

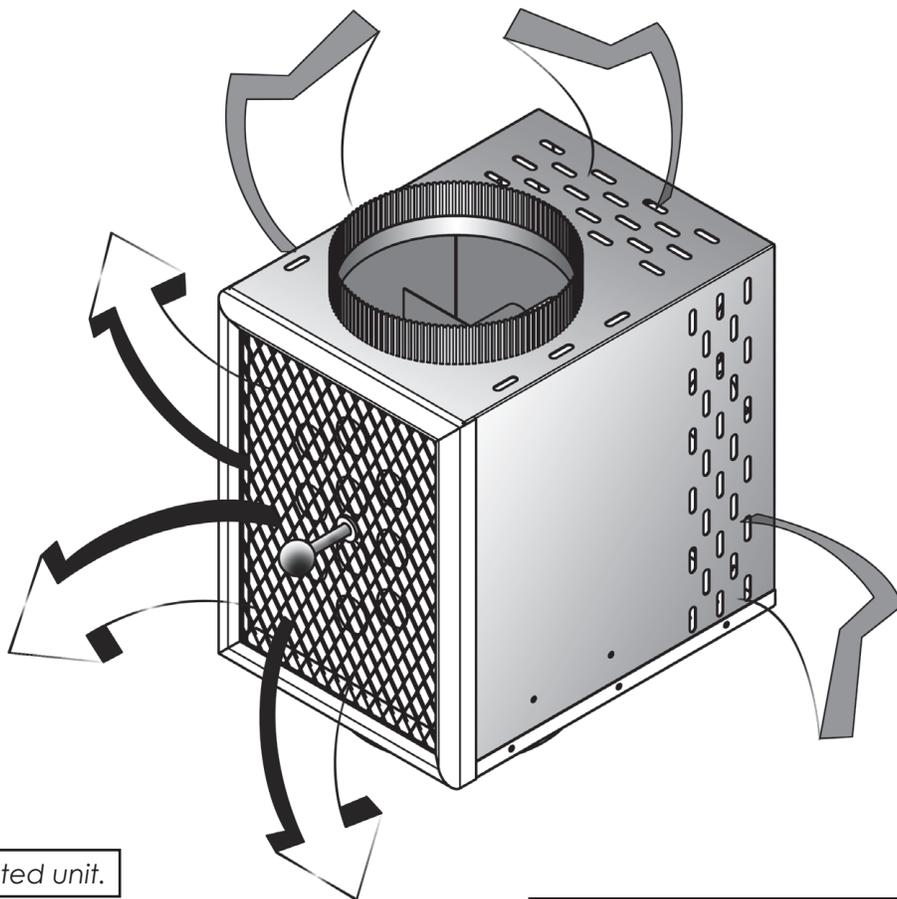
**UNITED STATES
STOVE CO**

EST^d 1869

Miracle Heat Deluxe

Model MHD-6 & MHD-8

(save this manual for future reference)



This unit IS NOT a Listed unit.

⚠ CALIFORNIA PROPOSITION 65 WARNING:

This product can expose you to chemicals including benzene, which is known to the State of California to cause cancer, birth defects and/or other reproductive harm. For more information, go to www.P65warnings.ca.gov

ALL PICTURES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCEMENT.

This manual is subject to change without notice.

READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING THE INSTALLATION OR OPERATING THE UNIT. FAILURE TO FOLLOW INSTRUCTIONS MAY RESULT IN PROPERTY DAMAGE, BODILY INJURY, OR EVEN DEATH.

**TO BE USED WITH SOLID FUEL BURNING APPLIANCES ONLY.
(NO EXCEPTIONS)**

**DO NOT USE THIS UNIT IN A MOBILE HOME OR TRAILER.
(NO EXCEPTIONS)**

SAFETY NOTICE: IF THIS UNIT IS NOT PROPERLY INSTALLED, A HOUSE/BUILDING FIRE MAY RESULT. FOR YOUR SAFETY, CONTACT LOCAL BUILDING OR FIRE OFFICIALS ABOUT PERMITS, RESTRICTIONS, AND INSTALLATION REQUIREMENTS FOR YOUR AREA.

