

Index No.	Part Number	Part Name or Description	Qty
12-			
1	M22689	Cover, Burner Housing	1
-	M11084-38	Screw	6
2	M23411-1	Motor Package Assembly (See Figure 14)	1
-	M13942-4	Wire Nut	1
3	M16661	Clamp, Motor	2
4	HC4-10C	Screw	1
5	WLM-4	Lockwasher	1
6	NPC-4C	Nut	1
7	M22733	Bracket, Motor Support	1
-	M12461-50	Screw	4
-	NTC-3C	Nut	4
8	M23428	Air Line (Pump to Solenoid)	1
9	M23435	Solenoid Valve	1
10	M23427	Air Line (Solenoid Valve to Nozzle Adapter)	1
11	M5976	Connector, Male	2
12	M23430	Hose, Combustion Air	1
13	M23432	Clamp, Hose	2
14	M10816G39	Electrode Lead Assembly	1
15	M15063	Transformer	1
-	M13942-4	Wire Nut	1
-	M12461-54	Screw	2
16	M23450	Spacer	2
-	NTC-3C	Nut	2
17	M16656G2	Photo Cell Assembly	1
18	M23443-1	Burner Head Assembly (See Figure 15)	1
-	M11084-3	Screw	5
19	M23425	Tube, Fuel Line	1
20	M5976	Connector, Male	2
-	M11271-5	Nut, Tinnerman Relay	1
21	M22744-1	Burner Housing	1
-	M11084-38	Screw	4
-	M11084-3	Screw	5
22	M5890	Grommet	4
23	M12462-6	Relay, Motor Start	1
-	NTC-3C	Nut	1
-	M12461-50	Screw	1
24	M14378G5	Relay Assy, Safety Control	1
-	M12461-2	Screw	1
25	M11952	Bracket, Relay	1
26	M12650-1	Capacitor	1
-	M9900-86	Wire Assembly (Need origin/destination)	1
27	M12651-1	Clamp	1
-	M12461-50	Screw	1
-	NTC-3C	Nut	1
28	SF4-2K	Setscrew	2
29	M22703	Extension, Motor Shaft	1
30	M23414	Blower Wheel (Combustion Air)	1
31	M23451-1	Blower Housing Assembly	1
-	M11084-38	Screw	6
32	M22681	Support, Burner Head	1
-	M12461-50	Screw	5
-	NTC-3C	Nut	5
33	M23424	Gasket, Combustion Chamber	1
34	M22680	Support, Blower Housing	1
-	M12461-50	Screw	2
-	NTC-3C	Nut	2
-	WL1-2C	Lockwasher, Relay	2
-	*RC-2C	Screw, Relay	2

