



# Operating Manual

Please Read Before Operating Unit



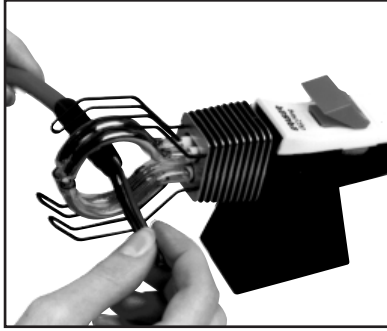
## Glo-Ring® Infrared Heat Tools

Please Call for Service or Spare Parts

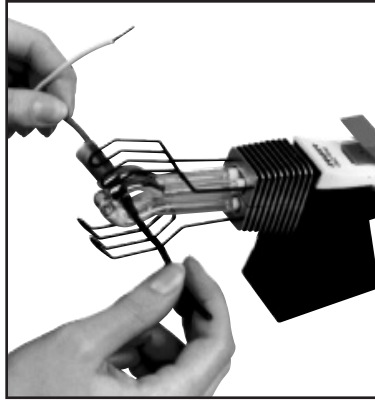
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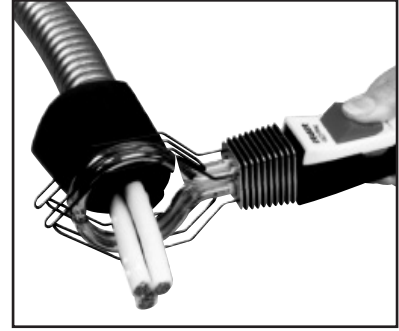
# GLO-RING® INFRARED HEAT TOOLS



UNIT BEING USED AS BENCH MODEL  
WITH LOCK-ON BUTTON  
AND BENCH STAND.



FITTED WITH 1/2" DIAMETER  
ELEMENTS. WORKING ON  
SOLDER SLEEVE.



FITTED WITH 2" DIAMETER  
ELEMENTS. SHRINKING LARGE  
TUBING ON CABLE.

## ORDERING INFORMATION

### Part/Model:

AH2001 (LH115).....Hand Glo-Ring® and bench stand and variable temperature control, 115V 50/60Hz

### Included Parts:

PH3007.....Bench Stand for hand-held Glo-Ring®

### Guards:

IH6517 ..... One pair 1/2" (12.7mm) wire guards  
IH3551 ..... One pair 1" (25.4mm) wire guards  
IH3552 ..... One pair 2" (50.8mm) wire guards  
IH3553 ..... One pair 3" (76.2mm) wire guards

### Intermittent-Rated Elements (for Handheld Use):

IH3511 ..... 1/2" (12.7mmø) diameter intermittent element 115V 50/60Hz  
IH4511 ..... 1" (25.4mmø) diameter intermittent element 115V 50/60Hz  
IH4512 ..... 2" (50.8mmø) diameter intermittent element 115V 50/60Hz  
IH4513 ..... 3" (76.2mmø) diameter intermittent element 115V 50/60Hz

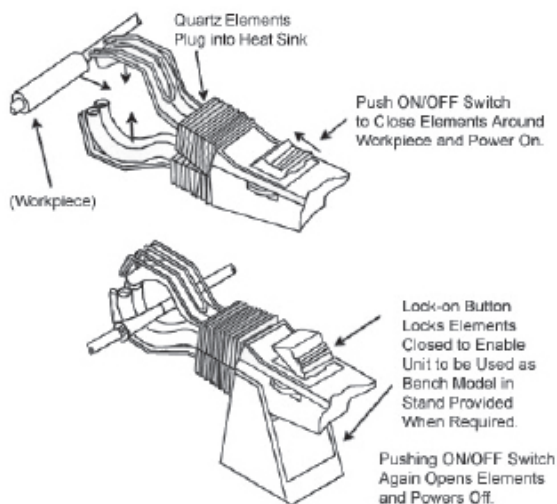
**NOTE: Intermittent elements should not be left on continuously for more than two minutes.**

### Continuous-Rated Elements (when used with Bench Stand):

IH6515 ..... 1/2" (12.7mmø) diameter continuous element 115V 50/60Hz  
IH5511 ..... 1" (25.4mmø) diameter continuous element 115V 50/60Hz  
IH5512 ..... 2" (50.8mmø) diameter continuous element 115V 50/60Hz  
IH5513 ..... 3" (76.2mmø) diameter continuous element 115V 50/60Hz

**NOTE: Continuous elements must be fitted if unit is to remain on for more than two minutes.**

## OPERATION



## MODEL LH115 SPECIFICATIONS

Part Number .....AH2001

Maximum, Minimum Element Temperatures: See Charts

Power Input ..... 120V, 50/60 Hz

### Power Outputs:

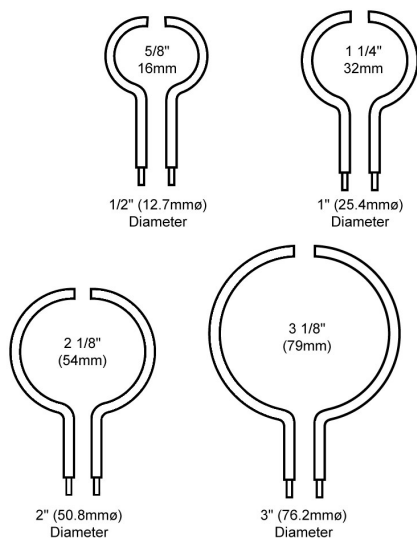
|                                |                   |
|--------------------------------|-------------------|
| With 1/2" Elements Fitted..... | Continuous 206W   |
|                                | Intermittent 264W |
| With 1" Elements Fitted.....   | Continuous 206W   |
|                                | Intermittent 348W |
| With 2" Elements Fitted.....   | Continuous 287W   |
|                                | Intermittent 348W |
| With 3" Elements Fitted.....   | Continuous 348W   |
|                                | Intermittent 440W |

Weight .....10 oz. (280 g.)