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Safety Instructions

READ ALL INSTRUCTIONS CAREFULLY

1. The installation of this unit must comply with your local building code rulings. Please observe the clearances to combustibles (fig. 2).
2. Do not install this unit in a mobile home or trailer (NO EXCEPTIONS).
3. Always connect this unit to a chimney and vent to the outside. Never vent to another room or inside a building.
4. **WARNING: DO NOT CONNECT** this unit to an aluminum Type B gas vent. This is not safe.
5. **CAUTION: DO NOT INSTALL THE MIRACLE HEAT IN A HORIZONTAL POSITION.**
6. The paint used on your appliance may give off smoke and/or odor during the first fires. This may occur during the first dozen fires until the paint has cured. This will end and not reoccur after paint has cured. Persons with lung conditions or owners of susceptible domestic pets (such as birds) should take prudent precautions. Open windows and doors as needed to clear smoke and odor.
7. Be sure that your chimney is safely constructed and in good repair. Have the chimney inspected by the fire department or a qualified inspector. Your insurance company may be able to recommend a qualified inspector.
8. Creosote or soot may build up in the chimney connector and chimney and cause a house/building fire. Inspect this unit, the chimney connector, and chimney twice monthly during the heating season and clean if necessary (see Maintenance & Service Hints, page 5).
9. Do not install this accessory on a stove, heater, or fireplace pipe that has poor draft or "smokes." The Miracle Heat unit will aggravate this condition. Correct the draft situation BEFORE installing.
10. Do not use a Miracle Heat that has a smaller diameter than the flue outlet on your stove, heater, or fireplace.
11. Do not connect duct work to the appliance. Do not restrict the air movement inside or through the appliance.
12. Do not install on a stove, heater, or fireplace with an operating temperature of less than 350 degrees Fahrenheit.
13. Do not install the appliance closer than 12" to any combustible object or material. Maintain all clearance requirements of the heating appliance (see the appliance's owner's manual.)
14. Use at least three (3) sheet metal screws at each connection to secure the appliance to the flue pipe.
15. While in operation, keep the soot remover scraper knob pulled out at least 5 inches from the front of the unit.
16. Do not touch this unit while it and the heating appliance is in operation. The surfaces are hot and can cause severe burns. Keep children, clothing, and combustible materials away from the unit.
17. Do not allow the power cord to touch any hot surfaces. Keep the power cord at least 12" away from the flue pipe
18. Use only with a grounded electrical socket. Consult a qualified licensed electrician to provide a properly grounded socket. Do not modify the electrical plug in any way. Dangerous or damaging conditions could result. Do not plug into an electrical outlet that is not grounded or that is operated by a wall mounted on/off switch.
19. The Miracle Heat MUST be plugged into an electrical outlet whenever the stove is in use. Failure to do so will likely result in damage to the electrical components of the appliance and could result in shock or electrical fire
20. Keep the unit plugged in at all times. Do Not operate the stove if the Miracle Heat is inoperative. Doing so will damage the electrical components.

NOTE: A PROFESSIONAL, LICENSED HEATING AND COOLING CONTRACTOR SHOULD BE CONSULTED IF YOU HAVE QUESTIONS REGARDING THE INSTALLATION.