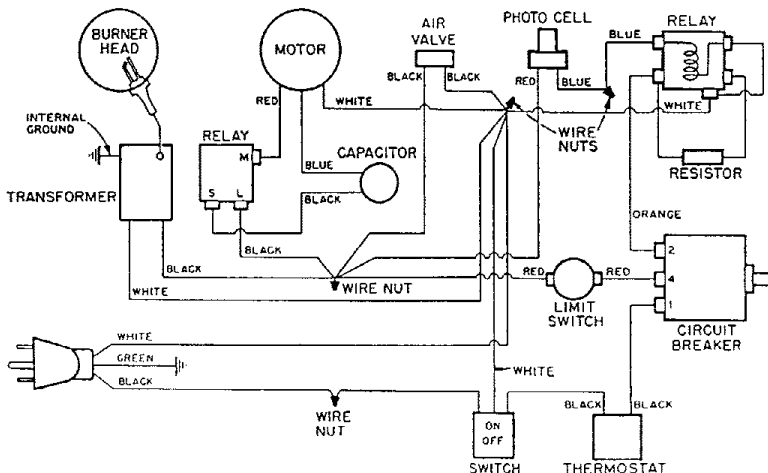


Figure 10. Wiring Diagram

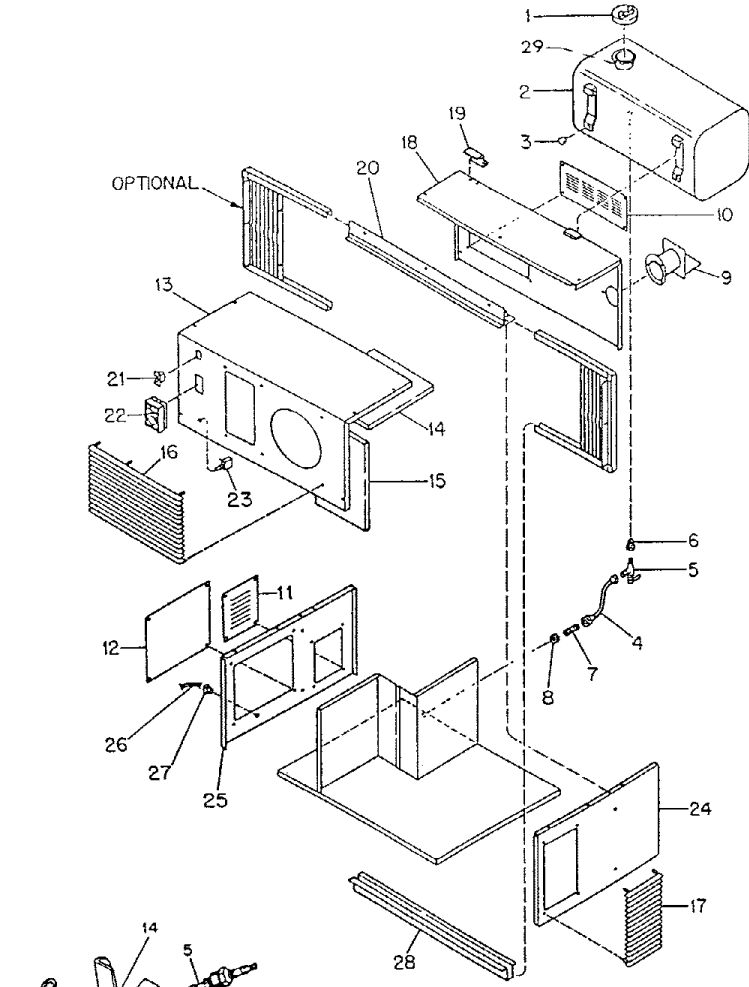
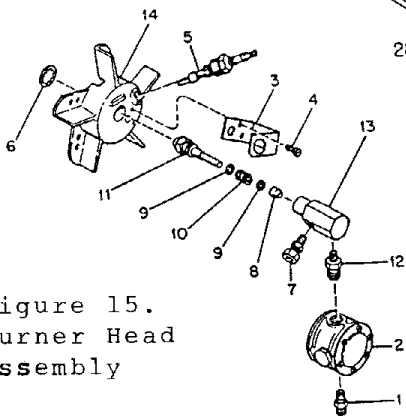


Figure 11.
Tank & Covers
Group

Figure 15.
Burner Head
Assembly



Index No.	Part No.	Part Name or Description	Qty
15-	M23443-1	Burner Head Assembly (See Figure 12)	Ref
1	69246	. . Fitting, Half Nipple	1
2	M12007	. . Regulator, Fuel Demand	1
3	M16660	. . Bracket, Photo Cell	1
4	M10908-1	. . Screw	2
5	M16895G1	. . Spark Plug	1
6	M16741-18	. . Ring, Retaining	1
-	M16787G5	. . Nozzle Adapter Assembly	1
7	M5976	. . Connector, Male	1
8	M8882	. . Sleeve, Nozzle Seal	1
9	M10659-1	. . Washer, Nozzle Seal	2
10	M10809-1	. . Spring, Nozzle Seal	1
11	M11054-1	. . Nozzle, Aspirating, 0.34 g.p.h.	1
12	69246	. . Fitting, Half Nipple	1
13	M16535	. . Adapter, Nozzle	1
14	M22732	. . Body, Burner Head	1

