

## GP7645GBHS-2.4-180 & GP7655GBHS-2.4-180 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	05769	Crankcase	1	51	05594	Inlet Valve Assembly (51A-51F)	3
2	13000	Oil Filler Plug Assembly	1	51A	05595	Spring Tension Cap	3
8	07603	Oil Dip Stick	1	51B	05450	Valve Spring	3
9	01009	O-Ring, Dip Stick	1	51C	05247	Valve Plate	3
12	07109	Drain Plug	9	51D	05596	O-Ring	3
13	06272	Copper Seal for 12	9	51E	05597	Inlet Valve Seat	3
14	05770	Bearing Cover	1	51F	05166	O-Ring	3
14A	12204	O-Ring	4	52	05600	Discharge Valve Assembly	3
15	05771	Radial Shaft Seal	1	52A	05595	Spring Tension Cap	3
16	05772	O-Ring	2	52B	05450	Valve Spring	3
17	05642	Inner Hexagon Screw	4	52C	05247	Valve Plate	3
18	05039	Spring Ring	4	52D	05596	O-Ring	3
20	05773	Taper Roller Bearing	2	52E	05598	Discharge Valve Seat	3
20A	05774	Fitting Disc (Shim), 0.1 mm	1-5	52F	05599	O-Ring	3
20B	04570	Fitting Disc (Shim), 0.15 mm	1-5	53	22610	Plug, 1/4" NPT	3
21	05645	Shaft Guard Holder	1	55	05647	Valve Spacer	3
21A	05646	Shaft Guard	1	56A	07658	O-Ring	3
22	04517	Crankshaft	1	56B	07635	Support Ring	3
23	05776	Key	1	57	13173	Tension Spring	3
24	05777	Connecting Rod Assy.	3	58	06682	Plug, M64 x 2	3
25	05778	Crosshead Assy.	3	60	12251	Plug, 1-1/4" NPT	1
28	05779	Crosshead Pin	3	61	05170	Plug, 2-1/2" NPT	1
29A	07408	Hexagon Nut	2	68	05782	Bottom Casing for Gear	1
29B	05383	Bracket 2 f. Cooling Hose	1	69	05783	Top Casing for Gear	1
29C	05662	Fixing Bracket	1	70	05784	Gear Seal	1
29D	05381	Bracket 2 f. Cooling Hose	1	71	05785	Centering Ring	1
30	07619	Cover Plate	1	72A/B	05786	Gear Wheel Set, i=2.44	1
30A	07225-0100	Hexagon Screw	9	74	05787	Self-Aligning Roller Bearing	1
30B	13136	Grommet	4	75	05788	Roller Bearing	1
30C	05053	Disc	8	76	07117	Fitting Disc (Shim), 0.1 mm	5
30D	13154	Cover	1	77	05789	Radial Shaft Ring	1
31	07623	Eye Bolt	1	78	05665	Cylinder Pin	6
32	07624	Radial Shaft Seal	3	80	05790	Spacer Ring 1 for Gear	1
33	07626	Seal Retainer	3	81	05791	Spacer Ring 2 for Gear	1
33A	07627	O-Ring for Seal Retainer	3	82	05802	Fixing Plate for Gear	1
33B	07628	Circlip for 33	3	83	13358	Hexagon Screw	1
33C	07249	Fitting Disc	3	84	05792	Hexagon Socket Screw	7
34	13137	Oil Scraper (Flinger)	3	85	05702	Hexagon Socket Screw	8
36	06165A	Plunger Assy. (36A-36D), GP7645GB	3	86	07159	Washer	8
36	07706	Plunger Assy. (36A-36D), GP7655GB	3	87	05793	Hexagon Socket Screw	5
36A	07667	Plunger Connection	3	88	05655	Hexagon Socket Screw	1
36B	05157A	Plunger Pipe, GP7645GB	3	89	05794	Gear Flange, Hollow	1
36B	07666	Plunger Pipe, GP7655GB	3	89A	05795	Centering Ring, Hollow	1
36C	07664	Tensioning Screw	3	90	04157-180	Oil Cooler Assembly	1
36D	07665	Copper Ring	3	K1	05797	Cooling Vane Plate	1
38	06167	Seal Case, GP7645GB	3	K2	05798	Seal for Gear Cover	2
38	13155	Seal Case, GP7655GB	3	K3	05799	Gear Cover	1
38A	13156	O-Ring	3	K4	05029	Hexagon Head Countersunk Screw	4
38B	06258	O-Ring, GP7645GB	3	K5	05800	Hexagon Socket Screw	8
38B	07721	O-Ring, GP7655GB	3	K6	06725	Washer	8
39	06171	Seal Sleeve, GP7645GB	3	K7	05755	Connection for Oil Cooler	1
39	13157	Seal Sleeve, GP7655GB	3	K8	06272	Copper Seal	5
39A	13290	Grooved Ring, GP7645GB	3	K9	07109	Plug, 1/2" BSP	2
39A	07723	Grooved Ring, GP7655GB	3	K10	05031	Reducing Nipple	2
40	07797	Support Ring, GP7655GB	3	K11	05032	U-Joint Connector with Nut	2
41	13296	O-Ring, GP7645GB	3	K12	05033	Tube for Cooler	2
41	13158	O-Ring, GP7655GB	3	K13	05402	Hose Clamp	4
42	13294	V-Sleeve, GP7645GB	9	K14	05403	Hose Guard	2
42	07711	V-Sleeve, GP7655GB	6	K15	05404	Hose Coupling Nut	1
43	13293	Pressure Ring, GP7645GB	3	K16	05405	Flat Gasket	3
43	07712	Pressure Ring, GP7655GB	3	K17	08280	Washer	4
45	13297	Tension Spring, GP7645GB	3	K18	04158	Hexagon Socket Screw	4
49	13159	Stud Bolt	8	K19	04326	Elbow	1
49A	13160	Hexagon Nut	8	K20	04327	Hose Nipple	1
50	07791	Valve Casing	1		07662	Valve Tool (not shown)	1
50A	13162	Centering Stud	2				