CAUTION: SHOCK HAZARD

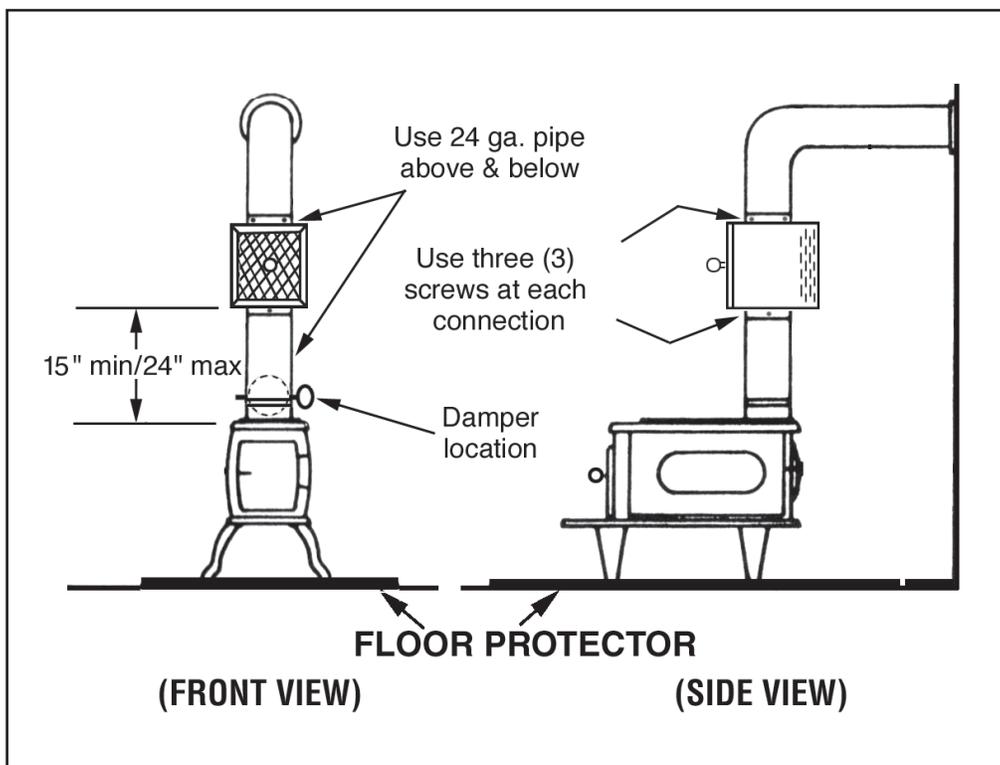
- **Always disconnect plug from electrical source before adjusting or attempting repairs.**
- **Always disconnect plug by grasping plug body – Do not pull on cord to disconnect from wall outlet.**
- **Use only with properly grounded outlet. Do not alter plug.**

Installation Instructions

Refer to diagram and parts lists at back of this manual

1. Check the Owner's Manual for your stove and do not reduce any minimum clearances which may be listed there. Use only Type A (all-fuel) or lined masonry chimneys to connect to your stove. Check your local and state building codes for proper and safe installation.
2. If you have determined your chimney to have an inadequate draft, overcome that deficiency before installing your appliance. Your chimney should be capable of developing at least 0.06 w.c. (measured in water column) draft before installing a Miracle Heat. After installation, the chimney should develop at least 0.045 w.c. as measured below the Miracle Heat. All stove pipe above or below your Miracle Heat must be 24-gauge or heavier to provide adequate support. Any horizontal run of pipe must pitch upward toward the chimney at least 1/4" per foot of horizontal run. All stove pipe and/or elbow joints must be secured by at least three (3) sheet-metal screws.
3. Any elbow installed below your Miracle Heat should be of the non-adjustable type.
4. If your stove requires a hand damper (wood and coal stoves), install BELOW the Miracle Heat.
5. Note: The power cord must not contact any part of the stove, chimney connector(s) or the Miracle Heat components. Secure the power cord to keep it away from hot surfaces or their proximity.
6. The Miracle Heat pipe size must be the same or larger diameter than the flue outlet of the heating appliance.
7. All electric supply cord connections shall comply with the requirements of local authorities having jurisdiction over such matters.
8. Overfiring this unit is not recommended. Refer to your heating appliance owner's manual regarding overfiring.
9. The Miracle Heat must be installed in your flue pipe vertically. It may be installed with the crimped end either up or down, according to your installation needs.
10. The Miracle Heat should be installed as close to the flue outlet as possible, but no closer than 15" from the top or back as shown in figure 2.
11. Do Not install the Miracle Heat closer than 18" from any combustible material.
12. Use at least three (3) sheet metal screws at each connection to secure the Miracle Heat to the flue pipe.
13. Keep the power cord at least 12" away from the flue pipe.

