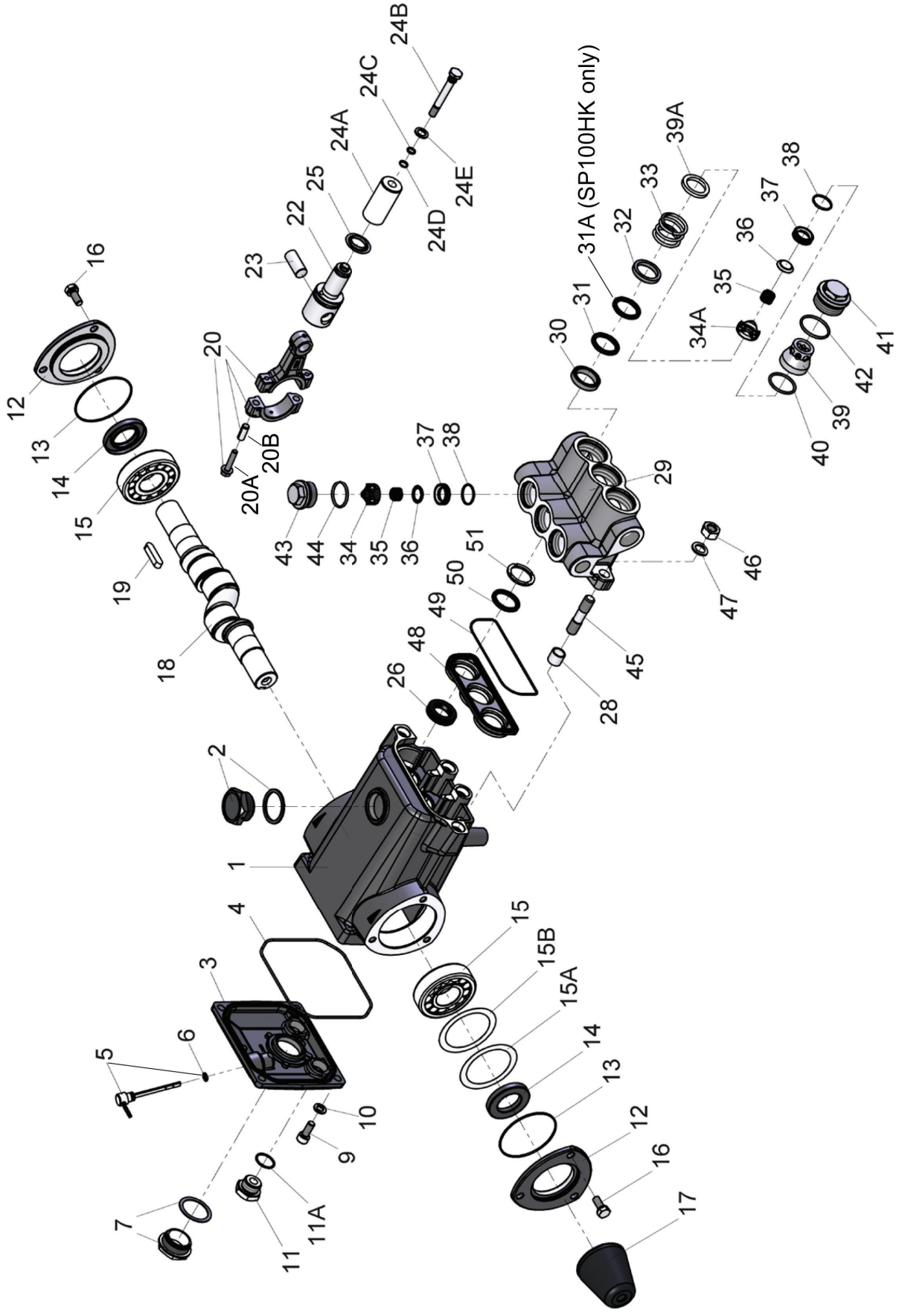
SP100W/SP100HK/SP200W/SP351W - Exploded View



