

READ AND SAVE THESE INSTRUCTIONS



**Marley Electric
Heating**

A United Dominion Company

MODEL 1100W

HEATER-FAN-LIGHT

—CAUTION—

NOT FOR KITCHEN USE

To avoid the risk of fire, electrical shock or injury, disconnect ventilator from power supply before cleaning or servicing.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT USE THIS UNIT WITH ANY SOLID-STATE CONTROL DEVICE.

DESCRIPTION

The Patton Heater-Fan-Light Combination Model 1100W is intended generally for use in bathrooms up to 65 square feet. However, it can also be used in other areas where ventilation is required, such as mud rooms, laundries, etc., with areas up to 85 square feet. For a new construction installation, the housing should be installed during the rough-in phase. When remodeling or installing this unit in any existing building, the housing must be installed from above, which requires access to the attic space. This model is U.L. Listed Type I.C. (Inherently Protected) for use in insulated ceilings.

When choosing a location for the Model 1100W, the practical round design allows the unit to be placed at almost any location in the ceiling. We suggest that the location be selected to make maximum utilization of the lighting feature.

UNPACKING

Unpack carefully. If there are missing components or hidden damage, immediately contact your distributor or the delivering carrier concerning discrepancies.

GENERAL SAFETY INFORMATION

For your protection and safety, please follow these precautionary measures:

1. Adhere to all state and local safety codes and ordinances as well as the National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).
2. The circuit breaker that controls the circuit to which the unit is to be connected must be in the "OFF" position. Do not attempt any electrical connections to the unit while the circuit is still on. The circuit breaker panel door should be locked or tagged while the circuit is off and the unit is being connected.
3. The unit must be grounded to the ground screw provided in the housing in accordance with applicable codes.
4. Protect the power supply cable from kinks, sharp objects, oil, grease, hot surfaces and chemicals.

5. Install the unit away from room or cabinet doors or in any location that hinders the flow of air. Do not locate behind towel racks or curtains.
6. Make certain that the electric service supply voltage is 120V, 60Hz.

IMPORTANT SAFETY INSTRUCTIONS

WARNING:

TO REDUCE RISK OF FIRE, ELECTRICAL SHOCK OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

1. Do not use this fan with any Solid-State speed control device.
2. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
3. Before servicing or cleaning unit, switch power off at service panel and lock service panel to prevent power from being switched on accidentally.
4. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
5. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating Refrigeration and Air Conditioning Engineers (ASHRAE) and the local code authorities.
6. When cutting or drilling into wall or ceiling, do not damage electrical wiring or other hidden utilities.
7. Ducted fans must always be vented to the outdoors.
8. If this unit is installed over a tub or shower, it must be marked as appropriate for the application. These units are NOT to be installed over a tub or in a shower stall enclosure.
9. NEVER place a switch where it can be reached from a tub or shower.
10. **CAUTION: For General Ventilating Use Only!** Do not use to exhaust hazardous or explosive materials or vapors.
11. Not for use in kitchens.

TOOLS

Installation of your Marley Electric Heating product is easy. No special technical knowledge is needed; only a few ordinary tools are required.

