

GP7645GBHS-180, GP7650GBHS-180 & GP7655GBHS-180 Spare Parts List

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	05769	Crankcase	1	43	07639	Pressure Ring, GP7650	3
2	13000	Oil Filler Plug Assembly	1	43	07712	Pressure Ring, GP7655	3
8	07603	Oil Dip Stick	1	45	13297	Tension Spring, GP7645	3
9	01009	O-Ring, Dip Stick	1	45	07636	Tension Spring, GP7650	3
12	07109	Drain Plug	9	49	13159	Stud Bolt	8
13	06272	Copper Seal for 12	9	49A	13160	Hexagon Nut	8
14	05770	Bearing Cover	1	50	07791	Valve Casing	1
14A	12204	O-Ring	4	50A	13162	Centering Stud	2
15	05771	Radial Shaft Seal	1	51	05594	Inlet Valve Assembly (51A-51F)	3
16	05772	O-Ring	2	51A	05595	Spring Tension Cap	3
17	05642	Inner Hexagon Screw	4	51B	05450	Valve Spring	3
18	05039	Spring Ring	4	51C	05247	Valve Plate	3
20	05773	Taper Roller Bearing	2	51D	05596	O-Ring	3
20A	05774	Fitting Disc (Shim), 0.1 mm	1-5	51E	05597	Inlet Valve Seat	3
20B	04570	Fitting Disc (Shim), 0.15 mm	1-5	51F	05166	O-Ring	3
21	05645	Shaft Guard Holder	1	52	05600	Discharge Valve Assembly	3
21A	05646	Shaft Guard	1	52A	05595	Spring Tension Cap	3
22	04517A	Crankshaft	1	52B	05450	Valve Spring	3
23	05776	Key	1	52C	05247	Valve Plate	3
24	05777	Connecting Rod Assembly	3	52D	05596	O-Ring	3
25	05778	Crosshead Assembly	3	52E	05598	Discharge Valve Seat	3
28	05779	Crosshead Pin	3	52F	05599	O-Ring	3
29A	07408	Hexagon Nut	1	53	22610	Plug, 1/4" NPT	3
29B	05383	Bracket 2 f. Cooling Hose	2	55	05647	Valve Spacer	3
29C	05662	Fixing Bracket	1	56A	07658	O-Ring	3
29D	05381	Bracket 2 f. Cooling Hose	1	56B	07635	Support Ring	3
30	07619	Cover Plate	1	57	13173	Tension Spring	3
30A	07225-0100	Hexagon Screw	9	58	06682	Plug, M64 x 2	3
30B	13136	Grommet	4	60	12251	Plug, 1-1/4" NPT	1
30C	05053	Disc	8	61	05170	Plug, 2-1/2" NPT	1
30D	13154	Cover	1	68	05782	Bottom Casing for Gear	1
31	07623	Eye Bolt	1	69	05783	Top Casing for Gear	1
32	07624	Radial Shaft Seal	3	70	05784	Gear Seal	1
33	07626	Seal Retainer	3	71	05785	Centering Ring	1
33A	07627	O-Ring for Seal Retainer	3	72A/B	03366	Gear Wheel Set, i=2.25	1
33B	07628	Circlip for 33	3	72A/B	05786	Gear Wheel Set, i=2.44	1
33C	07249	Fitting Disc	3	72A/B	04670	Gear Wheel Set, i=2.75	1
34	13137	Oil Scraper (Flinger)	3	74	05787	Self-Aligning Roller Bearing	1
36	06165A*	Plunger Assembly, GP7645	3	75	05788	Roller Bearing	1
36	06165-SS*	Plunger Assembly, GP7645-SS	3	76	07117	Fitting Disc (Shim), 0.1 mm	5
36	07630*	Plunger Assembly, GP7650	3	77	05789	Radial Shaft Ring	1
36	07706*	Plunger Assembly, GP7655	3	78	05665	Cylinder Pin	6
36	07706-SS*	Plunger Assembly, GP7655-SS	3	80	05790	Spacer Ring 1 for Gear	1
36A	07667	Plunger Connection	3	81	05791	Spacer Ring 2 for Gear	1
36B	05157A	Plunger Pipe, GP7645	3	82	05802	Fixing Plate for Gear	1
36B	05157A-SS	Plunger Pipe, SS, GP7645	3	83	13358	Hexagon Screw	1
36B	07793	Plunger Pipe, GP7650	3	84	05792	Hexagon Socket Screw	7
36B	07666	Plunger Pipe, GP7655	3	85	05702	Hexagon Socket Screw	3
36B	07666-SS	Plunger Pipe, SS, GP7655	3	86	07159	Washer	3
36C	07664	Tensioning Screw	3	87	05793	Hexagon Socket Screw	5
36D	07665	Copper Ring	3	88	05655	Hexagon Socket Screw	1
38	06167	Seal Case, GP7645	3	89	05794	Gear Flange, Hollow	1
38	07794	Seal Case, GP7650	3	89A	05795	Centering Ring, Hollow	1
38	13155	Seal Case, GP7655	3	90	03704	Oil Cooler Assembly	1
38A	13156	O-Ring	3	K1	03705	Stainless Steel Tubing	1
38B	06258	O-Ring, GP7645/GP7650	3	K2	03708	Gear Cover Seal	1
38B	07721	O-Ring, GP7655	3	K3	03709	Gear Cover	1
38C	07635	Support Ring, GP7650	3	K4	03710	Clamping Screw	2
39	06171	Seal Sleeve, GP7645	3	K5	22706	Hexagon Socket Screw	8
39	07795	Seal Sleeve, GP7650	3	K6	06725	Washer	8
39	13157	Seal Sleeve, GP7655	3	K7	05755	Connection for Oil Cooler	1
39A	13290	Grooved Ring, GP7645	3	K8	06272	Copper Seal	5
39A	07796	Grooved Ring, GP7650	3	K9	07109	Plug, 1/2" BSP	1
39A	07723	Grooved Ring, GP7655	3	K10	05031	Reducing Nipple	1
40	07797	Support Ring, GP7655	3	K11	05032	U-Joint Connector with Nut	3
41	13296	O-Ring, GP7645	3	K12	05033	Tube for Cooler	1.4 m
41	05318	Support Ring, GP7650	3	K13	05402	Hose Clamp	4
41	13158	O-Ring, GP7655	3	K14	05403	Hose Guard	1.3 m
42	13294	V-Sleeve, GP7645	9	K15	05404	Hose Coupling Nut	1
42	07638	V-Sleeve, GP7650	6	K16	05405	Flat Gasket	4
42	07711	V-Sleeve, GP7655	6	K17	03706	Hose Plate	1
43	13293	Pressure Ring, GP7645	3	K18	03707	Reduction Nipple	2
					07662	Valve Tool (not shown)	1

