

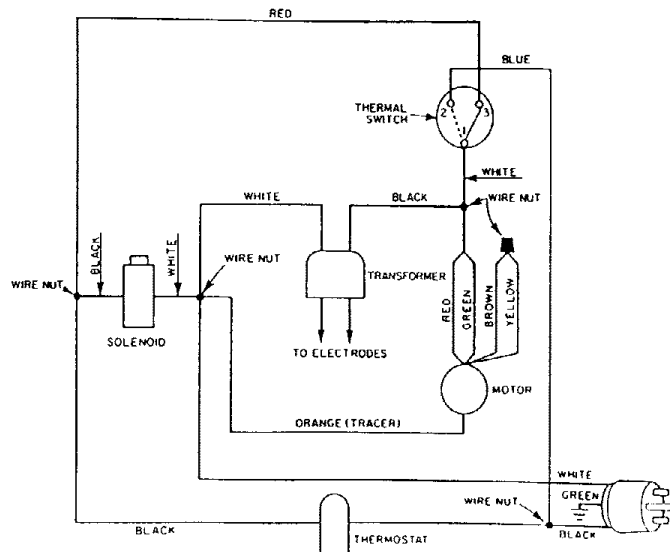
MODEL F220 HEATER, GENERAL ASSEMBLY

Index No.	Part Number	Description	Quan.	Index No.	Part Number	Description	Quan.
1	M18089C	Nose Cone	1	23	M5895	Switch, Thermal	1
	M11084-27*	Screw, No. 10-12 x 1/2 in. (Nose Cone to Outer Shell)	6		ST2-8AC*	Screw, No. 8-15 x 1 inch (Thermal Switch Attaching)	2
2	M18085C	Shell, Outer	1	24	M18867	Spacer	2
3	M11084-27*	Screw, No. 10-12 x 1/2 in. (Shell to Tank)	4	25	M17696	Thermostat Assy (See figure 5)	REF
4	M3530	Grommet	4		ST1-2BC*	Screw, No. 6-18 x 1/4 in. (Thermostat to Bracket)	4
5	M18087C	Cover, Outer Shell	1	26	M15814A	Bracket, Thermostat	1
	M11084-27*	Screw, No. 10-12 x 1/2 in. (Cover to Outer shell)	4		M11084-27*	Screw, No. 10-12 x 1/2 in. (Thermostat Bracket to Outer Shell)	2
6	M11271-6	Nut, Tinnerman	4	27	M19516A	Handle, Front	1
	M18915	Deflector, Heat	1	28	M19515A	Handle, Rear	1
	M12461-26*	Screw, No. 10-32 x 3/8 in. (Outer Shell to Combustion Chamber)	6		M12345-49*	Screw, No. 10-24 x 2-1/4 in. (Handle to Fuel Tank)	8
	WP-3C*	Washer, Flat No. 10	6		NTC-3C*	Nut, Torque Lock, No. 10-24	8
7	M18773-2	Combustion Chamber	1	29	M3334-12	Fuel Line Assy	1
7A	M21329	Heat Deflector, Bottom	1	-	M3334-10	Fuel Line Assy	1
8	M18768	Plate, Deflector	1	30	M18919-1	Fuel Intake Tube	2
	M11084-27*	Screw, No. 10-12 x 1/2 in. (Deflector Plate to Combustion Chamber)	8	31	M23284	Cap, Filler	1
9	M18777-1	Nozzle and Electrode Adapter assembly (Burner)	1	32	M18053	Screen, Fuel Filler Neck	1
10	M16741-18	Retaining Ring, Nozzle	1	33	M18298-2A	Fuel Tank	1
11	M3981	Electrode	2	34	1000576	Grommet	1
12	M18712	Bushing, Electrode	2	35	M8257	Plug, Pipe	1
	M12461-14*	Screw, No. 8-32 x 3/8 in. (Electrode Clamping)	2	36	M18519A	Frame, Wheel Support	1
13	M18775	Bracket, Nozzle	1	37	C5-10C*	Pin, Cotter, 5/32 x 1-1/4 in.	2
14	M18876	Nozzle	1	38	WP-10C*	Washer, Flat, 5/8 in.	4
15	M4274	Spring	1	39	M8111	Wheel	2
16	M18776	Adapter	1	40	M18774	Axle	1
17	69248*	Elbow	1	41	M18764-1A	Motor Bracket Assy	1
	M11084-27*	Screw, No. 10-12 x 1/2 in. (Burner Mounting)	2		M11084-27*	Screw, No. 10-12 x 1/2 in. (Motor Bracket to Fuel tank)	8
18	M10816-33	Electrode Lead	2	42	M27827-3	Transformer	1
18A	M18877	Fuel Line, Pump to Nozzle	1		WLM-4C*	Washer, Lock, 1/4 in.	2
19	M22905	Support, Cover	1		NPC-4C*	Nut, Hex, 1/4-20	2
	M12461-26*	Screw, No. 10-32 x 3/8 in. (Support to Outer Shell)	5	43	M10813-24	Extension Cord	1
20	M18878	Fan	1	44	M3011	Box, Switch	1
20A	M21964	Key, Fan Locating	1		M12461-27	Screw, 10-32 x 1/2	2
21		Motor and Pump Assembly (See Figure 4)	N/A		NTF-3C	Nut, Lock, 10-32	2
	HC5-4C*	Screw, 5/16-18 x 2 in. (Motor Mounting)	6		M13942-2	Connector, Wire	1
	NTC-5C*	Nut, Torque Lock, 5/16-18	6		M13942-4	Connector, Wire	4
22	M21788-1	Wire Harness Assy (to Thermal Switch)	1	45	M6306	Cover, Switch Box	1
				46	M21786A	Bracket, Switch Box	1
				47	M5889	Grommet	1
				48	1000576	Grommet	5

