FOR REPAIRS
Do not attempt to service or repair this heater. If damaged or not functioning properly, return heater to W.B. Marvin. For safety reasons, servicing is only available at the factory. Parts can not be sent to the customer. When returning the heater to us, package carefully to avoid shipping damage.

Ship to:
W.B. Marvin Manufacturing Co.
Inspection Department
211 Glenn Avenue
Urbana, Ohio 43078-0230

For Warranty Repairs
In the event of product failure in which the problem with your heater, and return it to you. Please allow 2 weeks.

For Out-of-Warranty Repairs
Return heater along with $10.00 explaining the problem with your heater, and return it to you. Please allow 2 weeks.

W.B. Marvin will repair or replace (at our option) your heater and return it to you. Please allow 2 weeks.

TEN-YEAR LIMITED WARRANTY
2-YEAR WARRANTY ON HEATING ELEMENTS

W.B. Marvin Manufacturing Co., the manufacturer, warrants to original purchasers of their electric heaters that W.B. Marvin heaters shall be free from electrical defects for a period of ten (10) years (2 years for heating elements) from the date of purchase. The applicability of any implied warranties is limited to the same ten (10) year (2 years for heating elements) period. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

The manufacturer is not responsible for any defect or malfunction caused by abuse or misuse occurring while the heater is in the possession of the purchaser including without limitation on uses for purposes not intended by the manufacturer.

The manufacturer is not responsible for any defect or malfunction caused by repairs attempted by others, damage in transit, abusive treatment or commercial application.

In the event of the occurrence of a defect covered by this warranty, the original purchaser shall, at its expense return the heater along with proof of purchase to the manufacturer, attention Inspection Department. If the heater is covered by this warranty, the manufacturer shall within sixty (60) days after receipt thereof return it at no cost to the original purchaser. Any questions concerning this warranty shall be directed to the Inspection Department of the manufacturer.

Your warranty gives you specific legal rights, and you also may have other rights which vary from state to state.

The W.B. Marvin Manufacturing Company
937-653-7131, Fax 937-652-1271
977-650-7313, 800-733-1706
211 Glenn Avenue, Urbana, Ohio 43078

Tools Needed for Installation:
Socket Wrench (for swivel mounting)
Phillips Head Screwdriver (for key slot mounting), Drill with 1/8" Drill Bit
Want to use your new heater in multiple locations?
Additional Mounting Brackets are available from W.B. Marvin – Brackets are $12.95 each including shipping and handling. Send check to W.B. Marvin Co.
7260 Bracket, 211 Glenn Avenue, Urbana, Ohio 43078

West Marine Laboratories
211 Glenn Avenue
Urbana, Ohio 43078-0230

3-PRONG OUTLET - SHOWN WITH ADAPTOR - SHOWN CONNECTED TO METAL SCREW OF OUTLET BOX COVER
GROUNDING PLUG
For 120-volt, this cord has a 3-prong plug as shown. An adapter is available for connecting three-prong grounding type plugs to two-slot receptacles. The green grounding type plug extending from the adapter must be connected to a separate ground such as properly grounded outlet box. This adapter should not be used if a three-slot grounded receptacle is available.

REPLACING HEATING ELEMENT OR HALOGEN LAMP

This model heater features an exclusive, replaceable heating element and halogen lamp system (patent pending). In the event that an element in this heater should break, burn out or become inefficient, you can purchase replacement heating elements and halogen lamps.

To find the nearest location of a retailer who sells Marvin® Replacement Heating Elements (Part # E1750), call our Customer Service Dept. Toll-Free between 9:00 a.m. and 5:00 p.m. EST for assistance: 1-800-723-7176. Halogen lamps (use only type T10W) are available at most hardware and home center stores.

1. Follow steps 1 & 2
   Under “Replacing Heating Element at left.”

2. Open Guard
   Remove attachment located at the bottom corner portion of the guard. This will allow the guard to swing open.

3. Remove old element
   Remove old element by grasping it near the smaller ceramic. Push the element into the larger ceramic with enough pressure to allow the end near the smaller ceramic to disengage and be removed from the heater.

4. Install new element
   Install replacement by inserting either end into the larger ceramic. Push the element far enough into the larger ceramic to allow the other end of the element to be inserted into the smaller ceramic.

