

## Parts List - GP8155-180, GP8160-180 & GP8165-180

Item	Part	Description	Qty	Item	Part	Description	Qty
1	05651-180	Crankcase for Reverse Gear	1	43	05118	Sleeve Support Ring, GP8165	3
2	06893	Oil Filler Plug Assembly with Vent	1	45	05279	Seal Tension Spring, GP8155	3
3	05652	Rear Foot for Crankcase	2	45	05071	Seal Tension Spring, GP8160	3
4	05653	Front Foot for Crankcase	2	45	05119	Seal Tension Spring, GP8165	3
5	05654	Hexagon Socket Screw	4	49	05072	Stud Bolt	8
6	05655	Hexagon Socket Screw	4	49A	05073	Hexagon Nut	8
7	05381	Plug, 3/8" for Oil Dipstick	1	50	05074	Valve Casing	1
8	04185	Oil Dipstick Assembly	1	50A	13162	Centering Stud	2
9	01009	O-Ring	1	50B	05075	Discharge Casing	1
10	05657	Plug, M33 X 1.5	1	51	04186	Suction Valve Assembly	3
11	07102	O-Ring	1	51A	04166	Spring Tension Cap	3
12	12256	Plug, 3/8" BSP	3	51B	05078	Suction Valve Seat	3
13	22929	Copper Washer	4	51C	05079	Valve Plate	3
14	05036	Bearing Cover Closed	1	51D	07658	O-Ring	3
16	05037	O-Ring	1	51E	05080	Valve Spring	3
17	05038	Hexagon Socket Screw, M12	8	52	04188	Discharge Valve Assembly	3
18	05039	Spring Ring	8	52A	04166	Spring Tension Cap	3
19	05765	Flange	1	52B	05084	Discharge Valve Seat	3
19A	05766	Hexagon Socket Screw	6	52C	05079	Valve Plate	3
20	03258	Tapered Roller Bearing	1	52D	06258	O-Ring	6
21	03259	Tapered Roller Bearing	1	52E	05080	Valve Spring	3
21A	03260	Shim, 1mm x 140mm x 170mm	3	56	05085	Discharge Valve Adaptor	3
21B	05042	Shim, 0.1 mm	3	56A	06258	O-Ring	3
21C	05043	Shim, 0.5 mm	3	57	05086	Pressure Spring	3
21D	03261	Shim, 1 mm x 130 mm x 160mm	1-3	57A	07210-0100	Pressure Spring	3
22	05741	Crankshaft For Turned Gear	1	58	05087	Hexagon Socket Screw	12
23	05661	Fitting Key	1	59	07109	Plug, 1/2" BSP	3
24	05047	Connecting Rod Assembly	3	59A	06272	Copper Seal	3
25	05048	Crosshead c/w Plunger	3	60	06909	Plug, 1-1/4" BSP	1
28	05049	Crosshead Pin	3	61	05088	Plug, 3" BSP	1
29	05051	Hexagon Screw	6	62	05302	Plug, 1/4" BSP	6
29A	07408	Hexagon Nut	2	62A	06934	Copper Gasket	6
29B	05383	Bracket 2 for Cooling Hose	2	66	03193	Gear Cover	1
29C	05662	Support Clamp	2	67	08484	Hexagon Screw	11
29D	05381	Bracket 1 for Cooling Hose	1	67A	08041	Washer	11
30	05052	Cover Plate	1	68	03238	Cylinder Pin	2
30A	07225-0100	Hexagon Screw	5	69	04171	Gear Wheel Set (1500 RPM=2.6)	1
30B	13136	Grommet	5	69	04170	Gear Wheel Set (1800 RPM=3.1)	1
30C	08280	Washer	9	69	05767	Gear Wheel Set (2200 RPM=3.8)	1
30D	05050	Splash Cover	1	69	05666	Gear Wheel Set (2600 RPM=4.5)	1
31	07623	Eye Bolt	4	70	07614	Fitting Key	1
32	05058	Radial Shaft Seal	3	71	04571	Shim	1
32A	03118	Oil Scraper	3	72	05667	Hexagon Screw	1
33	03119	Seal Retainer	3	73	05428	Shaft Seal Ring for Gear	1
33A	05056	O-Ring	3	74	05668	Self-Aligning Roller Bearing	1
33B	05054	Clip Ring	3	75	05669	Roller Bearing	1
33C	05059	Fitting Disc	3	75A	05670	Fitting Disc	1
34	05060	Oil Shield	3	76	03309	Gear Seal	2
36A	05063	Plunger Pipe Cover GP8160/65	3	79	07662	Valve Puller (Not Shown)	1
36B	05280	Plunger, GP8155	3	78	05025	Oil Cooler (Items K1 - K19)	1
36B	05061	Plunger, GP8160	3	K1	05026	Cooling Vane Plate	1
36B	05115	Plunger, GP8165	3	K2	05027	Seal for Gear Cover	2
36C	05062	Tension Screw	3	K3	05028	Gear Cover	1
36D	07665	Copper Washer	3	K4	05029	Hexagon Hd Cntrsnc Screw	4
36E	06900	Centering Sleeve	3	K5	07381	Hexagon Socket Screw	8
38	05283	Seal Case, GP8155	3	K6	08041	Washer	8
38	05064	Seal Case, GP8160, GP8165	3	K7	05030	Connection for Oil Cooler	1
38A	13286	O-Ring, GP8155	6	K8	06272	Copper Seal	6
38A	06667	O-Ring, GP8160, GP8165	6	K9	07109	Plug, 1/2" BSP	2
38B	05281	Support Ring, GP8155 Only	6	K10	05031	Connecting Branch	3
39	05275	Seal Sleeve, GP8155	3	K11	05032	U-Joint Connector c/w Nut	3
39	05065	Seal Sleeve, GP8160	3	K12	05033	Tube for Cooler	2
39	05116	Seal Sleeve, GP8165	3	K13	05402	Hose Clamp	4
39A	05066	O-Ring	3	K14	05403	Hose Guard	2
40	07723	Seal Ring, GP8155	3	K15	05404	Hose Coupling Nut	1
40	05067	Seal Ring, GP8160	3	K16	05405	Flat Gasket	4
40	06996	Seal Ring, GP8165	3	K18	04158	Hexagon Socket Screw	4
41	05276	Pressure Ring, GP8155	3	K19	05053	Washer	4
41	05068	Pressure Ring, GP8160	3		05760A	Gearend Assembly (2200 RPM) (1-34, 66-81)	
41	05117	Pressure Ring, GP8165	3				
42	05277	Sleeve, GP8155	9		05606	Manifold Assembly (50-62A w/o 52A)	
42	05069	Sleeve, GP8160	9		05208	Plunger Replacement Kit, GP8155 (34A-45)	
42	06997	Sleeve, GP8165	9		05207	Plunger Replacement Kit, GP8160 (34A-45)	
43	05278	Sleeve Support Ring, GP8155	3		05209	Plunger Replacement Kit, GP8165 (34A-45)	
43	05070	Sleeve Support Ring, GP8160	3				

