

**OPERATING INSTRUCTIONS AND OWNER'S MANUAL****MR.HEATER**

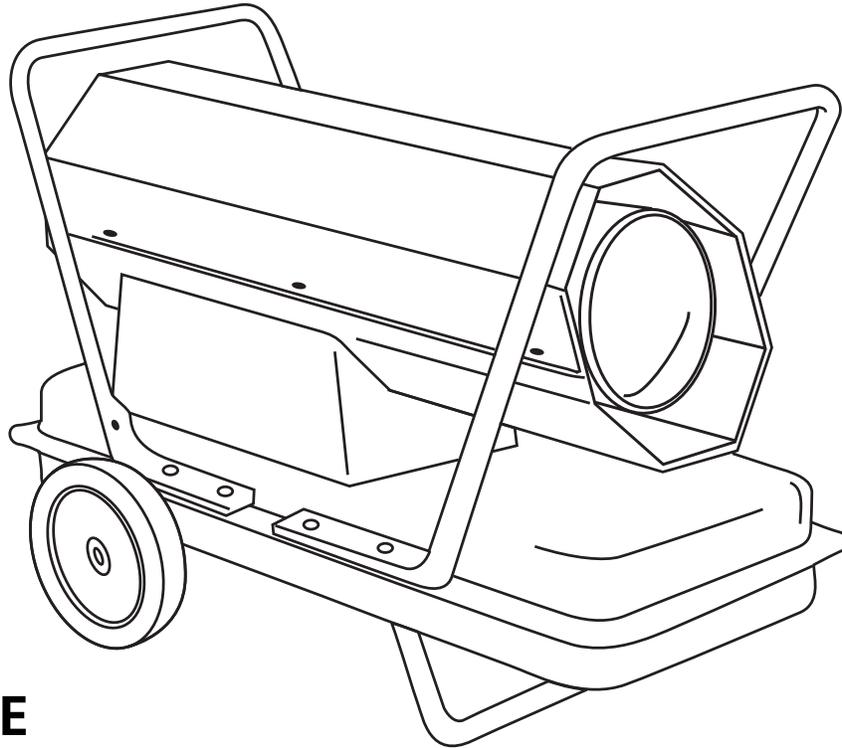
MODEL

MH50KT, MH75KT,  
MH125KT, MH175KT,  
MH210KT

**READ INSTRUCTIONS CAREFULLY:** Read and follow all instructions. Place instructions in a safe place for future reference. Do not allow anyone who has not read these instructions to assemble, light, adjust or operate the heater.

**HEATSTAR**

MODEL

HS50KT, HS75KT,  
HS125KT, HS175KT,  
HS210KT**KEROSENE  
FORCED-AIR HEATER**

**⚠ WARNING:** If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Service must be performed by a qualified service agency.

This is an unvented portable heater. It uses air (oxygen) from the area in which it is used. Adequate combustion and ventilation air must be provided. Refer to page 3.



UL-733, &amp;CSA/CAN3-B140.9.3



**⚠ WARNING:** YOUR SAFETY IS IMPORTANT TO YOU AND TO OTHERS, SO PLEASE READ THESE INSTRUCTIONS BEFORE YOU OPERATE THIS HEATER.

**⚠ WARNING:** NOT FOR HOME OR RECREATIONAL VEHICLE USE

**GENERAL HAZARD WARNING:**

- ⚠ FAILURE TO COMPLY WITH THE PRECAUTIONS AND INSTRUCTIONS PROVIDED WITH THIS HEATER, CAN RESULT IN DEATH, SERIOUS BODILY INJURY AND PROPERTY LOSS OR DAMAGE FROM HAZARDS OF FIRE, EXPLOSION, BURN, ASPHYXIATION, CARBON MONOXIDE POISONING, AND/OR ELECTRICAL SHOCK.
- ⚠ ONLY PERSONS WHO CAN UNDERSTAND AND FOLLOW THE INSTRUCTIONS SHOULD USE OR SERVICE THIS HEATER.
- ⚠ IF YOU NEED ASSISTANCE OR HEATER INFORMATION SUCH AS AN INSTRUCTIONS MANUAL, LABELS, ETC. CONTACT THE MANUFACTURER.

**⚠ WARNING:** FIRE, BURN, INHALATION, AND EXPLOSION HAZARD. KEEP SOLID COMBUSTIBLES, SUCH AS BUILDING MATERIALS, PAPER OR CARDBOARD, A SAFE DISTANCE AWAY FROM THE HEATER AS RECOMMENDED BY THE INSTRUCTIONS NEVER USE THE HEATER IN SPACES WHICH DO OR MAY CONTAIN VOLATILE OR AIRBORNE COMBUSTIBLES, OR PRODUCTS SUCH AS GASOLINE, SOLVENTS, PAINT THINNER, DUST PARTICLES OR UNKNOWN CHEMICALS.