NOTICE: In case of a power outage, your stove may be kept in use with low heat fires provided you remove the rear panel of the Miracle Heat (fan and electrical components).



Operating Instructions

Warning: Explosion Hazard

- Never use chemicals, gasoline, gasoline-type lantern fuel, kerosene, charcoal lighter fluid, or similar flammable liquids to start or “freshen-up ” a fire in any heating appliance.
- Keep all flammable liquids, especially gasoline, out of the vicinity of any heating appliance — whether in use or in storage.

CAUTION: HOUSE FIRE HAZARDS

- Floor protector must extend underneath Miracle Heat.
- Overfiring may cause a house fire, you are overfiring. If the heater, chimney connector, or Miracle Heat glows red. Overfiring may damage the tubing air seals in the heat reclaimer and cause unsafe operating conditions.

Operating Safety Precautions

1. Never build extremely large fires in your stove as damage to the appliance or smoke leakage may result .
2. **WARNING: Miracle Heat and heating appliances are HOT while in operation . Keep children, clothing, and Furniture away. Contact may cause skin burns. Do not touch the heat reclaimer or appliance after firing until it has cooled.**
3. Inspect stove pipe and heat exchanger tubes every 60 days. Replace immediately if stove pipe or tubes are rusting or leaking smoke into the room.

NOTICE: Before first use , review the safety precautions and installation instructions to ensure that all of the procedures and steps have been properly completed.

Build a small fire in your stove and gradually build up to normal operating condition. Some smoke and odor may be evident during initial operation. This will cease as the paint bakes and cures.

The Miracle Heat is designed to be automatic and will turn on when the flue pipe reaches the factory set temperature. It will also turn off automatically when the flue temperature falls below the factory set temperature. A toggle switch on the rear of the Miracle Heat allows the fan to operate before the thermostat activates. Do not attempt to alter the thermostat in any way. This not only a convenience feature, but an important safety device as well. Keep the electrical cord plugged into a live circuit at all times except during servicing to prevent overheating and possible damage and/or malfunctioning of the unit. Do not connect this unit to a switched circuit.

WARNING: Slow burning fires and extended use may cause excessive creosote buildup . Ignition of creosote buildup or overfiring may cause a chimney fire . Chimney fires burn extremely hot and may ignite surrounding materials . In case of a chimney fire call the fire department immediately .

CAUTION: Soot scraper knob and connecting rod are hot during operation and could cause severe burns . Use protective equipment when operating or wait until unit has cooled before operating .

After each firing, operate the soot scraper (pull knob in and out) to clean the heat exchanger tubes. Keep soot scraper knob pulled out at least 5 inches from the face of the unit while in operation.

Maintenance & Service Hints

CLEANING

Periodic cleaning of the Miracle Heat is recommended. Inspect and clean at least three times during the heating season. Remove the unit and clean any ash or creosote from the pipes. Vacuum or blow any dirt that has accumulated in the outer housings of the Miracle Heat.

FAN MOTOR

- Remove the rear panel.
- Remove any accumulations of dirt or dust.
- Reassemble the unit following the diagram in the back of this manual.

CHIMNEY DRAFT

Draft is a function of the chimney, not the heating appliance. Smoke spillage into the house or excessive buildup of condensation or creosote in the chimney are warnings that the chimney is NOT functioning properly. Correct the problem before using the heating appliance or installing the Miracle Heat. Following are some possible causes for improper draft.