TANK AND COVERS GROUP

Index No.	Part Number	Part Name or Description	Qty
11-			
1	M23284	Cap, Filler Neck	1
2	M23405	Fuel Tank Assembly	1
3	M23442	Grommet, Bumper	2
4	M14977G1	Fuel Line Assy	1
5	M8795	Valve, Toggle	1
6	M2395	Bushing, Reducing	1
7	M23437	Connector, Fuel Line	1
8	M23438	Locknut, Connector	1
8A		Deleted	
9	M23455-1	Vent Stack Assembly	1
-	M11084-38	Screw	3
10	M23413	Cover, Louver	1
-	M11084-38	Screw	4
11	M22701	Cover, Pump	1
-	M11084-38	Screw	4
12	M22700	Cover, Frame	1
-	M11084-38	Screw	4
13	M22682A	Cover, Front	1
-	M11084-38	Screw	1
14	M23419	Pad, Heat Retardant (Top)	1
15	M23418	Pad, Heat Retardant (Front)	1
16	M23445-1	Grille, Front	1
-	M23461	Speed Nut	6
17	M23448	Grille, Side	1
-	M23461	Speed Nut	4
18	M22683	Cover, Rear	1
-	M11084-38	Screw	9
19	M23408	Support, Fuel Tank	2
-	M12461-50	Screw	4
-	NTC-3C	Nut	4
20	M22693-1	Support Retainer Assembly	1
-	M11084-38	Screw	2
21	M23444	Switch	1
-	M9900-87	Wire Assembly, Switch to thermostat (Black)	1
-	M9900-93	Wire Assembly, Switch to Solenoid Valve (White)	1
22	M23426	Thermostat	1
-	M9900-90	Wire Assembly	1
23	M14360	Circuit Breaker	1
24	M22678	Frame, R. H.	1
-	M12461-50	Screw	3
-	NTC-3C	Nut	3
25	M22679	Frame, L. H.	1
-	M12461-50	Screw	3
-	NTC-3C	Nut	3
26	M10813G47	Extension Cord Assy	1
27	M11143-1	Bushing, Strain Relief	1
-	M13942-2	Wire Nut	1
28	M23627	Guide, Closure	1
-	M17081	Decal, AtoMaster	1
-	M18196	Decal, Manufactured by	1
-	M23496	Decal, Nameplate	1
-	M23498-1	Decal, Model	1
-	M23452	Wiring Diagram	1
29	M18053	Filler Screen	1

Index No.	Part Number	Part Name or Description	Qty
13-			
1	M23434	Coupling, Shaft	1
2	M22702	Bracket, Bearing	2
-	M11084-38	Screw	4
3	M23433	Bearing, Blower	2
-	M12461-51	Screw	4
-	NTC-3C	Nut	4
4	M23417	Wheel, Blower (Heat Exchanger)	1
4A	M24167	Ring, Inlet with mtg screws	2
5	M22704	Shaft, Blower	1
6	M22731	Housing, Blower	1
-	M11084-38	Screw	4
7	M22684	Support, Heat Exchanger	1
-	M12461-50	Screw	2
-	NTC-3C	Nut	2
8	M22619	Ring, Cover	1
-	M11084-38	Screw	4
9	M23420	Heat Deflector, Top	1
-	M11084-38	Screw	2
10	M12303-3	Limit Switch	1
11	M23436	Spacer	2
-	M12461-16	Screw	2
-	NTC-2C	Nut	2
-	M9900-88	Wire Assy, Limit Switch to Junction	1
-	M9900-89	Wire Assy, Limit Switch to Circuit Breaker	1
12	M22645	Cone, Nose	1
-	M11084-38	Screw	4
13	M22685	Cover, Top	1
-	M12461-14	Screw	7
-	NTC-2C	Nut	7
14	M22716-1	Heat Exchanger Assembly	1
15	M22686	Cover, Bottom	1
16	M23421	Heat Deflector, Bottom	1
-	M11084-38	Screw	2
17	M22677-1A	Base Assembly	1