The State of California requires the following warning:

**⚠ WARNING:** COMBUSTION BY-PRODUCTS PRODUCED WHEN USING THIS PRODUCT CONTAIN CARBON MONOXIDE, A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS (OR OTHER REPRODUCTIVE HARM).

**⚠ WARNING:**

- DO NOT USE GASOLINE, NAPHTHA OR VOLATILE FUELS.
- STOP HEATER BEFORE ADDING FUELS.
- ALWAYS FILL OUTDOORS AWAY FROM OPEN FLAME
- DO NOT USE EXTERNAL FUEL SOURCE.
- DO NOT OPERATE HEATER WHERE FLAMMABLE LIQUIDS OR VAPORS MAY BE PRESENT.
- DO NOT START HEATER WHEN CHAMBER IS HOT
- DO NOT START HEATER WHEN EXCESS FUEL HAS ACCUMULATED IN THE CHAMBER.
- DO NOT PLACE COOKING UTENSILS ON TOP OF THE HEATER.
- PLUG ELECTRICAL CORD INTO A PROPERLY GROUNDED THREE-PRONG RECEPTACLE.

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**⚠ 50K & 75KT WARNING:**

**Not suitable for use on wood floors or other combustible materials. When used the heater should rest on a suitable insulating material at least 1 inch thick and extending 3 feet or more beyond the heater in all directions.**

# SPECIFICATIONS

Type of Fuel: For use with Kerosene or #1 Fuel Oil ONLY on ALL models.

Model	50K	75KT	125KT	175KT	210KT
Burn Rate:	50,000 Btu/hr (22 kW)	75,000 Btu/hr (22 kW)	125,000 Btu/hr (37 kW)	175,000 Btu/hr (51 kW)	210,000 Btu/hr (61.5 kW)
Fuel Rate:	0.37 gal/hr (1.4 L/hr)	0.55 gal/hr (2.1 L/hr)	0.96 gal./hr (3.5 L/hr)	1.3 gal/hr (5.0 L/hr)	1.6 gal/hr (6.0 L/hr)
Electrical Input:	115V, 60Hz, 3.5a	115V, 60Hz, 4a	115V, 60Hz, 5.5a	115V, 60Hz, 5.5a	115V, 60Hz, 5.5a
Line Protection:	10 amps	10 amps	20 amps	20 amps	20 amps
Min. Operating Voltage:	110V	110V	110V	110V	110V
Pressure Setting:	3.5 psig (24 kPa)	4.2 psig (29 kPa)	5.0 psig (34 kPa)	7.5 psig (51.7 kPa)	8.5 psig (58.6 kPa)
Max. Outlet Temperature:	1300°F (704°C)	1300°F (704°C)	1300°F (704°C)	1300°F (704°C)	1300°F (704°C)
Fuel Tank Capacity:	4 gallons (15.1 L)	6 gallons (22.7 L)	14 gallons (53 L)	14 gallons (53 L)	14 gallons (53 L)
Ignition:	Direct Spark, Continuous	Direct Spark, Continuous	Direct Spark, Continuous	Direct Spark, Continuous	Direct Spark, Continuous
Spark Generator:	Igniter 13 kV, 10ma	Igniter 13 kV, 10ma			
Primary Safety Control:	Solid State Control	Solid State Control	Solid State Control	Solid State Control	Solid State Control
Certification:					

## OPERATING PRECAUTIONS

This is a multi-fuel, direct-fired, forced air heater. It's intended use is primarily temporary heating of buildings under construction, alteration or repair.

1-K kerosene is the recommended fuel due to the refinement to eliminate contaminants. Other fuels such as #1 or #2 fuel oil, JP8, and #1 and #2 diesel can be used but, do not burn as clean as 1-K kerosene. Additional ventilation should be considered when using fuels other than 1-K kerosene.

Direct-Fired means that all of the combustion products enter the heated space. Even though this heater operates very close to 100 percent combustion efficiency, it still produces small amounts of carbon monoxide. Carbon monoxide (called CO) is toxic. CO can build up in a heated space and failure to provide adequate ventilation could result in death. The symptoms of inadequate ventilation are:

- headache
- dizziness
- burning eyes and nose
- nausea
- dry mouth or sore throat

Be sure to follow advice about ventilation in the Safety Precautions section.

Forced Air means that a blower or fan pushes the air through the heater. Proper combustion depends upon this air flow; therefore, the heater must not be revised, modified or operated with parts removed or missing. Likewise, safety systems must not be circumvented or modified in order to operate the heater.

When the heater is to be operated in the presence of other people the user is responsible for properly acquainting those present with the safety precautions and instructions, and of the hazards involved.

