GODIVA Prima

VEHICLE MOUNTED SINGLE PRESSURE PUMP – P1 Models

Spares Manual

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AMENDMENT RECORD

Model: Prima P1

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introduction

This publication provides comprehensive detail of available maintenance and repair items appropriate to the Godiva Prima vehicle mounted pump. Supplementary information to previous publications may be found here concerning Warnings, Cautions and Safety.

IMPORTANT NOTES

Spares

Use only approved replacement parts as recommended by Godiva Ltd. Use of non-approved parts or unauthorised modification of the Godiva Prima Fire Pump may result in death or injury and invalidate any product warranty.

Ordering

When ordering replacement parts please state:

- Model – e.g Prima single or twin pressure, aluminum or bronze pump
- Serial number – *this is a six figure number stamped on the main pump body or on a plate in the vehicle bay*
- Year of manufacture
- Part description
- Part number
- Quantity required

Pump

Godiva products may only be repaired or serviced by persons trained in said procedures by either Godiva Ltd., or their approved agents.

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SAFETY RELEVANT DATA

Thank you for purchasing a Godiva Pump.

Godiva Pumps are designed to give safe and reliable service. BEFORE use, it is essential that the Operating and Installation Instructions are carefully read and understood.

Maintenance

It is the responsibility of the user to ensure that the equipment is maintained in a safe operational condition. Local legislative conditions may apply. UK only, Maintenance (Regulation 5) of the Provision and Use of Work Equipment Regulations 1998 applies.

Training

It is ESSENTIAL that Godiva pumps are operated ONLY by TRAINED PERSONNEL. Please contact Godiva Ltd to discuss your training needs. Follow the operating procedures laid down in this document and avoid personal injury.

Safety Points

The following points apply mainly to pumps driven by petrol, diesel or other means:

The exhaust system, manifolds and turbocharger become VERY HOT in use, DO NOT TOUCH. Allow the system to cool before maintenance or inspection.

DO NOT REMOVE the radiator pressure cap if the engine is either hot or running.

DO NOT OPERATE the unit close to flammable materials or structures.

ENSURE that exhaust fumes are safely ventilated.

DO NOT SMOKE while operating the unit.

DO NOT inhale fumes or gases.

DO NOT REFUEL unless the engine is stationary and COLD.

ENSURE that the fuel cap is secure and DO NOT overfill the tank.

Avoid prolonged skin contact with fluids, particularly if corrosive or carcinogenic.

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When in use, keep ALL UNTRAINED people AWAY from the unit.

Where appropriate, eye protection should be worn.

DO NOT run the engine with the alternator or batteries disconnected.

Disconnect the negative (-ve) battery lead first and reconnect last.

Isolate the electrical supply when working on the pump.

Avoid battery spillage.

Batteries produce EXPLOSIVE GASES, do not expose to sources of heat and naked flames.

DO NOT lift heavy weights without assistance.

DO NOT remove protective guards or shields.

Noise

Operators must wear suitable EAR PROTECTION when the pump is running.

ENVIRONMENTAL PROTECTION

It is prohibited to pour engine oil and other contaminants onto the ground, down sewers, drains, or into water courses.
Dispose of lubricants through authorised waste disposal contractors, licensed waste disposal sites, or to the waste reclamation trade.
If in doubt, contact your Local Environmental Agency for advice regarding disposal policies.

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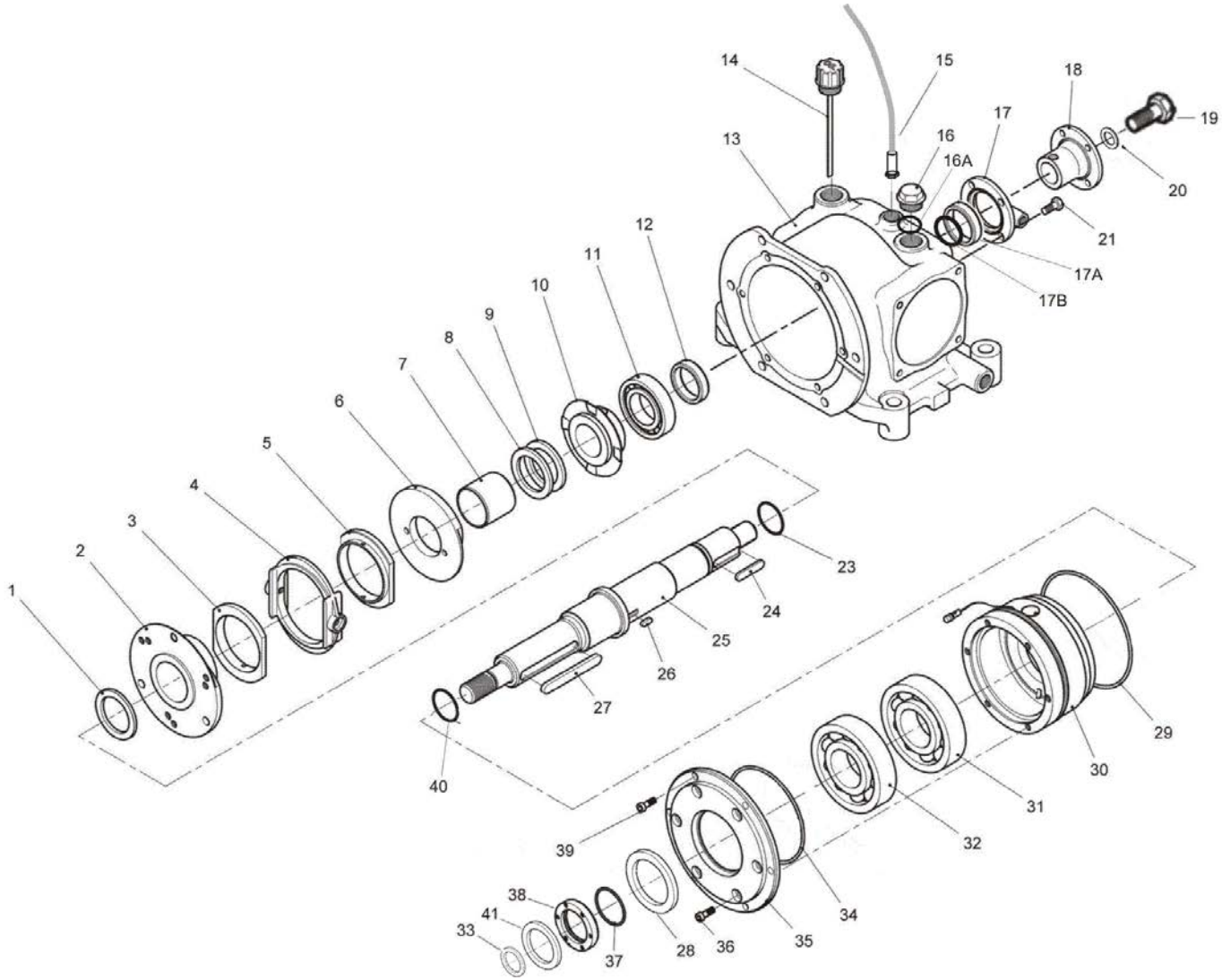
Bearing Housing - illustration



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Bearing Housing – List

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
1	Shim pack – see separate table, p12	-	65166 series	65166 series	
2	Eccentric drive	1	65021/005	65021/005	
3	Slider bush	1	65121/001	65121/001	
4	Yoke	1	65012/302	65012/302	
5	Slider bush	1	65121/001	65121/001	
6	Balance weight	1	65022/003	65022/003	
7	DU Bearing	1	56949/008	56949/008	
8	Shim pack – see separate table, p14	-	65166 series	65166 series	
9	Shim pack – see separate table, p14	-	65166 series	65166 series	
10	Spacer/flinger assembly	1	65025/003	65025/003	
11	Bearing roller	1	60007	60007	
12	Wear ring, oil seal	1	60008	60008	
13	Bearing housing	1	65000/300	65000/300	
14	Oil filler / level unit	1	65098	65098	
15	Tachometer sender unit	1	60015/001	60015/001	
16	Plug ¾ in BSP	1	S64/6	S64/6	
16A	Bonded seal ¾ in, for item 16	1	UFP2303/10	UFP2303/10	
17	Seal housing	1	65094	65094	
17A	Oil seal, for item 17	1	50682/02	50682/02	
17B	O ring, for item 17	1	65130	65130	
18	Drive flange – see p14	1	See options table	See options table	
19	Screw, hex head	1	MS07/35	MS07/35	
20	Clamp washer	1	60072/04	60072/04	
21	Screw, socket head	4	MS166/25	MS166/25	
23	O ring	1	53384/01	53384/01	
24	Key, drive flange to shaft	1	017-0300-02-0	017-0300-02-0	

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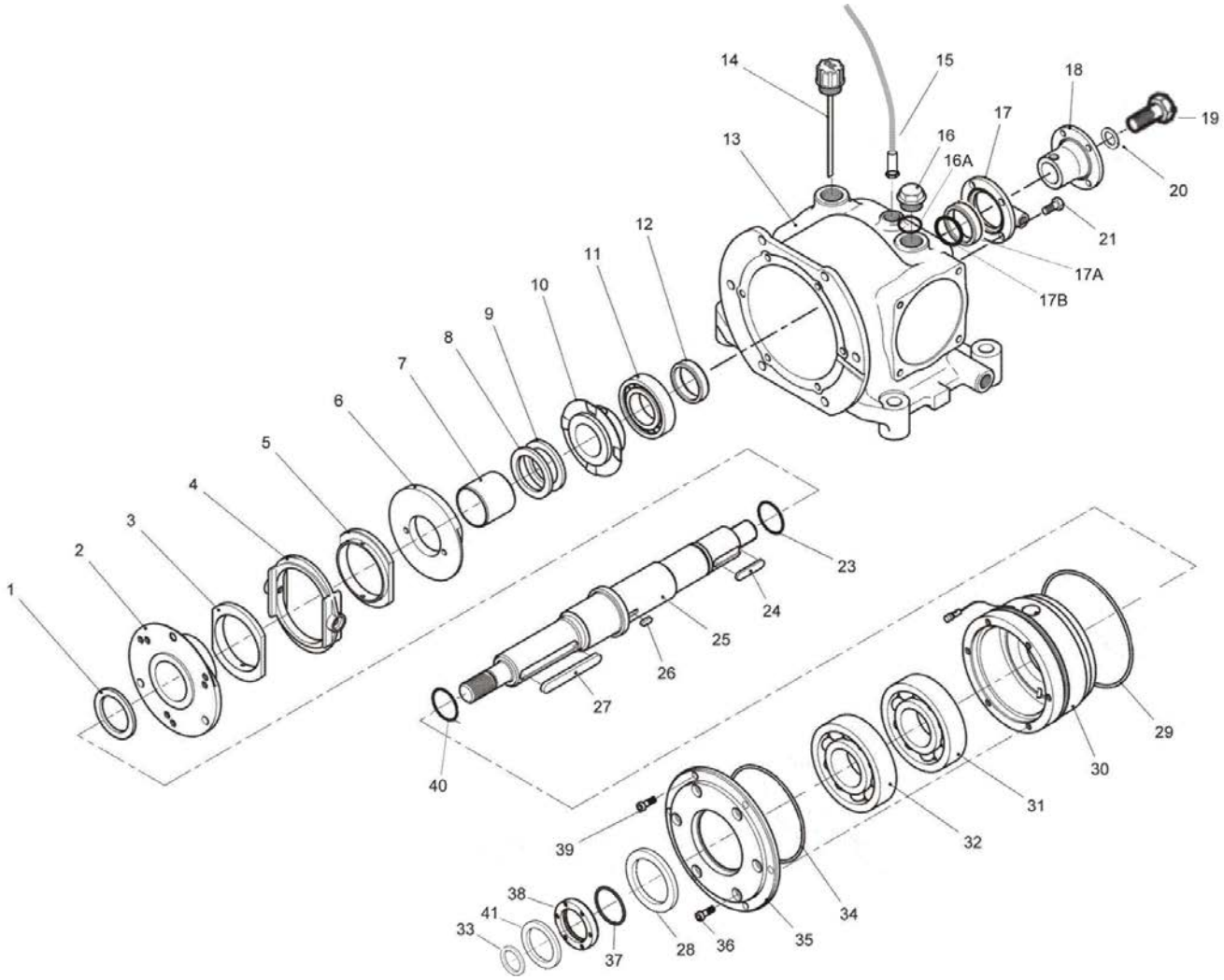
Bearing Housing - illustration



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Bearing Housing – List

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
25	Drive shaft, single pressure	1	65028/001	65028/001	
-	Drive shaft, single pressure, with Gearbox	1	65028/003	65028/003	
26	Key, clutch to shaft	1	MS79/44	MS79/44	
27	Key, impeller to shaft	1	MS180/31	MS180/31	
28	Oil seal	1	60012	60012	
29	O ring	1	53526	53526	
30	Electro-magnetic clutch	1	65017/004	65017/004	
31	Bearing	1	60002	60002	
32	Bearing	1	60002	60002	
33	Shim pack – see separate table, p12	-	60095 series	60095 series	
34	O ring	1	65171	65171	
35	Seal housing	1	65019/001	65019/001	
36	Screw, socket head	6	MS164/20	MS164/20	
37	O ring	1	51355	51355	
38	Seal wear ring	1	60141	60141	
39	Screw, socket head	6	MS164/20	MS164/20	
40	O ring	1	57044	57044	
41	Flinger	1	60014	60014	

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Bearing Housing - Shim Details

Items 8,9 - Select pair of shim spacers to give minimum clearance for free rotation
Item 1 - Select shim spacer to give 0.24 / 0.40 air gap on clutch

SHIM SPACER COMBINATION

	4.0	4.1	4.2	4.3	4.4	4.5	5.1
PACK THICKNESS	PART No 65166	PART No 65166/001	PART No 65166/002	PART No 65166/003	PART No 65166/004	PART No 65166/005	PART No 65166/006
COLOUR	BLACK	WHITE	RED	BLUE	GREEN	YELLOW	ORANGE
8.0	QTY 2						
8.1	QTY 1	QTY 1					
8.2	QTY 1		QTY 1				
8.3	QTY 1			QTY 1			
8.4	QTY 1				QTY 1		
8.5	QTY 1					QTY 1	
8.6				QTY 2			
8.7				QTY 1	QTY 1		
8.8				QTY 1		QTY 1	
8.9					QTY 1	QTY 1	
9.0						QTY 2	
9.1	QTY 1						QTY 1
9.2		QTY 1					QTY 1
9.3			QTY 1				QTY 1
9.4				QTY 1			QTY 1
9.5					QTY 1		QTY 1
9.6						QTY 1	QTY 1

ALTERNATIVE COMBINATION

	4.1	4.2	4.3	4.4	4.5
PACK THICKNESS	PART No 65166/001	PART No 65166/002	PART No 65166/003	PART No 65166/004	PART No 65166/005
COLOUR	WHITE	RED	BLUE	GREEN	YELLOW
8.2	QTY 2				
8.3	QTY 1	QTY 1			
8.4	QTY 1		QTY 1		
8.5	QTY 1			QTY 1	
8.6	QTY 1				QTY 1
8.7		QTY 1			QTY 1
8.8				QTY 2	

ALTERNATIVE COMBINATION

	4.2	4.3
PACK THICKNESS	PART No 65166/002	PART No 65166/003
COLOUR	RED	BLUE
8.4	QTY 2	
8.5	QTY 1	QTY 1

Shim Pack Details for item 33

	0.002"	0.005"	0.010"	0.015"
PACK THICKNESS	PART No 60095/01	PART No 60095/02	PART No 60095/03	PART No 60095/04
0.002"	QTY 1			
0.004"	QTY 2			
0.005"		QTY 1		
0.006"	QTY 3			
0.007"	QTY 1	QTY 1		
0.008"	QTY 4			
0.009"	QTY 2	QTY 1		
0.010"			QTY 1	
0.011"	QTY 3	QTY 1		
0.012"	QTY 1		QTY 1	
0.013"	QTY 4	QTY 1		
0.014"	QTY 2		QTY 1	
0.015"				QTY 1
0.016"	QTY 3		QTY 1	
0.017"	QTY 1	QTY 1	QTY 1	
0.018"	QTY 4		QTY 1	
0.019"	QTY 2			QTY 1
0.020"			QTY 2	
0.021"	QTY 3			QTY 1
0.022"	QTY 1		QTY 2	
0.023"	QTY 4			QTY 1
0.024"	QTY 2		QTY 2	
0.025"			QTY 1	QTY 1
0.026"	QTY 3		QTY 2	
0.027"	QTY 1	QTY 1	QTY 2	
0.028"	QTY 4		QTY 2	
0.029"	QTY 2		QTY 1	QTY 1
0.030"				QTY 2

Item 18 Drive Flange Options – for pumps without gearbox

Type	Pump with Piston Primer	Pump with Water Ring Primer
SAE 1410	65693	65694
SAE 1510	65693/001	65694/001
DIN 100	65693/002	65694/002
DIN 120/8	65693/003	65694/003
1600	65693/004	65694/004
1700	65693/005	65694/005
1800	65693/006	65694/006

