

GP5136GB Spare Parts List

<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	03248	Crankcase	1	46A	12055	O-Ring	3
2	13000	Oil Filler Plug Assembly	1	46B	08059	O-Ring	3
3	05943	Oil Sight Glass Assembly	1	46C	13304	Inlet Valve Seat	3
4	13267	Crankcase Cover	1	46D	13306	Valve Plate	3
5	13268	O-Ring	1	46E	13307	Valve Spring	3
7	04334	Drip Pan	1	46F	13308	Spring Tension Cap	3
8	07105	Oil Dip Stick Assembly	1	46G	13309	Spacer Sleeve	3
9	01009	O-Ring, Dip Stick	1	47	13311	Discharge Valve Assembly	3
10	07008	Inner Hexagon Screw	8	47A	13289	O-Ring	3
11	06725	Spring Washer	8	47B	07700	O-Ring	3
12	07703	Drain Plug, 3/4" BSP	1	47C	13314	Discharge Valve Seat	3
13	07704	Gasket, Drain Plug	1	47D	13306	Valve Plate	3
14	03249	Bearing Cover	1	47E	13307	Valve Spring	3
14A	03250	O-Ring	4	47F	13308	Spring Tension Cap	3
15	08439	Lid	1	48	13316	Plug	3
16	08380	O-Ring	1	48A	07008	Inner Hexagon Screw	12
20	13206	Taper Roller Bearing	2	48B	07740	O-Ring	3
20A*	13207	Shim, 0.1mm	1-5	48C	07232	Tension Spring	3
20B*	04723	Shim, 0.15mm	1-5	49	13339	Inner Hexagon Screw	8
20C*	04724	Shim, 0.2mm	1-5	54	06626	Plug, 1" NPT	1
22	03251	Crankshaft	1	55	06627	Plug, 1-1/2" NPT	2
23	03252	Fitting Key	1	56	07623	Eye Bolt	1
24	13276	Connecting Rod Assembly	3	56A	22610	Plug, 1/4" NPT	3
25	13279	Crosshead Assembly	3	57	03256	Gearbox Assembly (58-79)	1
28	13281	Crosshead Pin	3	58	03257	Bottom Casing for Gear	1
29A	07125	Centering Sleeve	3	59	03195	Top Casing for Gear	1
29B	07130	Plunger Pipe	3	60	03196	O-Ring	1
29C	13031	Tensioning Screw	3	61	03253	Centering Ring	1
29D	07755	Copper Ring	3	62	03254	Gearwheel Set 2.0:1	1
30	13282	Oil Scraper	3	64	03199	Cylinder Roller Bearing	1
31	13284	Radial Shaft Seal	3	65	03200	Cylinder Roller Bearing	1
35	13288	Seal Sleeve	3	66	03201	Shim, 0.1 mm	1-2
35A	13289	O-Ring	3	66A	07249	Shim, 0.1 mm	1-2
35B	08183	O-Ring	3	67	05058	Radial Shaft Seal	1
36	13291	Grooved Ring	3	68	04744	Cylindrical Pin	3
39	07142	Pressure Ring	3	69	03202	Hexagon Socket Screw	8
40	07144	V-Sleeve	6	70	03255	Spacer Ring for Gear	1
41	07146	Sleeve Support Ring	3	71	07008	Hexagon Socket Screw	4
42	07147	Tension Spring	3	72	08041	Washer	8
42A	13298	Spring Guide	3	73	08380	O-Ring	1
43	13300	Valve Casing	1	75	13362	Disc for Crankshaft	1
44	07109	Plug, 1/2" BSP	1	76	13358	Hexagon Screw	1
45	06272	Copper Seal Ring, 1/2"	1	77	07109	Plug, 1/2" BSP	2
46	13302	Inlet Valve Assembly	3	78	06272	Copper Seal Ring, 1/2"	2
				79	13243	Fitting Key	1

*May not be present in quantities stated

GP5136GB Repair Kits

Plunger Packing Kit - #09229

<u>Item</u>	<u>Part#</u>	<u>Description</u>	<u>Qty.</u>
35A	13289	O-Ring	3
35B	08183	O-Ring	3
36	13291	Grooved Ring	3
40	07144	V-Sleeve	6

Oil Seal Kit - #09230

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
31	13284	Oil Seal	3

Inlet Valve Kit - #09231

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
46A	12055	O-Ring	1
46B	08059	O-Ring	1
46C	13304	Valve Seat	1
46D	13306	Valve Plate	1
46E	13307	Valve Spring	1

Discharge Valve Kit - # 09232

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
47A	13289	O-Ring	1
47B	07700	O-Ring	1
47C	13314	Valve Seat	1
47D	13306	Valve Plate	1
47E	13307	Valve Spring	1

GP5136GB TORQUE SPECIFICATIONS

Position	Item #	Description	Lubricaion Info	Torque Amount
1	03248	Crankcase	Molycote Cu-Paste	
3	05943	Oil Sight Glass Assembly	Loctite 572	22 ft.-lbs. (30 Mn)
10	07008	Inner Hexagon Screw		33 ft.-lbs. (45 Nm)
12	07703	Drain Plug, 3/4" BSP		74 ft.-lbs. (100 Nm)
24	13276	Connecting Rod Assembly		22 ft.-lbs. (30 Nm)
31	13284	Radial Shaft Seal	Loctite 403	
29C	13031	Tension Screw, Plunger	Loctite 243	22 ft.-lbs. (30 Nm)
48A	07008	Inner Hexagon Screw, Plug		35 ft.-lbs. (47 Nm)
49	13339	Inner Hexagon Screw, Valve Casing		89 ft.-lbs. (120 Nm)

GP5136GB Repair Instructions

To Check Valves

Remove inner hexagon screw (48A) and remove plugs (48) with a screwdriver. Check O-rings (48B) on plugs. Pull out tension spring (48C). Remove the spring tension disc (47F) from discharge valve assembly (47) with an M10-screw. Take out spring (47E) and plate (47D). Pull out valve seat (47C) by means of an valve puller. Check sealing areas of plate and valve seat for damage and replace worn parts. Check O-rings (47A) and (47B). Screw spacer pipe (46G) out of spring tension cap (46F) in the suction valve assembly (46). Remove suction valve with an M10-screw. Check O-ring (46A) and (46B). If valve seat (46C) remains in the valve casing (43) then carry forth as described for discharge valve. When reassembling, use new O-rings if possible and oil them before installing.

Tighten inner hexagon screws (48A) to 35 ft.-lbs. (47 Nm).

To Check Seals and Plunger Pipe

Loosen the inner hexagon screws (49) and pull off valve casing (43) to the front. Pull seal sleeves (35) out of guides in crankcase (1) and over the plunger pipe (29B). Pull support ring (41), sleeves (40) and pressure ring (39) out of seal sleeve. Check plunger surfaces, sleeves (40) and grooved rings (36). Replace worn parts.

If the plunger pipe is worn out, loosen tension screw (29C) and pull off plunger pipe to the front. Clean contact surfaces of plunger (25) thoroughly. Then place new plunger pipe carefully through the oiled seals into the seal case. Check o-rings (35A/35B) on seal sleeves; replace worn o-rings. Then, push seal sleeve together with plunger pipe into the crankcase guide. Turn gear carefully until plunger (25) comes up against the plunger pipe. Put a new copper gasket (29D) onto the tension screw (29C). Cover the thread of tension screw and the gasket with glue and tighten to 22 ft.-lbs. (30 Nm).