## SAFETY PRECAUTIONS

1. Check the heater thoroughly for damage. DO NOT operate a damaged heater.
2. DO NOT modify the heater or operate a heater which has been modified from its original condition.
3. Use Kerosene, JP8 Jet Fuel, #1/#2 Diesel, or #1/#2 Fuel oil. **Never use gasoline, naphtha, paint thinner, alcohol or any other non-approved fuels.**
4. For indoor use only. Not for use where exposed to weather.
5. Use in well ventilated areas, provide at least 2 sq. ft. (0.19 sq. m.) of opening near the floor and 2 sq. ft. (0.19 sq. m.) near the ceiling directly to outdoors. Increase air openings as marked for each additional heater.

6. Always keep combustibles, like paper and wood at least 8 ft. (2.4 m) from the heater outlet and 3 ft. (1.0 m) from the top, sides and inlet. Locate 10 ft. (3.0 m) from canvas or plastic coverings and secure them to prevent flapping movement.
7. Caution: Due to the high surface and exhaust temperatures, adults and children must observe clearances to avoid burns or clothing ignition. Do Not Touch. Keep children, clothing, and combustible away.
8. Install the heater such that it is not directly exposed to water spray, rain and / or water.
9. Never use in areas normally for habitation and /or where children may be present.
10. Operate only on a stable, level surface. (MH50K & MH75KT – See wood floor warning).
11. Do not use with duct work. Do not restrict inlet or exit.
12. Use only with electrical power specified. The electrical connection and grounding must comply with National Electrical Code – ANSI/NFPA 70 (USA) and CSA C22.1 Canadian Electrical Code, Part 1 (Canada).
13. Use only a properly grounded 3-prong receptacle or extension cord.
14. Do not move, handle, or service while hot or in operation.
15. Use only in accordance with local, state (provincial) or national requirements, ordinances and codes.

## OPERATING INSTRUCTIONS

### UNPACKING

1. Remove heater from carton.
2. Remove all protective material which may have been applied to the heater for shipment.
3. Check the heater for possible shipping damage. If any damage is found immediately contact the manufacturer at 800-251-0001.

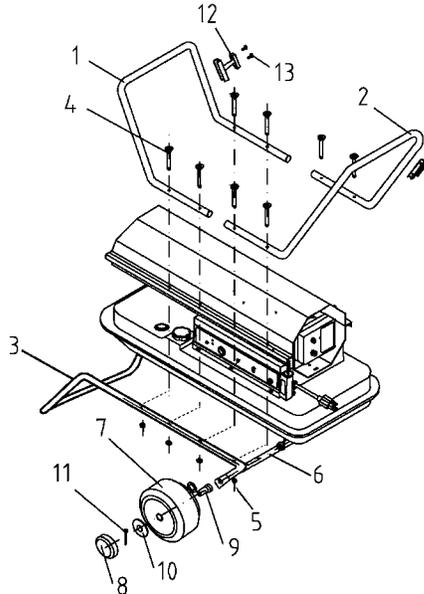
### ASSEMBLY (For 125,000, 175,000 and 210,000 BTU/hr models only)

Wheels and handles are found in the shipping carton along with mounting hardware. The wheels, axle and mounting hardware are in a package. Tools required are a 5/16" nutdriver, 3/8" open or adjustable wrench and standard pliers.

1. Assemble the wheels onto the wheel support frame as follows:
  - a. Install one of the cotter pins into the hole on one end of axle.
  - b. Slide the large washer, then wheel onto the axle next to the cotter pin.

- c. Slide a small washer, spacer, small washer onto the axle next to the wheel.
  - d. Slide the partially assembled axle through the wheel support frame.
  - e. Slide the small washer, spacer, and small washer onto the axle next to the wheel support.
  - f. Slide the wheel then large washer onto the axle and hold in place with the remaining cotter pin.
  - g. Install the caps over the larger washers to finish the wheel assembly.
2. Position the heater on the wheel support frame assembly with the exit opposite the wheels.
  3. Use eight screws and nuts to attach the handles to the top of the tank flange. The screws will go through the handles, tank flange and wheel support frame. Install the nuts and finger tight only until all nuts are installed.
  4. Tighten all the nuts.
  5. Attach cord caddies to handles using No. (4) & No. (5) screws and nuts.

Handle assembly for 125KT, 175KT & 210KT only.



\* Pkg Of Nuts & Bolts Included

ITEM	PART NO.	DESCRIPTION	QTY
1	24338	Handle, Front	1
2	24338	Handle, Rear	1
3	24339	Wheel Support Frame	1
4	26977	Machine Screw Blk (long)	8
5	26037	Kep Nut Blk	12
6	28746	Axle (125KT - 175KT)	1
	28761	Axle (210KT only)	1
7	28752	Wheel (8" Dia.)	2
	22110	Wheel (13" Dia. 210KT only)	2
8	28751	Cap	2
9	28748	Spacer (125KT - 175KT)	2
	28762	Spacer (210KT only)	2
10	28749	Washer, Large	2
11	28750	Cotter Pin	2
12	28754	Ext. Cord Caddy	2
13	27336	Machine Screw Blk (Small)	4

## PREPARING FOR OPERATION

1. Check the heater for possible shipping damage. If any is found, *immediately* contact the manufacturer at 800-251-0001.
2. Follow all of the "Precautions".
3. Fill the fuel tank with clean kerosene, JP8 Jet Fuel, #1/#2 Diesel or #1/#2 Fuel Oil. In extremely cold weather, condensation may develop in the tank and it is recommended that a tablespoon of de-icer be added for each gallon (4 liters) of fuel in the tank. When filling the heater, use at least 2 gallons (8 liters) of fuel. Be sure heater is level and do not overflow. Use a funnel or can with a long fill spout.

