

Part List - GP8055 (-1000), GP8060 (-1000), GP8065 (-1000)

<u>Item</u>	<u>Part</u>	<u>Description</u>	<u>Qty</u>	<u>Item</u>	<u>Part</u>	<u>Description</u>	<u>Qty</u>
1	05380	Crankcase	1	43	05278	Sleeve Support Ring (GP8055)	3
2	06893	Oil Filler Plug Assy with Vent	1	43	05070	Sleeve Support Ring (GP8060)	3
5	22929	Copper Washer	2	43	05118	Sleeve Support Ring (GP8065)	3
6	12256	Plug, 3/8" BSP	1	45	05279	Seal Tension Spring (GP8055)	3
7	05656	Plug for oil dipstick	1	45	05071	Seal Tension Spring (GP8060)	3
8	05035*	Oil Dipstick Assy	1	45	05119	Seal Tension Spring (GP8065)	3
9	01009	O-Ring	1	49	05072	Stud Bolt	8
12	07109	Plug 1/2" BSP	2	49A	05073	Hexagon Nut	8
13	06272	Seal	2	50	05074	Valve Casing (GP8055/60/65)	1
14	05036	Bearing Cover Closed	1	50	05074-3000	Valve Casing (-1000 Versions)	1
14A	05298	Bearing Cover Open	1	50A	13162	Centering Stud	2
15	05112	Radial Shaft Seal	1	50B	05075	Discharge Valve Casing (GP8055/60/65)	1
16	05037	O-Ring	2	50B	05075-3000	Discharge Valve Casing (-1000 Versions)	1
17	05038	Hexagon Socket Screw	16	51	04186	Suction Valve Assembly	3
18	05039	Spring Ring	16	51A	04166	Spring Tension Cap	3
21	05044	Tapered Roller Bearing	2	51B	05078	Suction Valve Seat	3
21A	05042	Fitting Disc	1-5	51C	05079	Valve Plate	3
21B	05043	Fitting Disc	1-5	51D	07658	O-Ring	3
21C	05113	Fitting Disc	1-5	51E	05080	Valve Spring	3
22	05299	Crankshaft	1	52	04188	Discharge Valve Assy	3
23	05300	Fitting Key	1	52A	04166	Spring Tension Cap	3
24	05047	Conn-rod Assy	3	52B	05084	Discharge Valve Seat	3
25	05048	Crosshead c/w Plunger	3	52C	05079	Valve Plate	3
28	05049	Crosshead Pin	3	52D	06258	O-Ring	6
29	05051	Hexagon Screw	5	52E	05080	Valve Spring	3
29A	05381	Bracket 1 for Cooling Hose	2	56	05085	Discharge Valve Adaptor	3
29B	05383	Bracket 2 for Cooling Hose	2	56A	06258	O-Ring	3
30	05052	Cover Plate	1	57	05086	Pressure Spring	3
30A	07225-0100	Hexagon Screw	5	57A	07210-0100	Pressure Spring	3
30B	13136	Grommet	5	58	05087	Hexagon Socket Screw	12
30C	08280	Washer	10	59	07109	Plug 1/2" BSP	1
30D	05050	Splash Cover	1	59A	06272	Copper Seal	1
31	07623	Eye Bolt	3	60	06909	Plug 1-1/4" BSP	1
32	05058	Radial Shaft Seal	3	61	05088	Plug 3" BSP	1
32A	03118	Scraper	3	62	05302	Plug 1/4" BSP	6
33	03119	Seal Retainer	3	62A	06934	Copper Gasket	6
33A	05056	O-Ring	3	66	05303	Disc for Crankshaft	1
33B	05054	Clip Ring	3	67	13433	Hexagon Screw	1
33C	05059	Fitting Disc	3	78	05025	Oil Cooler Assembly	1
34	05060	Oil Shield	3	K1	05026	Cooling Vane Plate	1
36A	05063	Cover for Plunger Pipe (GP8060/GP8065)	3	K2	05027	Seal for Gear Cover	2
36B	05280	Plunger Pipe (GP8055)	3	K3	05028	Gear Cover	1
36B	05061	Plunger Pipe (GP8060)	3	K4	05029	Hexagon Head Countersunk Screw	8
36B	05115	Plunger Pipe (GP8065)	3	K5	07381	Hexagon Socket Screw	6
36C	05062	Tension Screw	3	K6	08041	Washer	6
36D	07665	Copper Washer	3	K7	05030	Connection for Oil Cooler	1
36E	06900	Centering Sleeve	3	K8	06272	Copper Seal	6
38	05283	Seal Case (GP8055)	3	K9	07109	Plug 1/2" BSP	2
38	05064	Seal Case (GP8060/GP8065)	3	K10	05031	Connecting Branch	3
38A	13286	O-Ring (GP8055)	6	K11	05032	Hose Adaptor	4
38A	06667	O-Ring (GP8060/GP8065)	6	K12	05033	Tube for Cooler	2
38B	05281	Support Ring (GP8055 Only)	6	K13	05402	Hose Clamp	4
39	05275	Seal Sleeve (GP8055)	3	K14	05403	Hose Guard	2
39	05065	Seal Sleeve (GP8060)	3	K15	05404	Hose Coupling Nut	1
39	05116	Seal Sleeve (GP8065)	3	K16	05405	Flat Gasket	4
39A	05066	O-Ring	3	K18	04158	Hexagon Socket Screw	4
40	07723	Seal Ring (GP8055)	3	K19	05053	Washer	4
40	05067	Seal Ring (GP8060)	3	05605	05605	Gear End Assembly (1-34,49,49A,50,66,67)	
40	06996	Seal Ring (GP8065)	3	05606	05606	Manifold Assembly (50-62A, without 50A) (GP8055/GP8060/GP8065)	
41	05276	Pressure Ring (GP8055)	3	05606-1000	05606-1000	Manifold Assembly (50-61, without 50A) (-1000 Versions)	
41	05068	Pressure Ring (GP8060)	3	05208	05208	Plunger Replacement Kit (GP8055/-1000)	
41	05117	Pressure Ring (GP8065)	3	05207	05207	Plunger Replacement Kit (GP8060/-1000)	
42	05277	V Sleeve (GP8055)	9	05209	05209	Plunger Replacement Kit (GP8065/-1000)	
42	05069	V Sleeve (GP8060)	9				
42	06997	V Sleeve (GP8065)	9				
	*17422	Add optional extended dip stick assembly (sold separately)					