5. Close Guard and re-install guard.
   Snap heater onto properly installed mounting bracket before use.

REPLACING END CAPS

WARNING: BE SURE HEATER IS TO TOUCH BEFORE ATTEMPTING ANY MAINTENANCE.

1. Remove Heater from Mounting Bracket

2. Open Guard
   Remove attachment located at the bottom corner portion of the guard. This will allow the guard to swing open.

3. Remove old lamp
   Grasp lamp and carefully push it far enough toward the side of the light reflector marked “INSERT LAMP IN THIS END CAP” and push the lamp far enough into this socket to allow the other end of lamp to slide into the opposite socket. Warning: Replacement bulb rating must not exceed 100 watts.

4. Install new lamp
   Install new lamp using clean cloth or gloves (wear above). Insert either end of the lamp into the socket, allowing the light reflector marked “INSERT LAMP IN THIS END CAP” to slide into the opposite socket.

5. Close Guard and re-install screw.
   Snap heater onto properly installed mounting bracket before use.

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Read all instructions before using this heater.

2. This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. If provided, use handles when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, paper, clothes, and curtains at least 3 feet (0.9 meters) from the front of the heater and keep them away from the sides and rear.

3. Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.

4. Always unplug heater when not in use

5. Do not operate any heater with a damaged cord or plug.

6. This heater is not intended for use in bathrooms, laundry, or other indoor locations. Never locate heater where it may fall into a bathtub or other water source.

7. Do not operate under carpeting. Do not use with throw rugs, runners, or similar materials on the floor.

8. Do not run cord under carpeting. Do not place cord over or near a radiator, heater, stove, or other heat sources.

9. To disconnect heater, turn controls to off, then remove plug from outlet.

10. Connect to properly grounded outlet only.

11. Do not do not allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.

12. To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, such as upholstery, where openings may become blocked.

13. A heater has hot and arcing or sparking points inside. Do not use in areas where gasoline, paint, or flammable liquids are used or stored.

14. According to this manual. Any other use not recommended by the manufacturer may cause fires, electric shock, or injury to persons.

15. Avoid the use of an extension cord because the extension cord may overheat and cause a risk of fire. However, if you have to use an extension cord, the cord shall be a No. 14 AWG or larger cord rated at 120 volts.

16. The white guard is an important safety feature and must be securely closed during operation or for storage. Failure to close the guard may result in injury and/or damage to the unit.

READ AND SAVE THESE IMPORTANT INSTRUCTIONS

WARNING: BE SURE HEATER IS TO TOUCH BEFORE ATTEMPTING ANY MAINTENANCE.

1. Remove Guard from Mounting Bracket

2. Open Guard

3. Remove old halogen lamp
   Grasp lamp and carefully push it far enough toward the side of the light reflector marked “INSERT LAMP IN THIS END CAP” and push the lamp far enough into this socket to allow the other end of lamp to slide out of the opposite socket.

4. Install new lamp
   Install new lamp using clean cloth or gloves. (see note above). Insert either end of the lamp into the socket, allowing the light reflector marked “INSERT LAMP IN THIS END CAP” to slide into the opposite socket. Warning: Replacement bulb rating must not exceed 100 watts.

5. Close Guard and re-install guard.
   Snap heater onto properly installed mounting bracket before use.
**GETTING STARTED: FIRST CHOOSE A MOUNTING INSTALLATION OPTION**

**MOUNTING BRACKET**

1. **Select a ceiling tile in the desired location and a mounting installation option** (either Swivel or Key Slot installation, see previous page for option descriptions). (Note: heater should be at least 36" away from the nearest wall or other combustible material.)

2. **Inspect heater for damage which may have occurred during shipment. DO NOT operate if any damage is noted. Return damaged heater to retailer or factory for repair or replacement.**

3. **Mounting To 1 Joist - Fig. B**
   - 1. Drill a 1/8" hole into the joist. Using the center hole in the mounting bracket (Fig. A), pass the bolt through the hole and place the washer on the bolt. Push the assembly to the drilled joist hole and insert the bolt into the hole. Using a socket wrench, tighten the bolt until the bracket is snug against the ceiling.
   - 2. **Swivel Mounting** or **"Swivel Mounting Board."**
   - 3. Using the mounting bracket as a template, line up one of the key slots at each end of the bracket with one of the holes in the bracket. With the two screws provided leaving about 1/4" between the head of the screw and the mounting surface. Slip the mounting bracket over the screw head and slide the bracket to engage the screws in the slots. Tighten screws securely.