### IMPORTANT: Before filling fuel tank the first time or after extended storage periods, drain the fuel tank of any moisture or condensation.

4. Locate heater at a safe distance from combustible materials. Models 50K & 75KT are not suitable for use on wood floors or other combustible materials. When used, the heater should rest on suitable insulating material at least 1 inch thick and extending 3 ft. or more beyond the heater in all directions.

## HEATER START UP

1. **50K:** Plug the heater into a grounded 115V, 60 Hz, 1 Ø outlet.

**75KT, 125KT, 175KT & 210KT:** Turn thermostat to lowest setting, make sure "On/Off" switch is "Off". Plug the heater into a grounded 115V, 60 Hz, 1 Ø outlet.

Turn thermostat to highest setting. Start heater by pushing toggle switch to "On" position (light signifies switch is in "ON" position). Adjust thermostat to desired setting. Heater will cycle on/off as heat is required.

### For all models:

- In cold weather (below 10° F), starting may be improved by holding a finger over the vent hole of the pump adjustment screw cap until the heater starts.
- This unit is equipped with an interrupt circuit. The reset is located near the power cord. If the unit does not start, press the reset button.

## HEATER SHUT DOWN

1. **50K:** Unplug heater from power source.  
**75KT, 125KT, 175KT & 210KT:** Push "On/Off" switch to "Off" position. For extended shutdown, unplug heater from power source.

## RESTART AFTER DIAGNOSTIC SAFETY SHUTDOWN (50K, 75KT, 125KT, 175KT & 210KT) See page 7

1. Wait 5 minutes.
2. Press reset button.

## MAINTENANCE AND STORAGE

**WARNING.** To prevent personal injury, unplug the heater from the wall outlet before servicing.

For maximum efficiency and trouble-free service, make the following periodic maintenance, cleaning and inspections.

### DAILY SCHEDULE

1. **GENERAL.** Make general visual inspection of heater for loose or damaged parts. Check nuts and bolts to insure against looseness caused by vibration or rough handling. Damaged parts should be repaired or replaced before using heater again. Check heater operation to be sure it is operating normally (See "Servicing" section for description of normal operation).
2. **FILTERS.** Dirty air or fuel filters will cause an imbalance in the air-fuel mixture. The best indication that this condition exists is an increase in odors or difficulty getting your heater to ignite. This heater should never be operated without the filters in place. If required, clean filters as described under "500 Hours" and "Annual Schedules".

### 500 HOUR SCHEDULE

1. **AIR INTAKE FILTER.** Remove and wash the filter element with a mild detergent, dry thoroughly and replace. Do not oil the filter element. If your heater is used where there is considerable dust or dirt, clean as often as necessary (approximately every 50 hrs.).
2. **REMOVE DUST.** Clean heater twice a season (more often under dusty conditions). Remove accumulated dust from the transformer, burner, motor and fan blades with compressed air. Wipe area clean with a clean dry cloth. Inspect area to insure all foreign materials are removed, especially around the burner and combustion area.
3. **CAD CELL.** Clean the glass portion of the cad cell with a soft dry cloth.
4. **NOZZLE.** Accumulation of dirt from fuel and carbon from the compressor vanes will eventually fill up the passages in the nozzle, resulting in reduction of fuel and air flow. Pressure will gradually increase giving improper fuel-air mixture and excess odor and smoke. If this occurs, replace the fuel nozzle.
5. **FUEL TANK.** Clean twice a season (during frequently used periods, clean twice a month). Drain and flush the fuel tank with clean fuel oil.

### ANNUAL SCHEDULE

1. **AIR OUTPUT FILTER.** Remove the air output filter and tap the contaminated side gently on a solid object to remove contaminants. Compressed air or liquids should not be used to clean this filter. Reinstall cleaned filter in filter body in the same position as it was when removed. If the filter appears extremely dirty, replace it with a new filter of the same type. When replacing the filter cover, be sure the gasket is firmly in place and the screws in the filter cover are tight to prevent air leaks.
2. **FUEL FILTER.** Remove the fuel filter from fuel line and direct compressed air through the filter in the opposite direction of fuel flow. Safety glasses should be worn when using compressed air.
3. **AIR AND FUEL LINES.** If the air or fuel lines are removed during cleaning, be sure all connections are tight before operating unit.

