6	Priming pipe assembly - (Aluminium)	55304/01	1 (GMA2700/3600)
-	Priming pipe assembly - (Bronze)	55304/02	1 (GMB2700/3600)
-	Priming pipe assembly - (Aluminium)	55304/07	1 (GMA5300)
-	Priming pipe assembly - (Bronze)	55304/06	1 (GMB5300)
7	Banjo bolt	UFP6496	1
8	Stud coupling 22 mm - 3/4 in.BSP	55308	1
9	'O' ring, pressure pipe	UFP2290	1
10	Washer, pressure pipe	UFP2291	1
11	Pressure pipe, primer release- (Aluminium)	UFP2276	1 (GMA units)
-	Pressure pipe, primer release- (Bronze)	UFP2608	1 (GMB units)
12	Coupling set	UFP2602	1
13	Screw M6	MS04/20	1
14	Spring washer M6	MS29/5	1
15	Spring anchor	UFP5963/1	1
16	Spring	UFP5962/1	1

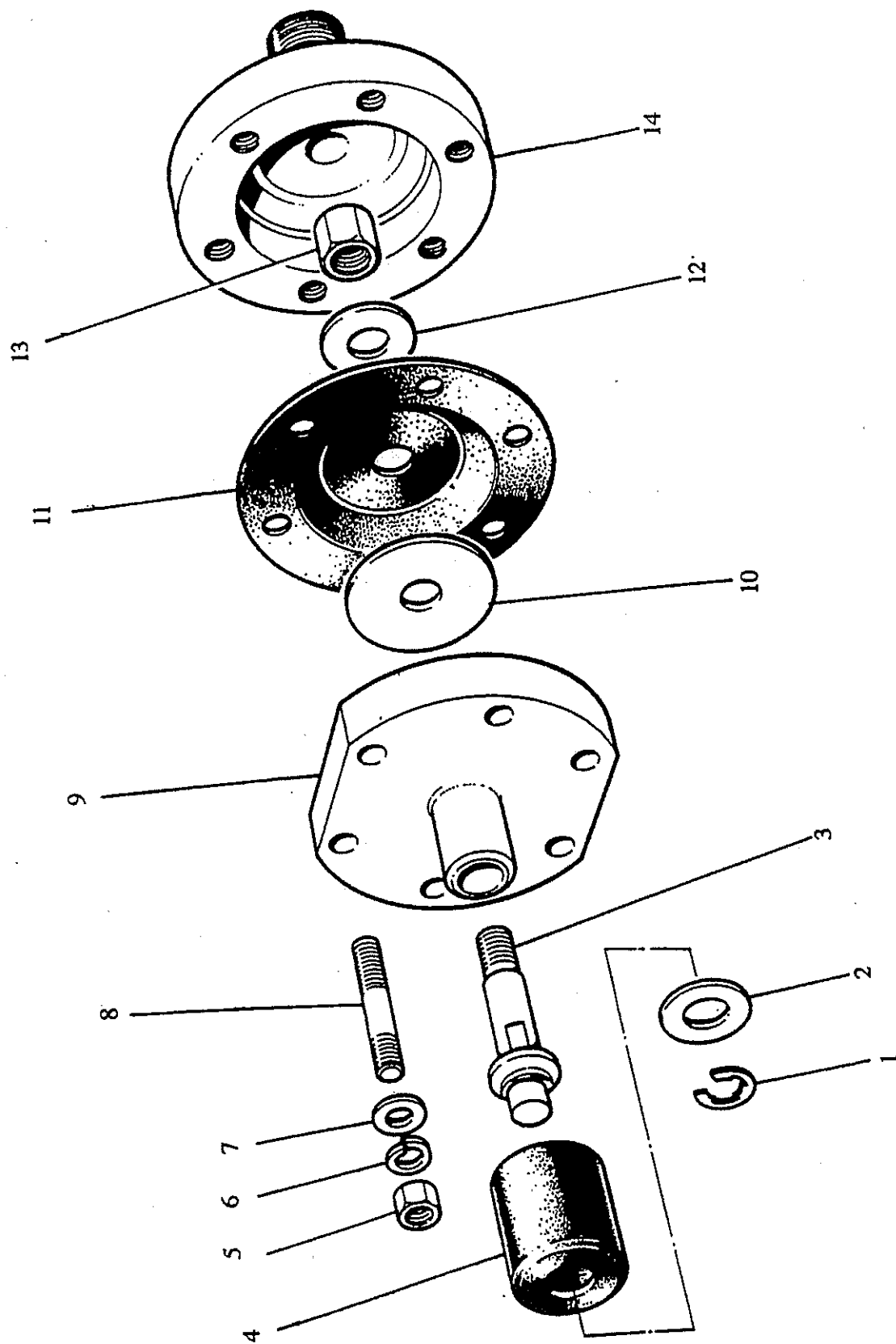
PRIMING SYSTEM (Piston Primer)



PRIMING SYSTEM (Piston Primer)

Item No.	Description	Part No.	Qty (per unit)
1	Pressure pipe, primer release (Aluminium)	UFP2276	1 (GMA units)
2	Coupling set	UFP2602	1
3	'O' ring, pressure pipe	UFP2290	1
4	Washer, pressure pipe	UFP2291	1
5	Tee connector	PDP12446/2	1
6	Spring washer M8	MS29/6	4
7	Nut M8	MS35/8	4
8	Tubing sleeve	PDP12428	2
9	Priming hose	UMP2314/6	1
10	Hose clip	MS82/3	6
11	Priming pipe assembly (Aluminium)	55304/01	1 (GMA2700/3600)
	Priming pipe assembly (Aluminium)	55304/07	1 (GMA5300)
12	Banjo bolt	UFP6496	1
13	Sealing washer 3/4 in. BSP	UFP2303/10	2
14	Stud coupling 22mm - 3/4 in. BSP	55308	1
15	Sealing washer 3/4 in. BSP	UFP2303/10	1
16	Manifold assembly	PDP12423	1
17	Priming hose	UMP2314/5	2
18	Locknut	PDP12422	1
19	Adaptor	PDP12421	1
20	Sealing washer 1/4 in. BSP	UFP2303/5	2
21	Connector, hose	FWMP5268	2
22	Hose clip	MS82/7	2
23	Hose, flexible	PFP7988/8	1
24	Banjo & Bolt	PDP12427	2
25	Tubing nut	PDP12429	2

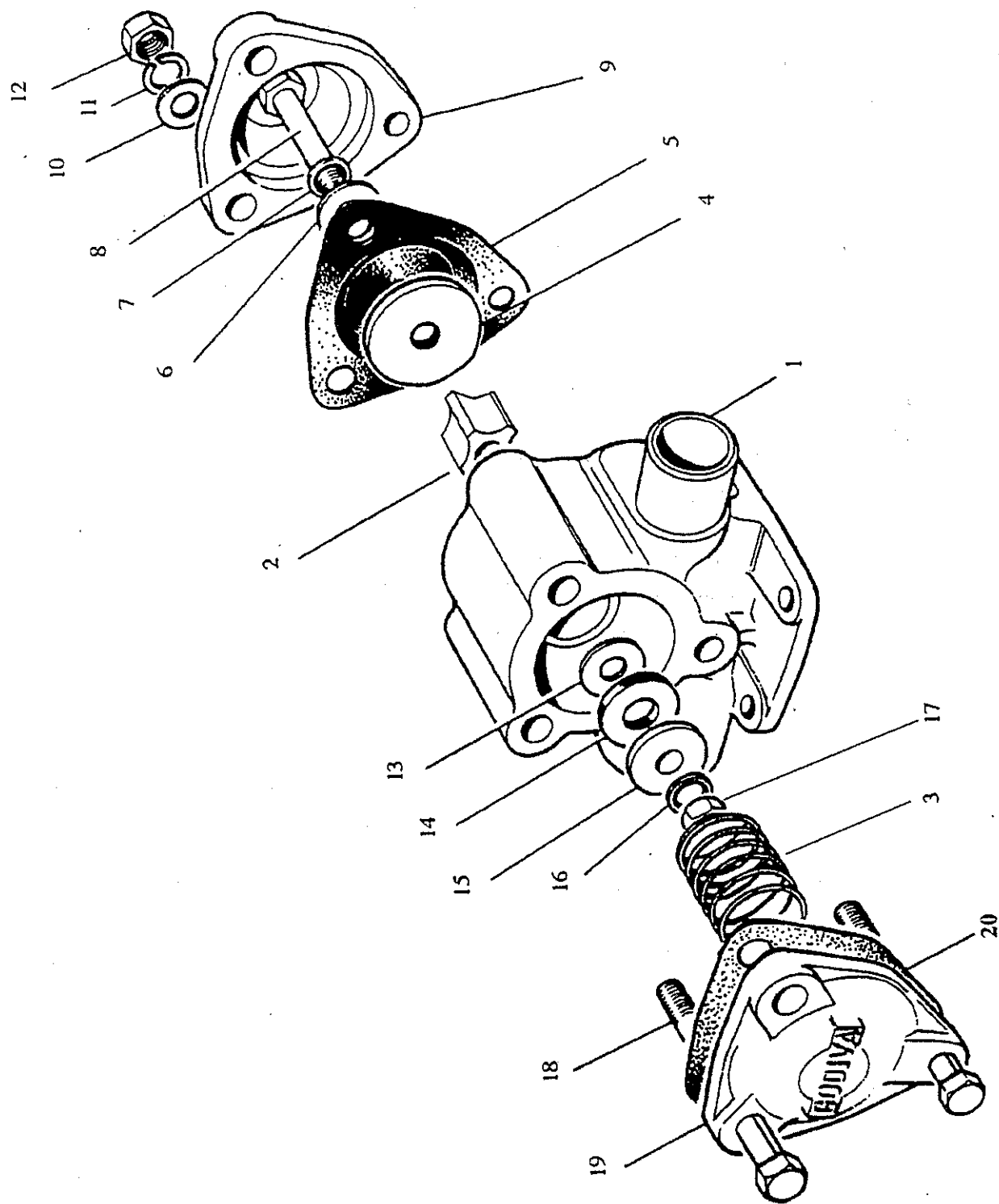
PRIMER LIFT-OFF CYLINDER



PRIMER LIFT-OFF CYLINDER

Item No.	Description	Part No.	Qty (per unit)
-	Lift-off cylinder assembly	UFP6005/2	1 (GMA units)
-	Lift-off cylinder assembly	UFP6005/3	1 (GMB units)
1	Circlip	FWMP5012/2	1
2	Washer	UFP5956	1
3	Plunger	UFP5957/2	1
4	P.V.C. Cap	UFP5958	1
5	Nut M8	MS35/8	6
6	Spring washer M8	MS29/6	6
7	Washer M8	MS25/9	6
8	Stud M8	MS48/25	6
9	Diaphragm housing cover	UFP5953	1
10	Diaphragm plate	UFP5955	1
11	Diaphragm	UFP5954	1
12	Special washer	MS126/9	1
13	Nut M8, self-locking	MS141/5	1
14	Diaphragm housing base - (Aluminium)	UFP5952/2	1 (GMA units)
-	Diaphragm housing base - (Bronze)	UFP5952/3	1 (GMB units)