SP100W/SP100HK/SP200W/SP351W PARTS LIST

ITEM	PART	DESCRIPTIONS	QTY
1	07294	Crankcase	1
2	06968	Oil Filler Cap with Gasket	1
3	07297	Cover, Crankcase	1
4	07298	O-Ring, Crankcase Cover	1
5	07299	Oil Dipstick Assembly	1
6	01009	O-Ring, Dip Stick	1
7	07186	Oil Sight Glass Assembly	1
9	01010	Screw, Crankcase Cover	4
10	01011-0400	Spring Washer, Cover Screw	4
11	07109	Oil Drain Plug	2
11A	06015	O-Ring	2
12	07302	Bearing Cover	2
13	07303	O-Ring, Bearing Cover	2
14	07459	Seal, Crankshaft	2
15	08388	Roller Bearing	2
15A	06962	Shim, 1.5mm	1-2
15B	07249**	Shim	1
16	07114	Screw & Washer, Bearing Cover	6
17	05312	Shaft Protector	1
18	07309	Crankshaft	1
19	13331	Fitting Key	1
20	07310	Connecting Rod Assembly	3
20A	05349	Inner Hexagon Screw	6
20B	05348	Centering Sleeve	6
22	07315	Crosshead with Plunger Base	3
23	07314	Crosshead Pin	3
24A	07346	Ceramic Plunger, SP100W(HK)	3
24A	13452	Ceramic Plunger, SP200W	3
24A	07340	Ceramic Plunger, SP351W	3
24B	08399	Tension Screw	3
24C	07023	O-Ring	3
24D	07203	Support Ring	3
24E	07258	Copper Seal Washer	3
25	05289	Oil Scraper	3
26*	07318	Radial Shaft Seal	3
28	07319	Shim, Stud	2
29	07320	Manifold, SP100W(HK)/SP200W	1
29	07371	Manifold, SP351W	1
30	07335	Pressure Ring, SP100W(HK)	3
30	13366	Pressure Ring, SP200W	3
30	07268	Pressure Ring, SP351W	3
31	07336	V-Sleeve, SP100W(HK)	3
31	06083	V-Sleeve, SP200W	3
31	07322	V-Sleeve, SP351W	3
31A	11503	V-Sleeve, SP100HK	3
32	07337	Support Ring, SP100W	3
32	13367	Support Ring, SP200W	3
32	07270	Support Ring, SP351W	3
33	07338	Pressure Spring, SP100W(HK)/SP200W	3
33	07275	Pressure Spring, SP351W	3
34	07325	Spring Retainer, Discharge	3
34A	07326-0100	Spring Retainer, Inlet	3
35	07312-0100	Valve Spring	6
36	07327	Valve Plate	6
37	06014	Valve Seat	6
38	06015	O-Ring, Valve Seat	6
39	07328	Valve Retainer, Inlet, SP100W(HK)/SP200W	3
39	07383	Valve Retainer, Inlet, SP351W	3
39A	07329	Spacer	3
40	12057	O-Ring, Inlet Valve Retainer	3
41	07331	Plug, Inlet	3
42	07332	O-Ring, Inlet Plug	3
43	07213	Plug, Discharge, SP100W(HK)/SP200W	3
43	06820	Plug, Discharge, SP351W	3
44	07214	O-Ring, Discharge Plug, SP100W(HK)/SP200W	3
44	07035	O-Ring, Discharge Plug, SP351W	3
45	07333	Stud Bolt	4
46	07158	Hex Nut, Stud Bolt	4
47	07159	Spring Washer, Stud Bolt	4
48	07347	Weep Return Plate, SP100W	1
48	13453	Weep Return Plate, SP200W	1
48	07343	Weep Return Plate, SP351W	1
49	07344	O-Ring, Weep Plate	1
50	07336	Weep Return Seal, SP100W	3
50	11503	Weep Return Seal, SP100HK	3
50	07688	Weep Return Seal, SP200W	3
50	06064	Weep Return Seal, SP351W	3
51	07349	Seal Support Ring, SP100W(HK)	3
51	07687	Seal Support Ring, SP200W	3
51	07345	Seal Support Ring, SP351W	3

*Older versions have three pieces (07318, 08059 and 08060) rather than a single piece oil seal.
**May not be present.