4. **AIR PRESSURE SETTING.** The air pressure has been properly set at the factory. If the air pressure is out of adjustment, it will most likely be caused by dirty air filters, a partially plugged nozzle, an air leak in the system or improperly set pressure. If adjustment becomes necessary, first determine the proper pressure setting for your heater which is printed on the serial label located on the fuel tank. With a full fuel tank, remove the plug (part #33 from the exploded-view drawing on page 9) from the air filter cover and attach a 0 - 15 PSI pressure gauge. Start the heater and note the pressure reading. If the pressure is low, slowly turn the pressure adjusting screw in (Clockwise) until the correct pressure is obtained. If the air pressure is high, turn the adjusting screw out (counterclockwise) until the pressure is correct. When correct pressure is reached, unplug the heater, remove the gauge and replace the plug.

### STORAGE

Store the heater in a dry location free from fumes or dust.

At the end of each heating season, clean the heater as described in the MAINTENANCE section. Drain and flush the fuel tank with clean fuel. The manufacturer recommends completely filling the tank with fuel for extended storage to minimize condensation inside the tank.

### SERVICING

A hazardous condition may result if a heater is used that has been modified or is not functioning properly.

When the heater is working normally:

- \* The flame is contained within the heater.
- \* The flame is essentially yellow.
- \* There is no strong disagreeable odor, eye burning or other physical discomfort.
- \* There is no smoke or soot internal or external to the heater.
- \* There are no unplanned or unexplained shut downs of the heater.

## DIAGNOSTIC SAFETY SHUTDOWN AND TROUBLE SHOOTING

These instructions are applicable for MH75KT / HS75KT, MH125KT / HS125KT, MH175KT / HS175KT, and MH210KT / HS210KT.

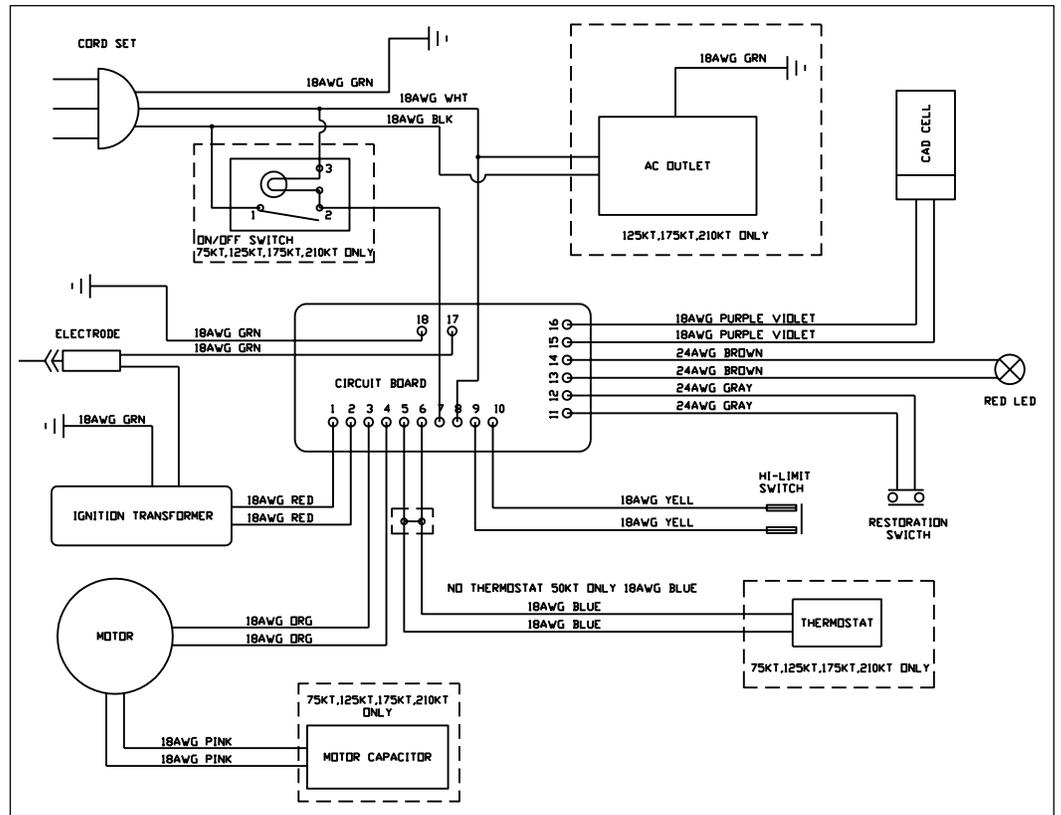
This heater is equipped with a diagnostic control board and flashing LED error indicator. This flashing LED signals when there is a malfunction of a monitored component. See the following diagnostic guide for error signal and brief description of the error.