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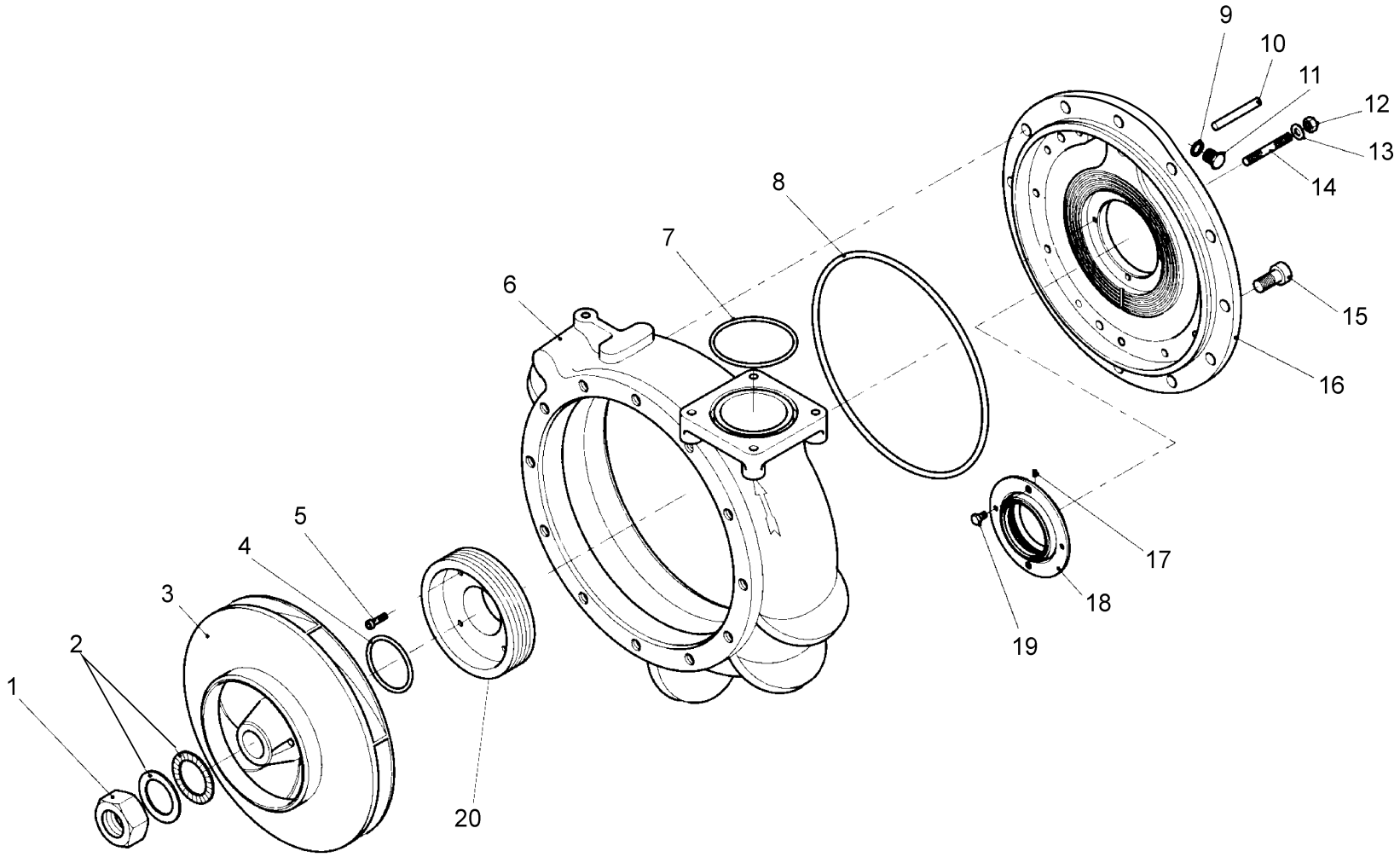
Pump Group - illustration



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Pump Group – List

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
1	Nut, impeller to shaft	1	65181	65181	
2	Lock washer, pair	1	60072/06	60072/06	
3	Impeller, low pressure, RH outlet	1	60230	60230/100	2010/3010 model
-	" " " " "	1	60342	60342/100	4010 model
-	" " " " "	1	60842	60842/100	6010 model
-	Impeller, low pressure, LH outlet	1	60306	60306/100	2010/3010 model
-	" " " " "	1	60371	60371/100	4010 model
-	" " " " "	1	60848	60848/100	6010 model
4	O ring	1	57204	57204	
5	Screw, rear wear ring to pump head	6	MS163/25	MS163/25	
6	Volute body	1	65095/000	65095/100	2010/3010 model
-	" "	1	65096/000	65096/100	4010/6010 model
7	O ring, between volute and manifold	1	THM11034	THM11034	2010/3010 model
-	" " " " "	1	52649	52649	4010/6010 model
8	O ring, between pump body and volute	1	65097	65097	
9	Seal	1	UFP2303/5	UFP2303/5	
10	Stud, priming valve to pump head	2	MS47/85	MS47/85	
11	Plug	1	S64/2	S64/2	
12	Nut, pump head to bearing housing	6	MS35/9	MS35/9	
13	Spring washer, pump head to bearing housing	6	MS29/7	MS29/7	
14	Stud, pump head to bearing housing	6	MS49/30	MS49/30	
15	Screw, volute to pump head	12	MS166/30	MS166/30	
16	Pump head	1	65092/200	65092/200	
17	Seal, for item 18	2	MS133/6	MS133/6	
18	Mechanical seal assembly	1	65131	65131	
19	Screw, for item 18	2	MS104/10	MS104/10	
20	Wear ring, LP impeller rear	1	65078/003	65078/003	2010/3010 model
-	" " " "	1	65078/004	65078/004	4010 model
-	" " " "	1	65078/005	65078/005	6010 model

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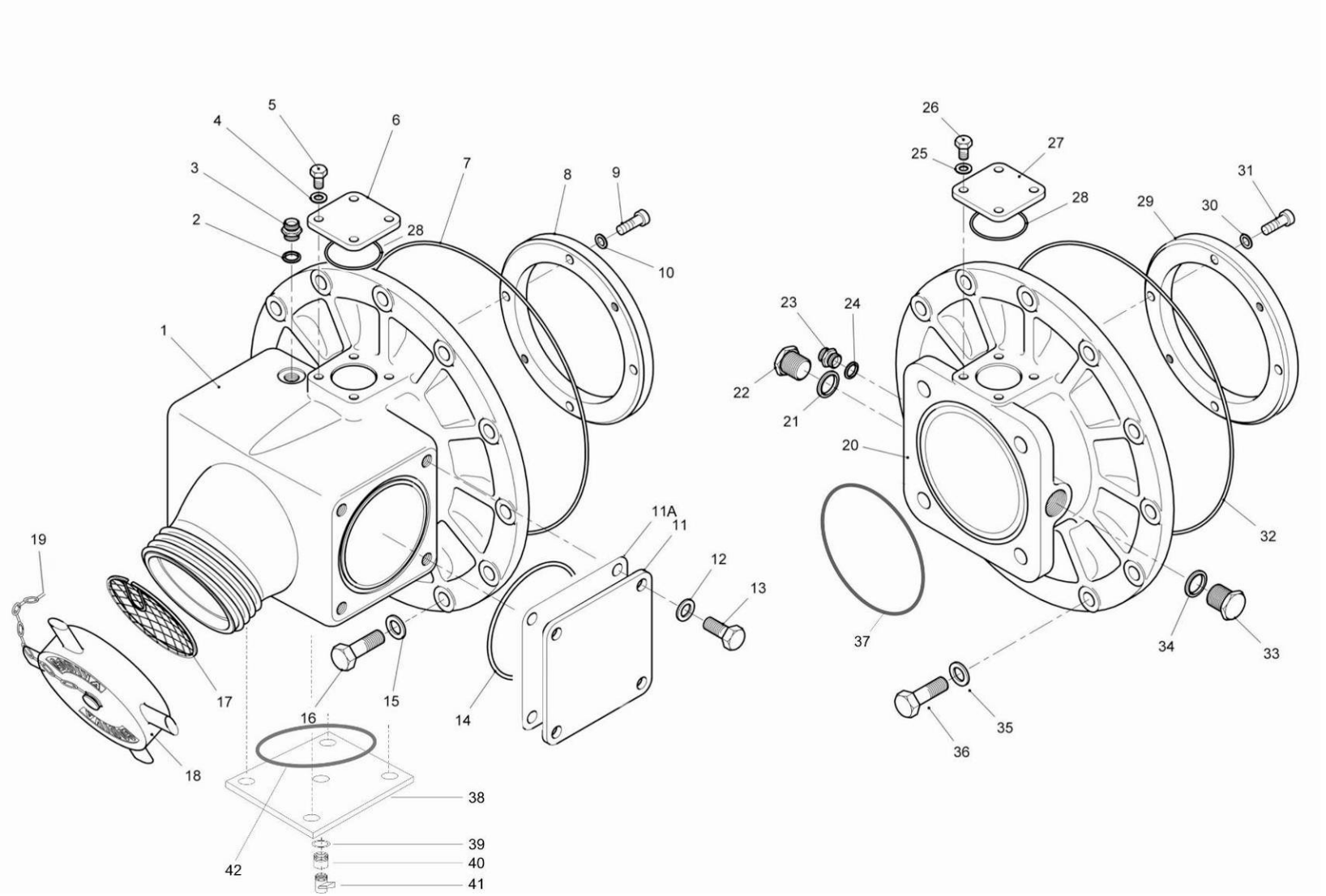
Suction Tube Group – illustration – 2010 Model



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Suction Tube Group – List – 2010 Model

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
1	Suction tube, 2010, 25° angle, 4” R.T.	1	65074/000	65074/100	
2	Seal	1	UFP2303/5	UFP2303/5	
3	Union, for gauge connection	1	56403	56403	
4	Washer	4	MS25/9	MS25/9	
5	Screw	4	MS05/20	MS05/20	
6	Plate, RTP blanking	1	60168	60168	
7	O ring, suction tube to volute	1	65097	65097	
8	Wear ring, front	1	65078	65078	
9	Screw, socket head	4	MS164/25	MS164/25	
10	Washer	4	MS125/9	MS125/9	
11	Blanking plate	1	65189	65189	
11A	Shim, Blanking plate	1	65483	65483	
12	Washer, blanking plates, side and bottom location	8	MS25/11	MS25/11	
13	Screw, blanking plates, side and bottom location	8	MS07/30	MS07/30	
14	O ring, blanking plate	3	65406	65406	
15	Washer	12	MS25/11	MS25/11	
16	Bolt	12	MS19/45	MS19/45	
17	Strainer	1	52125/01	52125/01	
18	Cap, suction tube	1	FWP2004	UFP7362	
19	Chain	1	FWP1062/1	FWP1062/1	
-	Chain anchor	1	65502	65502	
20	Suction flange, 175 DIN Sq	1	65073/000	65073/100	
21	Seal	1	UFP2303/8	UFP2303/8	
22	Plug	1	S64/4	S64/4	
23	Union	1	56403	56403	
24	Seal	1	UFP2303/5	UFP2303/5	

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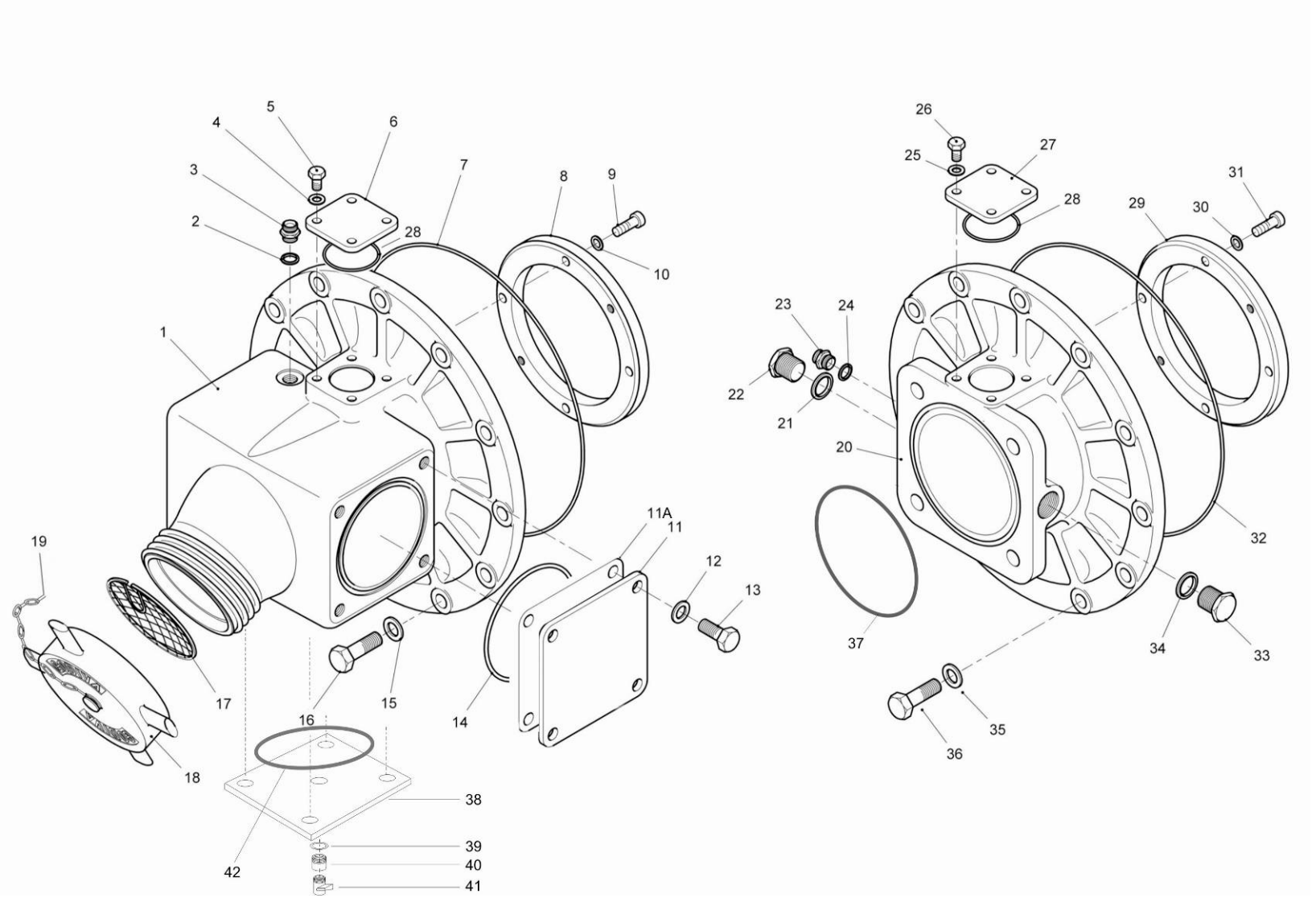

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Suction Tube Group – List – 2010 Model

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
25	Washer	4	MS25/9	MS25/9	
26	Screw	4	MS05/20	MS05/20	
27	Plate, RTP blanking	1	60168	60168	
28	O ring	1	51355	51355	
29	Front wear ring	1	65078	65078	
30	Washer	4	MS125/9	MS125/9	
31	Screw	4	MS164/25	MS164/25	
32	O ring	1	65097	65097	
33	Plug	1	S64/6	S64/6	
34	Seal	1	UFP2303/10	UFP2303/10	
35	Washer	12	MS25/11	MS25/11	
36	Bolt	12	MS19/45	MS19/45	
37	O ring, suction tube flange	1	GPL10564	GPL10564	
38	Blanking plate, bottom, with drain	1	65189/002	65189/002	
39	Seal	1	UFP2303/8	UFP2303/8	
40	Adaptor	1	65503/001	65503/001	
41	Drain valve	1	65214/001	65214/001	
42	O ring	1	65406	65406	