1. The connector stovepipe may be pushed into the chimney too far, stopping the draft.
2. If the chimney temperature is too cool, water will condense in the chimney and run back into the appliance. Creosote formation will be rapid and may block the chimney. Operate the appliance at a fire level high enough to keep the chimney warm to prevent condensation from forming.
3. If the fire burns well but sometimes creates excess smoke or burns slowly, it may be caused by the chimney top being lower than another part of the house or a nearby tree. The wind blowing over a house or tree, falls on top of the chimney like water over a dam, beating down the smoke. The top of the chimney should be at least three (3) feet above the roof and be at least two (2) feet higher than any point of the roof within ten (10) feet.

CREOSOTE – FORMATION AND REMOVAL

Slow-burning wood produces tar and other organic vapors which combine with expelled moisture to form creosote. Creosote vapors condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. If ignited, this creosote creates an extremely hot fire which may ignite surrounding materials resulting in a building fire.

If creosote has accumulated, it should be removed. Failure to remove creosote may result in ignition and may cause a house/building fire. Creosote may be removed using a chimney brush or other commonly available materials from your local hardware retailer. Remove the Heat Reclaimer before cleaning the chimney or flue pipe.

CHIMNEY INSPECTIONS

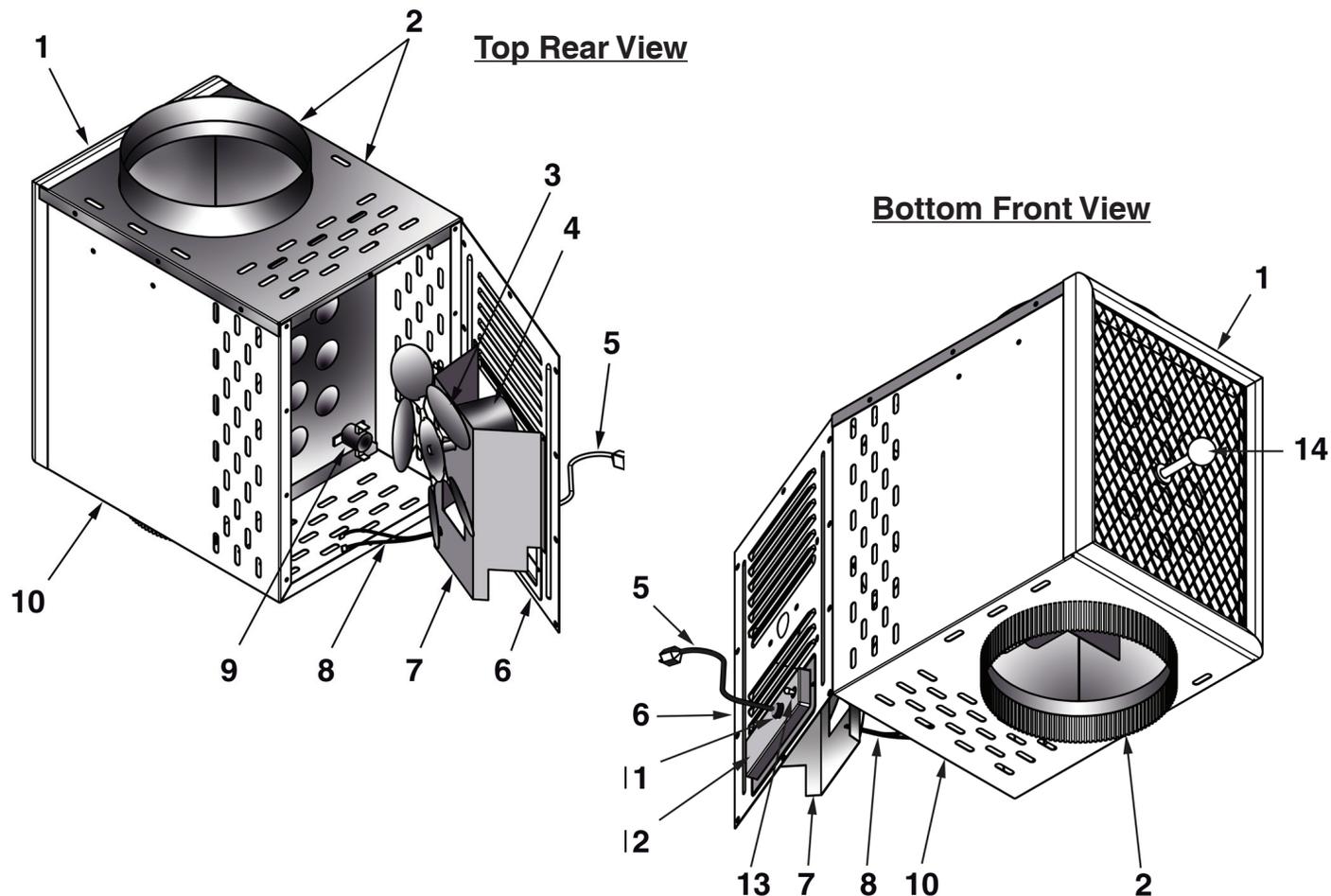
The chimney connector and chimney should be inspected at the beginning of and at least twice a month during the heating season to determine if a creosote buildup has occurred.