GP8055(-1000)/GP8060(-1000)/GP8065(-1000) PUMP REPAIR KITS

Plunger Packing Kits

GP8055 - #09616

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

GP8060 - #09617

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

GP8065 - #09586

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

Inlet Valve Kit - #09587

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

Discharge Valve Kit - #09588

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

Oil Seal Kit - #09584A

(From 06/19)

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

Oil Seal Kit - #09584

(Prior to 06/19)

Item	Part #	Description	Qty.
32	05058	Radial Shaft Seal	3
33A	05056	O-Ring	3

Oil Seal Kit - #09584-R

(To retrofit pumps made before middle of 2019)

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

GP8055/GP8060/GP8065 TOOL LIST AND TORQUE SPECIFICATIONS				
ITEM	PART #	DESCRIPTION	TORQUE Ft-lbs (NM)	TOOL NEEDED
17	05038	Hexagon Socket Screw	64 (87)	10mm allen wrench
24	05047	Connecting Rod Hexagon Socket	37 (50)	8mm allen wrench
33B	05054	Clip Ring	n/a	Industrial Snap ring pliers
36C	05062	Tension Screw	30 (40)	19mm socket
49A	05073	Hexagon Nut (manifold)	266 (360)	30mm socket
51/52	05084/05076	Valve Assemblies	n/a	Valve puller (p/n 07662) - included with pump
58	05087	Hexagon Socket Screw	133 (180)	12mm allen wrench
K5	07381	Hexagon Socket Screw	n/a	8mm allen wrench

GP8000 Troubleshooting		
Problem	Cause	Solution
Pressure drops, water leaks	V-sleeves leak	Replace V-sleeves, examine surface of plunger
Pressure drops, pump becomes loud	Discharge or suction valve leaks	Replace valve
	Steam formation (cavitation)	Reduce suction height, reduce flow resistance in inlet line, clean inlet filter, lower water temperature
Irregular pressure	Worn valves	Examine valves
	O-Ring on the valves or inlet valve adapter leaks	Examine O-ring, examine valve casing for unevenness on the sealing surfaces
Oil leaks at visible part of plunger	Gear sealing is leaky	Examine seals and running surface of plunger
Dirty mile-colored frothy oil	Oil has mixed with water	Replace oil immediately, find and fix the cause
Oil leakage on the crankshaft	Shaft seal ring leaks	Check seal and shaft
Noise increases without loss of pressure	Worn bearing	Dismantle gear, examine all parts, replace worn parts, check oil level. If service life was too short, check for excess strain or whether lubrication intervals were too long. Only specified lubricants are to be used