

Troubleshooting

Before attempting to service your pump, be sure that it is disconnected from all energy sources.

Symptom	Probable Cause(s)	Corrective Action
<i>Pump does not prime</i>	Leak in suction line	Check hose and fittings for leaks and correct
	Obstruction in suction line	Inspect hose for obstructions and remove
	Suction hose stuck to tank	Cut a notch or "V" in end of suction hose
	Clogged strainer	Check strainer and clean regularly
<i>Low discharge</i>	Blocked suction hose	Inspect suction hose and repair as necessary
	Pump worn	Repair pump
	Undersized suction line	See Installation
<i>Pump will not turn</i>	Impeller plugged	Inspect and clear obstruction

Replacement Parts

The following drawings show the pumps and their replacement parts. **Only genuine replacement parts should be used, failure to follow this warning can result in damage to property, serious injury or death.** If the pump malfunctions or is defective it should be sent back to Hypro for service.

9006P-0, 9008P-0, 9016P-0, 9018P-0

NOTE: When ordering parts, give QUANTITY, PART NUMBER, DESCRIPTION, and COMPLETE MODEL NUMBER. Reference number are used ONLY to identify part in the drawing and are NOT to be used as order numbers.

Seal, O-Ring Repair Kit No. 3430-0333 consists of:

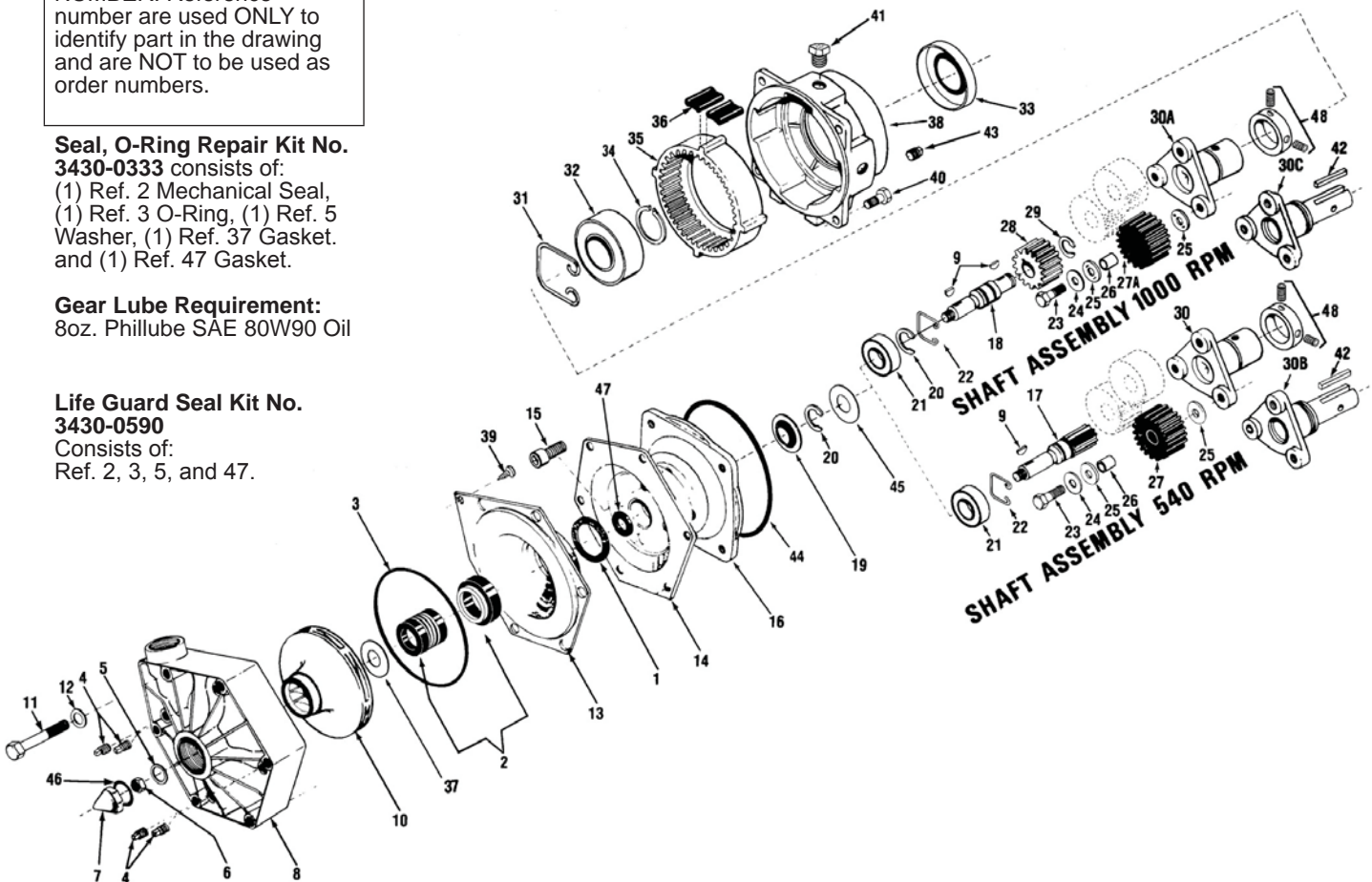
(1) Ref. 2 Mechanical Seal,
(1) Ref. 3 O-Ring, (1) Ref. 5 Washer, (1) Ref. 37 Gasket, and (1) Ref. 47 Gasket.