4. **Swivel Mounting Inst**
   - 1. Set Snug Mounting Board To Mounting Holes (if required)
   - 2. Mounting To 2 Joists - Fig. C
      - 1. Using the mounting bracket as a template, line up one of the key slots at each end of the bracket with one of the holes in the bracket. With the two screws provided leaving about 1/4" between the head of the screw and the mounting surface. Slip the mounting bracket over the screw head and slide the bracket to engage the screws in the slots. Tighten screws securely.

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**Suspending Ceiling Mounting Installation**

1. **Suspended Ceiling Mounting Installation**
   - 1. Select an unaltered ceiling joist location and a mounting installation option (either Swivel or Key Slot installation, see previous page for option descriptions). (Note: heater should be at least 36" away from the nearest wall or other combustible material.)
   - 2. Using the mounting bracket as a template, line up the mark with the appropriate hole location(s).
   - 3. Construct a Mounting Board. See "Installing a Mounting Board" on the previous page. Note: the length of the board should be 20.75" long.
   - 4. Remove the marked hole from the ceiling. Position the mounting board behind the hole and behind the marked hole location(s). Make sure the ends of the mounting board and the file are aligned.
   - 5. Drill 1/8" hole(s) through the file and the mounting board shown marked.
   - 6. Using the hand screws supplied, attach the mounting bracket to the mounting board with the centerline of the grille aligned. (See Fig. E below)
   - 7. Reinstall assembled heater bracket. Use a 1/8" drill bit to drill the key slots in the mounting bracket. See "Attaching Heater To Mounting Bracket" on the previous page to install heater.

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**Swivel - Center Hole Mounting Installation (if required)**

1. **Select a ceiling tile in the desired location and a mounting installation option** (either Swivel or Key Slot installation, see previous page for option descriptions). (Note: heater should be at least 36" away from the nearest wall or other combustible material.)

2. Using the mounting bracket as a template, line up the mark with the appropriate hole location(s).

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**Attaching Heater To Mounting Bracket**

1. **Operate Your Heater**
   - 1. Your heater is equipped with rotating arms at each end of the unit. To conserve space in their original position.
   - 2. Removing the arms slowly upward until they are perpendicular to the body. For safety reasons, once rotated, the arms cannot be returned to their original position.
   - 3. Set Power Setting Indicator to the desired position by pulling the pull cord. See illustration below.

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**Removing Heater From Mounting Bracket**

1. **Unplug heater and allow to cool.**
   - 2. Push in the two tabs on the outside of each arm.
   - 3. Grasp both arms and simultaneously pull the arm downward until the tab in the arm slips out of the key slots.

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**Cleaning**

1. **Metal parts of the housing get very hot and can cause a burn. Always turn your heater off and allow time for it to cool before adjusting.**

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**Operating Instructions**

Inspect heater for damage which may have occurred during shipment. DO NOT operate if any damage is noted. Return damaged heater to retailer or factory for repair or replacement.

1. **Inspect heater for damage which may have occurred during shipment. DO NOT operate if any damage is noted. Return damaged heater to retailer or factory for repair or replacement.**

2. **Mounting To 2 Joists - Fig. C**

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**Swivel Mounting Installation**

1. Select a ceiling tile in the desired location and a mounting installation option (either Swivel or Key Slot installation, see previous page for option descriptions). (Note: heater should be at least 36" away from the nearest wall or other combustible material.)

2. Using the mounting bracket as a template, line up the mark with the appropriate hole location(s).

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**OFF**

1. Off Position
   - 1. Light only
   - 2. Position 1: 100 watts.
   - 4. Position 3: 1500 watts

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**Interior and Exterior:**

1. Never use any harsh or abrasive cleaners on the heater.
2. Clean exterior with a soft damp cloth and mild detergent.
3. To clean interior, first remove the heater from the mounting bracket. (See installation instructions)

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**Warning:**

Do not pour water on or submerge any portion of heater in water or any other liquid. Always allow the heater to cool completely. Do not pour water on or submerge any portion of heater in water or any other liquid.