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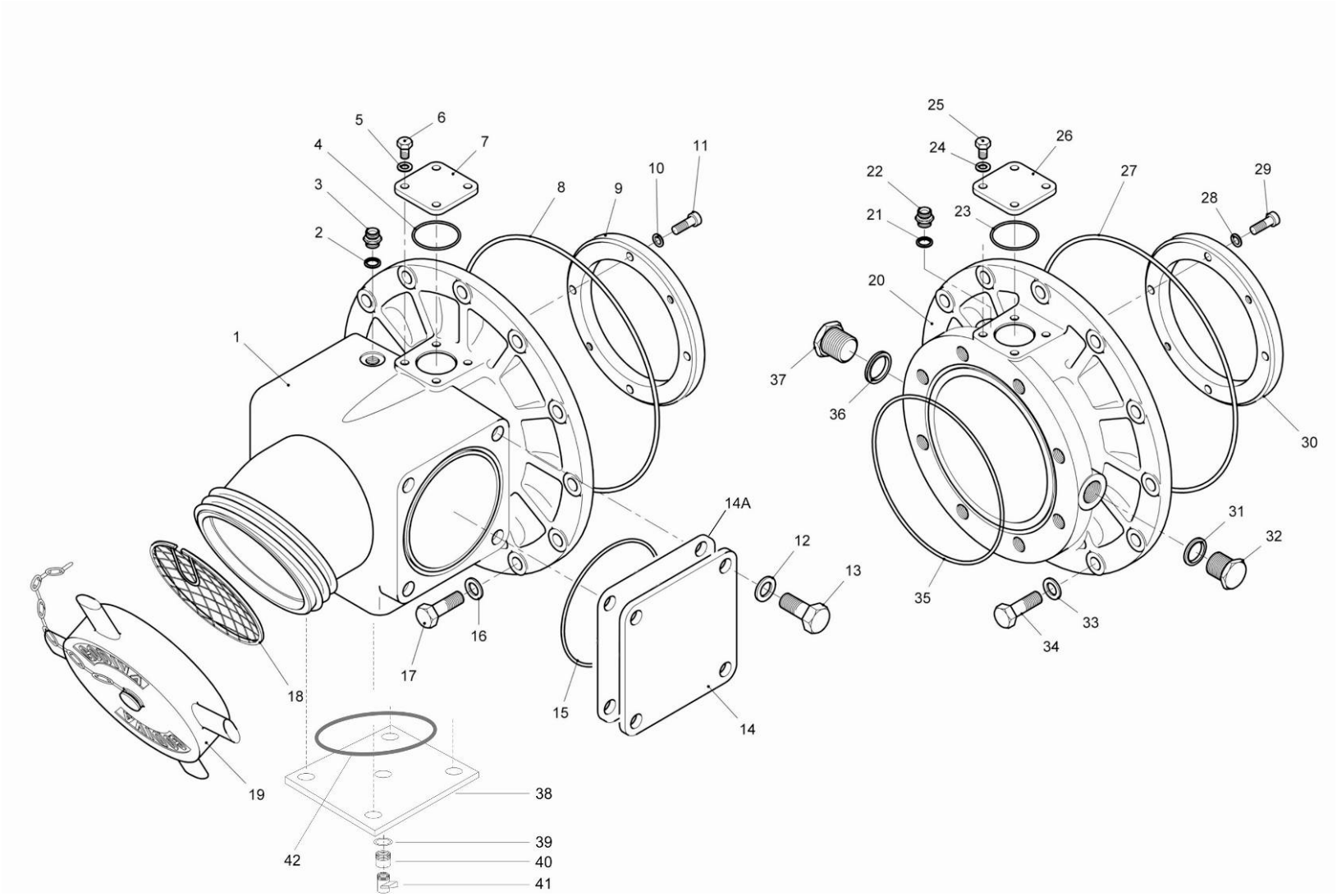
Suction Tube Group – illustration – 3010 / 4010 Model



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Suction Tube Group – List – 3010 / 4010 Model

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
1	Suction tube, 3010, 25° angle, 5½ R.T.	1	65075/000	65075/100	
	Suction tube, 4010, 25° angle, 5½ R.T.	1	65076/000	65076/100	
2	Seal	1	UFP2303/5	UFP2303/5	
3	Union, for gauge connection	1	56403	56403	
4	O ring	1	51355	51355	
5	Washer	4	MS25/9	MS25/9	
6	Screw	4	MS05/20	MS05/20	
7	Plate, RTP blanking	1	60168	60168	
8	O ring, suction tube to volute	1	65097	65097	
9	Wear ring, front, 3010	1	65078	65078	
-	Wear ring, front, 4010	1	65078/001	65078/001	
10	Washer	4	MS125/9	MS125/9	
11	Screw, socket head	4	MS164/25	MS164/25	
12	Washer	8	MS25/13	MS25/13	
13	Screw	8	MS20/45	MS20/45	
14	Blanking plate	1	65189/001	65189/001	
14A	Shim	1	65483/001	65483/001	
15	O ring	3	65406/001	65406/001	
16	Washer	12	MS25/11	MS25/11	
17	Bolt	12	MS19/45	MS19/45	
18	Strainer 5½”	1	52125/02	52125/02	
19	Suction cap 5½”	1	2112	2112/1	
-	Chain, suction tube cap	1	FWP1062/1	FWP1062/1	
-	Chain anchor	1	65502/001	65502/001	
20	Suction flange, 4010 only, 5” PN16		65163/000	65163/100	
21	Seal	1	UFP2303/5	UFP2303/5	

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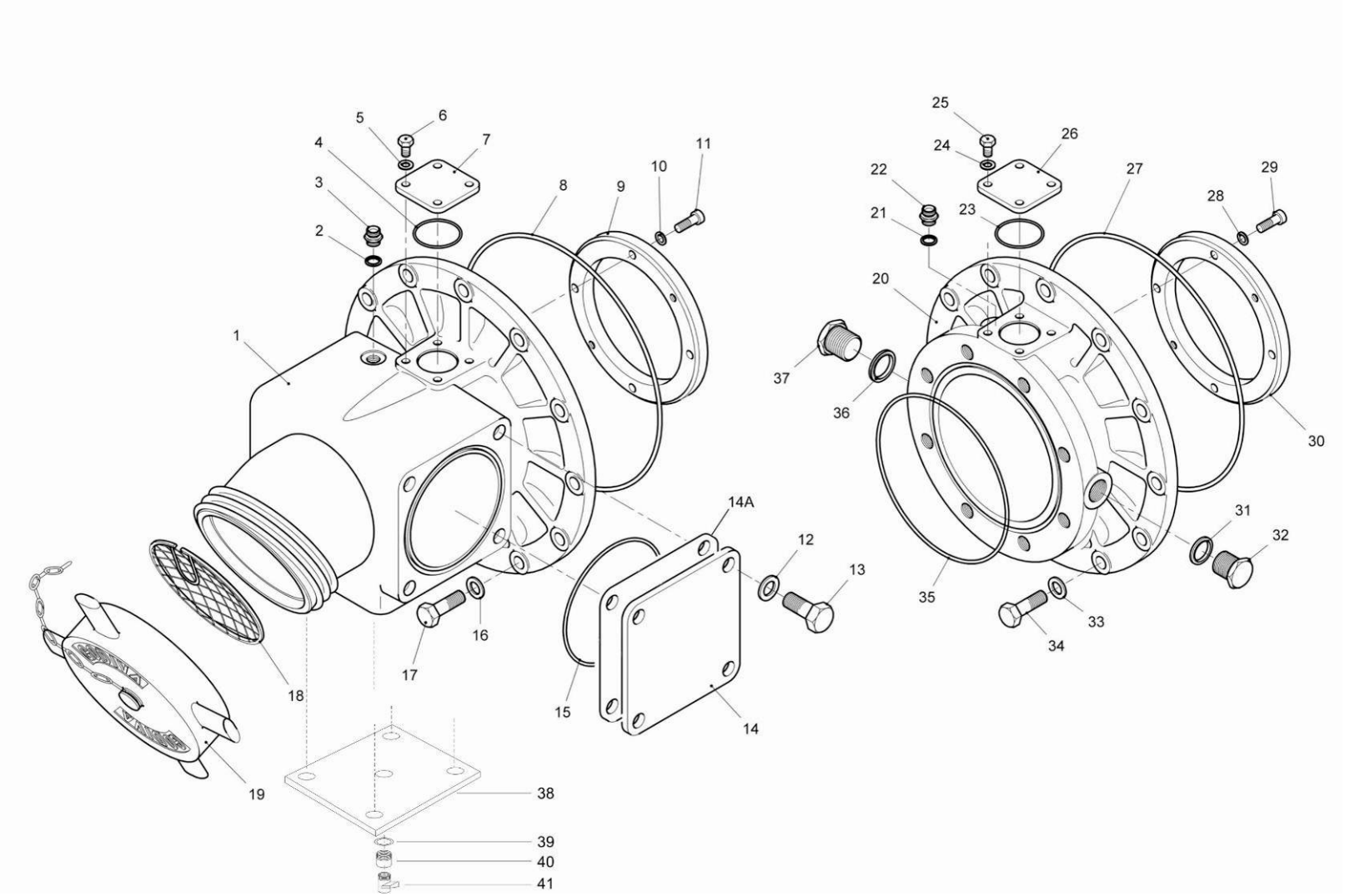
Suction Tube Group – illustration – 3010 / 4010 Model



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Suction Tube Group – List – 3010 / 4010 Model

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
22	Union, ¼" BSP	1	56403	56403	
23	O ring	1	51355	51355	
24	Washer	4	MS25/9	MS25/9	
25	Screw	4	MS05/20	MS05/20	
26	Plate, RTP blanking	1	60168	60168	
27	O ring, suction tube to volute	1	65097	65097	
28	Washer	4	MS125/9	MS125/9	
29	Screw, socket head	4	MS164/25	MS164/25	
30	Wear ring, front, 4010 only	1	65078/001	65078/001	
31	Seal	1	UFP2303/10	UFP2303/10	
32	Plug	1	S64/6	S64/6	
33	Washer	12	MS25/11	MS25/11	
34	Bolt	12	MS19/45	MS19/45	
35	O ring	1	51177	51177	
36	Seal	1	UFP2303/8	UFP2303/8	
37	Plug	1	S64/4	S64/4	
38	Blanking plate, bottom, with drain	1	65189/0032	65189/003	
39	Seal	1	UFP2303/8	UFP2303/8	
40	Adaptor	1	65503/001	65503/001	
41	Drain valve	1	65214/001	65214/001	
42	O ring	1	65406/001	65406/001	

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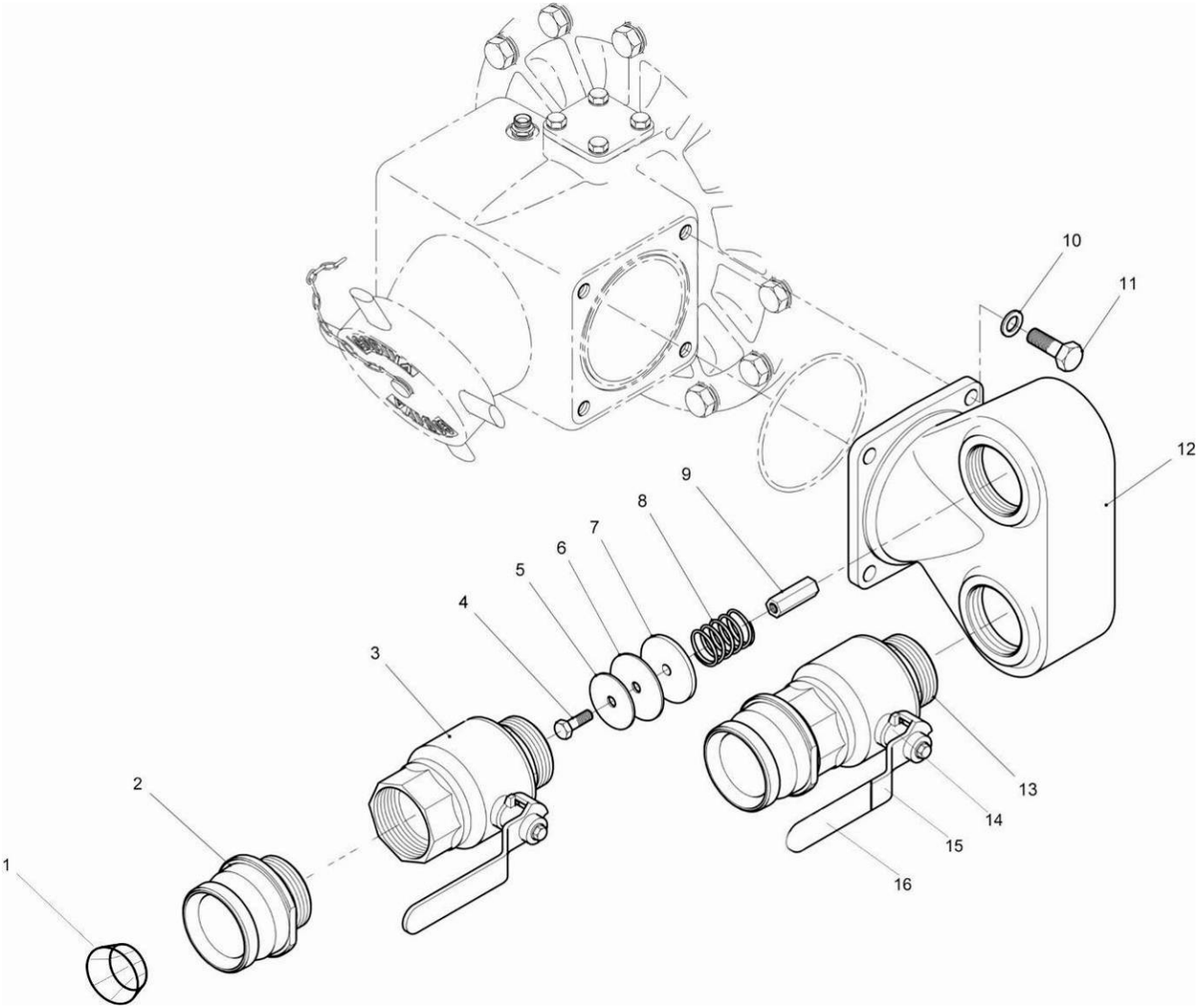
Collecting Head Group – illustration



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Collecting Head Group – List

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
1	Strainer	2	65408	65408	
2	Adaptor, 2” BSP to 2½” I/C	2	65156	65156/100	
3	Ball valve	1	65155	65155	
4	Screw	2	MS105/25	MS105/25	
5	Washer	2	65154	65154	
6	Seal face	2	65153	65153	
7	Washer, spring locating	2	65152	65152	
8	Spring	2	65256	65256	
9	Shaft	2	65151	65151	
10	Washer	4	MS25/11	MS25/11	
11	Screw	4	MS07/35	MS07/35	
12	Body, collecting head – 2010 pump	1	65148/000	65148/100	
-	Body, collecting head – 3010/4010 pump	1	65148/001	65148/001	
13	Ball valve	1	65155	65155	
14	Spacer	1	65485	65485	
15	Handle – Left Hand, Underside assembly	1	65411	65411	
-	Handle – Right Hand assembly	1	65411/001	65411/001	
16	Sleeve – Left Hand assembly	1	65550/006	65550/006	
-	Sleeve – Right hand assembly	1	65550/005	65550/005	
-	Sleeve – Underside assembly	1	65550/002	65550/002	

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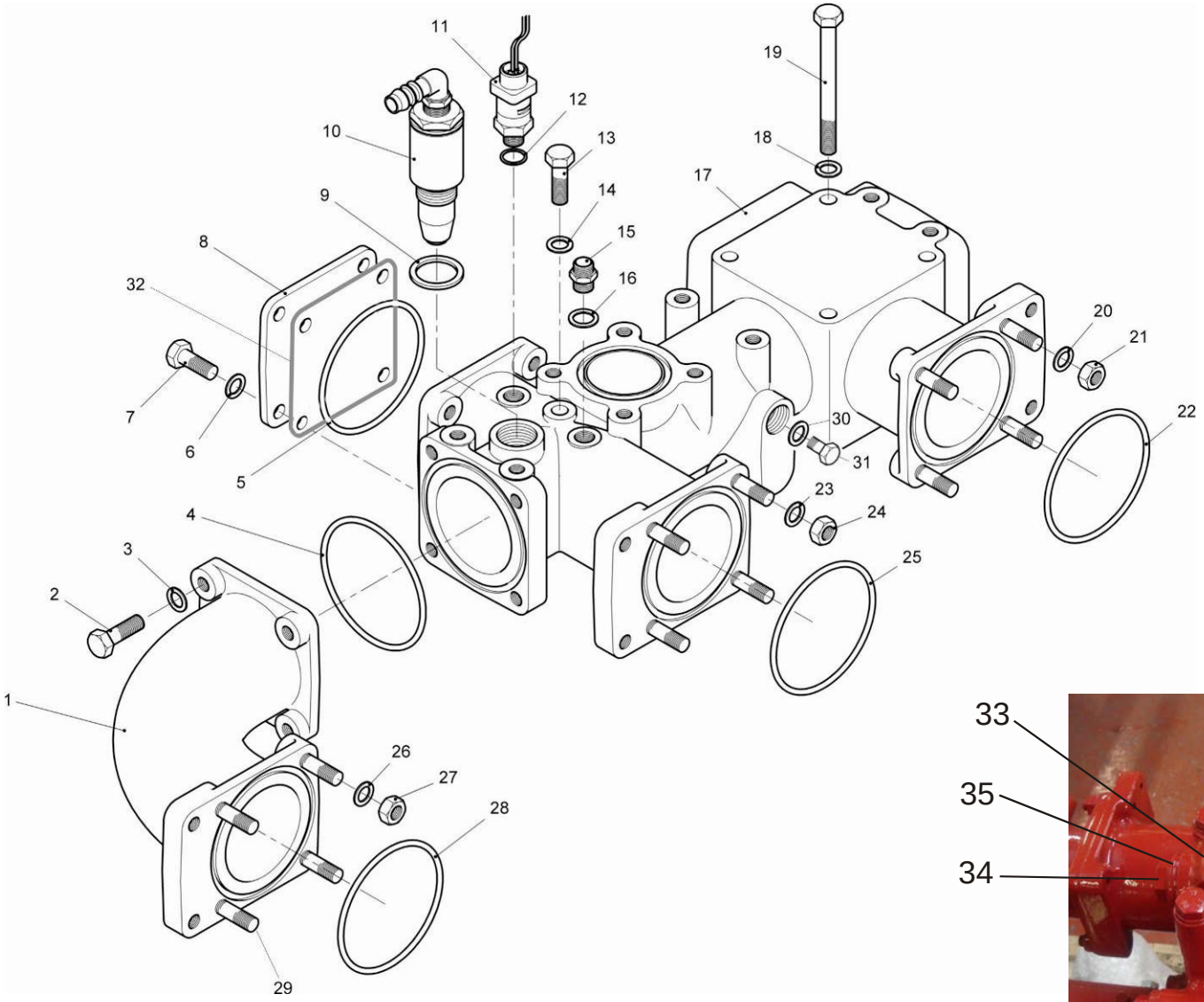
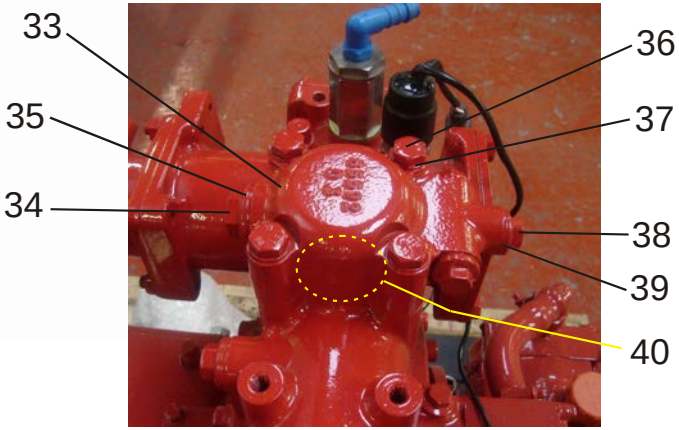
Manifold Group – illustration