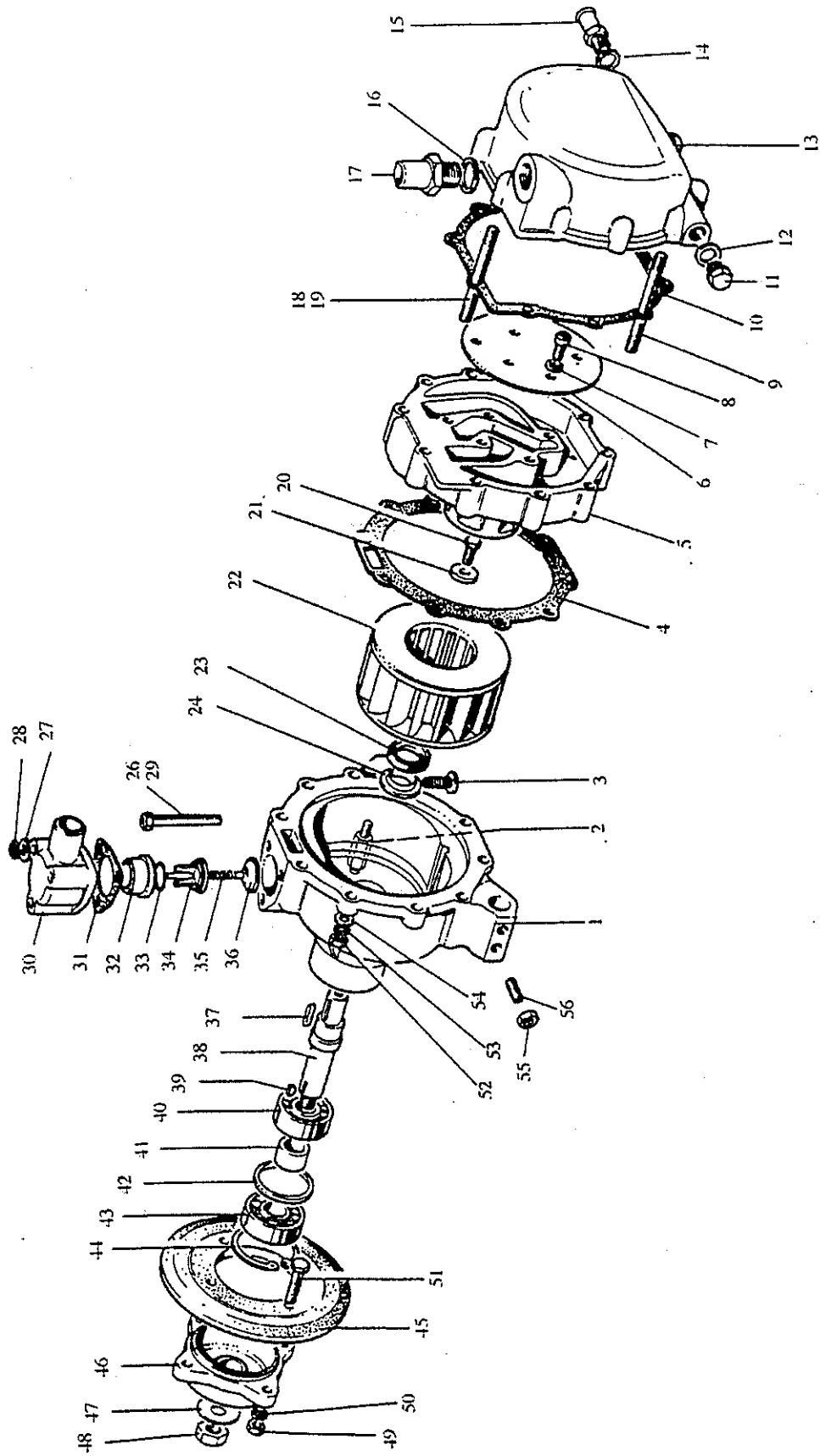
DIAPHRAGM PRIMING VALVE



DIAPHRAGM PRIMING VALVE

Item No.	Description	Part No.	Qty (per unit)
-	Diaphragm priming valve	UFP6498/2	1 (GMA units)
-	Diaphragm priming valve	UFP6498/3	1 (GMB units)
1	Priming valve housing - (Aluminium)	UFP6493/1	1 (GMA units)
-	Priming valve housing - (Bronze)	UFP6493	1 (GMB units)
2	Spacer	UFP6482/1	1 (GMA units)
-	Spacer	UFP6482	1 (GMB units)
3	Spring	UFP6488	1
4	Diaphragm plate	UFP6486/1	1 (GMA units)
-	Diaphragm plate	UFP6486	1 (GMB units)
5	Diaphragm	UFP6489	1
6	Support disc	UMP9803	1
7	Bonded seal	MS133/8	1
8	Bolt M8	MS117/65	1
9	End cap (vented)	UFP6492/1	1
10	Washer M10	MS25/10	3
11	Spring washer M10	MS29/7	3
12	Nut M10	MS35/9	3
13	Washer	UFP6485/1	1 (GMA units)
-	Washer	UFP6485	1 (GMB units)
14	Seal	UFP6484	1
15	Washer	UFP6483/1	1 (GMA units)
-	Washer	UFP6483	1 (GMB units)
16	Bonded seal	MS133/8	1
17	Nut M8, self-locking	MS141/5	1
18	Bolt M10	MS18/100	3
19	End cap (Aluminium)	UFP6491/1	1 (GMA units)
-	End cap (Bronze)	UFP6491	1 (GMB units)
20	Gasket	UFP6490	1

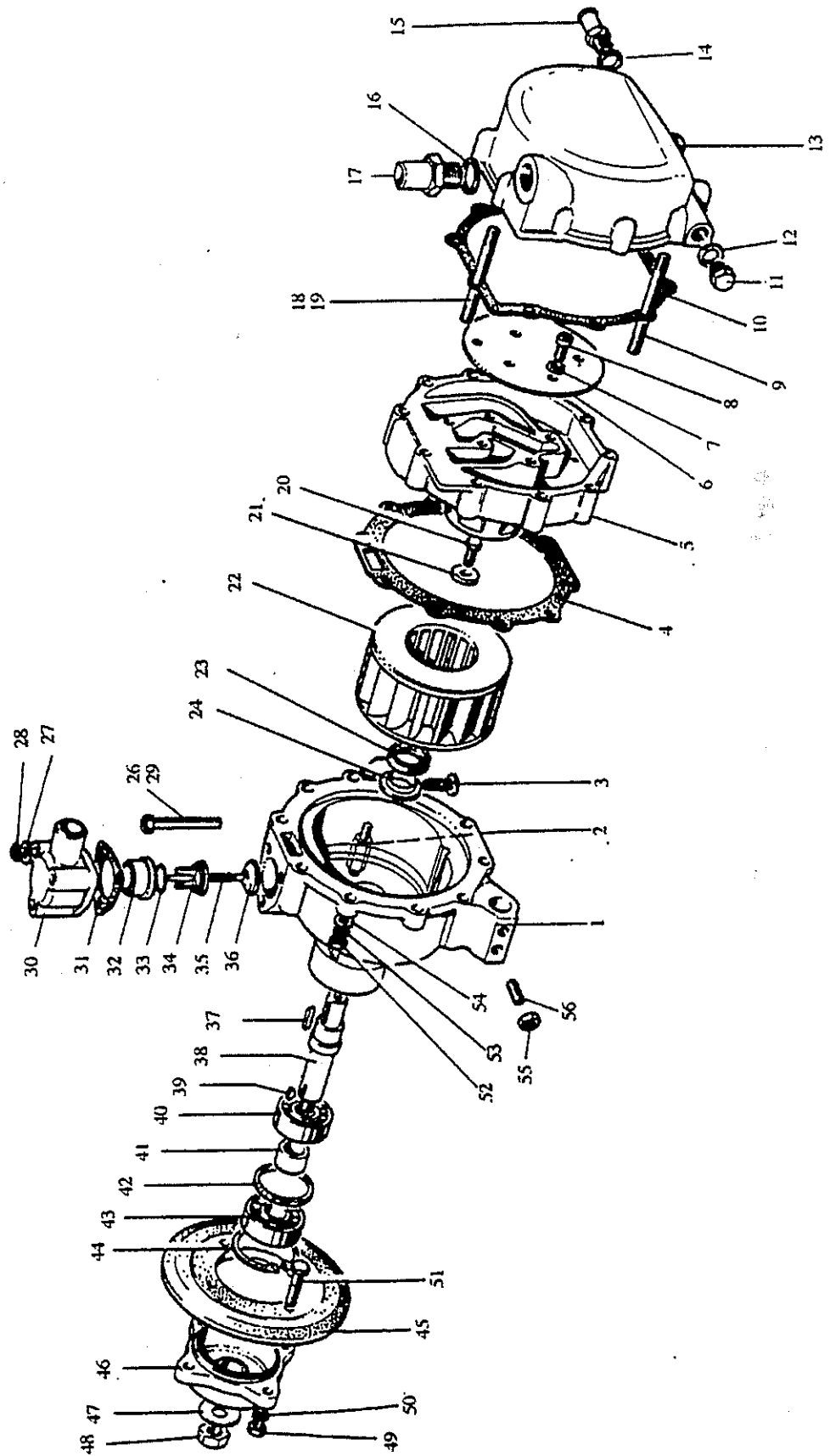
WATER RING PRIMER



WATER RING PRIMER

Item No.	Description	Part No.	Qty (per unit)
-	Water ring primer assembly - (Aluminium)	WRP7994/9	1 (GMA2700/3600)
-	Water ring primer assembly - (Bronze)	CORE698	1 (GMB2700/3600)
-	Water ring primer assembly - (Aluminium)	WRP7994/10	1 (GMA5300)
-	Water ring primer assembly - (Bronze)	WRP7995/9	1 (GMB5300)
1	Primer bearing housing - (Aluminium)	WRP7941/2	1 (GMA units)
-	Primer bearing housing - (Bronze)	WRP7941/3	1 (GMB units)
2	Spring anchor	WRP7947/1	1
3	Lift-off pad	WRP7978/1	1
4	Gasket, housing-to-cover	WRP7954	
5	Suction/delivery cover - (Aluminium)	WRP7952/2	1 (GMA units)
-	Suction/ delivery cover - (Bronze)	WRP7952/3	1 (GMB units)
6	Cover plate	WRP7936	1
7	Washer M6	MS125/7	5
8	Screw M6, socket-head	MS163/16	5
9	Stud, water trap	MS48/90	1
10	Gasket, primer/water trap	WRP7953	1
11	Plug 1/4 in. BSP	S64/2	1
12	Sealing washer 1/4 in. BSP	UFP2303/5	2
13	Water trap housing - (Aluminium)	WRP7934/2	1 (GMA units)
-	Water trap housing - (Bronze)	WRP7934/3	1 (GMB units)
14	Sealing washer 5/8 in. BSP	UFP2303/9	1
15	Water pipe connector - (Aluminium) 1/2 in. BSP	WRP7945	1 (GMA units)
-	Water pipe connector - (Bronze) 1/2 in. BSP	WRP7945/1	1 (GMB units)
16	Sealing washer 5/8 in. BSP	UFP2303/9	1
17	Water pipe connector - (Aluminium) 1 in. BSP	WRP7977/3	1 (GMA units)
-	Water pipe connector - (Bronze) 1 in. BSP	WRP7977/2	1 (GMB units)
18	Bolt M8, water trap	MS17/60	6
19	Bolt M8, water trap	MS17/85	4
20	Bolt M6, self-locking	10021	1

