- Never store kerosene in a living area. Kerosene should always be stored in a well ventilated area outside of the living space.
- Never store kerosene in direct sunlight or near any heating source.
- Never use kerosene that has been stored from one season to the next. Kerosene and diesel fuel break down over time.

Old fuel will not burn properly in this heater. Use of old or contaminated kerosene can lead to excessive soot production.

⚠ NEVER LEAVE HEATER UNATTENDED WHILE BURNING OR WHILE CONNECTED TO A POWER SOURCE.

THEORY OF OPERATION

Fuel System: This heater is equipped with an air pump that operates off of the electric motor. The pump forces air through the air line connected to the fuel tank, drawing fuel to the nozzle in the burner head. Air also passes through the nozzle where it mixes with the fuel and is sprayed into the combustion chamber in a fine mist.

Quick-Fire Ignition: A transformer sends high voltage to a two pronged spark plug. The spark ignites the fuel/air mixture as it is sprayed into the combustion chamber.

Air System: A fan is turned by the heavy duty motor, which forces air around and into the combustion chamber, where it is super-heated and forced out the front of the chamber.

Electrical System Protection: The heater's electrical system is protected by a circuit breaker that protects the system components from damage. If the heater fails, check the fuse first, and replace if necessary.

Flame Sensor: The heater uses a photocell to see the flame in the combustion chamber. Should the flame extinguish, the sensor will stop electrical current and the heater will shut off.

Tipover Sensor: The heater uses a tip**over sensor.**

FUELING THE HEATER

⚠ WARNING: NEVER FILL THE FUEL TANK INDOORS. ALWAYS FILL THE TANK OUTDOORS. BE SURE THAT THE HEATER IS ON LEVEL GROUND WHEN FUELING, AND NEVER OVERFILL THE FUEL TANK.

It is always a good idea to fire the heater outdoors for the first time. This will allow any oils used in the manufacturing process to be burned off in a safe environment. This initial burn should last at least 10 minutes.

⚠ WARNING: NEVER REFUEL THIS HEATER WHILE IT IS HOT OR WARNING OPERATING. FIRE OR EXPLOSION COULD RESULT.

VENTILATION

Always provide a fresh air opening in the heated space of at least three square feet (2,800 sq. cm) for the MH-0125-RM10. Provide a larger opening if more heaters are being used. As an example, a MH-0125-RM10 (125,000 BTU/hr) heater will require:

- a two-car garage door open 4 inches, or
- a single car garage open 6 inches, or
- two windows (30" wide each) open 8 inches.

CLEARANCE

Keep this heater a minimum of 6 feet on sides, 6 feet on top, and 6 feet on front, from combustibles. This heater is not for use on finished floors. Use a heat shielding mat on a heat sensitive floor.

TO START THE HEATER

1. Fill the tank with approved fuel until fuel gauge points to "F".

2. Be sure fuel cap is secure.

3. Plug power cord into three prong, grounded extension cord and plug extension cord into three prong 120V grounded outlet. The extension cord should be at least six feet long.

Extension cord wire size requirements are as follows:

- 6 to 10 feet (1.8 to 3 meters), use 18 AWG wire.
- 11 to 100 feet (3.4 to 30.4 meters), use 16 AWG wire.
- 101 to 200 feet (30.8 to 61 meters), use 14 AWG wire.

4. Push the Operation switch to the "High" or "LOW" position. The power indicator lamp will light and the heater will start.

NOTE: The electrical components of this heater are protected by a fuse mounted in the PC board. If the heater fails to fire, check this fuse first, and replace if necessary. Also check the power source to be sure that the proper voltage is being provided to the heater.

TO STOP THE HEATER

⚠ WARNING: DO NOT DISCONNECT THE POWER SOURCE OR UNPLUG THE POWER CORD UNTIL THE COOLING CYCLE HAS BEEN COMPLETED!

1. Push the Operation switch to "OFF" position. Combustion will stop, and the Cooling Cycle (approx. 3 minutes in duration) will begin.
2. When Cooling Cycle is completed (fan stops running), it is safe to unplug the heater. Unplugging the heater before the Cooling Cycle has ended may cause overheating, possible damage the heater and heat plate, and will void the warranty.

TO RESTART THE HEATER

1. Wait ten seconds after cooling cycle has completed.
2. Push the Operation Switch to "High" or "LOW" position.
3. Be sure to follow all starting procedure precautions.