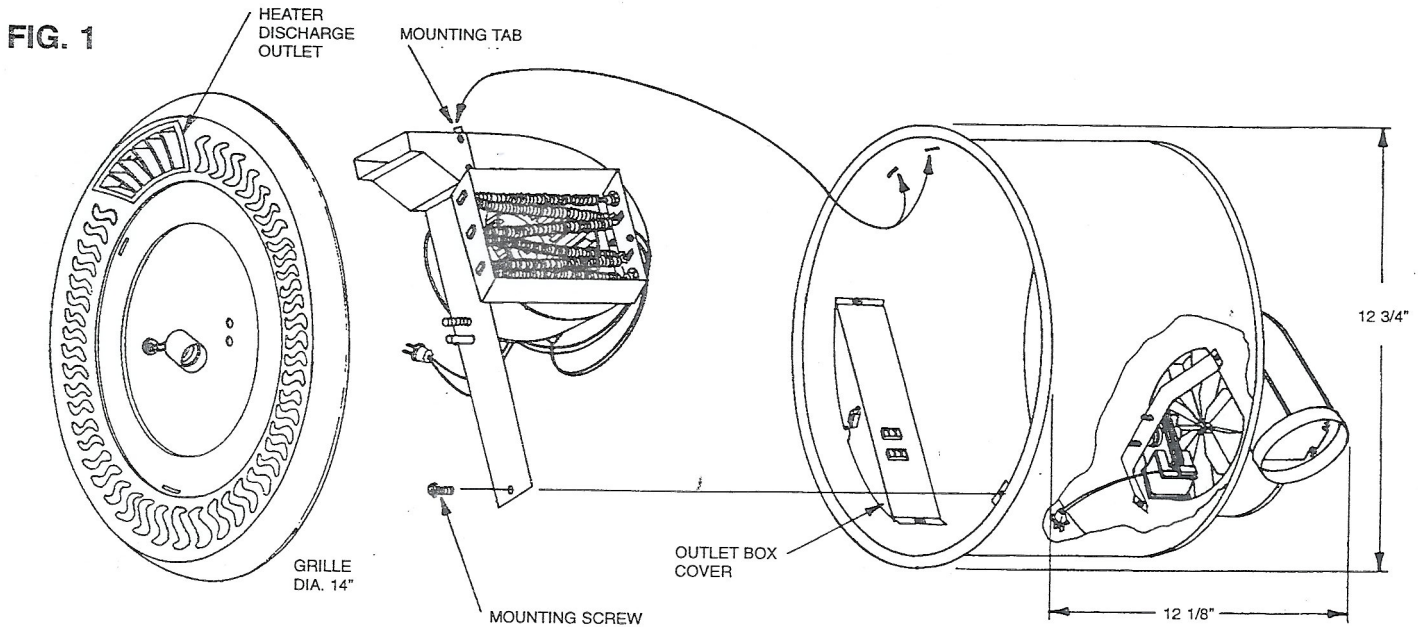
Screwdriver
Hammer
Saber saw, Keyhole saw, or Jig saw
Electric drill with bit
Wire cutters

Wire Stripper
Wire nuts and general electrical supplies
Safety glasses
Ruler and straight edge

All hand tools should be insulated. Power tools should display the U.L. Listing Mark.

TO INSTALL IN NEW BUILDING CONSTRUCTION

1. Remove the grille and lens from the carton and set it aside until needed.
2. Remove the heater unit from the housing by first unplugging it and removing the mounting screws. Then lift out heater unit while disengaging two mounting tabs. (See Fig. 1.) Set aside until needed.
3. Unplug fan motor and remove the outlet box cover by removing two mounting screws. Retain cover and screws for reinstallation. Check the ventilating section. Be sure that the motor bracket is secured tightly to the cover plate. If not, loosen the two mounting screws, twist the motor bracket counter-clockwise into place and re-tighten the screws.

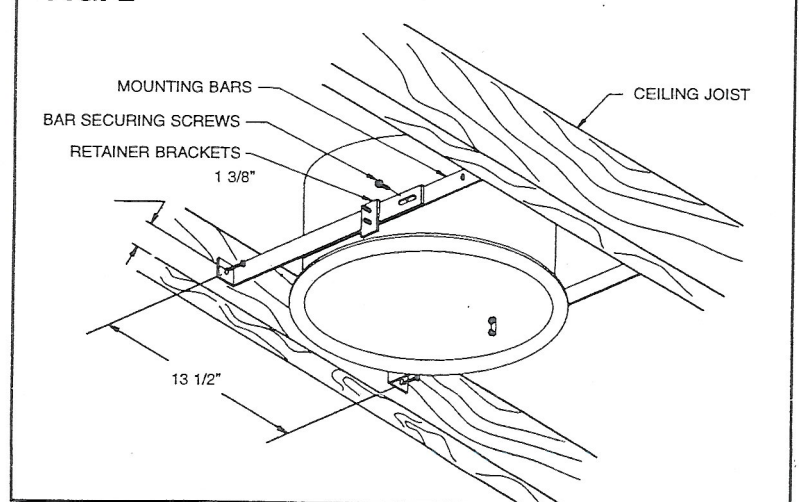


NOTE: Two long and two short mounting bars are included with this unit. These bars must be paired correctly in order to allow the housing to be positioned at the desired location between joists.

