

## GP7645, GP7650 & GP7655 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	42	13294	V-Sleeve, GP7645	9
2	13000	Oil Filler Plug Assembly	1	42	07638	V-Sleeve, GP7650	6
8	07603	Oil Dip Stick	1	42	07711	V-Sleeve, GP7655	6
9	01009	O-Ring, Dip Stick	1	43	13293	Pressure Ring, GP7645	3
12	07109	Drain Plug	7	43	07639	Pressure Ring, GP7650	3
13	06272	Copper Seal for 12	7	43	07712	Pressure Ring, GP7655	3
14	05770	Bearing Cover	2	45	13297	Tension Spring, GP7645	3
14A	12204	O-Ring	8	45	07636	Tension Spring, GP7650	3
15	05771	Radial Shaft Seal	2	49	13159	Stud Bolt	8
16	05772	O-Ring	2	49A	13160	Hexagon Nut	8
17	05642	Inner Hexagon Screw	8	50	07791	Valve Casing	1
18	05039	Spring Ring	8	50A	13162	Centering Stud	2
20	05773	Taper Roller Bearing	2	51	05594	Inlet Valve Assembly (51A-51F)	3
20A	05774	Fitting Disc (Shim), 0.1 mm	1-5	51A	05595	Spring Tension Cap	3
20B	04570	Fitting Disc (Shim), 0.15 mm	1-5	51B	05450	Valve Spring	3
21	05645	Shaft Guard Holder	1	51C	05247	Valve Plate	3
21A	05646	Shaft Guard	1	51D	05596	O-Ring	3
22	04517A	Crankshaft	1	51E	05597	Inlet Valve Seat	3
23	07614	Key	1	51F	05166	O-Ring	3
24	05777	Connecting Rod Assembly	3	52	05600	Discharge Valve Assembly	3
25	05778	Crosshead Assembly	3	52A	05595	Spring Tension Cap	3
28	05779	Crosshead Pin	3	52B	05450	Valve Spring	3
29B	05383	Bracket 2 f. Cooling Hose	2	52C	05247	Valve Plate	3
29D	05381	Bracket 2 f. Cooling Hose	2	52D	05596	O-Ring	3
30	07619	Cover Plate	1	52E	05598	Discharge Valve Seat	3
30A	07225-0100	Hexagon Screw	8	52F	05599	O-Ring	3
30B	13136	Grommet	4	53	22610	Plug, 1/4" NPT	3
30C	08280	Disc	8	55	05647	Valve Spacer	3
30D	13154	Cover	1	56A	07658	O-Ring	3
31	07623	Eye Bolt	1	56B	07635	Support Ring	3
32	07624	Radial Shaft Seal	3	57	13173	Tension Spring	3
33	07626	Seal Retainer	3	58	06682	Plug, M64 x 2	3
33A	07627	O-Ring for Seal Retainer	3	60	12251	Plug, 1-1/4" NPT	1
33B	07628	Circlip for 33	3	61	05170	Plug, 2-1/2" NPT	1
33C	07249	Fitting Disc	3	66	13362	Disc for Crankshaft	1
34	13137	Oil Scraper (Flinger)	3	67	13358	Hexagon Screw	1
36	06165A	Plunger Assy. (36A-36D), GP7645	3	90	04157	Oil Cooler Assembly	1
36	07630	Plunger Assy. (36A-36D), GP7650	3	K1	05797	Cooling Vane Plate	1
36	07706	Plunger Assy. (36A-36D), GP7655	3	K2	05798	Seal for Gear Cover	2
36A	07667	Plunger Connection	3	K3	05799	Gear Cover	1
36B	05157A	Plunger Pipe, GP7645	3	K4	05029	Hexagon Head Countersunk Screw	4
36B	07793	Plunger Pipe, GP7650	3	K5	05800	Hexagon Socket Screw	8
36B	07666	Plunger Pipe, GP7655	3	K6	06725	Washer	8
36C	07664	Tensioning Screw	3	K7	05755	Connection for Oil Cooler	1
36D	07665	Copper Ring	3	K8	06272	Copper Seal	6
38	06167	Seal Case, GP7645	3	K9	07109	Plug, 1/2" BSP	2
38	07794	Seal Case, GP7650	3	K10	05031	Reducing Nipple	3
38	13155	Seal Case, GP7655	3	K11	05032	U-Joint Connector with Nut	3
38A	13156	O-Ring	3	K12	05033	Tube for Cooler	2
38B	06258	O-Ring, GP7645/GP7650	3	K13	05402	Hose Clamp	4
38B	07721	O-Ring, GP7655	3	K14	05403	Hose Guard	2
38C	07635	Support Ring, GP7650	3	K15	05404	Hose Coupling Nut	1
39	06171	Seal Sleeve, GP7645	3	K16	05405	Flat Gasket	4
39	07795	Seal Sleeve, GP7650	3	K17	05053	Washer	4
39	13157	Seal Sleeve, GP7655	3	K18	04158	Hexagon Socket Screw	4
39A	13290	Grooved Ring, GP7645	3		07662	Valve Tool (not shown)	1
39A	07796	Grooved Ring, GP7650	3		17498	Gear Assembly (4x12-13, 34,49,49A,50,50A,66,67)	
39A	07723	Grooved Ring, GP7655	3			Manifold Assembly	
40	07797	Support Ring, GP7655	3	05210A		Plunger Conversion Kit GP7645	
41	13296	O-Ring, GP7645	3	04296		Plunger Conversion Kit GP7650	
41	05318	Sleeve Support Ring, GP7650	3	05211		Plunger Conversion Kit GP7655	
41	13158	O-Ring, GP7655	3				

## Repair Kits - GP7645, GP7650 & GP7655

### Plunger Packing Kit, GP7645 - # 09603

Item	Part #	Description	Qty.
38A	13156	O-Ring	3
38B	06258	O-Ring	3
39A	13290	Grooved Ring	3
42	13294	V-Sleeve	9

### Plunger Packing Kit, GP7650 - # 09526

Item	Part #	Description	Qty.
38A	13156	O-Ring	3
38B	06258	O-Ring	3
38C	07635	Support Ring	3
39A	07796	Grooved Ring	3
42	07638	V-Sleeve	6

### Plunger Packing Kit, GP7655 - # 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.

## GP7645, GP7650 & GP7655 Torque Specifications

Position	Item #	Description	Lubrication Info	Torque Specifications
1	05769	Crankcase	Molycote Cu-Paste	
17	05642	Inner Hexagon Screw		33 ft.-lbs. (45 Nm)
24	05777	Connecting Rod Assembly		29.5 ft.-lbs. (40 Nm)
30A	07225-0100	Hexagon Screw		88.5 in.-lbs. (10 Nm)
32	07624	Radial Shaft Seal	Loctite 403	
36A	07667	Plunger Connection		33 ft.-lbs. (45 Nm)
36C	07664	Tensioning Screw	Loctite 243	29.5 ft.-lbs. (40 Nm)
49	13159	Stud Bolt	Loctite 243	
49A	13160	Hexagon Nut		59 ft.-lbs. (80 Nm)
51E	05597	Inlet Valve Seat	Hylomar	
52E	05598	Discharge Valve Seat	Hylomar	
58	06682	Plug, M64 x 2		107 ft.-lbs. (145 Nm)
K2	05798	Seal for Gear Cover	Loctite 5910	
K5	05800	Hexagon Socket Screw		33 ft.-lbs. (45 Nm)
K9	07109	Plug, 1/2" BSP		59 ft.-lbs. (80 Nm)
K18	04158	Hexagon Socket Screw		124 in.-lbs. (14 Nm)