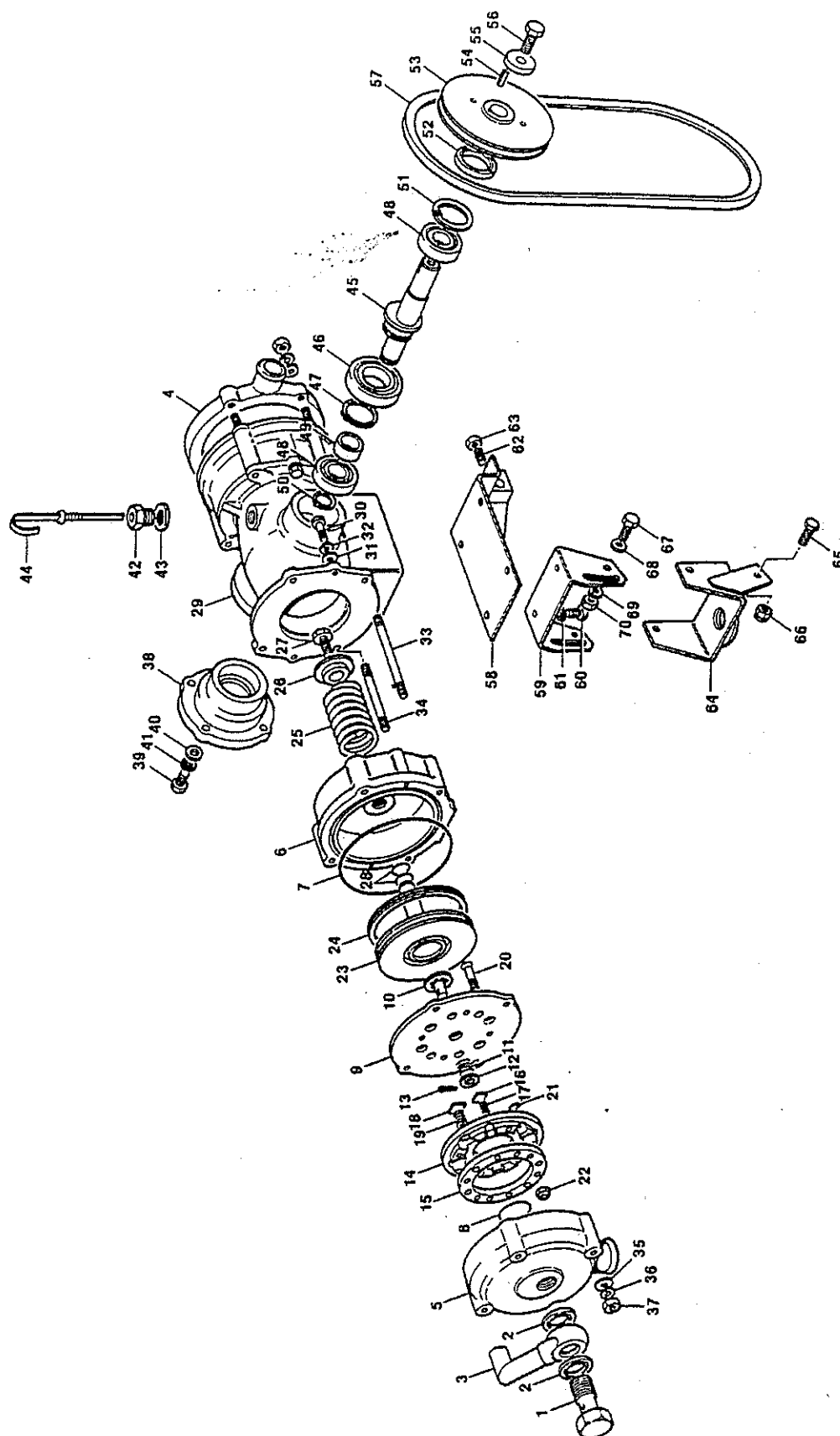
WATER RING PRIMER



WATER RING PRIMER (Continued)

Item No.	Description	Part No.	Qty (per unit)
21	Washer	WRP7971	1
22	Impeller (Aluminium)	WRP7931/2	1 (GMA units)
-	Impeller (Bronze)	WRP7931/3	1 (GMB units)
23	Seal 32 x 22 x 7 mm, primer	WRP7985	1
24	Washer, seal backing	WRP7982	1
25	Nut M8, lift-off pad	MS35/8	1
26	Bolt M8, suction elbow	MS17/55	3 (GMB units)
27	Washer M8	MS25/9	3
28	Spring washer	MS29/6	3
29	Bolt M8, suction elbow	MS17/35	3 (GMA units)
30	Suction elbow (Aluminium)	WRP7956	1 (GMA2700/3600)
-	Suction elbow (Bronze)	WRP7956/1	1 (GMB2700/3600)
-	Suction elbow (Aluminium)	WRP7955	1 (GMA5300)
-	Suction elbow (Bronze)	WRP7955/1	1 (GMB5300)
31	Gasket, suction elbow	WRP7973	1
32	Valve sleeve	WRP7974	1
33	'O' ring, non-return valve	WRP7993	1
34	Non-return valve	WRP7948	1
35	Spring	WRP7972	1
36	Spring retainer	WRP7949/2	1
37	Key, impeller-to-shaft	MS179/35	1
38	Primer shaft	WRP7940/1	1
39	Key, woodruff	WRP9707	1
40	Ball bearing, small	WRP7986	1
41	Bearing spacer	WRP7943	1
42	Bearing, locating ring	WRP7944	1
43	Ball bearing, large	WRP7987	1
44	Circlip, internal	S79/28	1
45	Pulley wheel	UMP7915	1
46	Pulley centre	WRP7937/1	1
47	Tab washer	WRP7938/1	1
48	Special nut M10	WRP7939/1	1
49	Nut M6	MS35/7	4
50	Spring washer M6	MS29/5	4
51	Bolt M6, pulley-to-pulley centre	MS16/30	4
52	Nut M8	MS35/8	10
53	Spring washer M8	MS29/6	10
54	Washer M8	MS25/9	10
55	Nut M8	MS35/8	2
56	Set-screw M8, hollow	MS57/8/25	2