*Consists of items 36A-36D

**If item 30 is metal, item 30=07619-0400 and item 30A=05051-0100. Item 30B is not present.

Repair Kits - GP7645GBHS-180, GP7650GBHS-180 & GP76555GBHS-180

Plunger Packing Kit, GP7645GBHS # 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, GP7650GBHS # 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
41	05318	Support Ring	3
42	07638	V-Sleeve	6

Plunger Packing Kit, GP7655GBHS # 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-180, GP7650GBHS-180 & GP7655GBHS-180 Torque Specifications

Position	Thread	Lubrication Info	Torque Specifications
1		Molycote Cu-Paste	
12	1/2" BSP		29.5 ft.-lbs. (40 Nm)
15		Loctite 403	
17	M12		64 ft.-lbs. (87 Nm)
24	M10		29.5 ft.-lbs. (40 Nm)
30A			88.5 in.-lbs. (10 Nm)
32		Loctite 403	
36A			33 ft.-lbs. (45 Nm)
36C	M10	Loctite 243	29.5 ft.-lbs. (40 Nm)
39		Copper Paste/Crankcase Side	
49		Loctite 648/Crankcase Side	
49A	M16		133 ft.-lbs. (180 Nm)
51E		Hylomar	
52E		Hylomar	
58	M64x2		107 ft.-lbs. (145 Nm)
85			62.7 ft.-lbs. (85 Nm)
K2		Loctite 5910	
K4	M5		
K5	M10		33 ft.-lbs. (45 Nm)
K9	1/2" BSP		29.5 ft.-lbs. (40 Nm)
K18	1/2" BSP	Loctite 243	29.5 ft.-lbs. (40 Nm)