N/A Not available as an assembly. Order individual part.

* Standard hardware, obtainable locally.

Figure 2. Wiring Diagram



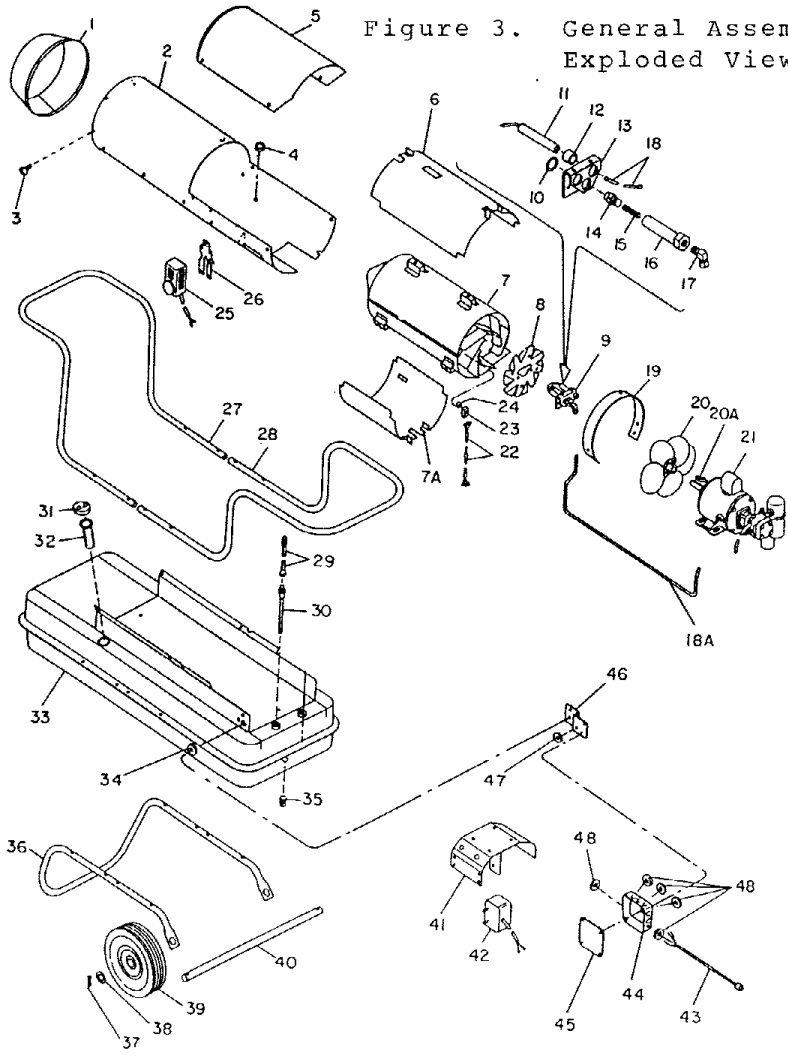


Figure 3. General Assembly Exploded View

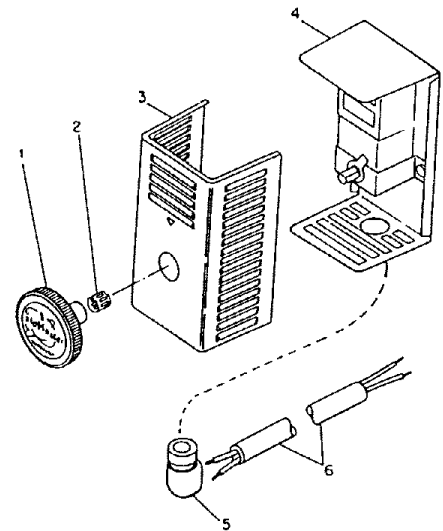


Figure 5. Thermostat Assembly

Index No.	Part Number	Description	Quan.
	M17696	Thermostat Assy (See Figure 3, Index No. 25)	1
	M18016G1	Thermostat Assy (Less Cable)	1
1	M16152	Knob, Thermostat	1
2	M16154	Spring, Thermostat Knob	1
3	M16147	Cover, Thermostat	1
4	M18021G1	Thermostat Back and Element Assy	1
5	M11954	Bushing, Strain Relief	1
6	M17063G16	Cable Assy	1

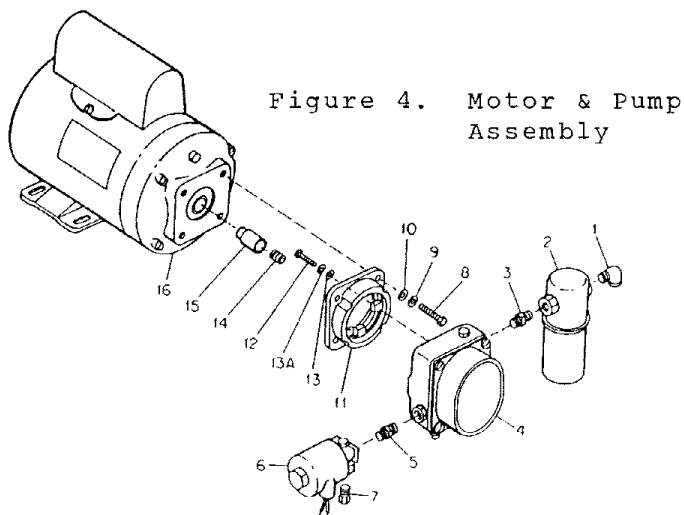


Figure 4. Motor & Pump Assembly

Figure 4. Motor & Pump Assembly

Index No.	Part Number	Description	Quan.
4-		Motor and Pump Assy	N/A
1	57413	Elbow, Street 1/4 in.	2
2	M3973	Filter, Fuel	1
	M4307	Filter Can	1
	M3301-2	Filter Gasket	1
	M3301	Filter Element	1
3	M3463	Nipple	1
4	M22872-2	Pump, Fuel	1
5	69246	Nipple, Pipe 1/8 in.	1
6	M3974-2	Valve, Solenoid	1
7	1000513	Connector, Male	1
8	*HC5-7C	Screw, Hex hd, 5/16-18 x 3/4 in	4
9	*WLM-5C	Lockwasher 5/16 in.	4
10	*WP-5C	Washer, Plain 5/16 in.	4
11	M22348	Adaptor	1
12	*RF3-6	Screw, Rd. hd, No. 10-32 x 3/4 in	3
13	*WLM-3	Lockwasher No. 10	3
13A	WP-3C	Washer, Plain	3
14	M18436	Spring	1
15	M22873	Coupling	1
16	M18894-2	Motor	1
	M3486-3	Tubing, Varnish, Solenoid leads	1