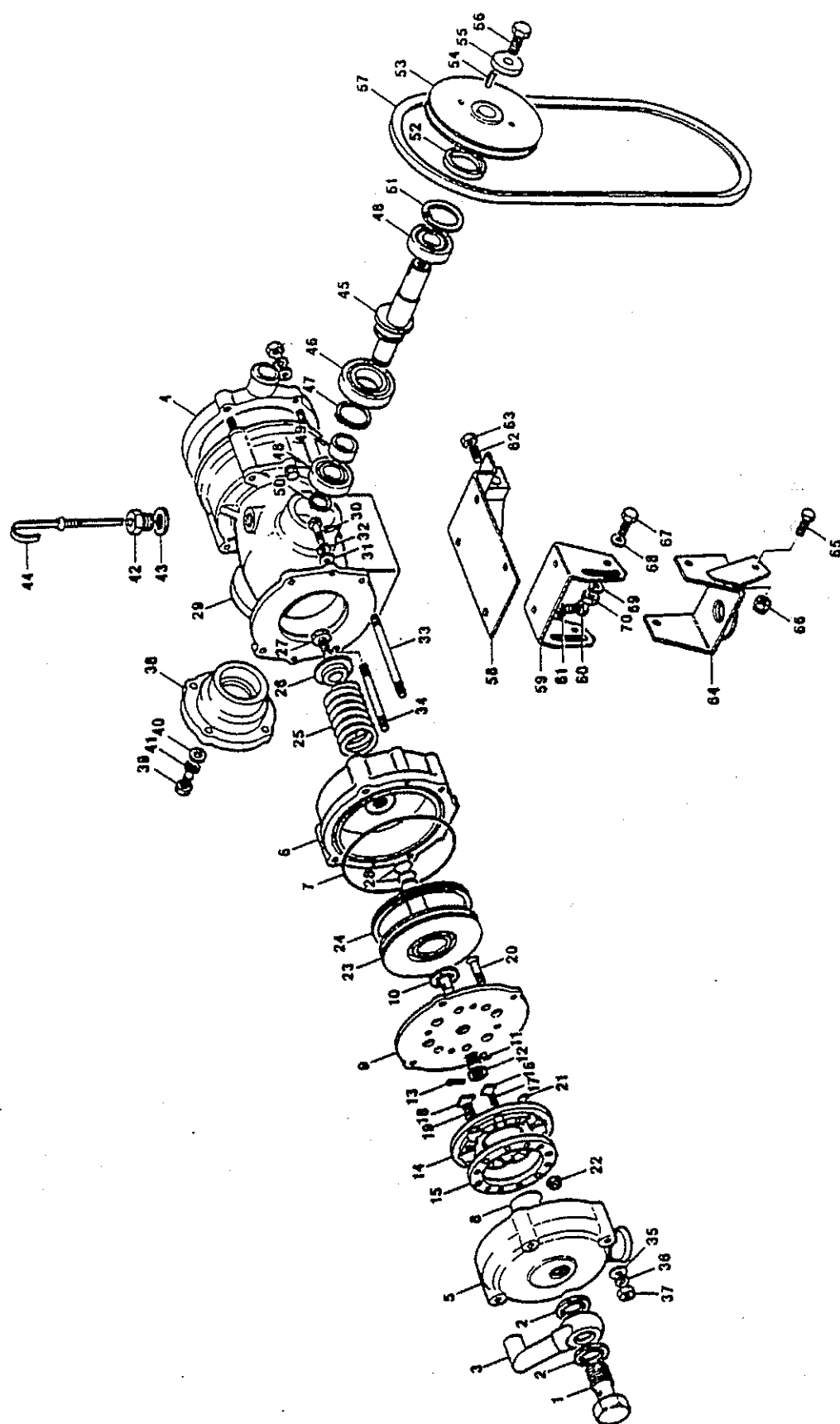
POSITIVE PISTON PRIMER



POSITIVE PISTON PRIMER

Item No.	Description	Part No.	Qty (per unit)
1	Banjo	UMP2564/1	2
2	Sealing washer 3/4 in. BSP	UFP2303/10	2
3	Hose connector	PDP12444	2
4	End cover RH	50104	1
5	End cover LH	50104/01	1
6	Piston primer cylinder	PDP12346	2
7	'O' ring	PDP12411	2
8	'O' ring	PDP12416	2
9	Valve plate	PDP12368	2
10	Inlet valve	PDP12369	2
11	Spring	PDP12370	2
12	Washer	PDP12371/1	2
13	Split pin	MS178/14	2
14	Housing - exhaust valve	PDP12372	2
15	Retaining ring assembly	PDP12373	2
16	Plate - exhaust valve	PDP12376	8
17	Spring	PDP12378	8
18	Plate - exhaust valve	PDP12377	8
19	Spring	PDP12379	8
20	Screw	PDP12441	8
21	'O' ring	PDP12415	8
22	Nut M6, nyloc	MS141/4	8
23	Piston - primer	PDP12347	2
24	Piston ring	PDP12413	2
25	Spring	PDP12414	2
26	Spring cup	PDP12382	2
27	Button	PDP12381	2
28	Seal	PDP12412	4
29	Housing - camshaft	PDP12338	1
30	Bolt M6	MS16/30	4
31	Spring washer M6	MS29/5	4
32	Washer M6	MS25/7	4
33	Stud, end cover to housing	PDP12436	6
34	Stud	50105	2
35	Washer M8	MS25/9	8
36	Spring washer M8	MS29/6	8
37	Nut M8	MS35/8	8
38	Housing - cover	PDP12380	1
39	Screw M8	MS05/30	4
40	Washer M8	MS25/9	4
41	Spring washer M8	MS29/6	4
42	Filler plug	PDP12406	1
43	Sealing washer 3/8 in. BSP	UFP2303/7	1
44	Dipstick	PDP12407	1
45	Eccentric shaft	PDP12403	1

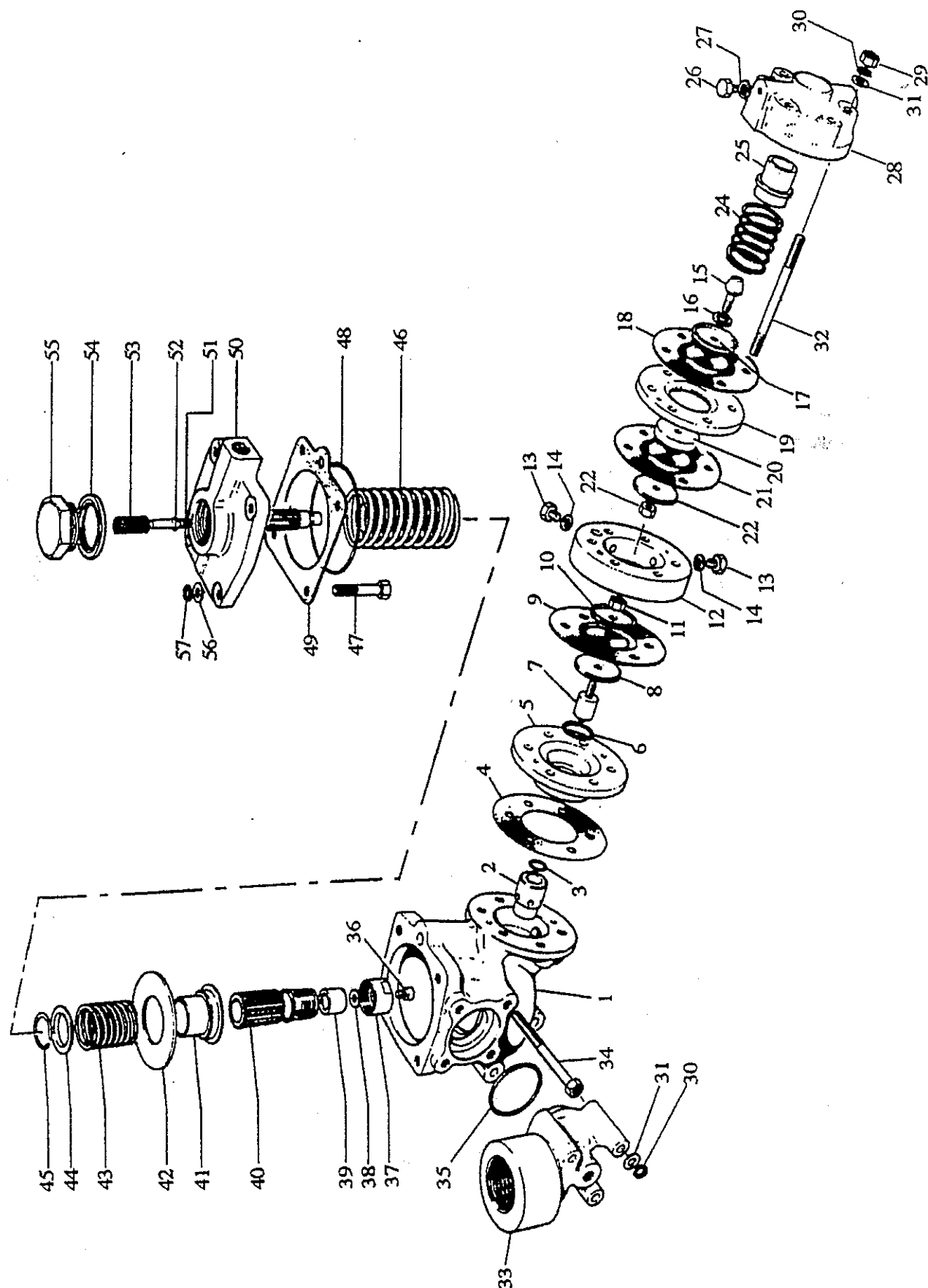
POSITIVE PISTON PRIMER



POSITIVE PISTON PRIMER(Continued)

Item No.	Description	Part No.	Qty (per unit)
46	Ball bearing	PDP12404	1
47	Circlip, external	S80/24	1
48	Bearing - shaft end	S50/32	2
49	Distance piece	PDP12405	1
50	Circlip, external	S80/9	1
51	Circlip, internal	S79/25B	1
52	Oil seal, pulley	PDP12408	1
53	Pulley	PP12409	1
54	Shaft key	MS79/35	1
55	Washer	PDP12410	1
56	Screw M10	MS06/25	1
57	Vee belt	PDP12417	1
58	Pivot bracket	PDP12418	1
59	Ajustment stirrup	PDP12419	1
60	Screw M8	MS05/25	4
61	Washer spring M8	MS29/6	4
62	Socket setscrew	MS57/8/25	2
63	Nut M8	MS35/8	2
64	Mounting bracket	PDP12420	1
65	Screw M6	MS04/20	1
66	Nut M6, nyloc	MS41/4	1
67	Screw M8	MS05/20	2
68	Washer M8, large	MS27/4	2
69	Spring washer M8	MS29/6	2
70	Nut M8	MS35/8	2