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Manifold Group – List

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
1	Manifold outrigger	1	65039/000	65039/100	
2	Screw	4	MS06/30	MS06/30	
3	Washer	4	MS25/10	MS25/10	
4	O ring	1	50092	50092	
5	O ring	1	50092	50092	
6	Washer	4	MS25/10	MS25/10	
7	Screw	4	MS06/25	MS06/25	
8	Blanking plate	1	51281/09	51281/09	
9	Washer – supplied with item 10	1	-	-	
10	Thermal relief valve - 42° - Optional	1	60809	60809	
-	Thermal relief valve - 74° - Optional	1	60809/01	60809/01	
11	Pressure switch	1	65141	65141	
12	Washer – supplied with item11	1	-	-	
13	Bolt	1	MS18/130	MS18/130	
14	Washer	1	MS25/10	MS25/10	
15	Union, gauge connection, low pressure	1	56403	56403	
16	Seal	1	UFP2303/5	UFP2303/5	
17	Manifold	1	65036/000	65036/100	
18	Washer	4	MS25/10	MS25/10	
19	Bolt	4	MS18/130	MS18/130	
20	Washer	4	MS25/10	MS25/10	
21	Nut	4	MS35/9	MS35/9	
22	O ring	1	50092	50092	
23	Washer	4	MS25/10	MS25/10	
24	Nut	4	MS35/9	MS35/9	
25	O ring	1	50092	50092	
26	Washer	4	MS25/10	MS25/10	
27	Nut	4	MS35/9	MS35/9	
28	O ring	1	50092	50092	
29	Stud, delivery valves to manifold	4	MS49/25	MS49/25	

IDEX FIRE SUPPRESSION GROUP

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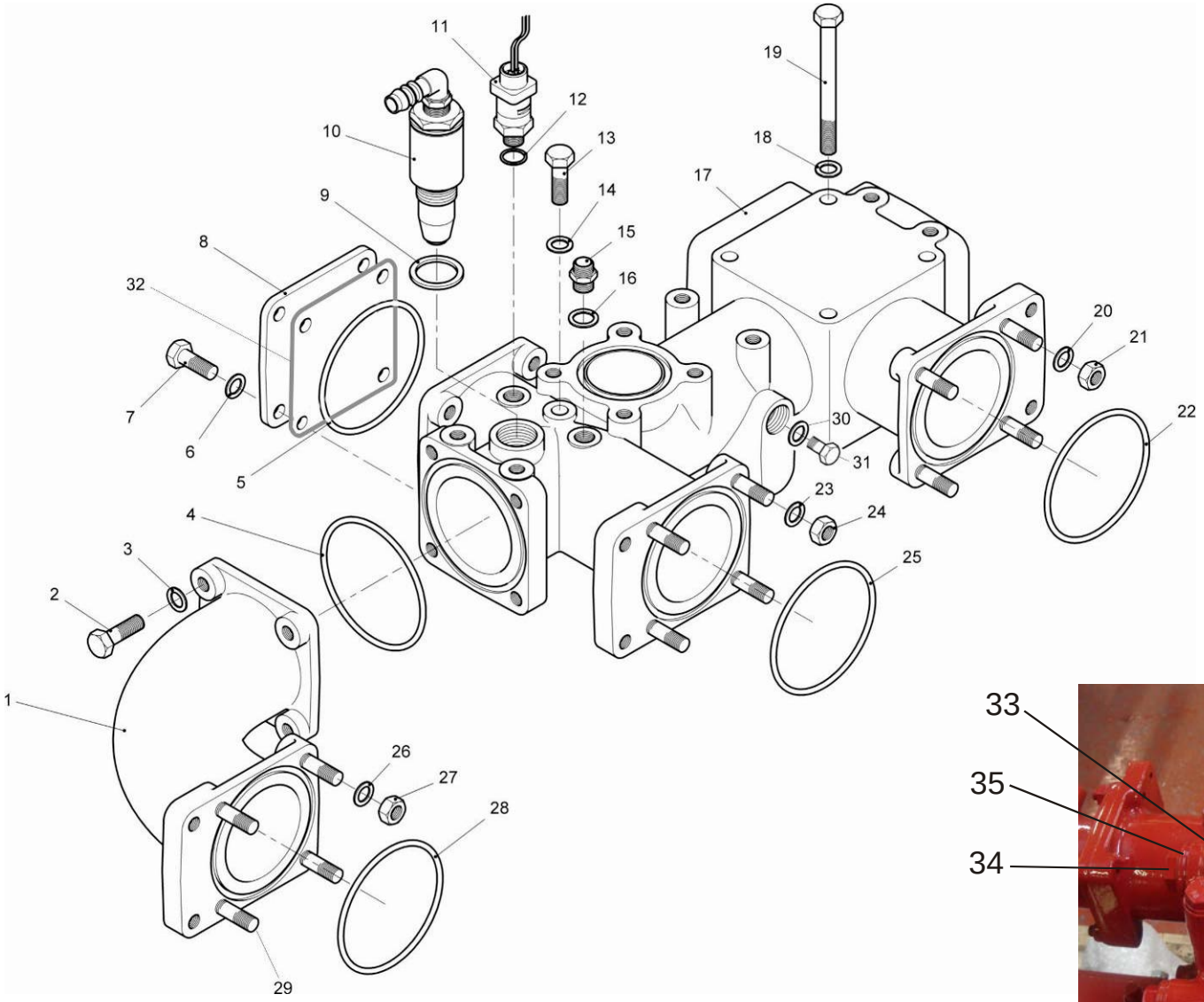
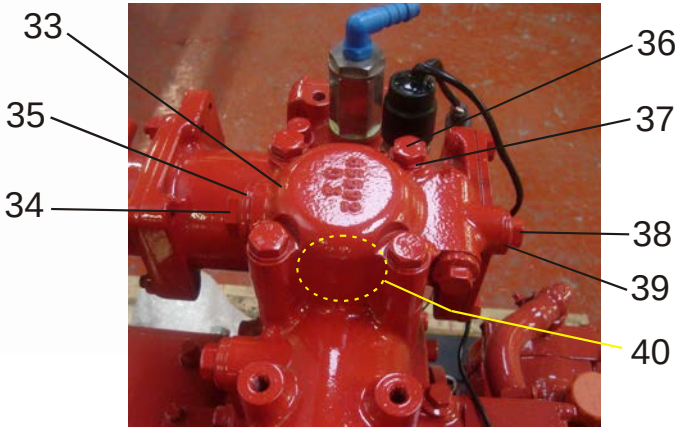
Manifold Group – illustration





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Manifold Group – List

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
30	Seal	1	UFP2303/8	UFP2303/8	
31	Plug	1	65600	65600	
32	Shim plate	1	60300	60300	
	Items in photograph				
33	Filter housing – for ancillary water supply	1	65592/000	65592/100	
34	Strainer	1	57456	57456	
35	Seal	1	UFP2303/10	UFP2303/10	
36	Bolts	4	MS18/60	MS18/60	
37	Washers	4	MS25/10	MS25/10	
38	Plug	3	S64/3	S64/3	
39	Seal	3	UFP2303/7	UFP2303/7	
40	O ring	1	65137/001	65137/001	

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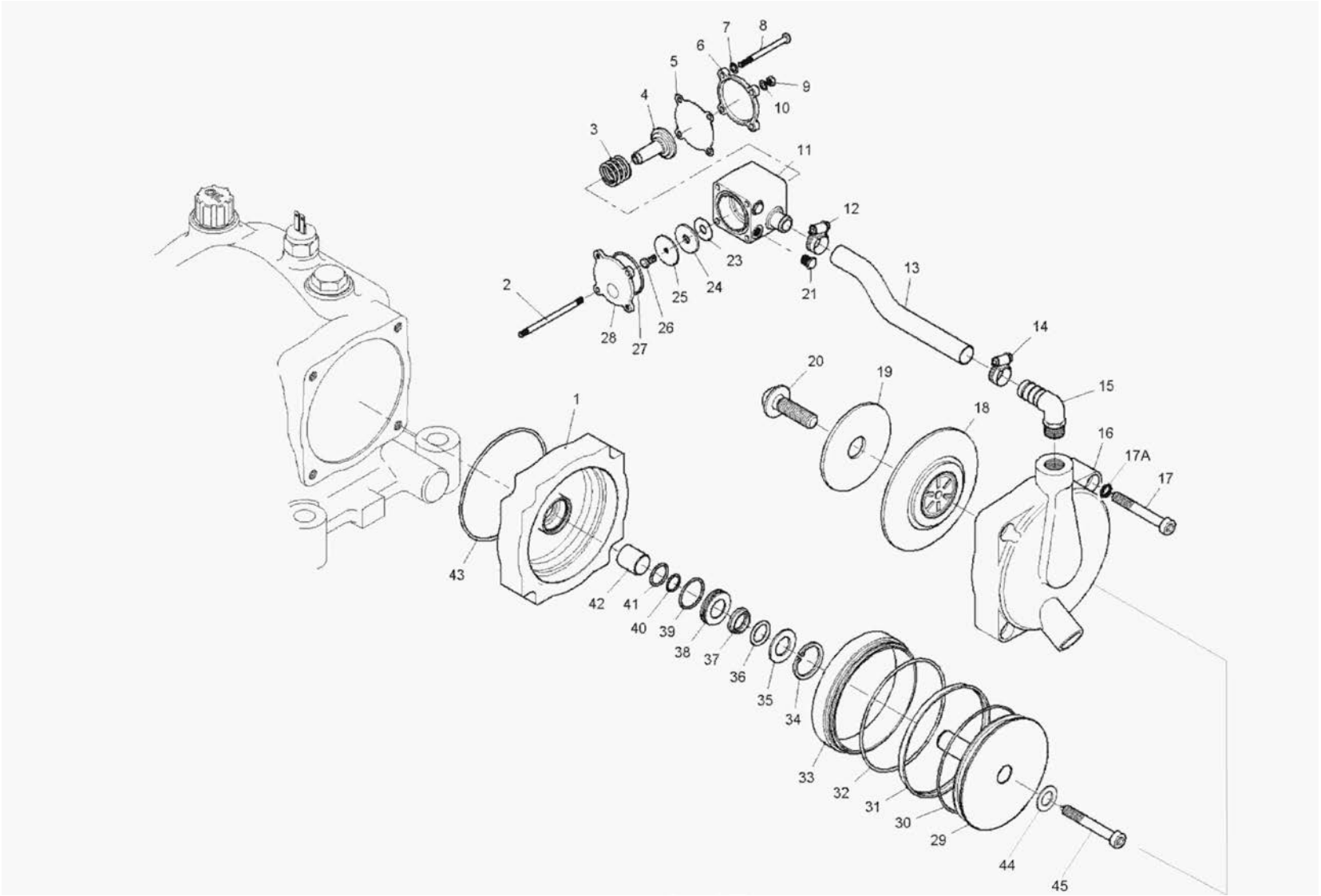
Piston Primer Group – illustration



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Piston Primer Group – List

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
1	Cylinder	1	65139/102	65139/102	
2	Stud	2	MS47/85	MS47/85	
3	Spring	1	57555	57555	
4	Piston, priming valve	1	65431/200	65431/200	
5	Diaphragm	1	56123	56123	
6	Cover, priming valve	1	56120	56120	
7	Washer	2	MS25/7	MS25/7	
8	Bolt	2	MS16/80	MS16/80	
9	Nut	2	MS41/4	MS41/4	
10	Washer	2	MS25/7	MS25/7	
11	Body, priming valve	1	65010/100	65010/100	
12	Hose clip	2	MS82/3	MS82/3	
13	Suction hose	2	65091MA	65091MA	.2 m length required
14	Hose clip	2	MS82/3	MS82/3	
15	Elbow	2	59392/002	59392/002	
16	Cover	2	65011/100	65011/100	
17	Bolt, cover to bearing housing	8	MS17/70	MS17/70	
17A	Washer	8	MS27/4	MS27/4	
18	Valve outlet	2	65008/002	65008/002	
19	Valve inlet	2	65009	65009	
20	Screw	2	65474	65474	
21	Plug	3	60098/01	60098/01	
22	Not used				
23	Retaining washer, seal	1	55668	55668	
24	Seal, priming valve	1	55669	55669	

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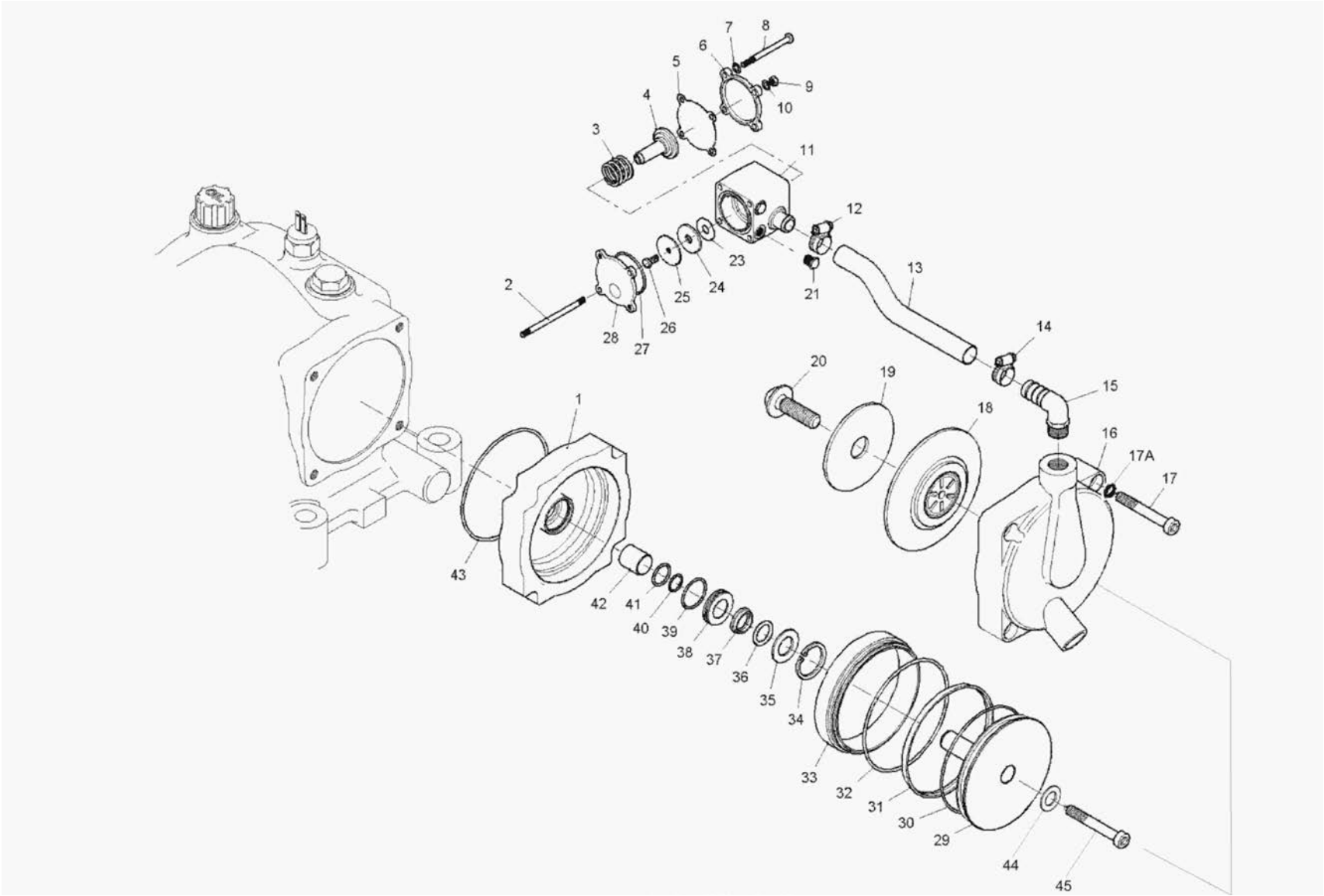
Piston Primer Group – illustration