<b>Torque Specifications GP8155-180, GP8160-180, GP8165-180</b>			
<b>Item</b>	<b>Description</b>	<b>Tool Needed/Lubrication</b>	<b>Torque - Ft.-lbs (Nm)</b>
1	Crankcase	Molycote Cu-Paste	
17	Hexagon Socket Screw	10mm Allen Wrench	64 (87)
24	Connecting Rod Hex. Hd. Socket Screw	8mm Allen Wrench	37 (50)
32	Radial Shaft Seal	Loctite 403	
33B	Clip Ring	Industrial Snap Ring Pliers	
36C	Tension Screw	19mm Socket/Loctite 243	30 (40)
49	Stud Bolt	Loctite 243	
49A	Hexagon Nut (Manifold)	30mm Socket	265 (360)
51	Suction Valve Assembly	Valve Puller (p/n 07662)	
51B	Suction Valve Seat	Molycote Cu-Paste	
52	Discharge Valve Assembly	Valve Puller (p/n 07662)	
52B	Discharge Valve Seat	Molycote Cu-Paste	
58	Hexagon Socket Screw	12mm Allen Wrench/Loctite 243	132 (180)
67	Hexagon Screw		18.4 (25)
72	Hexagon Screw		30 (40)
K4	Hexagon Hd Cntrsnc Screw		11 (15)
K5	Hexagon Socket Screw	8mm Allen Wrench	33 (45)
K9	Plug, 1/2" SP		59 (80)

### **Pump Repair Kits - GP8155-180, GP8160-180, GP8165-180**

#### **Plunger Packing Kits**

##### **GP8155 - # 09616**

<b>Item</b>	<b>Part #</b>	<b>Description</b>	<b>Qty.</b>
38A	13286	O-Ring	6
38B	05281	Support Ring	6
39A	05066	O-Ring	3
40	07723	Seal Ring	3
42	05277	Sleeve	9

##### **GP8160 - # 09617**

<b>Item</b>	<b>Part #</b>	<b>Description</b>	<b>Qty.</b>
38A	06667	O-Ring	6
39A	05066	O-Ring	3
40	05067	Seal Ring	3
42	05069	Sleeve	9

##### **GP8165 - # 09586**

<b>Item</b>	<b>Part #</b>	<b>Description</b>	<b>Qty.</b>
38A	06667	O-Ring	6
39A	05066	O-Ring	3
40	06996	Seal Ring	3
42	06997	V-Sleeve	9

#### **Valve Kits**

##### **Inlet Valve Kit - #09587**

<b>Item</b>	<b>Part #</b>	<b>Description</b>	<b>Qty.</b>
51	04186	Inlet Valve Assembly	3
56A	06258	O-Ring	3

##### **Discharge Valve Kit - #09588**

<b>Item</b>	<b>Part #</b>	<b>Description</b>	<b>Qty.</b>
52	04188	Discharge Valve Assembly	3
56A	06258	O-Ring	3

#### **Oil Seal Kits**

##### **#09584A (From 06/19)**

<b>Item</b>	<b>Part #</b>	<b>Description</b>	<b>Qty.</b>
32	05058	Radial Shaft Seal	3
32A	03118	Oil Scraper	3
33	03119	Seal Retainer	3
33A	05056	O-Ring	3

##### **#09584 (Prior to 06/19)**

<b>Item</b>	<b>Part #</b>	<b>Description</b>	<b>Qty.</b>
32	05058	Radial Shaft Seal	3
32A	03118	Scraper	3
33A	05056	O-Ring	3

##### **#09584-R (Retrofit Oil Seal Kit -**

##### **To retrofit pumps made before 06/19)**

<b>Item</b>	<b>Part #</b>	<b>Description</b>	<b>Qty.</b>
32	05058	Radial Shaft Seal	3
32A	03118	Oil Scraper	3
33	03119	Seal Retainer	3
33A	05056	O-Ring	3