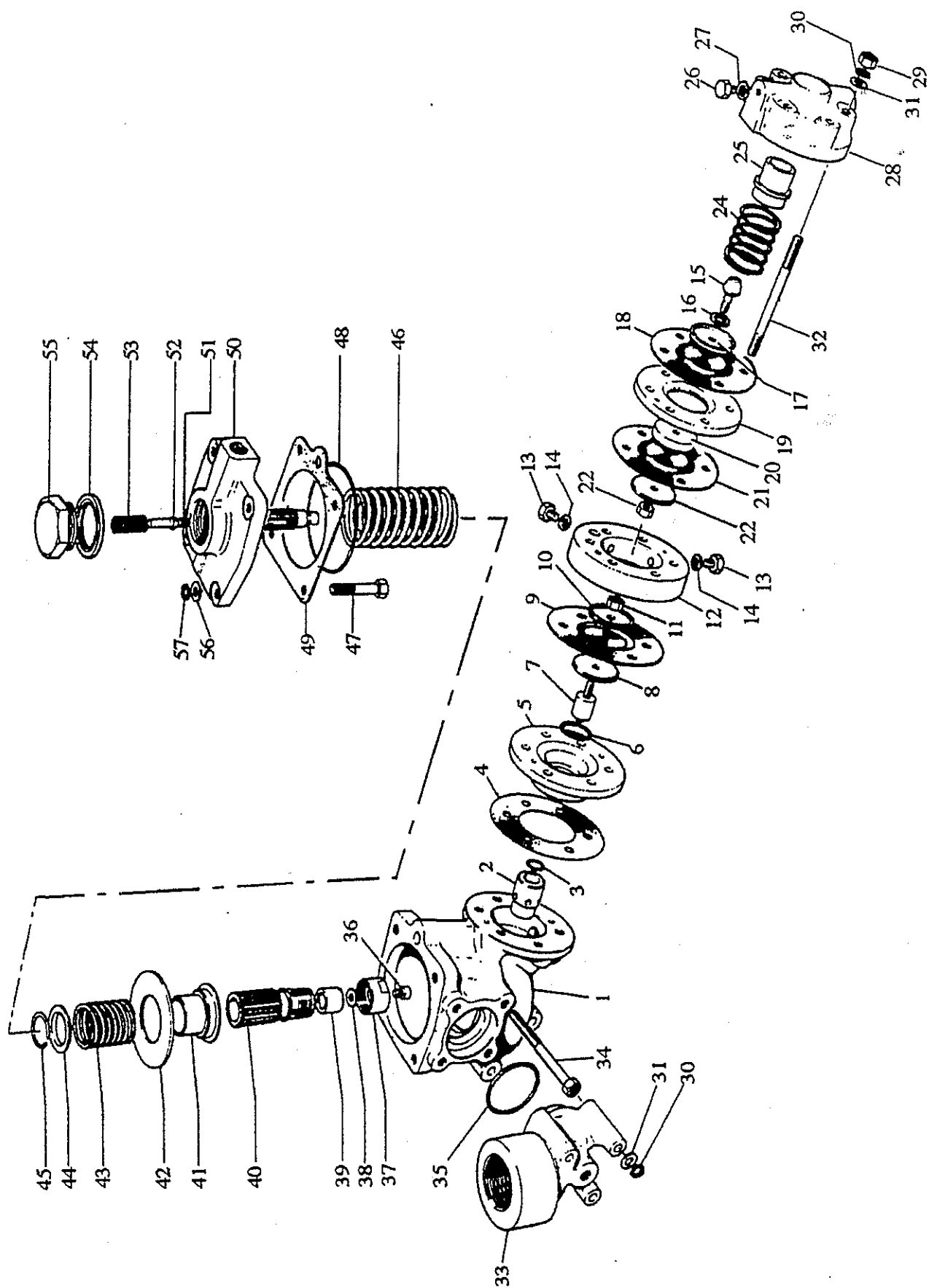
BYPASS AND UNLOADING VALVE



BYPASS AND UNLOADING VALVE

Item No.	Description	Part No.	Qty (per unit)
-	Bypass and unloading valve assembly (Aluminium)	UMP9836/4	1 (GMA units)
-	Bypass and unloading valve assembly (Bronze)	UMP9834/5	1 (GMB units)
1	Body and bush assembly - (Aluminium)	UMP10253	1 (GMA units)
-	Body and bush assembly - (Bronze)	UMP10253/1	1 (GMB units)
2	Seating, unloading valve	UMP9795	1
3	'O' ring	UMP9796	1
4	Joint, diaphragm guide	UMP9797	1
5	Housing, diaphragm guide - (Aluminium)	UMP9798	1 (GMA units)
-	Housing, diaphragm - (Bronze)	UMP9798/1	1 (GMB units)
6	'O' ring	UMP9799	1
-	Plug sub-assembly (Aluminium)- Items 7-11	UMP9831	1 (GMA units)
-	Plug sub-assembly (Bronze) - Items 7-11	UMP9831/1	1 (GMB units)
7	Plug, unloading valve	UMP9800	1
8	Support plate (Aluminium)	UMP9801	1 (GMA units)
-	Support plate (Bronze)	UMP9801/1	1 (GMB units)
9	Diaphragm	UMP9802	1
10	Support disc	UMP9803	1
11	Nut M8	MS135/8	1
-	Distance-piece sub-assembly - (Aluminium) Items 12-14	UMP9834	1 (GMA units)
-	Distance-piece sub-assembly- (Bronze) Items 12-14	UMP9834/1	1 (GMB units)
12	Distance piece (Aluminium)	UMP9804	1 (GMA units)
-	Distance piece (Bronze)	UMP9804/1	1 (GMB units)
13	Plug M10	MS106/8	2
14	Sealing washer	MS33/10	2
-	Drain plug assembly - (Aluminium) Items 15-23	UMP9832	1 (GMA units)
-	Drain plug assembly - (Bronze) Items 15-23	UMP9832/1	1 (GMB units)
15	Plug, drain valve	UMP9805	1
16	Seal	UMP9806	1
17	Support disc	UMP9803	1
18	Diaphragm	UMP9802	1
19	Diaphragm spacer (Aluminium)	UMP9808	1 (GMA units)
-	Diaphragm spacer (Bronze)	UMP9808/1	1 (GMB units)
20	Spacer, inner (Aluminium)	UMP9807	1 (GMA units)
-	Spacer, inner (Bronze)	UMP9807/1	1 (GMB units)

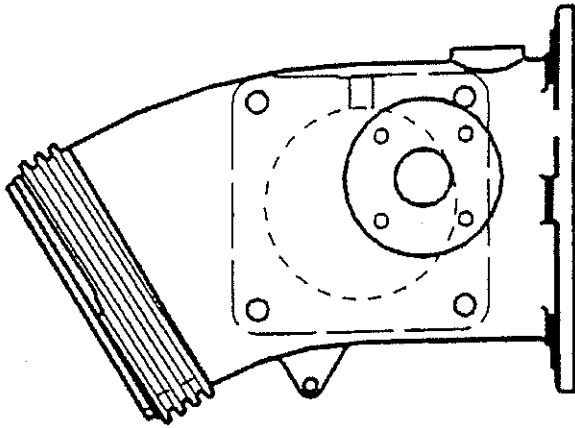
BYPASS AND UNLOADING VALVE



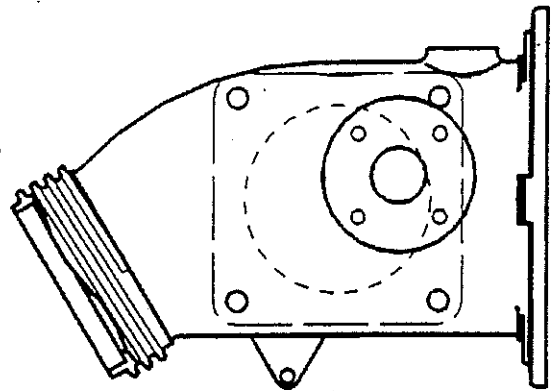
BYPASS AND UNLOADING VALVE (Continued)

Item No.	Description	Part No.	Qty (per unit)
21	Diaphragm	UMP9802	1
22	Support disc	UMP9803	1
23	Nut M8	MS135//8	1
24	Spring, drain valve	UMP9811	1
-	End-cap assembly (Aluminium) - Items 25-28	UMP10254	1 (GMA units)
-	End-cap assembly (Bronze) - Items 25-28	UMP10254/1	1 (GMB units)
25	Seating, drain valve	UMP9810	1
26	Plug M10	MS106/8	1
27	Sealing washer	MS33/10	1
28	End cap (Aluminium)	UMP9809	1 (GMA units)
-	End cap (Bronze)	UMP9809/1	1 (GMB units)
29	Nut M8	MS35/8	6
30	Spring washer M8	MS29/6	10
31	Washer M8	MS25/9	10
32	Stud M8	MS48/75	6
33	Outlet elbow (Aluminium)	UMP6529	1 (GMA units)
-	Outlet elbow (Bronze)	UMP6529/1	1 (GMB units)
34	Bolt M8, body-to-elbow	MS17/70	4
35	'O' ring, elbow-to-body	1657	1
36	Screw M6, socket-head	MS163/8	1
37	End cap M22	UMP9824	1
38	Sealing washer	UMP9821	1
39	Inner sleeve	UMP9823	1
40	Sleeve, serrated	UMP9822	1
41	Outer sleeve	UMP9830	1
42	Flow disc	UMP9829	1
43	Inner spring	UMP9825	1
44	Spring seating	UMP9827	1
45	Circlip	UMP9828	1
46	Outer spring	UMP9826	1
47	Screw M8, body-to-cap	MS05/30	4
48	'O' ring, top cap	UMP9818	1
49	Joint, body-to-top cap	UMP9819	1
50	Top cap-and-spindle assy (Alum.)	50029/02	1 (GMA units)
-	Top cap-and-spindle assy (Bronze)	50029/03	1 (GMB units)
51	Circlip	50028	1
52	Valve	50024	1
53	Spring	50027	1
54	Sealing washer	UFP2303/13	1
55	Plug	50358	1
56	Nut M8	MS25/9	4
57	Spring washer M8	MS29/6	4

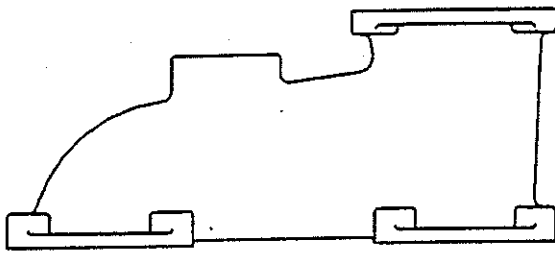
SUCTION TUBE AND MANIFOLD (Typical illustrations)



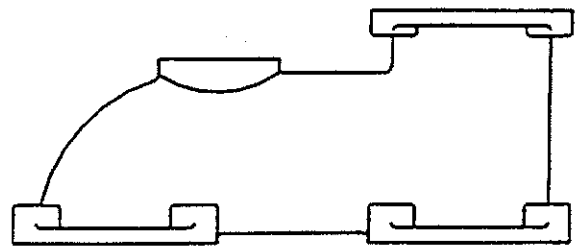
Typical 5.5" RT Suction Tube



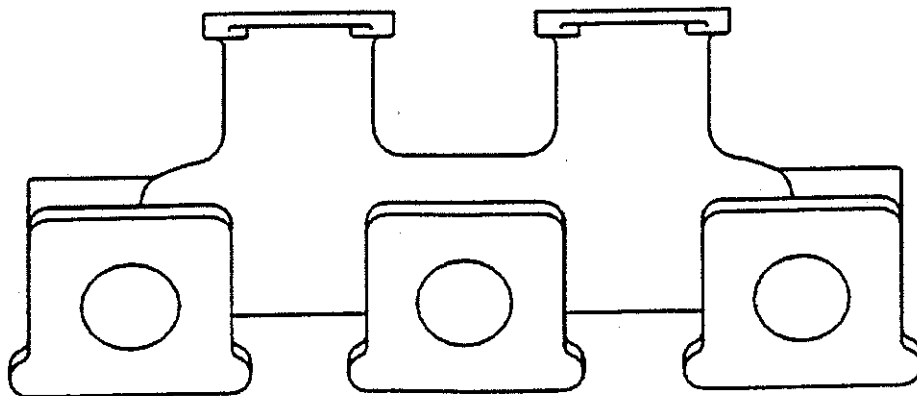
Typical 4.0" RT Suction Tube



GM5300 2 UK Valve Manifold



GM2700/3600 2 UK Valve Manifold



GM2700/3600 3 Cont'l Valve Manifold

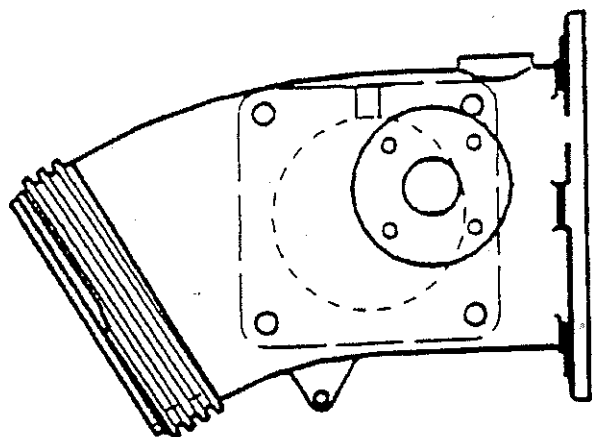
SUCTION TUBE AND MANIFOLD

Description	Part No.	Qty (per unit)
Suction tube 4 in. RT (Aluminium)	51838/05	1 (GMA2700)
Suction tube 4 in. RT (Bronze)	51838/01	1 (GMB2700)
Suction tube 5 1/2 in. RT (Aluminium)	51837/01	1 (GMA3600)
Suction tube 5 1/2 in. RT (Bronze)	51837/07	1 (GMB3600)
Suction tube 5 1/2 in. RT (Aluminium)	51839/02	1 (GMA5300)
Suction tube 5 1/2 in. (Bronze)	51839/03	1 (GMB5300)

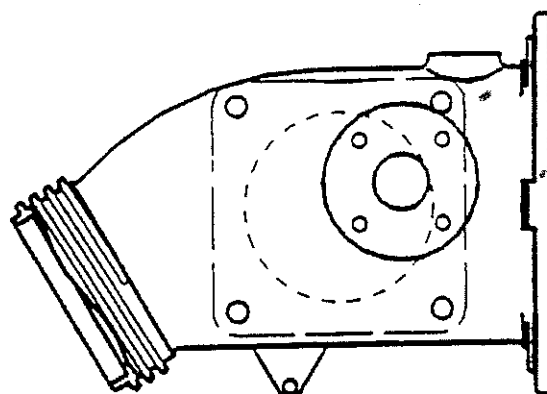
Note: Suction tubes with alternative threads are available, please contact your local Customer Services Department.