LED	CAUSE	TROUBLE SHOOTING
1 Flash	System Lockout (High limit switch Open Circuit)	1) Make sure heater is cooled off, press reset switch and retry.
2 Flashes	System Lockout (Sparks, calling for flame, but no or slow motor operation)	<ol style="list-style-type: none"> <li>1) Check wiring to motor (per wiring schematic in manual).</li> <li>2) Make sure that the gauge plug is in place and not damaged.</li> <li>3) Adjust pressure for proper heater operation per manual.</li> <li>4) With heater disconnected from AC source, rotate fan clockwise to verify motor is free.</li> <li>5) Remove air filter housing from motor and inspect the pump rotor for damage. If damaged, replace rotor assembly.</li> <li>6) If wiring is correct, pump rotor is okay, and motor is not rotating freely, replace motor or power-pack assembly.</li> <li>7) If problem persists, replace oil flame control assembly.</li> <li>8) Check for spark arching from the electrode assembly (ref. 50), to the combustion cylinder (ref. 39).</li> <li>9) Check the cad cell (ref. 38) for continuity.</li> <li>10) Check length and gage of extension cord for proper amp. draw.</li> </ol>
3 Flashes	System Lockout (No Spark)	<ol style="list-style-type: none"> <li>1) Check wiring to igniter (per wiring schematic in manual).</li> <li>2) Check gap between electrode probes (2.3 - 3 mm).</li> <li>3) Still no spark, replace igniter assembly.</li> <li>4) Replace oil flame control assembly.</li> </ol>
4 Flashes	System Lockout (Abnormal Motor Operation - Motor overheats or Stops)	<ol style="list-style-type: none"> <li>1) Motor speed too low (Motor should operate at 3450rpm) - Replace motor.</li> <li>2) With heater disconnected from AC source, rotate fan clockwise to verify motor is free.</li> <li>3) Remove air filter housing from motor and inspect the pump rotor for damage. If damaged, replace rotor assembly.</li> <li>4) If wiring is correct, pump rotor is okay, and motor is not rotating freely, replace motor or power-pack assembly.</li> <li>5) Replace oil flame control assembly.</li> </ol>
5 Flashes	System Lockout (Reset button Error)	<ol style="list-style-type: none"> <li>1) Check wiring to reset button.</li> <li>2) Replace reset button.</li> <li>3) Replace oil flame control assembly.</li> </ol>
6 Flashes	System Lockout (Unable to Detect Flame)	<ol style="list-style-type: none"> <li>1) Check wiring to Cad Cell (per wiring schematic in manual).</li> <li>2) Clean Cad Cell photo cell. <ol style="list-style-type: none"> <li>a) Slide Cad Cell out of Cad Cell holder.</li> <li>b) Push the photo cell out of the white rubber Cad Cell housing by pushing on the blue and white wires.</li> <li>c) Clean the photo cell with a soft cloth and rubbing alcohol.</li> <li>d) Pull the photo cell back into the Cad Cell housing and reinstall into holder.</li> <li>e) Test heater.</li> </ol> </li> <li>3) If the heater still does not operate, replace Cad Cell.</li> <li>4) Replace oil flame control assembly.</li> </ol>
Steady ON	Flame Control Failure	<ol style="list-style-type: none"> <li>1) Check wiring in heater (per wiring schematic in manual).</li> <li>2) Replace oil flame control assembly.</li> </ol>