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Piston Primer Group – List

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
25	Seal Support, priming valve	1	55670	55670	
26	Screw	1	MS104/8	MS104/8	
27	O ring	1	53750	53750	
28	Plate, priming valve	1	65014	65014	
29	Piston	2	65006/004	65006/004	
30	O ring	2	65134	65134	
31	Water seal, piston	2	65119	65119	
32	O ring	2	61097	61097	
33	Cylinder liner	2	65005/002	65005/002	
34	Circlip	2	60914	60914	
35	Retaining disc	2	65167	65167	
36	O ring	2	65162	65162	
37	Shaft seal	2	65161	65161	
38	Wiper carrier	2	65158/001	65158/001	
39	O ring	2	52816	52816	
40	Shaft seal	2	65159	65159	
41	O ring	2	65160	65160	Supplied with item 40
42	DU Bearing	2	56949/007	56949/007	
43	O ring	2	61097	61097	
44	Bonded seal	2	MS133/8	MS133/8	
45	Screw	2	65169	65169	

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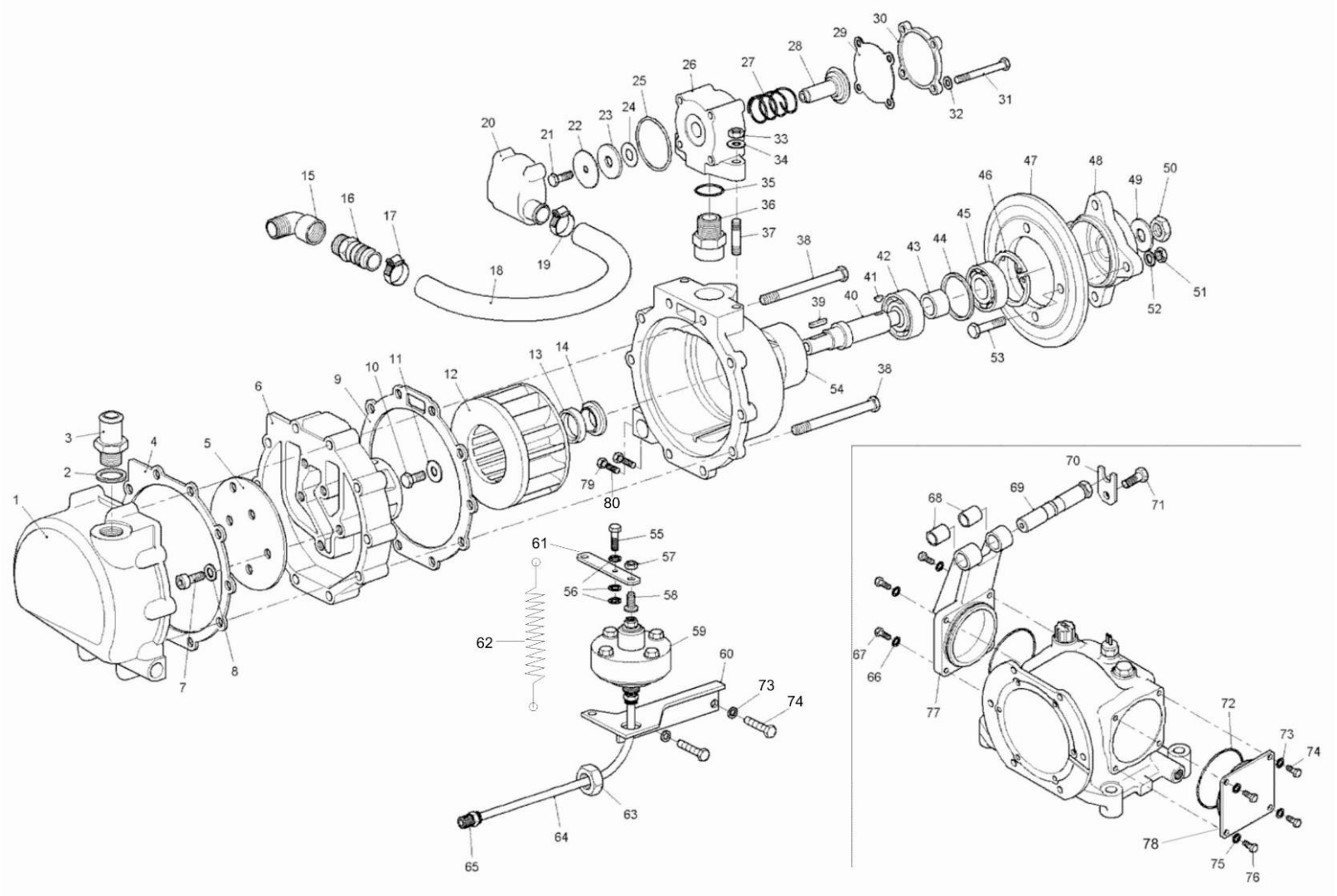
Water Ring Primer Group – illustration



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GODIVA Prima

Water Ring Primer Group – List

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
	Complete Primer Assembly	1	65143/000	65143/100	
1	Water trap housing	1	WRP7934/10	WRP7934/11	
2	Sealing washer, 5/8”	1	UFP2303/9	UFP2303/9	
3	Water hose connection 1”	1	WRP7977/3	WRP7977/2	
4	Gasket	1	WRP7953	WRP7953	
5	Cover plate	1	WRP7936	WRP7936	
6	Suction and delivery cover	1	WRP7952/2	WRP7952/3	
7	Screw, socket head	5	MS163/16	MS163/16	
8	Washer	5	MS125/7	MS125/7	
9	Gasket	1	WRP7954	WRP7954	
10	Self-locking bolt	1	10021	10021	
11	Washer	1	WRP7971	WRP7971	
12	Impeller	1	WRP7931/2	WRP7931/3	
13	Seal	1	WRP7985	WRP7985	
14	Sealing backing washer	1	WRP7982	WRP7982	
15	Elbow	1	59185	59185	
16	Hose tail	1	61247	61247	
17	Hose clip	1	MS82/1	MS82/1	
18	Hose	.50m	69051MA	69051MA	
19	Hose clip	1	MS82/1	MS82/1	
20	Inlet, priming valve	1	57229/01	57229/101	
21	Screw	1	MS104/8	MS104/8	
22	Washer, seal support	1	55670	55670	
23	Seal	1	55669	55669	
24	Washer, seal retaining	1	55668	55668	
25	O ring	1	60406	60406	

IDEX FIRE SUPPRESSION GROUP

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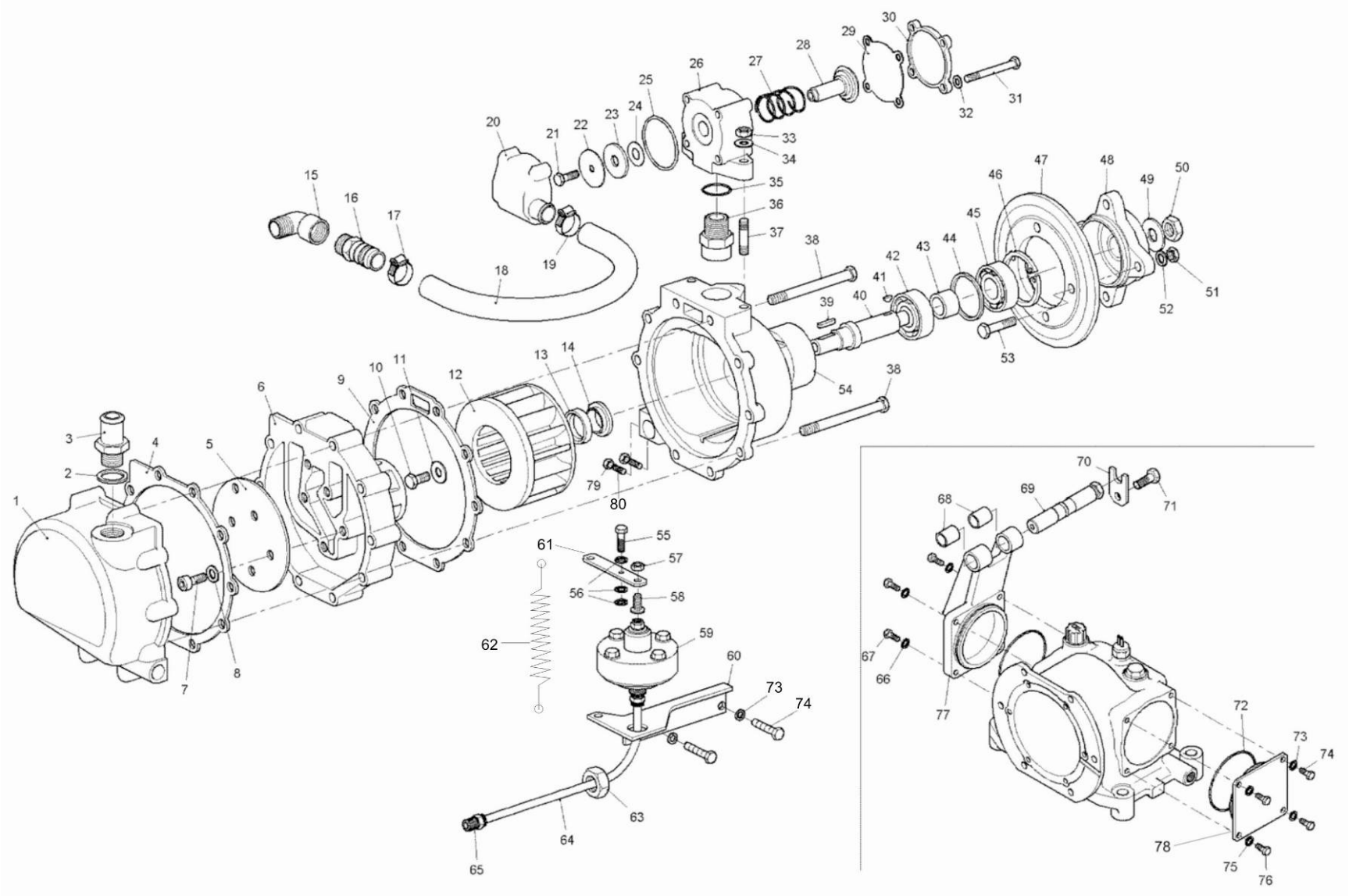
Water Ring Primer Group – illustration



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Water Ring Primer Group – List

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
26	Priming valve body	1	60097/01	60097/101	
27	Spring, priming valve	1	57555	57555	
28	Piston, priming valve	1	65431/200	65431/200	
29	Diaphragm	1	56123	56123	
30	Cover, priming valve	1	56120	56120	
31	Bolt	4	MS16/60	MS16/60	
32	Washer	4	MS25/7	MS25/7	
33	Nut, priming valve to primer	2	MS35/8	MS35/8	
34	Washer, priming valve to primer	2	MS25/9	MS25/9	
35	O ring	1	50887	50887	
36	Non-return valve	1	65494	65494	
37	Stud	2	MS48/30	MS48/30	
38	Bolt, securing water trap housing to primer bearing housing	2 1 6 1	MS17/85 MS17/80 MS17/60 MS17/90	MS17/85 MS17/80 MS17/60 MS17/90	
39	Key	1	MS179/35	MS179/35	
40	Primer shaft	1	WRP7940/1	WRP7940/1	
41	Woodruff key	1	WRP9707	WRP9707	
42	Ball bearing, small	1	WRP7986	WRP7986	
43	Bearing spacer	1	WRP7943	WRP7943	
44	Bearing locating ring	1	WRP7944	WRP7944	
45	Ball bearing, large	1	WRP7987	WRP7987	
46	Circlip	1	MS79/28	MS79/28	
47	Pulley (fibre wheel)	1	UMP7915	UMP7915	
48	Pulley centre piece	1	WRP7937/1	WRP7937/1	
49	Tab washer	1	WRP7938/1	WRP7938/1	

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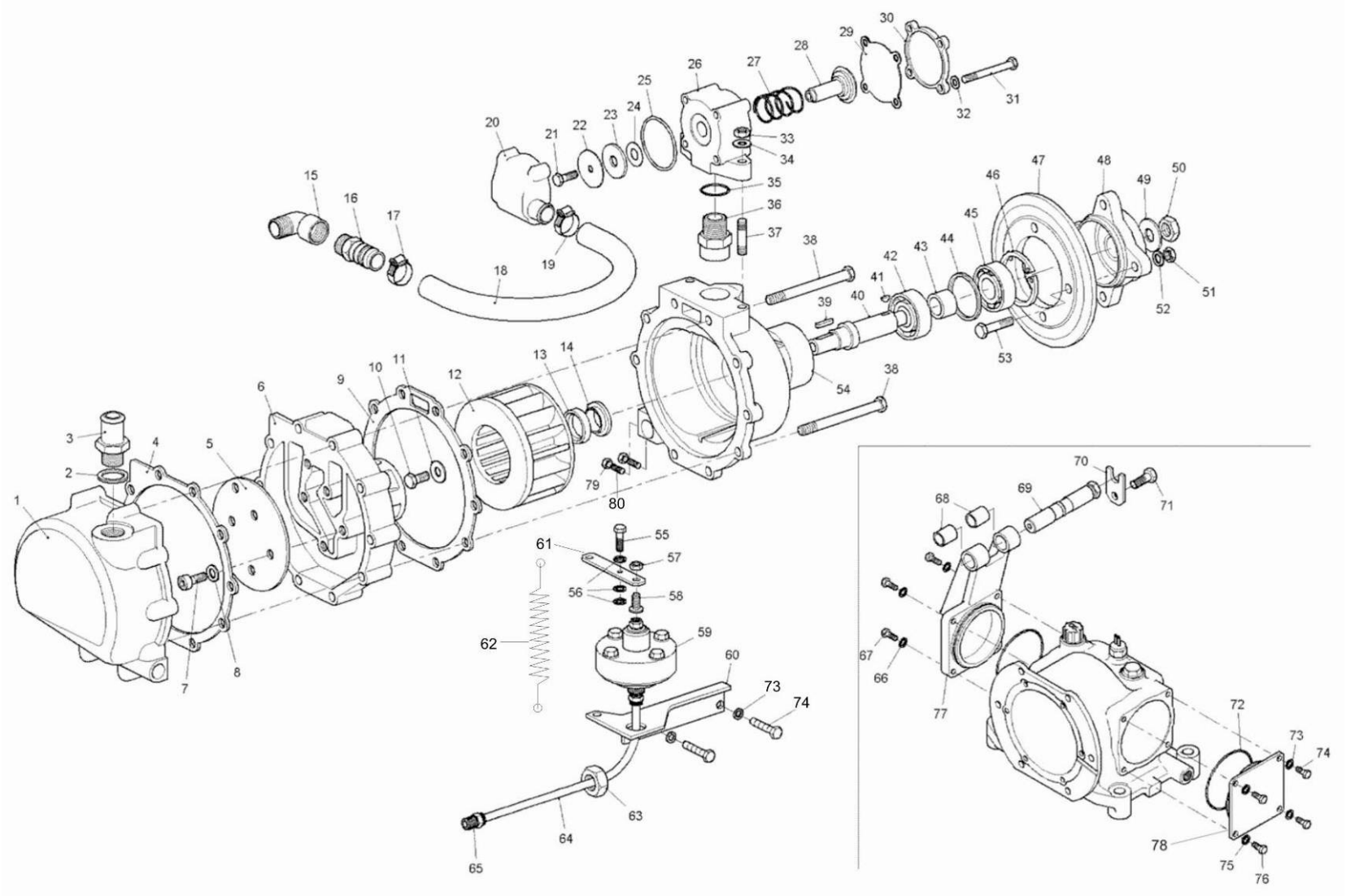
Water Ring Primer Group – illustration



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Water Ring Primer Group – List