Sealing washer 3/4 in BSP	UFP2303/10	1	
Shouldered plug 3/4 in. BSP	S64/6	1	
Shouldered plug 1/4 in BSP	S64/2	1	
Sealing washer 1/4 in. BSP	UFP2303/5	1	
Joint washer - tube to spacer	FP301	1 (GM2700/3600)	
Joint washer - tube to spacer	UFP3840	1 (GM5300)	
Stud M12	MS50/35	4	} 4 in. flange
Washer M12	MS25/11	4	
Spring washer M12	MS29/8	4	
Nut M12	MS35/10	4	
Strainer, suction tube 4 in. RT	52125/01	1	
Strainer, suction tube 5 1/2 in. RT	52125/02	1	
Seal, suction tube cap 4 in. RT	FP318	1	
Seal, suction tube cap 5 1/2 in. RT	LP550	1	
Suction tube cap 4 in. RT (Aluminium)	FWP 2004	1	
Suction tube cap 4 in. RT (Bronze)	UFP7362	1	
Suction tube cap 5 1/2 in. RT (Aluminium)	2112	1	
Suction tube cap 5 1/2 in. RT (Bronze)	2112/1	1	
Chain, suction tube cap	FWP 1062/1	1	
Blanking plate RTP (Aluminium)	UFP2842/2	1 (GMA units)	
Blanking plate RTP (Bronze)	UFP2842/3	1 (GMB units)	
Gasket, blanking plate	50734	1	
Screw M8	MS05/30	4	} Blanking plate
Spring washer M8	MS29/6	4	
Washer M8	MS25/9	4	

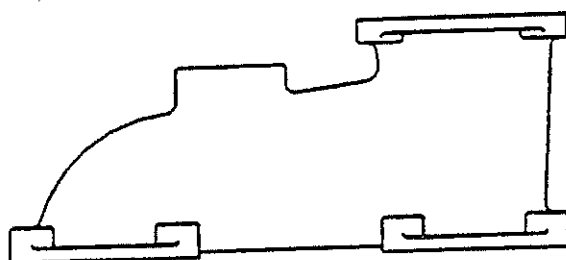
SUCTION TUBE AND MANIFOLD (Typical illustrations)



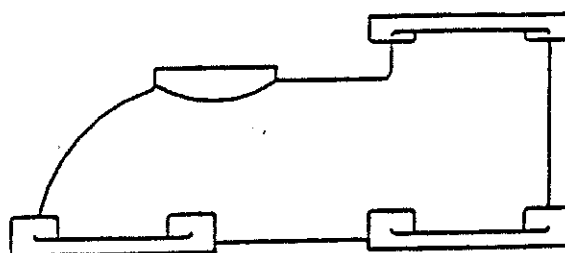
Typical 5.5" RT Suction Tube



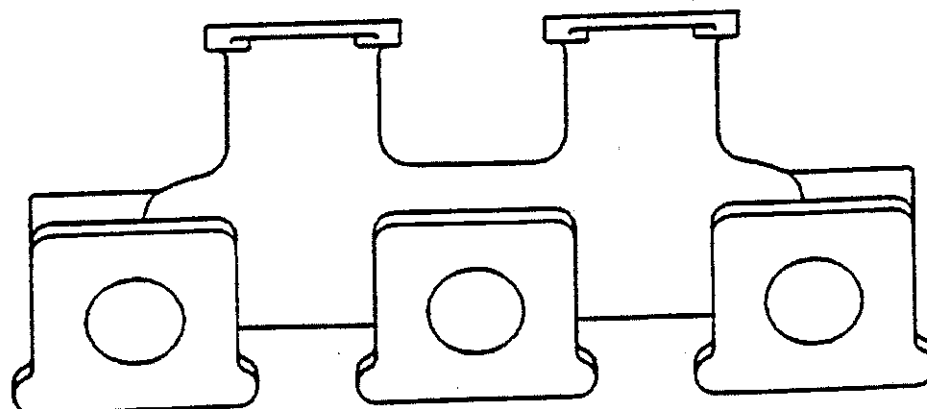
Typical 4.0" RT Suction Tube



GM5300 2 UK Valve Manifold



GM2700/3600 2 UK Valve Manifold



GM2700/3600 3 Cont'l Valve Manifold

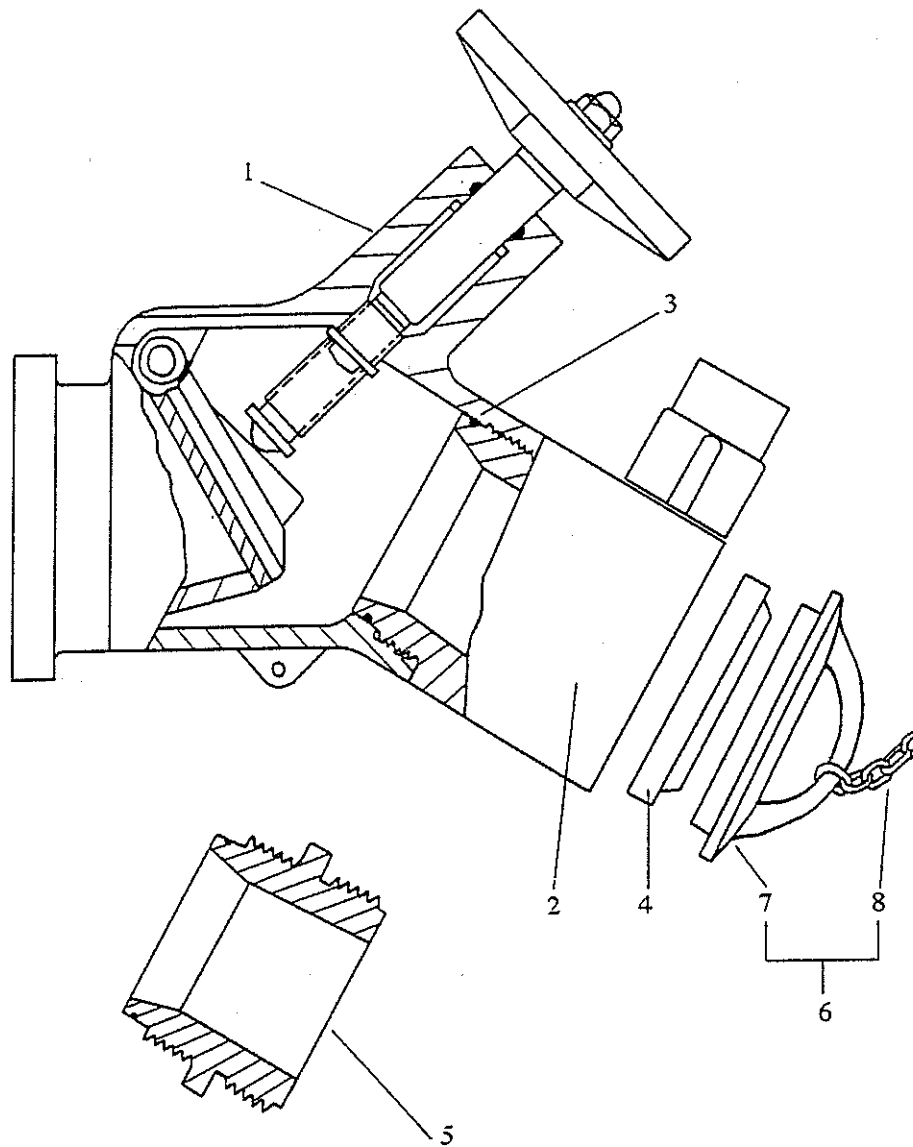
SUCTION TUBE AND MANIFOLD (Continued)

Description	Part No.	Qty (per unit)
Delivery spacer (Aluminium)	52500	2 (GMA2700/3600) (Total 2 Valves)
Delivery spacer (Bronze)	52500/01	2 (GMB2700/3600) (Total 2 Valves)
Delivery adaptor (Aluminium)	9594	2 (GMA2700/3600) (Total 2 Valves)
Delivery adaptor (Bronze)	9594/1	2 (GMB2700/3600) (Total 2 Valves)
Delivery manifold, UK & Ball valves (Aluminium)	UMP3436/4	2 (GMA2700/3600) (Total 4 Valves)
Delivery manifold, UK & Ball valves (Bronze)	UMP3436/3	2 (GMB2700/3600) (Total 4 Valves)
Delivery manifold, UK & Ball valves (Aluminium)	UMP4362/2	2 (GMA5300) (Total 4 Valves)
Delivery manifold, UK & Ball valves (Bronze)	UMP4362/3	2 (GMB5300) (Total 4 Valves)
Delivery manifold, Cont'l valves (Aluminium)	11832	1 (GMA2700/3600) (Total 3 Valves)
Delivery manifold, Cont'l valves (Bronze)	11832/1	1 (GMB2700/3600) (Total 3 Valves)

Note: Alternative delivery manifolds are available, please contact your local Customer Services Department.

Gasket, manifold to volute	UFP2688	2	
Gasket, valve to manifold	UFP2688	1 (per valve - UK & Ball)	
'O' ring, valve to manifold	54051	1 (per valve - Cont'l)	
Stud M10,	MS49/30	4	Valve to manifold (per valve)
Washer M10	MS25/10	4	
Spring washer M10	MS29/7	4	
Nut M10	MS35/9	4	

SCREW-DOWN DELIVERY VALVE (UK Type)