## Repair Kits - GP7645GBHS-2.4-180 & GP76555GBHS-2.4-180

### Plunger Packing Kit, GP7645GBHS-2.4-180 # 09603

Item	Part #	Description	Qty.
38A	13156	O-Ring	3
38B	07721	O-Ring	3
39A	07723	Grooved Ring	3
42	07711	V-Sleeve	9

### Plunger Packing Kit, GP76555GBHS-2.4-180 # 09220

Item	Part #	Description	Qty.
38A	13156	O-Ring	3
38B	07721	O-Ring	3
39A	07723	Grooved Ring	3
41	13158	Support Ring	3
42	07711	V-Sleeve	6

### Oil Seal Kit - # 09221

Item	Part #	Description	Qty.
32	07624	Radial Shaft Seal	3
33A	07627	O-Ring	3

### Inlet Valve Kit - # 09659

Item	Part #	Description	Qty.
51	05594	Inlet Valve Assembly	1
56A	07658	O-Ring	1
56B	07635	Support Ring	1

### Large Discharge Valve Kit - # 09660

Item	Part #	Description	Qty.
52	05600	Discharge Valve Assy	1
55	05647	Valve Spacer	1
56A	07658	O-Ring	1
56B	07635	Support Ring	1

### Small Discharge Valve Kit\* - # 09661

Item	Part #	Description	Qty.
51B	05450	Valve Spring	1
51C	05247	Valve Plate	1
51D	05596	O-Ring	1
52F	05599	O-Ring	1
56A	07658	O-Ring	1
56B	07635	Support Ring	1

\* The discharge valve seat (item 52E) can be flipped over and used. If it is damaged on both sides, order kit # 09660.

## GP7645GBHS-2.4-180 & GP76555GBHS-2.4-180 Torque Specifications

Position	Item#	Description	Torque Amount
24	05777	Connecting Rod Assembly	30 ft.-lbs. (40 NM)
36C	06166/07664	Tension Screw	30 ft.-lbs. (40 NM)
49A	13160	Hexagon Nut	103 ft.-lbs. (140 NM)
58	06682	Plug	107 ft-lbs (145 NM)

Preventative Maintenance Check-List & Recommended Spare Part List							
Check		Daily	Weekly	50hr	Every 500 hrs	Every 1500 hrs	Every 3000 hrs
Oil Level / Quality	X						
Oil Leaks		X					
Water Leaks		X					
Belts, Pulley			X				
Plumbing			X				
Recommended Spare Part							
Oil Change (p/n 01154)				X	X		
Plunger Packing Kits(1 kit/Pump)						X	
Oil Seal Kit ( 1 kit/Pump)						X	
Valve Kit ( 1 kit/pump)							X