# WIRING DIAGRAM

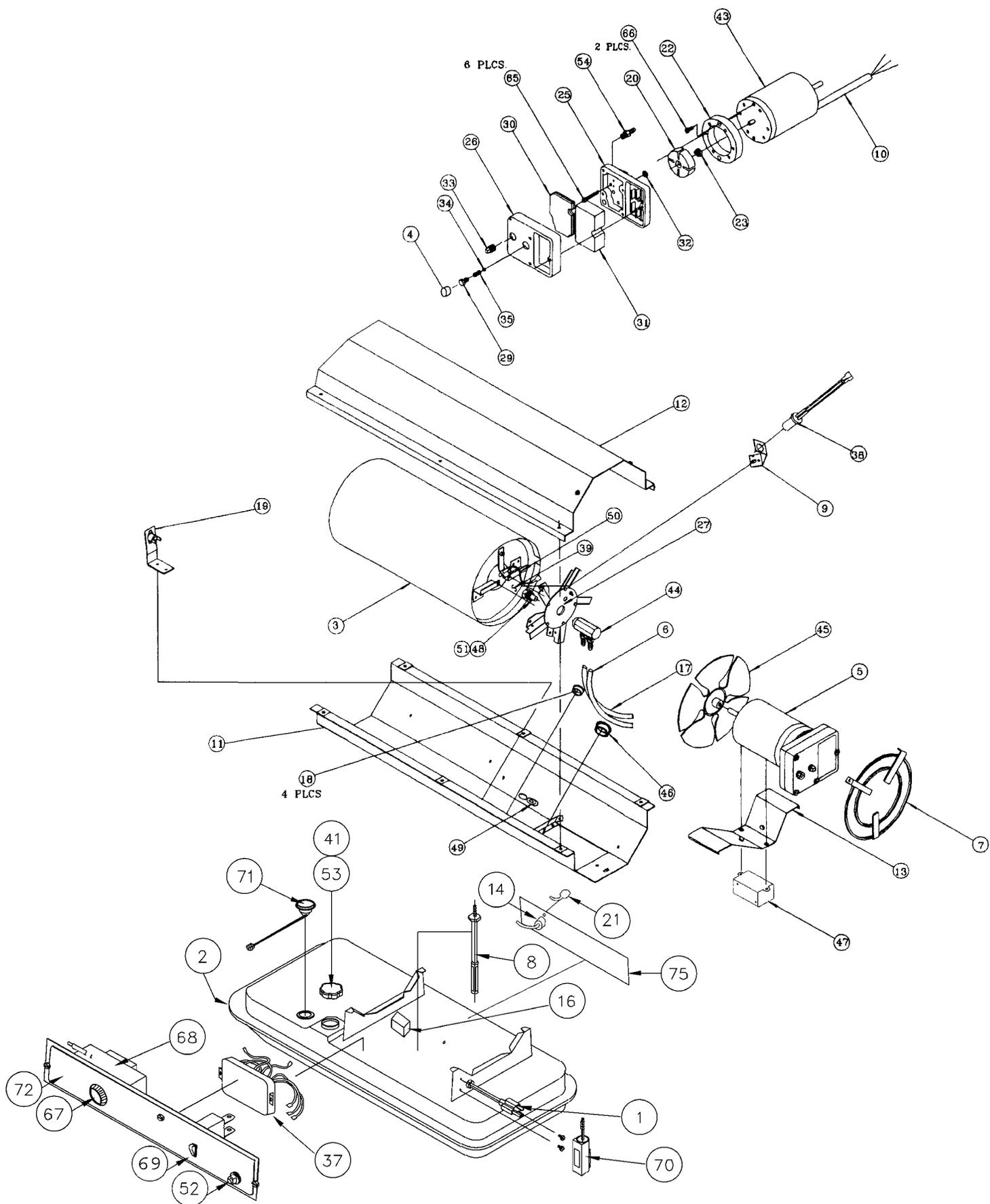
The parts lists and wiring diagram show the heater as it was constructed. Do not use a heater which is different from that shown. Heater performance is effected by air pressure setting. If there is any uncertainty about the air pressure setting, have it checked.

A heater which is *not* working right must be repaired, but *only* by a trained, experienced service person.



# PARTS LIST

Ref.#	Item #	Description	Ref.#	Item #	Item #	Item #	Item #	Description					
	50K	75KT	125KT	175KT	210KT		50K	75KT	125KT	175KT	210KT		
1	21036	21036	21036	21036	21036	Power Cord	37	22221	22221	22221	22221	Flame Control Ass'y	
2	21676	22213	22214	22214	22214	Fuel Tank Assembly	38	26903	26903	26903	26903	Cad Cell Flame Sensor	
3	21679	22215	22216	21783	22099	RadiationShield Ass'y	39	---	22232	22233	22234	22107	Comb.Chamber Cyl.Ass'y
4	26904	26904	26904	26904	26904	Pump Adj. Screw Cap	41	26909	26909	26909	26909	26909	Fuel Cap
5	21682	22258	22259	22259	22259	Power Pac Ass'y	43	27339	28737	28738	28738	28738	Motor
6	21686	24343	24346	24346	24346	Fuel Tube	44	27790	27790	28739	28739	28739	Nozzle Adapter
7	21685	28734	21771	21768	21771	Grille Assembly	45	27421	28740	26885	26866	22108	Fan
8	28779	28779	28780	28780	28780	Fuel Filter	46	---	---	26227	26227	26227	Snap Bushing
9	24011	24011	24011	24011	24011	Oil Cad Cell Bracket	47	22142	22142	22142	22142	22142	Igniter Assembly
10	23449	23449	23449	23449	23449	Motor Cord Sleeve	48	27416	28741	28742	28743	22109	Fuel Air Aspir. Nozzle
11	21050	21075	21125	21175	22127	Bottom Shell	49	26223	26223	26223	26223	26223	Strain Relief Bushing
12	22050	22075	22125	22175	22102	Top Shell	50	22143	22143	22144	22144	22144	Electrode Assembly
13	23704	24332	24333	24334	24333	Motor Mounting Brkt	51	27429	27429	27429	27429	27429	Extrnl. Retaining Ring
14	26898	26898	26898	26898	26898	Receptacle, 110V	52	26886	26886	26886	26886	26886	Reset Button
16	---	28788	28735	28735	28735	Start Capacitor	53	26910	26910	26910	26910	26910	Fuel Cap Gasket
17	23725	23725	24345	24345	24345	Air Tube	54	26847	26847	28744	28744	28744	Hose Barb Adapter
18	26225	26225	26225	26225	26225	Snap Bushing	*	27094	27094	---	---	---	Clip Hanle Mtg.
19	21794	21794	26901	26902	22105	High Limit Control	*	27095	27095	---	---	---	Handle
20	26831	26831	26831	26831	26831	Air Pump Rotor w/Vanes	*	28745	28745	---	---	---	Fuel Line Bushing
21	---	22104	22104	22104	22104	AC Receptacle Cover	*	---	22146	22146	22146	22146	Bracket Thermostat Mtg.
22	26833	26833	26833	26833	26833	Air Pump Cylinder	*	---	26070	26070	26070	26070	Clamp Loop
23	26834	26834	26834	26834	26834	Nylon Air Pump Insert	*	24171	24171	---	---	---	Nozzle mtg. plate
24	26899	26899	26899	26899	26899	Receptacle Cover	*	26905	26905	26905	26905	26905	Flame Control Mtg. Brk.
25	22106	22106	22106	22106	22106	Outlet Housing	67	---	21942	21942	21942	21942	Thermostat Knob
26	23255	23255	23255	23255	23255	Inlet Housing	68	---	21734	21734	21734	21734	Thermostat Assembly
27	---	---	22257	22257	22257	Burner Head Ass'y	69	---	28785	28785	28785	28785	ON/OFF Switch
29	23265	23265	23265	23265	23265	Adjusting Screw	70	---	28782	28781	28781	28781	Pressure Gauge
30	23270	23270	23270	23270	23270	Outlet Filter	71	---	28791	28778	28778	28778	Fuel Gauge
31	20234	20234	20234	20234	20234	Inlet Filter	72	22147	22148	22149	22149	22149	Control Panel
33	26849	26849	26849	26849	26849	Nylon Pipe Plug	*	---	28682	28683	28683	28683	Logo, Mr. Heater
34	26850	26850	26850	26850	26850	Ball,. Pressure adj.	75	26887	26887	26888	26888	26888	Control Panel Back
35	26851	26851	26851	26851	26851	Spring, Pressure adj.							