For 24" centers, use one long and one short bar on each side of housing. For 16" centers, break off ends of both long mounting bars at scored positions, then proceed as follows.

4. Loosen the two screws in each mounting bar retainer bracket on the housing and install mounting bars in accordance with Fig. 2. Install bar securing screws supplied through slot in short mounting bars and, depending on 24" o.c. or 16" o.c. installation, hole in longer mounting bar. Do NOT tighten securing screws. Position housing in approximate desired location between joists and drive (4) small nails (4d or 6d) in joists, 1-3/8" from bottom and 13-1/2" apart. Leave 1/4" of each nail projecting. Align mounting bar holes with nails and drop into place. Exact position of housing can now be adjusted laterally between joists and vertically to compensate for sheet-rock thickness. Vertical adjustment is correct when flange of housing is dropped below the bottom of ceiling joist a distance equal to the thickness of the sheet-rock. Level housing and insert (4) additional nails in the bottom of the mounting bars for a more secure mounting. Tighten securing screws.

FIG. 2



5. Insure that damper opens and closes freely, at this point.
6. Install 4" round duct to discharge the fan to outside. (See Fig. 3.)

IMPORTANT: Be sure nothing obstructs the discharge of the vent. Take precautions to assure that insulation does not get into duct work or fan discharge opening.

CAUTION!
BE SURE ALL WIRING COMPLIES WITH
LOCAL AND NATIONAL ELECTRICAL
CODES, AND HOUSING IS PROPERLY
GROUNDED.

7. Run a 120-volt power cable to the wall switch provided so that you can control heat, light and ventilation separately. Install wall switch in a convenient location. Run cables from switch to the unit. Refer to wiring diagram. Install an approved connector on junction box. Connect ground lead to green screw in outlet box. Replace outlet box cover. Insert fan motor plug into fan receptacle.
8. Install heater unit in housing by inserting the two mounting tabs into the slots in the housing. Swing the mounting bar up into housing and install screw. Make sure both tabs engage slots. Tighten screw and insert plug into heater receptacle. (See Figs. 1 & 5.)
9. Insert the lamp plug of grille assembly into lamp receptacle on the outlet box. Mount the grille to the housing, aligning the small hole in the grille with the threaded mounting screw and the larger hole with the adjacent alignment pin. The alignment pin will insure that the heater unit outlet is positioned directly over the discharge outlet in the grille. Fasten with wing nut supplied. (See Figs. 1 & 5.)

NOTE: IF GRILLE DOES NOT FIT FLUSH WITH CEILING, ADJUST SCREWS IN MOUNTING BRACKETS. REFER TO STEP 4.

10. Install a 100-watt (maximum) light bulb. Align three tabs on lens with slots in grille. See Fig. 6. Press lens to grille until tabs engage.
11. Check installation to insure that wiring has been installed properly and that no mechanical noise is evident which may be caused by loose components or vibration.