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
50	Nut, special	1	WRP7939/1	WRP7939/1	
51	Nut	4	MS35/7	MS35/7	
52	Spring washer	4	MS29/5	MS29/5	
53	Bolt, pulley to centre piece	4	MS16/30	MS16/30	
54	Primer bearing housing	1	WRP7941/8	WRP7941/9	
55	Screw	1	MS05/25	MS05/25	
56	Washer	3	MS25/9	MS25/9	
57	Nut	1	MS35/8	MS35/8	
58	Lift-off pad	1	WRP7978/1	WRP7978/1	
59	Primer disengaging unit	1	65178/100	65178/100	
60	Mounting bracket, disengaging unit	1	65174	65174	
61	Lift-off plate	1	65180	65180	
62	Spring	1	UFP5962/1	UFP5962/1	
63	Locknut	1	65179	65179	
64	Tubing	.3m	7763/01MA	7763/01MA	
65	Adaptor, straight	1	59082/04	59082/04	
66	Washer	4	MS25/9	MS25/9	
67	Screw	4	MS17/35	MS17/35	
68	Bush	2	UFP2277	UFP2277	
69	Pivot pin	1	65089	65089	
70	Locating plate	1	UFP2274	UFP2274	
71	Bolt	1	MS105/16	MS105/16	
72	O ring	2	61097	61097	
73	Washer	2	MS25/9	MS25/9	
74	Screw, upper	2	MS05/25	MS05/20	
75	Washer	2	MS25/9	MS25/9	

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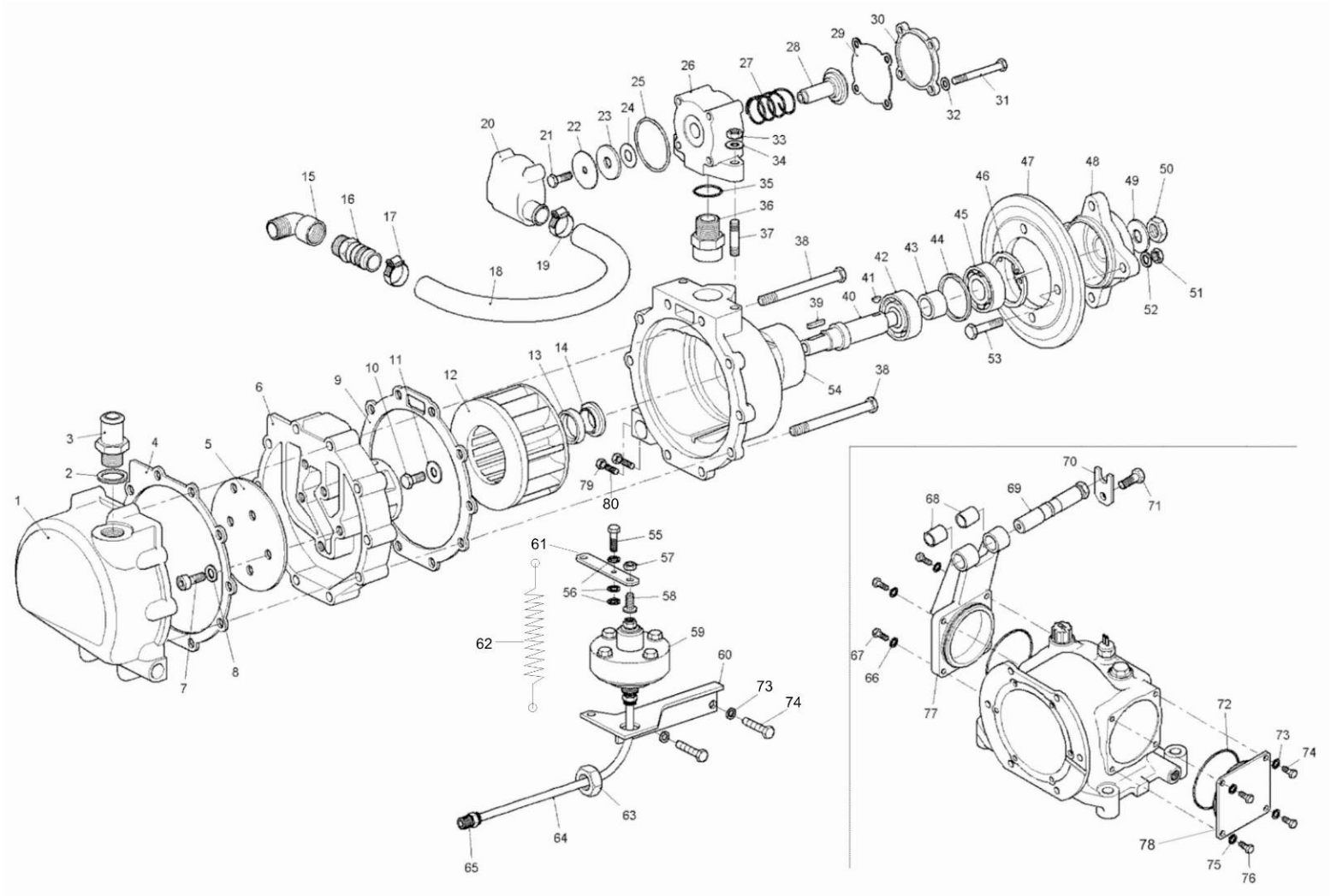
Water Ring Primer Group – illustration



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Water Ring Primer Group – List

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
76	Screw, lower	2	MS05/20	MS05/20	
77	Primer support	1	65173/300	65173/300	
78	Adaptor plate	1	65084/001	65084/001	
79	Nut	2	MS35/8	MS35/8	
80	Set screw	2	MS57/8/25	MS57/8/25	

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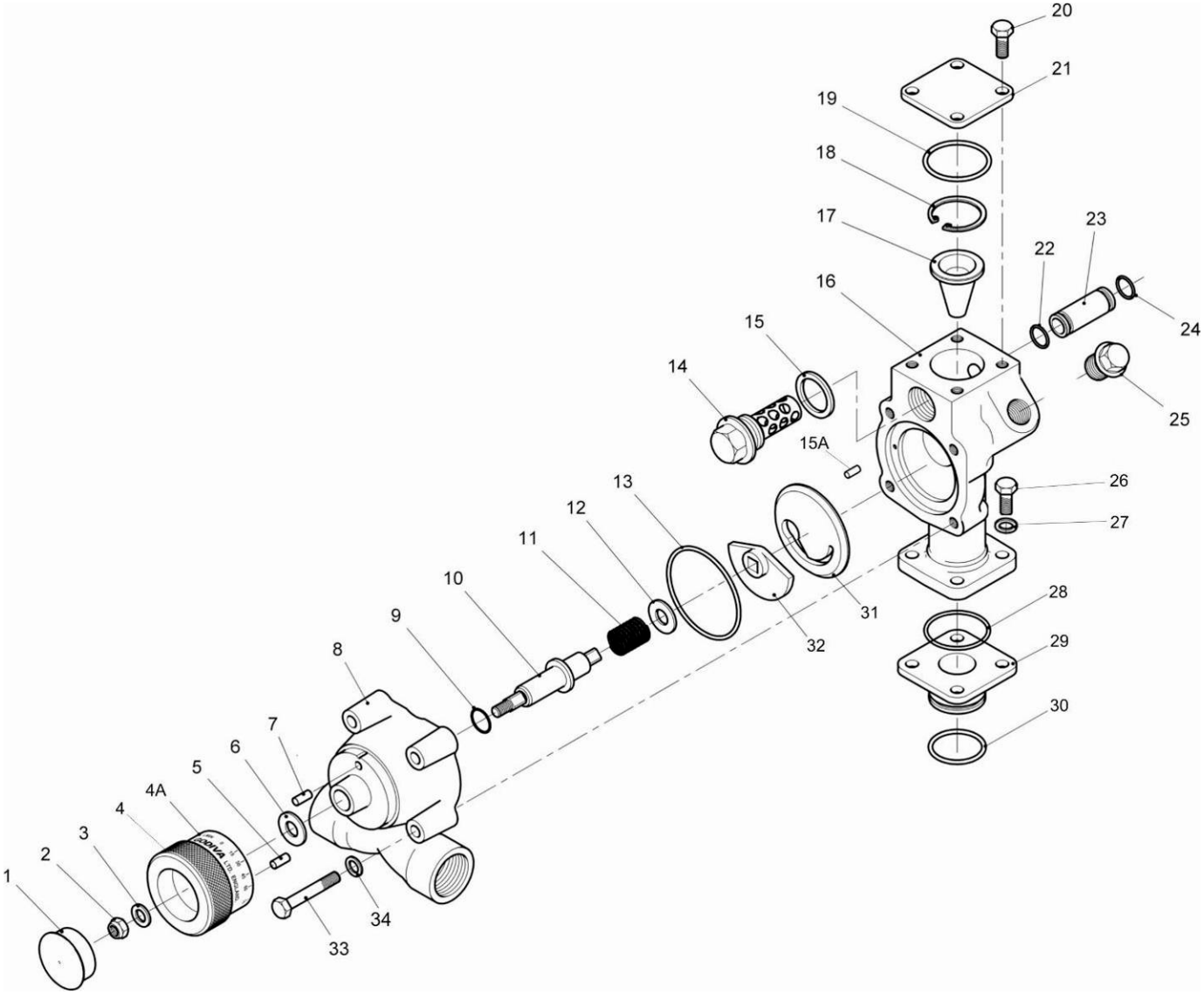
Round the pump (RTP) foam Group – illustration



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Round the pump (RTP) foam Group – List

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
1	Insert	1	50747/01	50747/01	
2	Nut	1	MS41/5	MS41/5	
3	Washer	1	MS25/9	MS25/9	
4	Control Knob	1	65106	65106	
4A	Calibration label	1	52324/01	52324/01	
5	Spirol pin	2	MS177/136	MS177/136	
6	Washer, special	1	60274	60274	
7	Spirol pin	1	MS177/136	MS177/136	
8	Valve housing	1	65101/000	65101/100	
9	O ring	1	51894	51894	
10	Spindle	1	51893	51893	
11	Spring	1	51900	51900	
12	Washer, special	1	60274	60274	
13	O ring	1	GPL10556	GPL10556	
14	Strainer	1	65109	65109	
15	Seal	1	UFP2303/10	UFP2303/10	
15A	Spirol pin	1	MS177/53	MS177/53	
16	RTP body	1	65102/000	65102/100	
17	Nozzle	1	65108	65108	
18	Circlip	1	65105	65105	
19	O ring	1	60166	60166	
20	Screw	4	MS05/20	MS05/20	
21	Plate	1	60168	60168	
22	O ring	1	GPF8526/1	GPF8526/1	
23	Pipe, connecting	1	65103	65103	
24	O ring	1	GPF8526/1	GPF8526/1	
25	Blanking plug	2	65259	65259	
26	Bolt	4	MS17/30	MS17/30	
27	Washer	4	MS25/9	MS25/9	

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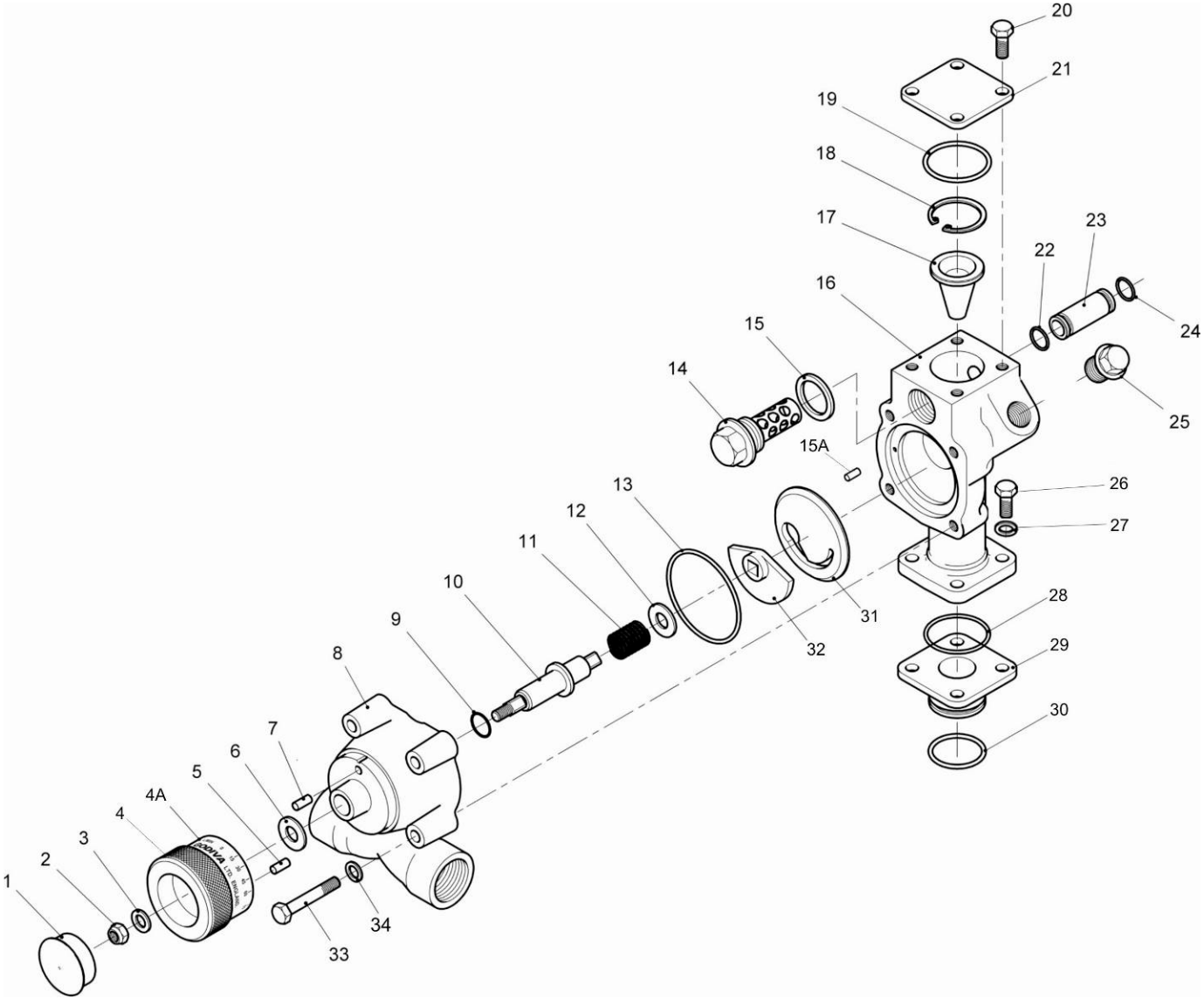
Round the pump (RTP) foam Group – illustration



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Round the pump (RTP) foam Group – List

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
28	O ring	1	60166	60166	
29	Spacer	1	65146/000	65146/100	
30	O ring	1	PDP12416	PDP12416	
31	Orifice plate	1	51902/03	51902/03	
32	Control plate	1	51901	51901	
33	Screws	4	MS17/50	MS17/50	
34	Washer	4	MS25/9	MS25/9	

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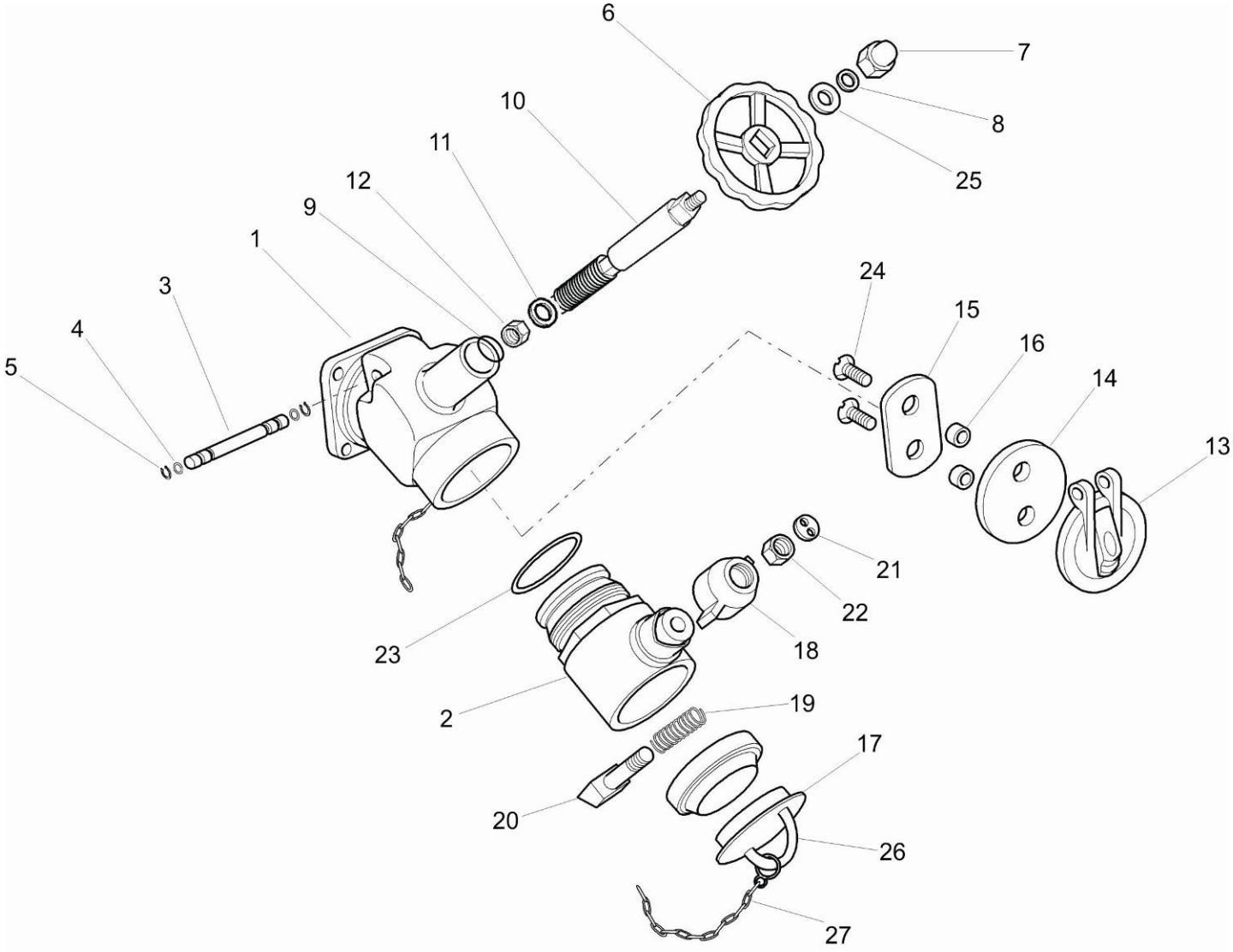
Delivery Valve – Standard UK type - illustration