SP100W/SP100HK/SP200W/SP351W - REPAIR KITS

Plunger Packing Repair #09077, SP100W

Item	Part #	Description	Qty.
31	07336	V-Sleeve	3
40	12057	O-Ring, Inlet Valve Retainer	3
42	07332	O-Ring, Inlet Plug	3
49	07344	O-Ring, Weep Plate	1
50	07336	Weep Return Seal	3

Plunger Packing Repair #09798, SP200W

Item	Part #	Description	Qty.
31	06083	V-Sleeve	3
40	12057	O-Ring, Inlet Valve Retainer	3
42	07332	O-Ring, Inlet Plug	3
49	07344	O-Ring, Weep Plate	1
50	07688	Weep Return Seal	3

Plunger Packing Repair #09076, SP351W

Item	Part #	Description	Qty.
31	07322	V-Sleeve	3
40	12057	O-Ring, Inlet Valve Retainer	3
42	07332	O-Ring, Inlet Plug	3
49	07344	O-Ring, Weep Plate	1
50	06064	Weep Return Seal	3

Plunger Packing Repair Kit #09077-HK, SP100HK

Item	Part #	Description	Qty.
31	07336	V-Sleeve	3
31A	11503	V-Sleeve	3
40	12057	O-Ring, Inlet Valve Retainer	3
42	07332	O-Ring, Inlet Plug	3
49	07344	O-Ring, Weep Plate	1
50	11503	V-Sleeve	3

Oil Seal Repair #09797

Item	Part #	Description	Qty.
26	07318	Radial Shaft Seal	3

Complete Valve Kit #09814

Item	Part #	Description	Qty.
34	07325	Discharge Spring Retainer	3
34A	07326-0100	Inlet Spring Retainer	3
35	07312-0100	Valve Spring	6
36	07327	Valve Plate	6
37	06014	Valve Seat	6
38	06015	O-Ring, Valve Seat	6
40	12057	O-Ring, Inlet Valve Retainer	3
42	07332	O-Ring, Inlet Plug	3
44	07214	O-Ring, SP100W(HK)/SP200W	3
44	07035	O-Ring, SP351W	3

Inlet Valve Kit #09069

Item	Part #	Description	Qty.
34A	07326-0100	Inlet Spring Retainer	3
35	07312-0100	Valve Spring	3
36	07327	Valve Plate	3
37	06014	Valve Seat	3
38	06015	O-Ring, Valve Seat	3
40	12057	O-Ring, Inlet Valve Retainer	3
42	07332	O-Ring, Inlet Plug	3

Discharge Valve Kit #09068

Item	Part #	Description	Qty.
34	07325-0100	Discharge Spring Retainer	3
35	07312-0100	Valve Spring	3
36	07327	Valve Plate	3
37	06014	Valve Seat	3
38	06015	O-Ring, Valve Seat	3
44	07214	O-Ring, SP100W(HK)/SP200W	3
44	07035	O-Ring, SP351W	3

SP100W/SP100HK/SP200W/SP351W Torque Specifications

Pos.	Part #	Description	Lubrication Info	Thread	Torque Amount
7	07186	Oil Sight Glass Assembly	Loctite 5910	1” BSP	106 in.-lbs. (12 Nm)
9	01010	Screw		M8	221 in.-lbs. (25 Nm)
11	07109	Oil Drain Plug		1/2” BSP	29 ft.-lbs. (40 Nm)
16	07114	Screw and Washer		M8	132 in.-lbs. (15 Nm)
20A	05349	Inner Hexagon Screw		M6	106 in.-lbs. (12 Nm)
24B	08399	Tension Screw	Loctite 243	M8	247 in.-lbs. (28 Nm)
26	07318	Radial Shaft Seal	Loctite 403		
41	07331	Plug, SP100W/SP200W		M36x1.5	51 ft.-lbs. (70 Nm)
41	07331	Plug, SP351W		M36x1.5	59 ft.-lbs. (80 Nm)
43	07213	Plug, Inlet, SP100W/SP200W		M30x1.5	51 ft.-lbs. (70 Nm)
43	06820	Plug, Inlet, SP351W		3/4” BSP	59 ft.-lbs (80 Nm)
45	07333	Stud Bolt	Loctite 270		
46	07158	Nut, Stud Bolt		M12	59 ft.-lbs. (80 Nm)