Index No.	Part Number	Part Name or Description	Qty
14-			
-	M23411-1	Motor Package Assembly (See Figure 12)	Ref
-		Pump and Filter Parts Package	1
1	M16545	.. End Cover, Filter	1
2	M12461-31	.. Screw	4
3	WLI-3	.. Lockwasher	4
4	M12179	.. Intake Air Filter	1
5	M12244G1	.. Output Filter Assembly	1
6	M11637	.. Lint Filter	1
7	M12233	.. End Cover, Pump (Port plate)	1
8	M12461-32	.. Screw (End cover to motor)	6
9	WLI-3	.. Lockwasher	6
10	M8643	.. Blade	4
11	M22456-1	.. Rotor	1
12	M22009	.. Insert	1
13	M8645	.. Pump Body	1
14	FHPF3-4C	.. Screw (Pump body to motor)	2
15	M5976	.. Connector, Male	1
16	M22997	.. Plug, Hex hd	1
17	M23105	.. Screw, Pressure Adjusting	1
18	M10993-1	.. Spring, Compression (Pressure relief)	1
19	M8940	.. Ball, Steel (1/4 in. dia.)	1
20	M23412	.. Motor, 115v., 60 cycles	1

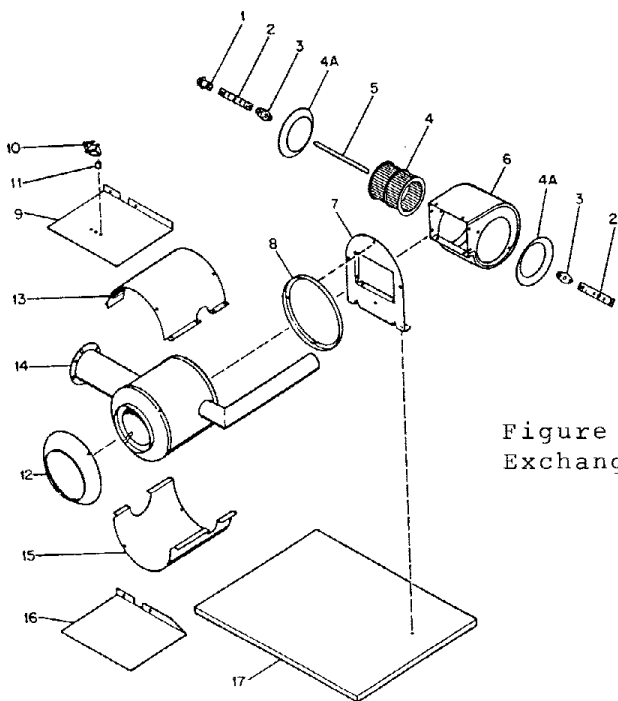


Figure 13. Heat Exchanger Section

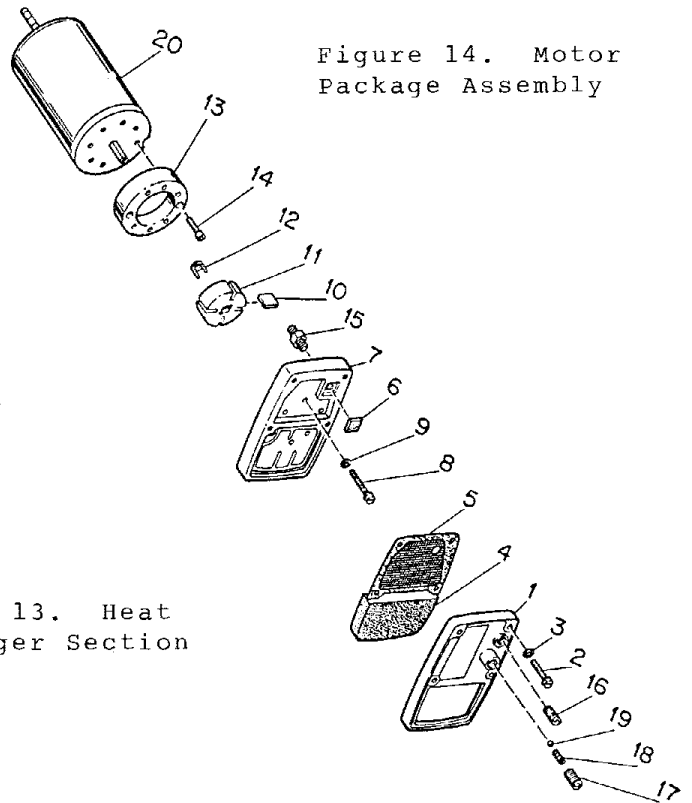


Figure 14. Motor Package Assembly