Gear Lube Requirement:

8oz. Phillube SAE 80W90 Oil

Life Guard Seal Kit No. 3430-0590

Consists of:
Ref. 2, 3, 5, and 47.



Ref. No.	Qty. Req'd.	Part No.	Description
1	1	1410-0082	Spacer
2	1	2120-0011	Mechanical Seal
3	1	1721-0083	O-Ring
4	4	2406-0016	Plug
5	1	2270-0057	Washer
6	1	2250-0051	Jam Nut
7	1	2250-0052	Impeller Nut
8	1	0700-9000P	Pump Casing
9	**	04432-SHW	Woodruff Key **(1) required for Model 9006P, (2) for Model 9008P
10	1	0403-9000P	Impeller (Polypropylene)
11	6	2210-0087	Capscrew
12	7	2270-0041	Washer
13	1	0750-9000P	Back Cover
14	1	0750-9006C	Flange
15	4	2220-0013	Capscrew
16	1	0752-9006C	Flange
17	1	0503-9000	Shaft (Model 9006P)
18	1	0504-9000	Shaft (Model 9008P)
19	1	2130-0018	Bearing Lip Seal
20	*	1810-0013	Retaining Ring *(1) required for 9006P (2) for 9008P
21	1	2008-0001	Ball Bearing
22	1	1820-0025	Retaining Ring
23	3	2210-0046	Capscrew
24	3	2270-0003	Washer
25	6	2265-0003	Thrustwasher
26	3	2007-0022	Bearing Inner Race
27	3	3900-0039	Driver Gear (Model 9006P) w/ bearing 540
27A	3	3900-0040	Driver Gear (Model 9008P) w/ bearing 1000
28	1	3900-0013	Sun Gear (Model 9008P)
29	1	1810-0011	Retaining Ring (Model 9008P)
30	1	0562-9000D	Driver Hub (9006P) 1-3/8" PTO 540 rpm
30A	1	0562-9002D	Driver Hub (9008P) 1-3/8" PTO 1000 rpm
30B	1	0501-9016D	Shaft (Solid) 540 rpm
30C	1	0501-9018D	Shaft (Solid) 1000 rpm
31	1	1800-0014	Retaining Ring
32	1	2005-0006	Ball Bearing
33	1	2102-0025	Oil Seal
34	1	1810-0001	Retaining Ring
35	1	3900-0009	Ring Gear
36	8	1450-0004	Cushion Bumper
37	1	1700-0101	Gasket
38	1	0754-9000C	Gear Casing
39	1	2210-0088	Hex Head Screw
40	4	2210-0026	Capscrew
41	1	2404-0193	Breather Vent
43	4	2406-0019	Oil Plug
44	1	1720-0139	O-Ring
45	1	1700-0098	Gasket
46	1	1700-0097	Gasket
47	1	1410-0083	Slinger Ring
48	1	3435-0058	Locking Collar Kit (hollow shaft only)
	3	2007-0052	Needle Bearing