

## P470A/P490A 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	08377	Crankcase	1	21	06929	Seal Case	3
2	08378	Oil Fill Plug with Gasket	1	21A	07150	O-Ring	6
3	06479	Crankcase Cover	1	22	06930	Valve Holder	3
3A	07186	Oil Sight Glass w/Gasket	1	23	06931*	Grooved Seal, Brown	3
4	08380	O-Ring	1	23A	03686	Grooved Seal, Black	3
5	07109	Oil Drain Plug	1	24	06932	Support Ring	3
5A	06015	O-Ring	1	25	06933	Intermediate Casing (P470/P490)	1
5B	08092	Plug with Gasket	1	25	06933-7000	Intermediate Casing (P470-7000/P490-7000)	1
6	01010	Screw	4	25A	05934	Thread Plug	2
6A	01011-0400	Spring Washer	4	25B	02009	O-Ring	2
7	04739	Bearing Cover, Open	1	26	06935	Valve Casing (P470/P490)	1
8	05291	Bearing Cover, Closed	1	26	06935-7000	Valve Casing (P470-7000/P490-7000)	1
8A	05292	Shim, 0.1 mm	1-6	27A	04365	Valve Assembly	6
9	01016	O-Ring	2	27	06937	Valve Seat	6
10	07114	Screw with Washer	8	28	06938	Valve Plate	6
11	07459	Radial Shaft Seal	1	29	06959	Valve Spring	6
12	05350	Bearing	2	30	06939	Valve Spring Retainer	6
13	04741	Crankshaft (P470)	1	31	07212	O-Ring	6
13	04740	Crankshaft (P490)	1	32	08373	Plug (P470/P490)	3
13A	04742	Spacer Ring	1	32	08373-0700	Plug (P470-7000/P490-7000)	3
14	08091	Fitting Key	1	33	07214	O-Ring	3
15	08390	Connecting Rod Assy.	3	34	06494	Cap Screw	8
15B	05349	Connecting Red Screw	3	36	07703	Plug, 3/4" BSP (P470/P490)	3
15C	05348	Adapter Sleeve	3	36	07703-0700	Plug, 3/4" BSP (P470-7000/P490-7000)	3
16	05933	Plunger Assembly	3	36A	04529	Copper Ring	3
16A	05352	Plunger Base	3	<p><b>*Important!</b> If the pump is not used for a long period of time, it is possible the seals (23) could become hard or brittle thus causing the pump to leak when put into operation. If this is the case we recommend these seals be replaced every 4 years.</p>			
16B	06927	Plunger Pipe	3				
16D	08399	Tension Screw	3				
16E	07023	O-Ring	3				
16F	07203	Support Ring	3				
16G	07258	Copper Gasket	3				
17	06790	Crosshead Pin	3				
19	08366	Oil Seal	3				
20	06928	Seal Adapter	3				
20A	08059	O-Ring	3				

## P470A/P490A REPAIR KITS

### Plunger Packing Kit, #09565A

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
20A	08059	O-Ring	3
21A	07150	O-Ring	6
23	06931	Grooved Seal, Brown	3
23A	03686	Grooved Seal, Black	3
24	06932	Support Ring	3
25B	02009	O-Ring	2

### Valve Assembly Kit, #09566

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
27A	04365	Valve Assembly	6
31	07212	O-Ring	6
33	07214	O-Ring	3

### Oil Seal Kit, #09306

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
19	08366	Oil Seal	3