Chimney fires burn very hot. If the chimney connectors or the Miracle Heat should glow red, reduce the fire by closing the damper and the appliance draft control and immediately call the fire department.

WARNING: A chimney fire may cause ignition of wall studs or rafters which were assumed to be a safe distance from the chimney. If a chimney fire has occurred, have your chimney inspected by a qualified expert before using again.

A fire in your heating appliance may be smothered by pouring a large quantity of coarse salt, baking soda, or cool ashes on top of the fire.

Ordering Repair Parts



Key	Part#	Description	Model	Qty
1	892356	Trim	MHD6	1
	892364		MHD8	
2	892353	Heat Exchanger Assembly	MHD6	1
	892361		MHD8	
3	892357	Blade, Fan	Both	1
4	80679	Motor, Fan	Both	1
5	80232	Cord, Power Supply	Both	1
6	892355	Rear Panel	MHD6	1
	892363		MHD8	
7	892358	Motor Bracket	Both	1
8	80682	Thermostat Wires	Both	2
9	80249	Thermostat	Both	2
10	892354	Outside Case	MHD6	1
	892352		MHD8	
11	80109	Bushing, Strain Relief	Both	1
12	892359	Junction Box Cover	Both	1
13	80681	Toggle Switch	Both	1
14	892360	Knob, Scraper	Both	1

When ordering missing or replacement parts, always give the Model Number of the unit, Part Number, and Part Description. Use the illustration and parts list provided to identify parts.

Attention!
Allow the appliance to completely cool before performing any maintenance.

