

Part List - GP8055A(-1000), GP8060A(-1000), GP8065A(-1000)

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

GP8055A(-1000)/GP8060A(-1000)/GP8065A(-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

GP8055A/GP8060A/GP8065A 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 mil-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