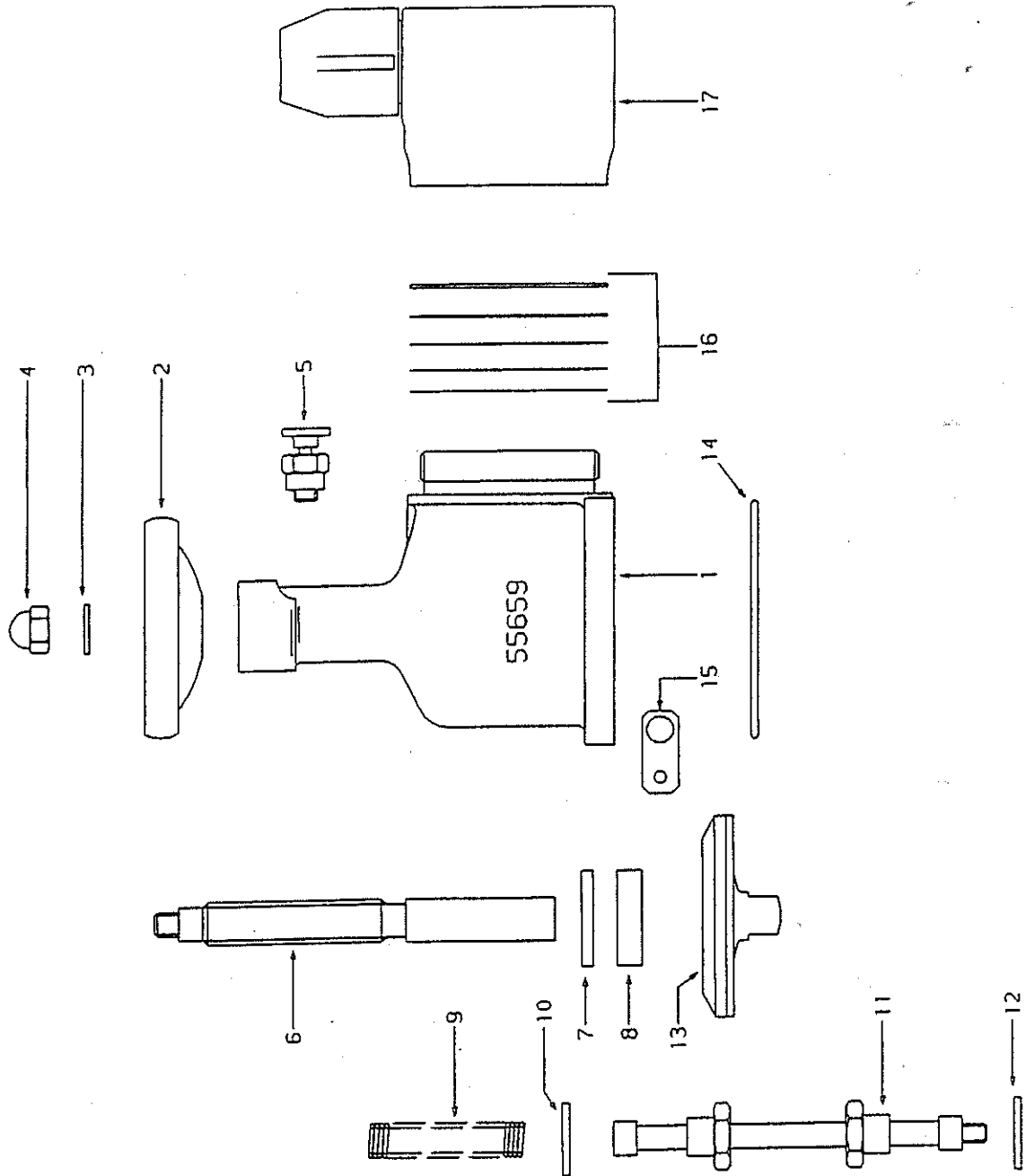
SCREW-DOWN DELIVERY VALVE (UK Type)

Item No.	Description	Part No.	Qty (per valve)
1	Delivery valve body	-	-
2	Delivery valve assembly 2 1/2 in. IC (Aluminium)	56544/01	1 (GMA units)
-	Delivery valve assembly 2 1/2 in. IC (Bronze)	56545/01	1 (GMB units)
3	'O' ring	56979/15 *	1
4	Seal	FWP1003/A *	1
5	Delivery valve assembly 2 1/2 in. BSP (Aluminium)	56544	1 (GMA units)
-	Delivery valve assembly 2 1/2 in. BSP (Bronze)	56545	1 (GMB units)
6	Blank cap assembly	THL119/6	1 (Consists of 7 & 8)
7	Blank cap - rubber	2415	1
8	Chain - 9" long	TH4749	1

* These are available in a seal kit

56940/04 Seal kit - UK Screw-down valves & IC

SCREW-DOWN DELIVERY VALVE (Continental type)

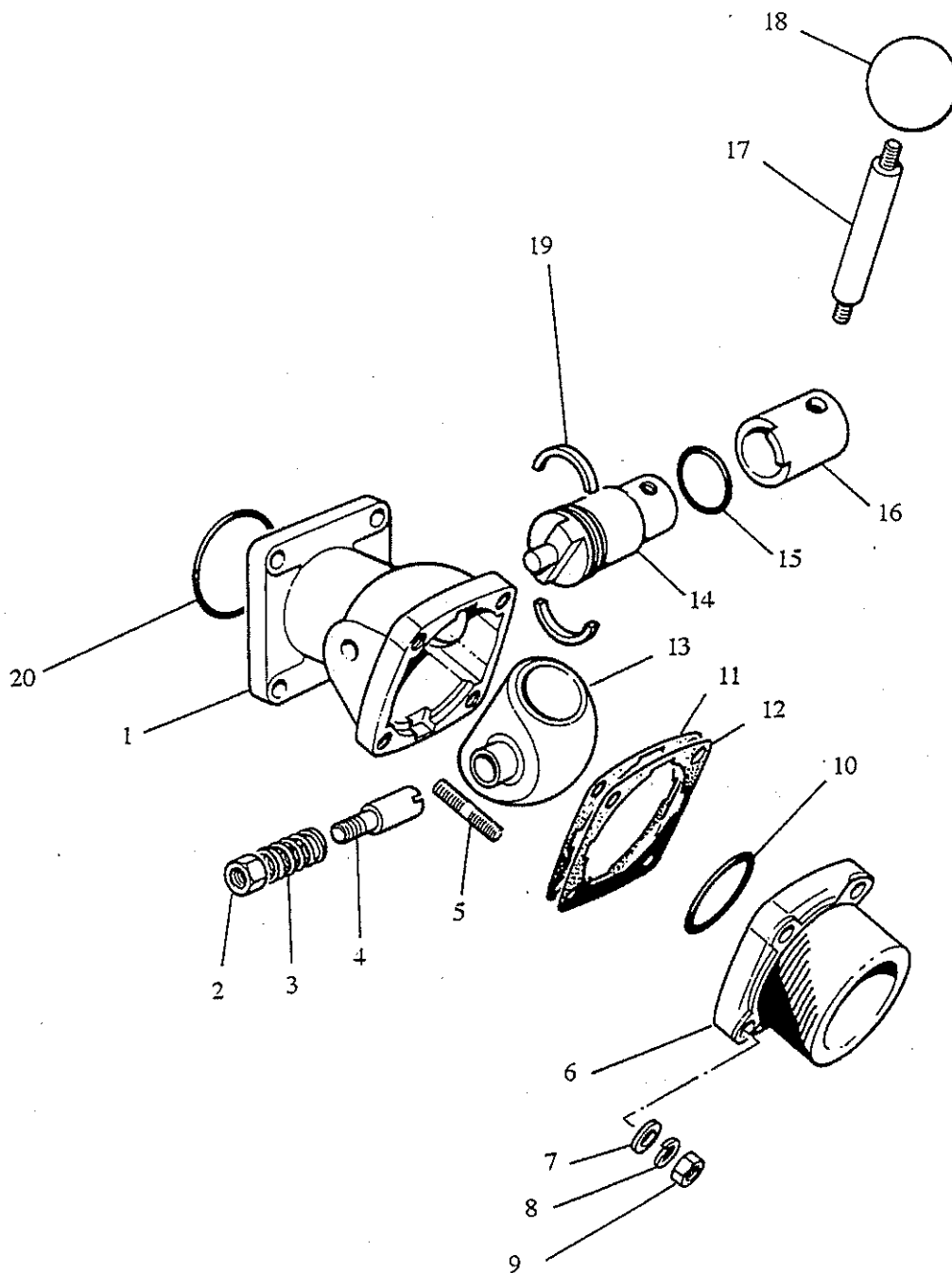


SCREW-DOWN DELIVERY VALVE (Continental type)

Item No.	Description	Part No.	Qty (per valve)
-	Delivery valve assembly 2 1/2 in. (Aluminium)	55659	1 (GMA units)
-	Delivery valve assembly 2 1/2 in. (Bronze)	55659/01	1 (GMB units)
1	Valve body (Aluminium)	56469/01	1
-	Valve body (Bronze)	56469/14	1
2	Hand wheel	56469/11	1
3	Washer M10	56469/12 *	1
4	Nut, domed M10	56469/13 *	1
5	Lock	56469/10 *	1 For hose-draining
6	Spindle	56469/02	1
7	Support ring	56469/03	1
8	Seal	56469/04 *	1
9	Spring	56469/09 *	1
10	Safety lock	56469/06	1
11	Stem assembly	56469/05	1
12	Safety lock	56469/08	1
13	Plate	56469/07 *	1
14	'O' ring, valve-to-volute	54051 *	1
15	Anchor, blank-cap chain	GPR11759/1	1
16	Shim pack	SATHM10722 *	1
17	Instantaneous connector 2 1/2" (Aluminium)	56559	1 (GMA units)
-	Instantaneous connector 2 1/2" (Bronze)	56559/01	1 (GMB units)

- * These are available in delivery valve seal kit
- | | |
|----------|--|
| 56940/01 | Seal kit - Continental delivery valve (Alum) |
| 56940/02 | Seal kit - Continental delivery valve (GM) |
| 56940/03 | Seal kit - Instantaneous connector (Cont'l & BV) |

BALL DELIVERY VALVE



BALL DELIVERY VALVE

Item No.	Description	Part No.	Qty (per valve)
-	Ball valve 2 1/2 in. BSP L.H. (Aluminium)	TH577/2	- (GMA units)
-	Ball valve 2 1/2 in. BSP R.H. (Aluminium)	TH578/2	- (GMA units)
-	Ball valve 2 1/2 in. BSP L.H. (Bronze)	TH577/1	- (GMB units)
-	Ball valve 2 1/2 in. BSP R.H. (Bronze)	TH578/1	- (GMB units)
1	Body, delivery valve L.H. (Aluminium)	TH4200/A	1 (GMA units)
-	Body, delivery valve R.H. (Aluminium)	TH4201/A	1 (GMA units)
-	Body, delivery valve L.H. (Bronze)	TH4200/B	1 (GMB units)
-	Body, delivery valve R.H. (Bronze)	TH4201/B	1 (GMB units)
2	Nut 5/16 in. UNF	S214/4	1
3	Spring, ball valve	TH11205 *	1
4	Pivot, ball	TH11194	1
5	Stud 3/8 in, valve cap-to-body	S165/8	4
6	Valve cap (Aluminium)	TH3331/1A	1 (GMA units)
-	Valve cap (Bronze)	TH3331/1B	1 (GMB units)
7	Washer 3/8 in.	S21/5	4
8	Spring washer 3/8 in.	S20/5	4
9	Nut 3/8 in. UNF	S214/5	4
10	'O' ring, valve seating	THG3419 *	1
11	Gasket, 0.010 in. thick	TH11197 *	1
12	Gasket, 0.003 in. thick	TH11197/1 *	1
13	Ball valve (Aluminium)	TH2258	1 (GMA units)
-	Ball valve (Bronze)	TH2255	1 (GMB units)
14	Valve stem	THG3469/1	1
15	'O' ring, valve stem	THG4086 *	1
16	Handle boss (Aluminium) L.H.	TH5372/3A	1 (GMA units)
-	Handle boss (Aluminium) R.H.	TH5372/1A	1 (GMA units)
-	Handle boss (Bronze) L.H.	TH5372/3B	1 (GMB units)
-	Handle boss (Bronze) R.H.	TH5372/1B	1 (GMB units)
17	Handle	TH5370/2	1
18	Knob, handle	TH1835/1A	1
19	Collar, valve-to-stem (pair half-collars)	TH11190 *	1
20	'O' ring, body-to-delivery manifold	TH1511/A *	1

* Available in seal kit.

56940/05 Seal kit - Ball valve

For information on Instantaneous connectors refer to Delivery valves - continental type.