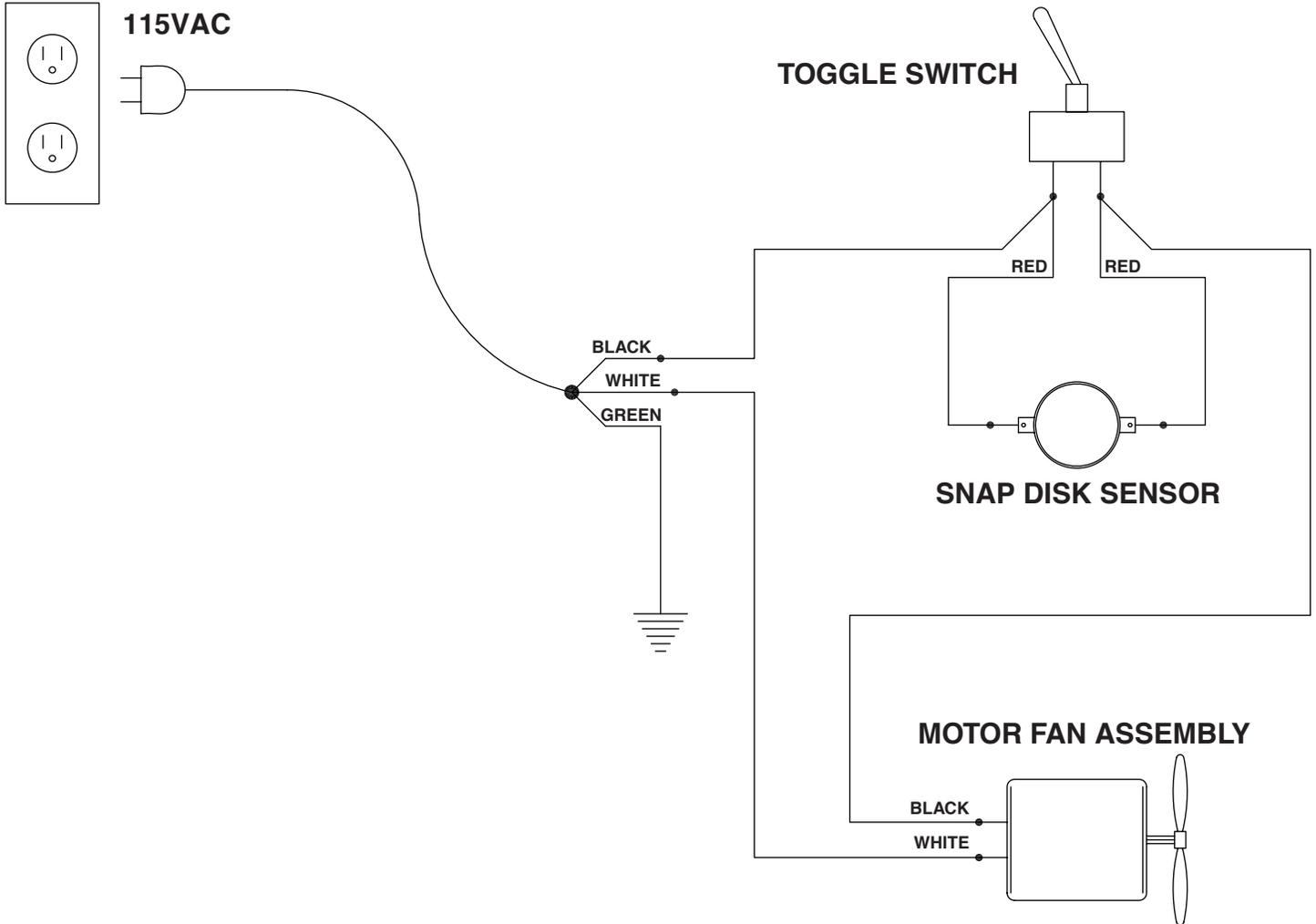
NOTE: Designate Model (MHD6 or MHD8) when ordering parts

IN ORDER TO MAINTAIN WARRANTY, COMPONENTS MUST BE REPLACED USING ORIGINAL MANUFACTURERS PARTS PURCHASED THROUGH YOUR DEALER OR DIRECTLY FROM THE APPLIANCE MANUFACTURER. USE OF THIRD PARTY COMPONENTS WILL VOID THE WARRANTY.

Electrical Diagram

WARNING: Risk of Electrical Shock

Always make certain the appliance is unplugged from the power source before performing service.



How To Order Repair Parts

THIS MANUAL WILL HELP TO OBTAIN EFFICIENT, DEPENDABLE SERVICE FROM THE HEATER, AND WILL ENABLE THE CORRECT REPAIR PARTS TO BE ORDERED.

KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

WHEN WRITING, ALWAYS GIVE THE FULL MODEL NUMBER WHICH IS ON THE NAMEPLATE ATTACHED TO THE BACK OF THE HEATER.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST:

1. The PART NUMBER: _____

2. The PART DESCRIPTION: _____

3. The MODEL NUMBER: _____

4. The SERIAL NUMBER: _____



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