



Fig. 3

SERVICE INSTRUCTIONS

These instructions cover service of the pump while installed. For easier handling, we recommend removing the pump from the tank and using a vise to hold it whenever it is possible.

— PUMP —

1) Replacement of Rotor, Vanes or Shaft Seal: Reference p. 4.

To prevent vanes from dropping thru inlet port, loosen pump cover screws (14). Hand hold pump cover (15) firmly against pump housing (4) and remove loosened screws. Slide pump cover aside partially exposing rotor (18) and transfer holding action from pump cover to rotor. Keep vanes (19) and rotor pressed fully in pump cavity while turning rotor to remove vanes. Remove vanes one at a time at 2 O'clock position. Remove key (17) and rotor. Replace in reverse order. Make sure outer edge of vanes slope away from direction of rotor rotation (counterclockwise).

With rotor removed, the 6 piece shaft seal (20-25) can be picked out with needlenose pliers. Replace in sequence shown in exploded view, p. 4.

2) Check Valve, Bypass, Strainer Service or Replacement:

For easier handling, remove hose and nozzle. Remove four screws (14) and lift pump housing (4) off; freeing bypass (12) and spring (13). Check valve assembly (11) and strainer (9) can be withdrawn from inlet cavity of base adapter (8) for cleaning or replacement. To reassemble, insert screen into inlet cavity followed by "O" ring (10) and check valve assembly (11). Lay gasket on base (8) oriented so shape of gasket matches pump housing and aligned to match screw holes. Place bypass spring (13) in recess in base and stack bypass valve on top of spring with closed end up. Thread bypass and spring into bypass cavity of pump housing during assembly of housing to base. If base (8) has been removed from tank, assemble by holding pump in vise upside down; insert bypass (closed end first) into cavity in pump housing; stack spring on bypass; use a small quantity of grease on check valve to hold it in position during assembly of base to housing. Hold base down against pump housing, align gasket with screw holes and replace screws.

ITEM	PART NO.	DESCRIPTION	REQ'D	ITEM	PART NO.	DESCRIPTION	REQ'D
1	03349	Top Cover	1	43	52692	Screw	1
2	03047	Adapter (Model 60)	1	44	64334	Switch (DPST)	1
3	26801	Gasket	2	45	46957	Switch Plate	1
4	03759	Pump Housing	1	46	39150	Lock Nut	1
5	51810	Machine Screw	12	47	39070	Keps Nut	2
6	63185	Wire Stop	1	48	69150	Wire Assembly	1
7	03476	Junction Box Cover	1	49	69149	Wire Assembly	1
8	03028	Base Adapter	1	50	69151	Wire Assembly	1
9	51586	Strainer	1	51	64352	Switch Cover Assembly (includes Items 52-57)	1
10	49066	"O" Ring	1	52	38920	Nylok Nut	1
	49067	"O" Ring (Model 66, 66X)	1	53	69687	Yoke	1
11	66686	Check Valve Assembly	1	54	67164	Spring Washer	1
12	66825	Bypass Valve	1	55	03469	Switch Cover	1
13	57394	Bypass Spring	1	56	43101	Switch Actuator Stop	1
14	51805	Machine Screw	6	57	54439	Switch Shaft	1
15	03488	Pump Cover	1	58	14697	Actuator	1
16	49061	"O" Ring	1	59	38920	Nylok Nut	1
	48844	"O" Ring (Model 66, 66x)	1	60	00328	Nozzle Boot	1
17	31316	Key	1	61	51865	Machine Screw	2
18	51482	Rotor	1	62	52090	Machine Screw	2
19	67018	Vane	5	63	03645	Flange Outlet	1
	32867	Seal Group (incl. Items 20-25). Specify if Herbicide (Models 66 & 66X)	1	64	27055	Gasket	1
20	57393	Spring	1	65	35800	Meter & Register Assembly	1
21	67166	Washer	1		35765	Meter & Register Assembly (Herbicide)	1
22	48842	"O" Ring	1	65A	48430	Register Assembly only (U. S. Gallons—Gasoline) Specify other measure	1
	48845	"O" Ring (Model 66, 66X)	1	66	52555	Screw	2
23	54133	Rotating Seal Ring	1	67	64842	Telescopic Suction	1
24	54131	Seal Ring	1	69	38475	Nozzle w/Hook	1
25	48843	"O" Ring	1		38471	Nozzle — Non-leaded	1
	48846	"O" Ring (Model 66, 66X)	1	73	30311	Hose — 12½'	1
26	15843	Brush Holder	1	74	17399	Cable Assembly (p. 2)	1
27	57395	Brush Spring	2	75	21730	Wire Connector (p. 2)	2
28	15844	Brush Assembly	2				
29	67163	Fiber Washer	2				
30	52706	Machine Screw	4				
31	10946	Armature Assembly (12V)	1				
	10947	Armature Assembly (24V)	1				
32	35174	Magnet Barrel Assembly	1				
33	68951	Bearing Spring	1				
34	03468	End Cover	1				
35	51282	Tie Rod	2				
36	52242	Locating Pin	1				
37	37744	Motor Protector & Switch Assembly (12V) (incl. Items 38-50)	1				
	37746	Motor Protector & Switch Assembly (24V) (incl. Items 38-50)	1				
38	31017	Housing — Motor Protector	1				
39	39055	Nut	1				
40	52707	Machine Screw	2				
41	37743	Motor Protector (12V)	1				
	37745	Motor Protector (24V)	1				
42	20896	Retaining Clip	1				