RECOMMENDED SPARES

GM2700 MODEL			GM3600 & GM5300 MODELS		
Part No.	Description	Qty	Part No.	Description	Qty
UFP2300	Carbon seal	1	UMP2300	Carbon seal	1
UMP9367/1	Seating ring	1	UMP9367/1	Seating ring	1
UMP9370	'O' ring	1	UMP9730	'O' ring	1
UFP2301	'O' ring	1	UMP2301	'O' ring	1
UMP9413	'O' ring	1	UMP9413	'O' ring	1
FP301	Joint	2	UFP2295/1	Gasket	2
UFP2295/1	Gasket	2	UMP2303/10	Dowty seal	3
UFP2303/10	Dowty seal	3	UMP6543	Joint	1
UMP6543	Joint	1	UFP2303/3	Dowty seal	4
UFP2303/3	Dowty seal	5	UMP6525	Seal	2
UMP6525	Seal	2	UFP2290	'O' ring	1
UFP2290	'O' ring	1	UMP9735	'O' ring	1
UMP9735	'O' ring	1	UMP9736	'O' ring	1
UMP9736	'O' ring	1	UMP5954	Diaphragm	1
UFP5945	Gasket	1	UMP9802	Diaphragm	1
UFP5954	Diaphragm	1	UMP9797	Gasket	1
UMP9802	Diaphragm	1	UMP9392	Joint	3
UMP9797	Gasket	1	UMP9395	Oil seal (front)	1
UMP9392	Joint	3	UMP9404	Oil seal (rear)	1
UMP9395	Oil seal (front)	1	UFP2609	Tabwasher	4
UMP9404	Oil seal (rear)	1	MS31/5	Washer, shakeproof	6
UFP2609	Tabwasher	4	UMP9819	Joint	1
MS31/5	Washer, shakeproof	6	UMP9818	Joint	1
UMP9819	Joint	1	UMP9806	Drain valve seal	1
UMP9818	'O' ring	1	UMP6538	'O' ring	1
UMP9806	Drain valve seal	1	UMP9703	Nut	2
UMP6538	Joint	1	MS178/69	Split pin	2
UMP9703	Nut	2	UMP9411/1	Shim (.002 in.)	4
MS178/69	Split pin	2	UMP9411/2	Shim (.005 in.)	2
UMP9411/1	Shim (.002 in.)	4	UMP9411/3	Shim (.010 in.)	2
UMP9411/2	Shim (.005 in.)	2	UMP9411/4	Shim (.015 in.)	2
UMP9411/3	Shim (.010 in.)	2	UFP2303/5	Dowty seal	2
UMP9411/4	Shim (.015 in.)	2	UFP2303/7	Dowty seal	6
UMP2303/5	Dowty seal	2	UMP6549	Bearing bush	1
UMP6549	Bearing bush	1	UFP2303/5	Dowty seal	2
UFP2303/8	Dowty seal	2	UFP2303/7	Dowty seal	1
UFP2303/7	Dowty seal	1	UFP2303/13	Dowty seal	1
UFP2303/13	Dowty seal	1	UMP6542/4	Valve ball	1
UMP6542/4	Valve ball	1	P/OUMP 6542E	Ball seal	2
P/OUMP 6542E	Ball seal	2	P/OUMP 6542D	Spindle seal	1
P/OUMP 6542D	Spindle seal	1	UMP2314/2	Hose	1
UMP2314/2	Hose	1	MS81/6	Hose clip	2
MS81/6	Hose clip	2	1657	'O' ring	2
1657	'O' ring	2	UFP6484	Seal	1
UFP5939	Seal	1	MS33/8	Dowty seal	1

RECOMMENDED SPARES (Continued)

GM2700 MODEL			GM3600 & GM5300 MODELS		
Part No.	Description	Qty	Part No.	Description	Qty
UFP5938	Diaphragm	1	UFP6489	Diaphragm	1
UMP9200	Filter	2	UMP9200	Filter	2
UMP7915	Pulley	2	UMP7915	Pulley	2
WRP7993	'O' ring	1	WRP7993	'O' ring	1
WRP7973	Joint	1	WRP7973	Joint	1
WRP7972	Spring	1	WRP7972	Spring	1
WRP7986	Bearing	1	WRP7986	Bearing	1
WRP7987	Bearing	1	WRP7987	Bearing	1
WRP7985	Seal	1	WRP7985	Seal	1
MS179/35	Key	1	MS179/35	Key	1
WRP9707	Woodruff key	1	WRP9707	Woodruff key	1
WRP7938/1	Tabwasher	1	WRP7938 /1	Tabwasher	1
WRP7953	Joint	1	WRP7953	Joint	1
WRP7954	Joint	1	WRP7954	Joint	1
UFP2303/15	Filter washer	1	UFP2303/15	Filter washer	1
FWP1003/A	Valve seal	4	FWP1003/A	Valve seal	4
UMP6817	Plug	1	UMP6817	Plug	1
MS33/12	Sealing washer	16	MS33/12	Sealing washer	16

GM 27/36/53

FITMENT OF 57446 PRIMER MOD KIT +
TO 55550/04 PISTON PRIMER
INTENDED FOR HIGH LIFT APPLICATIONS

1. Disconnect the flexible tube assembly from the lower front side of the primer.
2. Remove and discard threaded union from the primer.
3. Remove all dirt, grease and paint from the spotface surrounding the tapped hole, from where the union was removed.
4. Fit the Hobbs nut and seal to the tee piece with the seal and conical portion of the nut nearest the open end of the thread.
5. Screw the tee piece into the primer as far as possible, whilst keeping the tee portion horizontal, and securely tighten the nut down onto the primer body.
6. Fit the nipples adapter into the tee piece so that it is on the side farthest away from the primer pivot and securely tighten.
7. Re-connect the flexible tube assembly to the nipples adaptor.
8. GM pumps - remove the large plug from the cross over filter elbow.
GV pumps - remove the large plug from the adaptor on the volute.
9. Replace with the tapped plug, re-using the sealing washer and tighten securely.
10. Screw the elbow, supplied with the kit into the tapped plug. The threads should be sealed with a suitable liquid thread sealant or P.T.F.E. tape. Tighten the elbow so that it faces rearwards toward the primer.
11. Fit a sleeve nut and olive to one end of the black nylon tube, push into the open end of the tee on the primer and securely tighten.
12. Repeat the operation, securing the tube at the elbow on the pump. The tube should follow a smooth curve between the pump and primer, and must not have any kinks or restriction in it.
13. Pressurise the pump, either from an external source or by running the pump to generate a pressure of approximately 8 bar to check for water leaks.
14. With the pump running, reduce the pressure and confirm that the primer re-engages at a pump pressure below 2 bar.

TITLE

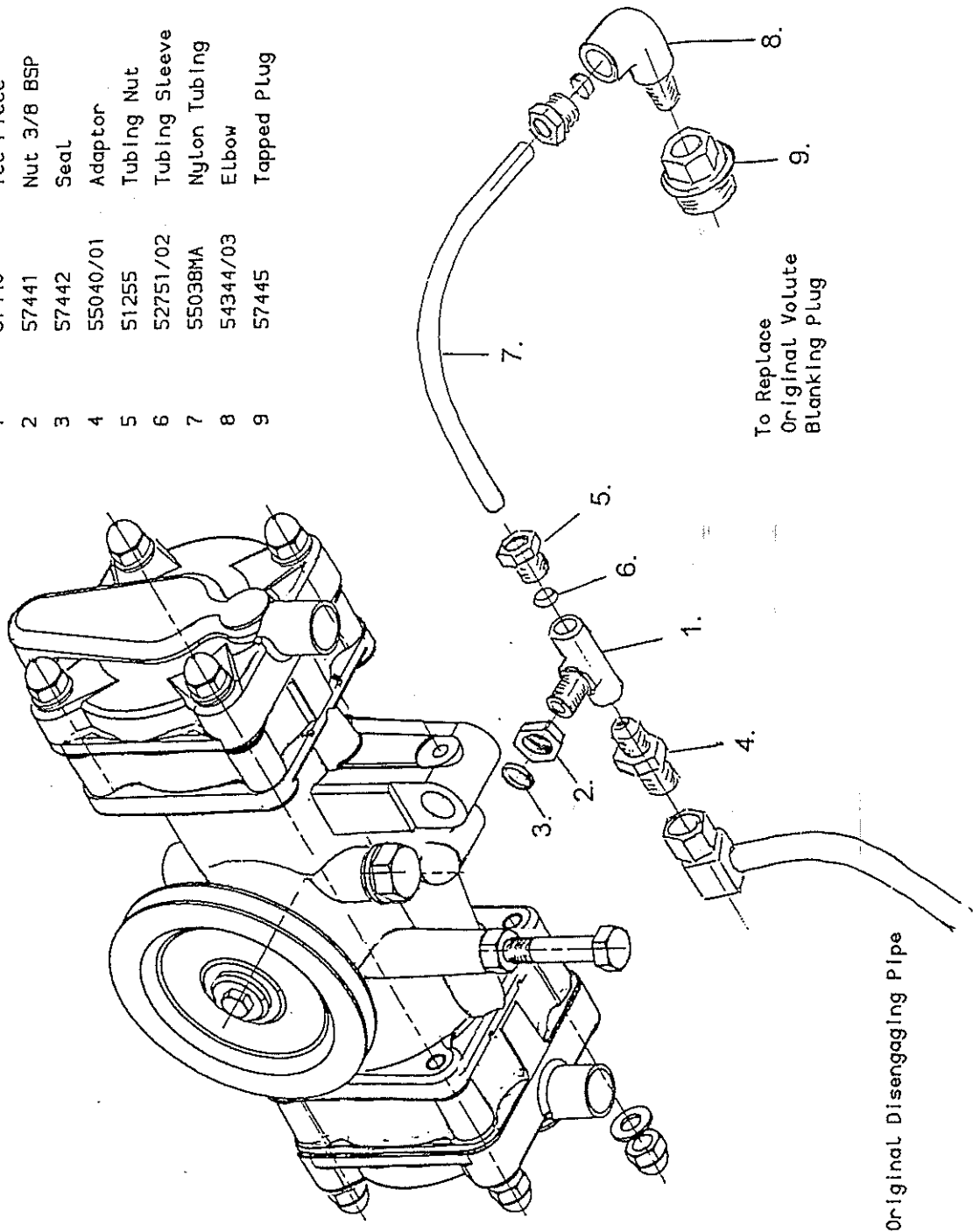
57446 Mod. Kit - Piston Primer

DRAWN

I.G.B.

DS521

Item No.	Part no.	Description	No. Off
1	57440	Tee Piece	1
2	57441	Nut 3/8 BSP	1
3	57442	Seal	1
4	55040/01	Adaptor	1
5	51255	Tubing Nut	2
6	52751/02	Tubing Sleeve	2
7	55038MA	Nylon Tubing	1
8	54344/03	Elbow	1
9	57445	Tapped Plug	1



TITLE

57446 Mod. Kit - Piston Primer

DRAWN

I.G.B.

DS521