# OPERATING INSTRUCTIONS AND OWNER'S MANUAL

## MR.HEATER

MODEL

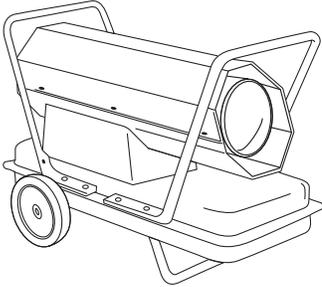
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**⚠ WARNING:** USE ONLY MANUFACTURER'S REPLACEMENT PARTS. PARTS ARE AVAILABLE DIRECTLY FROM THE FACTORY OR FROM YOUR LOCAL MR. HEATER/HEATSTAR DEALER.

### PARTS ORDERING INFORMATION:

**PURCHASING:** Accessories may be purchased at any Mr. Heater/HeatStar local dealer or direct from the factory

#### FOR INFORMATION REGARDING SERVICE

Please call Toll-Free 800-251-0001 • [www.mrheater.com](http://www.mrheater.com)

Our office hours are 8:30 AM – 5:00 PM, EST, Monday through Friday.

Email to: [techservice@mrheater.com](mailto:techservice@mrheater.com)

Please include the model number, date of purchase, and description of problem in all communication.

### LIMITED WARRANTY

The company warrants this product to be free from imperfections in material or workmanship, under normal and proper use in accordance with instructions of The Company, for a period of one year from the date of delivery to the buyer. The Company, at its option, will repair or replace products returned by the buyer to the factory, transportation prepaid within said one year period and found by the Company to have imperfections in material or workmanship.

If a part is damaged or missing, call our Technical Support Department at 800-251-0001.

Address any Warranty Claims to the Service Department, Enerco Group, Inc., 4560 W. 160TH ST., Cleveland, Ohio 44135. Include your name, address and telephone number and include details concerning the claim. Also, supply us with the purchase date and the name and address of the dealer from whom you purchased our product.

The foregoing is the full extent of the responsibility of the Company. There are no other warranties, express or implied. Specifically there is no warranty of fitness for a particular purpose and there is no warranty of merchantability. In no event shall the Company be liable for delay caused by imperfections, for consequential damages, or for any charges of the expense of any nature incurred without its written consent. The cost of repair or replacement shall be the exclusive remedy for any breach of warranty. There is no warranty against infringement of the like and no implied warranty arising from course of dealing or usage of trade. This warranty will not apply to any product which has been repaired or altered outside of the factory in any respect which in our judgment affects its condition or operation.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights, and you may have other rights which vary from state to state.

Enerco Group, Inc. reserves the right to make changes at any time, without notice or obligation, in colors, specifications, accessories, materials and models.



UL-733, &CSA/CAN3-B140.9.3

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