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Delivery Valve – Standard UK Type – List

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
	Complete assembly	-	56544/01	56545/01	
1	Main Body	N/A	N/A	N/A	
2	2.5” I/C Body	1	56979/28	56979/23	
3	Pivot Pin	1	56979/03	56979/03	
4	‘O’ Ring	2	56979/02	56979/02	
5	Circlip	2	56979/01	56979/01	
6	Screw Down Handle	1	56979/22	56979/22	
7	Domed Nut	1	56979/09	56979/09	
8	Spring Washer	1	56979/08	56979/08	
9	‘O’ Ring	1	56979/10	56979/10	
10	Screw Down Spindle	1	56979/16	56979/16	
11	Washer	1	56979/30	56979/30	
12	Nyloc nut	1	56979/29	56979/29	
13	Non Return Flap	1	56979/18	56979/19	
14	Non Return Flap Washer	1	56979/07	56979/07	
15	Retaining Washer	1	56979/06	56979/20	
16	Washer Insert	2	56979/05	56979/05	
17	Instantaneous Seal	1	FWP1003/A	FWP1003/A	
18	Twist Release Knob	1	56979/26	56979/27	
19	Release Spring	1	56979/14	56979/14	
20	Release Plunger	1	56979/13	56979/21	
21	Knob Closure bung	1	56979/31	56979/25	
22	Nyloc Nut	1	56979/32	MS141/5	
23	‘O’ Ring	1	56979/15	56979/15	
24	Countersunk Screw	2	56979/04	56979/04	
25	Plain Washer	1	MS125/9	MS125/9	
26	Blank cap	1	2415	2415	
27	Chain	1	TH4749	TH4749	

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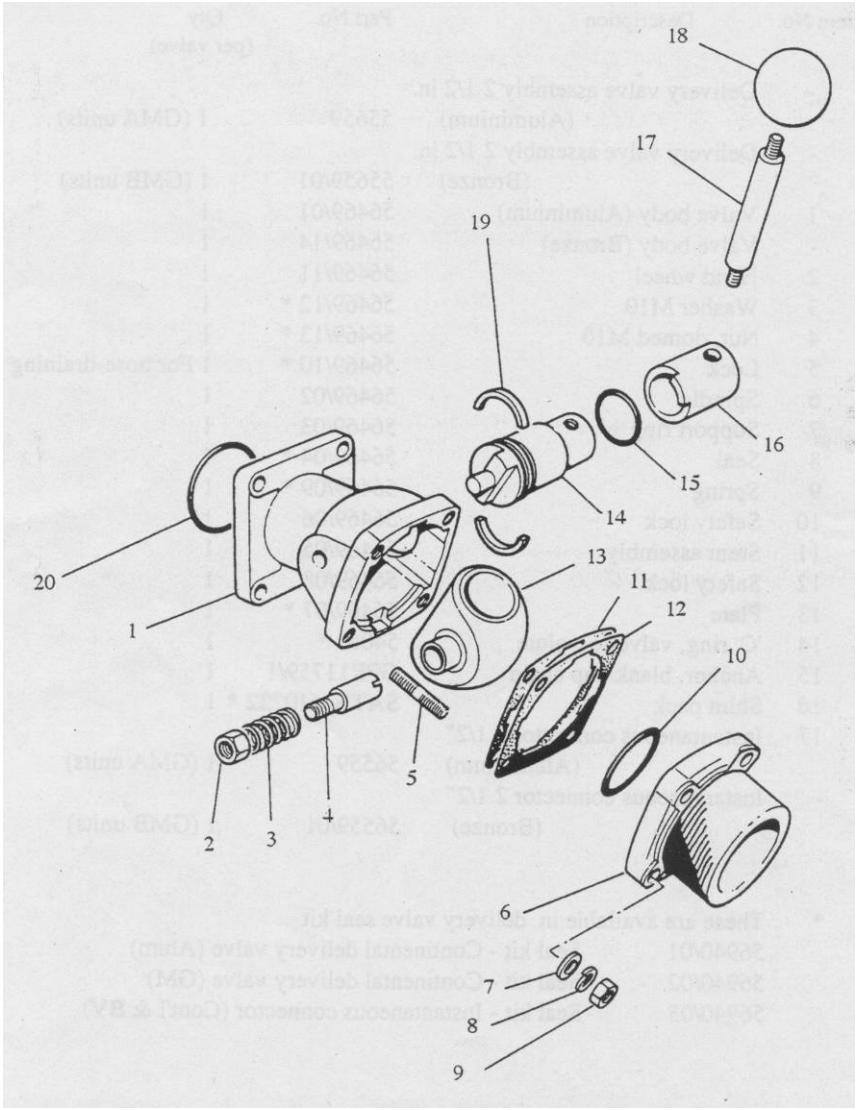
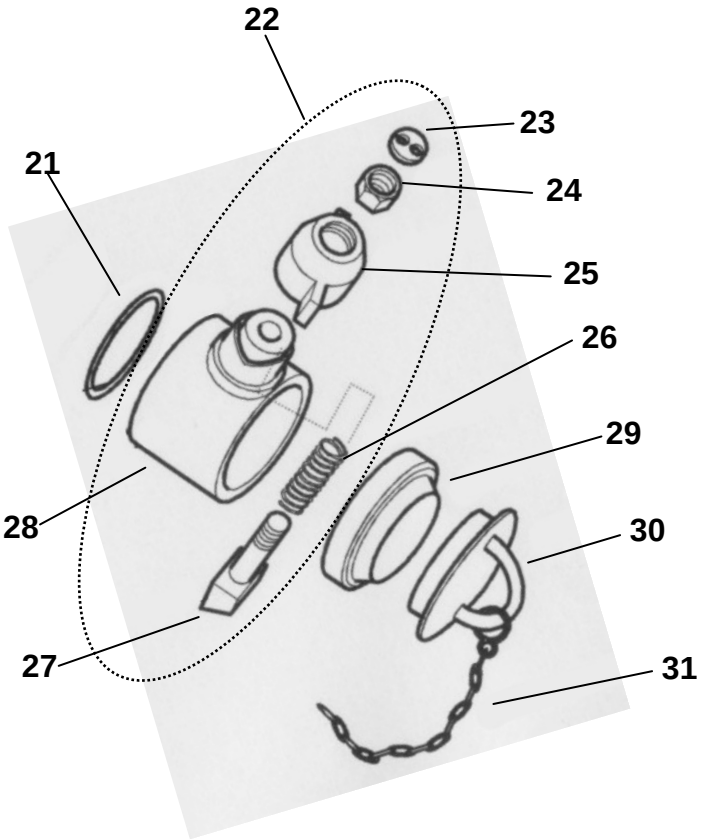
Delivery Valve – Ball Valve – illustration





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Delivery Valve – Ball Valve - List

Item Number	Description		No. per Valve	Light Alloy All models	Gunmetal All models
	Ball valve, LH, 2.5” instantaneous connector, complete valve			TH137	TH153/100
	Ball valve, RH, 2.5” instantaneous connector, complete valve			TH138	TH154/100
1	Body, delivery valve, LH		1	TH4200/A	TH4200/B
-	Body, delivery valve, RH		1	TH4201/A	TH4201/B
2	Nut, 5/16in UNF		1	S214/4	S214/4
3	Spring, ball valve	Kit part 1	1	TH11205	TH11205
4	Pivot ball		1	TH11194	TH11194
5	Stud, 3/8in., valve cap to body		4	S165/8	S165/8
6	Valve cap		1	TH3331/1A	TH3331/1B
7	Washer 3/8in.		4	S21/5	S21/5
8	Spring washer 3/8in.		4	S20/5	S20/5
9	Nut 3/8in UNF		4	S214/5	S214/5
10	O ring, valve seating	Kit part 1	1	THG3419	THG3419
11	Gasket, 0.010in. thick	Kit part 1	1	TH11197	TH11197
12	Gasket, 0.003in. thick	Kit part 1	1	TH11197/1	TH11197/1
13	Ball valve		1	TH2258	TH2255
14	Valve stem		1	THG3469/1	THG3469/1
15	O ring, valve stem	Kit part 1	1	THG4086	THG4086
16	Handle boss, LH		1	TH5372/3A	TH5372/3B
-	Handle boss, RH		1	TH5372/1A	TH5372/1B
17	Handle		1	TH5370/2	TH5370/2
18	Knob, handle		1	TH1835/1A	TH1835/1A
19	Collar, valve to stem (pair of half collars)	Kit part 1	1	TH11190	TH11190
20	O ring, body to delivery manifold	Kit part 1	1	TH1511/A	TH1511/A
21	Shim pack		1	SATHM10722	SATHM10722
22	Instantaneous connector, complete assembly, includes items 22-29		1	56559	56559/01
23	Knob closure disc		1	56979/24	56979/25
24	Nyloc nut		1	56979/11	MS141/5
25	Twist release knob	kit part 2	1	56979/26	56979/27
26	Release spring	kit part 2	1	56979/14	56979/14
27	Release plunger		1	56979/13	56979/21
28	2.5in Instantaneous connector body		1	56979/28	56979/23
29	Seal	kit part 2	1	FWP1003/A	FWP1003/A
30	Blank cap, rubber		1	2415	2415
31	Chain, 9in long		1	TH4749	TH4749
	Items 30, 31 supplied as Blank cap assembly		1	THL119/6	TH119/6
	Kit part 1 = Part also supplied in Seal kit for valve body		1	56940/05	56940/05
	Kit part 2 = Part also supplied in Seal kit for Instant. connector		1	56940/03	56940/03

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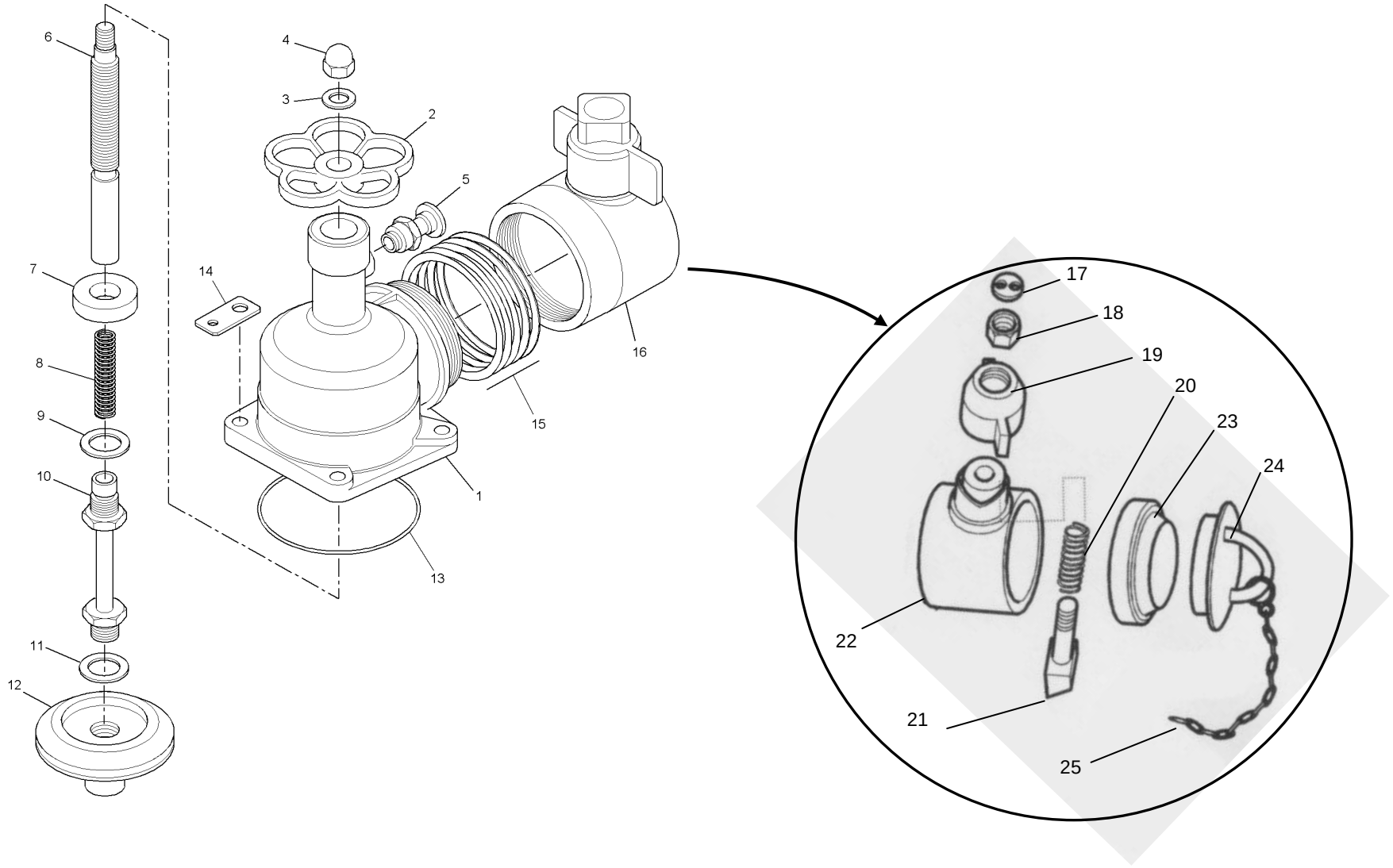
Delivery Valve – Continental Type – Instant. Connector - Illustration



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Delivery Valve – Continental Type – Instant. Connector – List

Item Number	Description	No. per Valve	Light Alloy All models	Gunmetal All models
	Continental type valve, 2.5in instantaneous connector, complete valve		55662	55920
1	Valve body	1	56469/01	56469/14
2	Hand wheel	1	56469/11	56469/11
3	Washer M10	1	56469/12	56469/12
4	Nut, domed M10	1	56469/13	56469/13
5	Lock Kit part 1	1	56469/10	56469/10
6	Spindle	1	56469/02	56469/02
7	Spindle sleeve, c/w seals Kit part 1	1	56469/03	56469/16
8	Spring Kit part 1	1	56469/09	56469/09
9	Safety lock	1	56469/06	56469/06
10	Stem assembly	1	56469/05	56469/05
11	Safety lock Kit part 1	1	56469/08	56469/08
12	Plate Kit part 1	1	56469/07	56469/15
13	O ring Kit part 1	1	61142	61142
14	Anchor, blank cap chain Only fitted for Storz type connectors	1	GPR11759	GPR11759
15	Shim pack Kit part 2	1	SATHM10722	SATHM10722
16	Instantaneous connector, complete assembly	1	56559	56559/01
17	Knob closure disc	1	56979/24	56979/25
18	Nyloc nut	1	56979/11	MS141/5
19	Twist release knob	1	56979/26	56879/27
20	Release spring Kit part 2	1	56979/14	56979/14
21	Release plunger Kit part 2	1	56979/13	56979/21
22	2.5in Instantaneous connector body	1	56979/28	56979/23
23	Seal Kit part 2	1	FWP1003/A	FWP1003/A
24	Blank cap, rubber	1	2415	2415
25	Chain, 9in long	1	TH4749	TH4749
	Items 30, 31 supplied as Blank cap assembly	1	THL119/6	TH119/6
	Kit part 1 = Part also supplied in seal kit for valve body	1	56940/01	56940/02
	Kit part 2 = Part also supplied in seal kit for instant. connector	1	56940/03	56940/03