FIG. 3

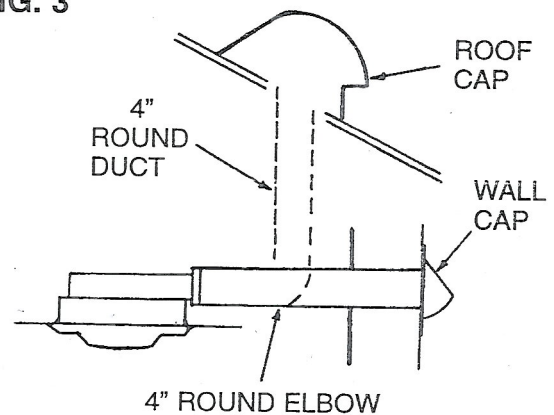


FIG. 4

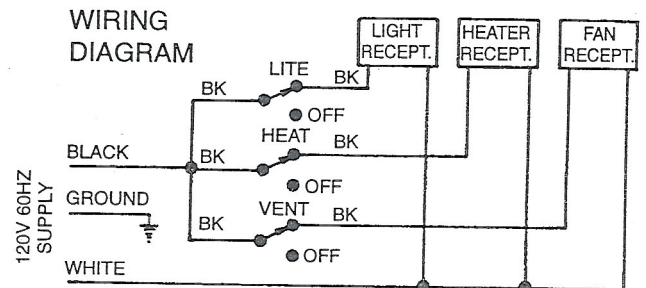


FIG. 5

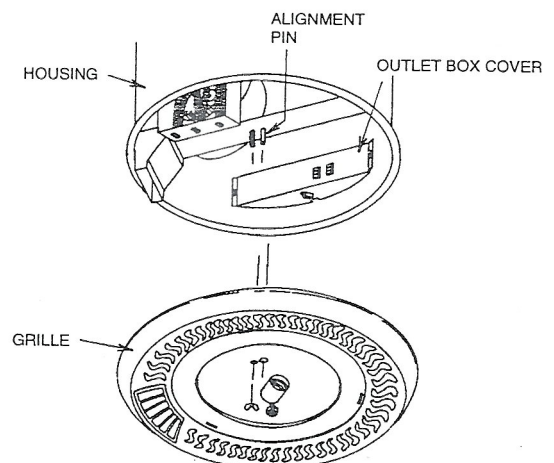
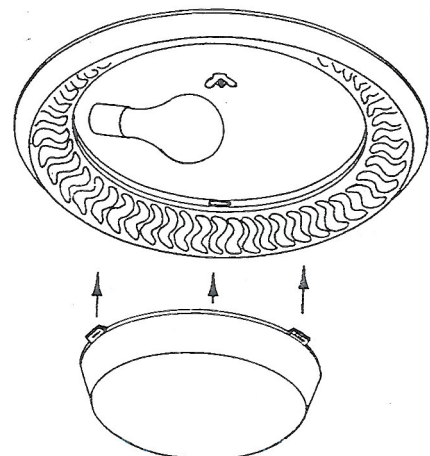


FIG. 6



INSTALLATION IN EXISTING CONSTRUCTION

When installing a Model 1100W Heater-Fan-Light in an existing house, you must have an accessible area above the proposed installation location (attic or crawl space). Because of the size and shape of the housing, it must be installed in a finished ceiling from above.

1. Carefully read all previous installation instructions and follow those applicable to your installation, including ducting and wiring. (Figs. 1-4).
2. Drill a small hole in ceiling from below in proposed location, then locate this hole in the attic (or crawl space).
3. In attic, mark ceiling for cutout by using the housing as template. Using this line as a guide, make a cutout about 1/4" smaller. Final hole must not exceed 12 1/4" diameter.
4. Rest flange of housing on sheet-rock, centered over cutout. Extend and nail all four ends of mounting bars.
5. Perform steps 5 through 10 as for new construction.
6. Make final inspection and check out as outlined in step 11.

CAUTION!

**BE SURE ALL WIRING COMPLIES WITH LOCAL AND NATIONAL ELECTRICAL CODES,
AND HOUSING IS PROPERLY GROUNDED.**

HOW TO ORDER REPAIR PARTS

In order to obtain any needed repair or replacement parts, warranty service or technical information, please contact Marley Electric Heating Service Center toll-free by calling 1-800-642-HEAT.

When ordering repair parts, always give the information listed as follows:

1. The Part Number
2. The Model Number
3. The Part Description
4. Date of Manufacture



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