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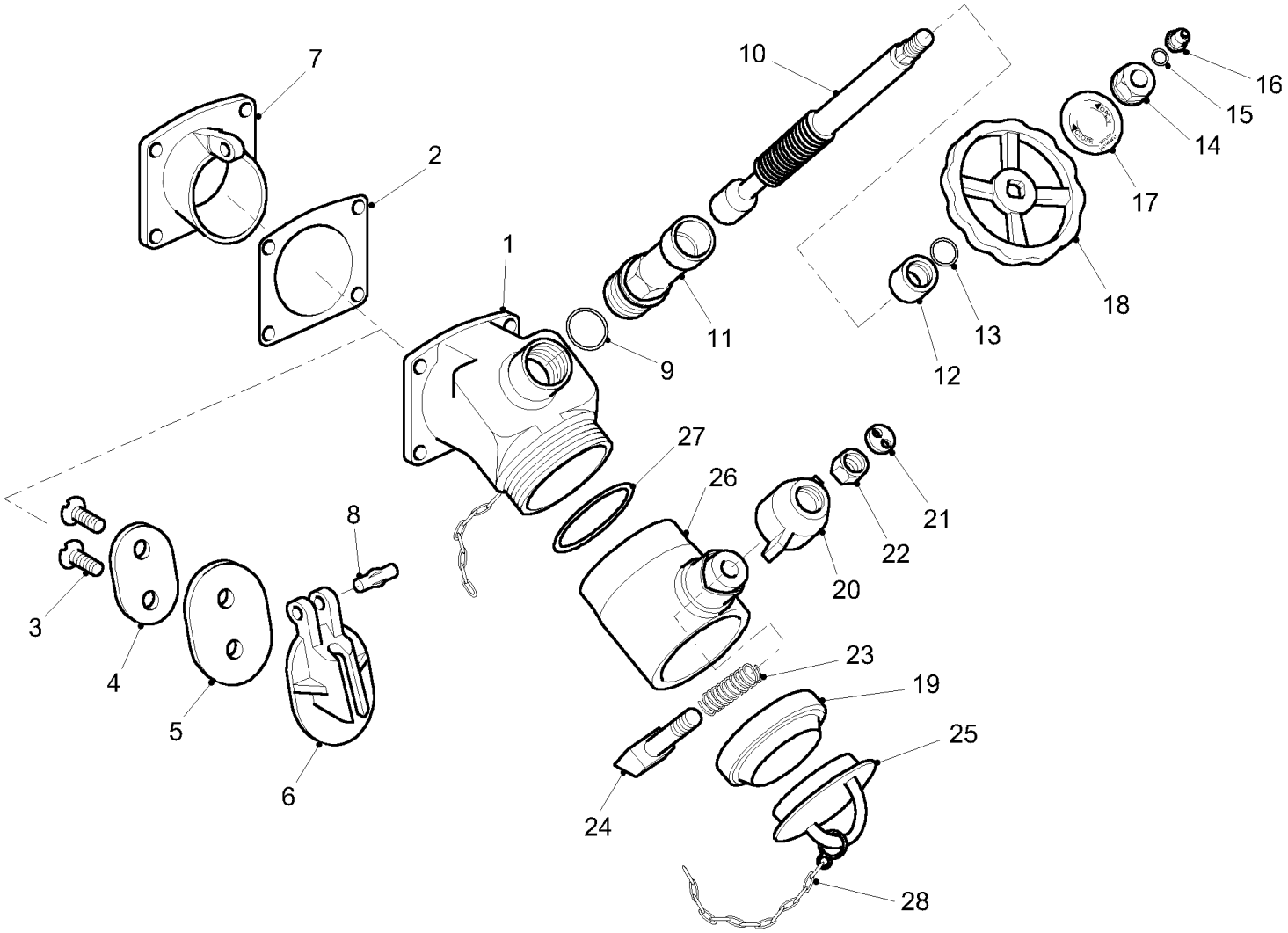
Delivery Valve – Dual Flow – Instant. Connector – Illustration



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Delivery Valve – Dual Flow – Instantaneous Connector – List

Item	Description	Part No. Allloy	Part No. Gunmetal	Qty
1	Valve body	THM10721/A	THM10721/B	1
2	Joint washer	TH2772	TH2772	1
3	Screws, countersunk	MS172/61	MS172/61	2
4	Plate	THM10580	THM10580	1
5	Sealing washer	THM10453	THM10453	1
6	Valve flap	THM10578	THM10578/B	1
7	Valve seat	THM10726/A	THM10726/B	1
8	Hinge pin	TH2748	TH2748	1
9	Dowty seal	UFP2303/11	UFP2303/11	1
10	Valve rod	THM10451/1	THM10451/1	1
11	Valve stem	FWP1000/1	THM10717/B	1
12	Bush	THM10718	THM10718	1
13	O ring	FWP8217	FWP8217	1
14	Lock nut, seal	THM10528/1	THM10528/1	1
15	Sealing washer	THM10597	THM10597	1
16	Grease nipple	THM10596	THM10596	1
17	Instruction plate	THM10600/A	THM10600/A	1
18	Handwheel	FWP2009	FWP2009	1
19	Instantaneous seal	FWP1003/A	FWP1003/A	1
20	Twist release knob	56979/26	56979/26	1
21	Closure disc	56979/24	56979/24	1
22	Nyloc nut	56979/11	56979/11	1
23	Release spring	56979/14	56979/14	1
24	Release plunger	56979/13	56979/13	1
25	Blank cap	2415	2415	1
26	2.5” Instantaneous connector body	56979/28	56979/28	1
27	Shim pack, contains items listed below -	SATHM10722	SATHM10722	1
-	Shim .002” thick polyester	THM10722	THM10722	1
-	Shim .005” thick polyester	THM10722/1	THM10722/1	1
-	Shim .010” thick polyester	THM10722/2	THM10722/2	1
-	Shim .030” thick polyester	THM10722/3	THM10722/3	1
-	Shim .060” thick polyester	THM10722/4	THM10722/4	1
28	Chain, blank cap to valve	TH4749	TH4749	1

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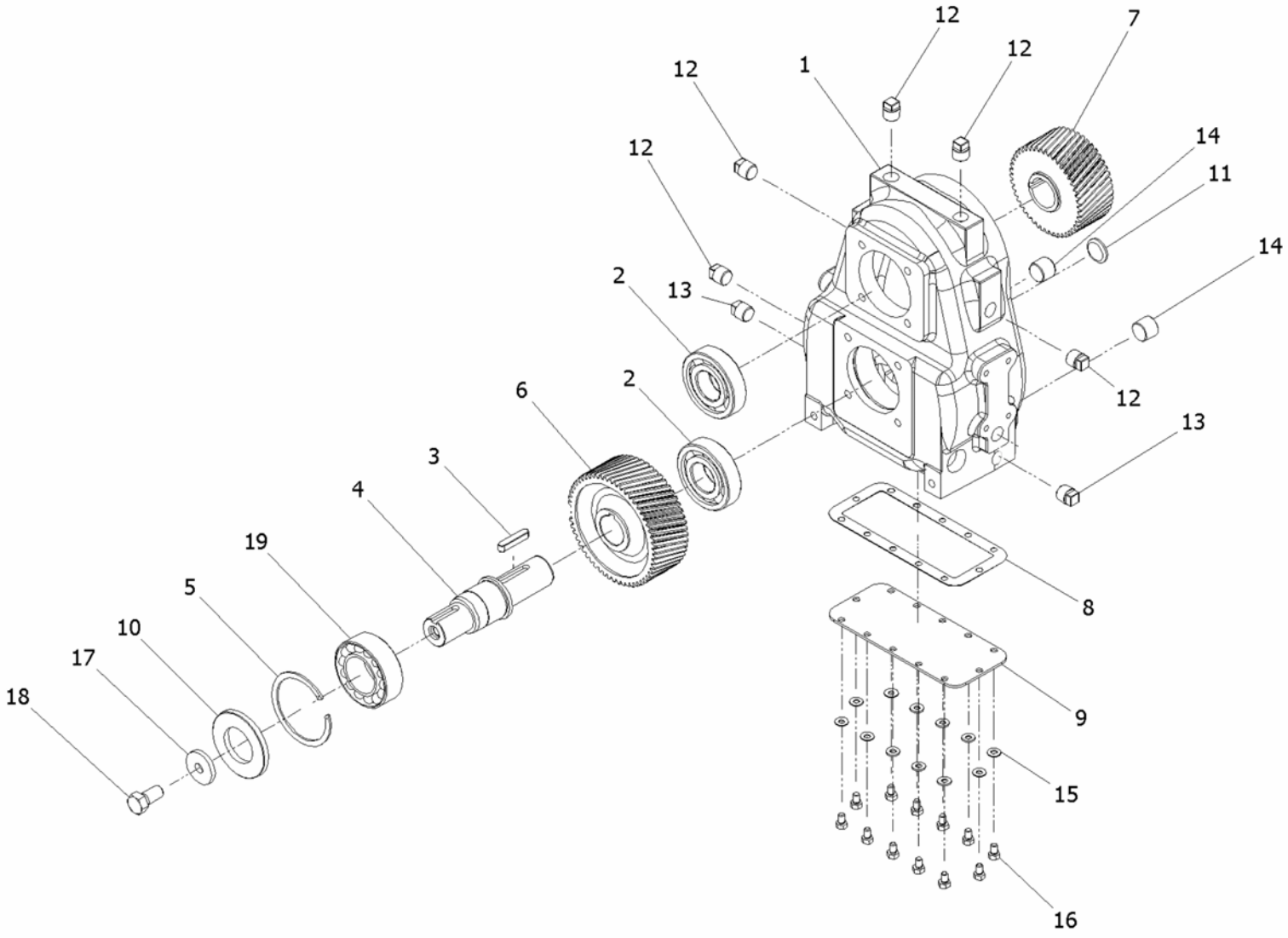
Gearbox – Illustration



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Gearbox Assembly – List

ITEM	DESCRIPTION	QTY	CAST IRON	NOTES
1	Gearbox casing	1	004-0581-00-0	All Godiva gearboxes are
2	Bearing (308J)	2	250-0308-32-0	Made of cast iron
3	Key	1	017-0300-00-0	
4	Drive shaft	1	037-2221-00-0	
5	Retaining ring	1	077-3540-00-0	
6	Drive gear	1	-	See table below for Drive
7	Pinion gear	1	-	and Pinion gear ratio options
8	Gasket	1	046-5270-01-0	
9	Cover	1	044-0840-00-0	
10	Oil seal	1	296-2810-00-0	
11	Knock out plug	1	217-3360-00-0	
12	Plug, ½ NPT	6	217-0401-00-0	
13	Plug, magnetic, ½ NPT	2	217-0401-08-0	
14	Plug, ¾ NPT	2	217-0501-03-0	
15	Washer, 5/16	12	097-0810-01-0	
16	Screw	12	018-1404-02-0	
17	Washer	1	097-0890-03-0	
18	Screw	1	018-2412-07-0	
19	Bearing	1	250-5210-20-0	

	Item 6. Drive Gear	Item 7. Pinion Gear	Ratio	Complete gearbox assembly
	031-1510-00-0 (56T)	031-1520-00-0 (45T)	1.24	504-0640-12-0
	031-1500-00-0 (59T)	031-5160-00-0 (42T)	1.40	504-0640-14-0
	031-1490-00-0 (62T)	031-5180-00-0 (39T)	1.59	504-0640-16-0
	031-1480-00-0 (65T)	031-5200-00-0 (36T)	1.80	504-0640-18-0
	031-1470-00-0 (67T)	031-1440-00-0 (34T)	1.97	504-0640-20-0
	031-1610-00-0 (69T)	031-5220-00-0 (32T)	2.16	504-0640-22-0
	031-1460-00-0 (71T)	031-5240-00-0 (30T)	2.37	504-0640-24-0

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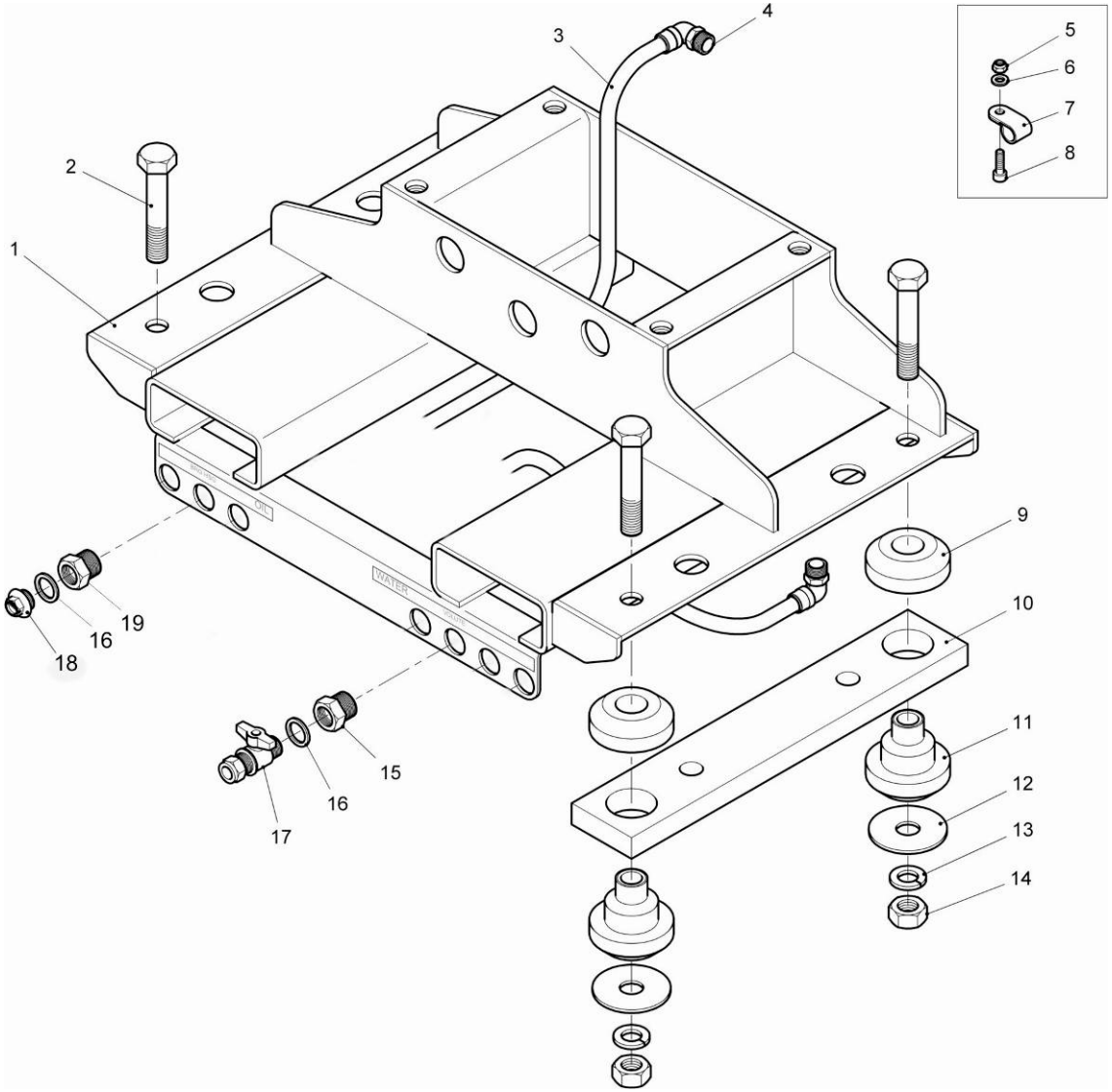
Mounting Platform Group – illustration



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Mounting Platform Group – List

ITEM	DESCRIPTION	QTY	ALUMINIUM	GUNMETAL	NOTES
1	Mounting base	1	65212/001	65212/001	
2	Bolt	4	MS20/90	MS20/90	
3	Nylon tubing	.675 m	56221MA	56221MA	
4	Swivel elbow connector	2	59189/02	59189/02	
5	Nut	1	MS41/4	MS41/4	
6	Washer	1	MS25/7	MS25/7	
7	Clip	1	53708/03	53708/03	
8	Bolt	1	MS04/25	MS04/25	
9	Flexible mount	4	60642	60642	
10	Mount plate	2	60641	60641	
11	Part of item 9, Flexible mount	4	-	-	
12	Washer, for rubber mount	4	60365	60365	
13	Spring washer	4	MS29/10	MS29/10	
14	Nut	4	MS35/12	MS35/12	
15	Straight adaptor	1	59082/09	59082/09	
16	Seal	2	UFP2303/8	UFP2303/8	
17	Ball valve, volute drain	1	65214/001	65214/001	
18	Plug, oil drain	1	65599	65599	
19	Straight adaptor	1	59082/09	59082/09	

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