Size..... 7 1/2" x 1 3/4" x 1 1/2"  
(191mm x 44mm x 38mm)

## ELEMENTS:

Dimensions of internal diameter of elements in closed position.



Most elements are available in intermittent and continuously rated duty cycles. Intermittent elements heat up quicker and get hotter than continuous elements.

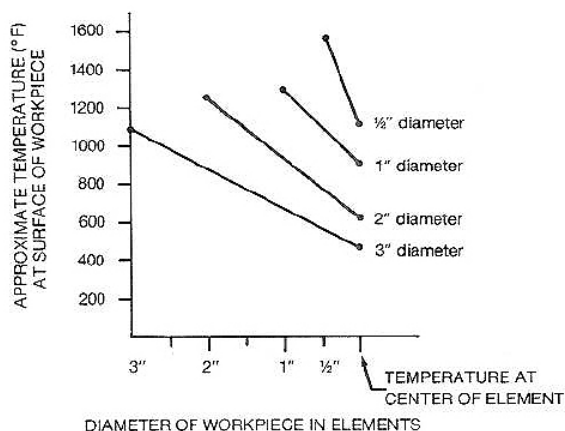
**\*\*Continuous elements MUST be fitted if unit is to remain continuously on for more than 2 minutes.**

**\*\*Intermittent elements should not be left on continuously for more than 2 minutes.**

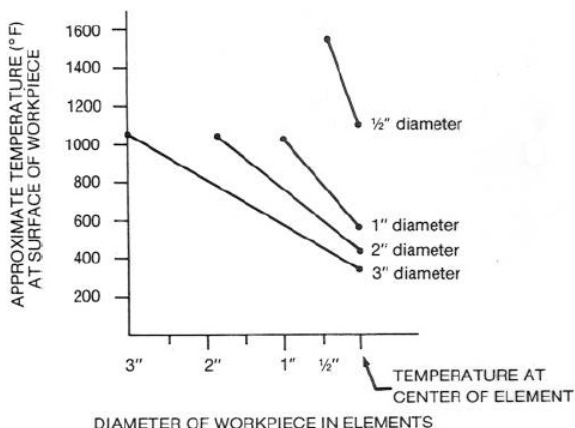
## Element Temperatures

*All Temperatures Are Approximate*

### Intermittent Elements



### Continuous Elements



# GLO-RING® INFRARED HEAT TOOLS

## OPERATING INSTRUCTIONS

### SET-UP:

All hand-held Glo-Ring® units are packaged in Styrofoam boxes. The box will contain the hand piece and a bench stand. The unit is designed for use with a 115V, 50/60Hz mains supply. Use a properly grounded mains supply when using the Glo-Ring® hand tool.

To set up for use, assemble the hand piece and quartz elements, ordered separately, by firmly grasping the element near the base and gently inserting the two contact pins into the sockets of the heat sinks on the hand piece. Insert both elements and be sure the elements are pushed in all the way. Then install the wire guards into the holes drilled on the top of the heat sinks.

**! CAUTION: Never use elements which have any broken quartz glass. Replace elements if elements are cracked or broken. Environmental conditions for proper operation should be 50°F - 104°F (10°C - 40°C) and 30-75% relative humidity. The operation of the Glo-Ring® heat tool should be in an open well-ventilated work space. This heat tool may be affected by outside environmental disturbances.**

### OPERATION:

The hand-held units are available with or without variable heat control. Units with the heat control have a plastic dial located on the lefthand side of the hand piece which is rotated to provide varying element temperatures.

The unit may be used either hand-held or stationary on the bench stand provided. If using the bench stand, it is recommended that the stand be secured to the bench. Push the hand piece of the unit into the bench stand to hold it. Slide the On/Off button towards the elements to activate the unit, and release to shut it off. If desired, the elements may be locked on by tipping the On/Off switch upwards while pushed forward. If using the unit on the bench stand, turn the unit ON and lock the button, adjust the temperature control if applicable and move the material to be heated, through the elements. If using the unit hand-held, move the tool along the length of the material to be heated until the desired

results have been achieved.

**! CAUTION: When working around the elements caution should be used due to the high temperatures of the elements and wire guards. If the unit is being used intermittently, use the intermittent elements, which will heat up faster. If using the unit in a continuous mode, on the bench stand with the lock-on button engaged, use the continuous elements. See "Ordering Information" for details on elements sizes and types.**

**! CAUTION: Using intermittent elements in the continuous mode for longer than 2 minutes may cause them to burn out prematurely.**

### REPLACEMENT OF ELEMENTS:

Disconnect the hand piece from the mains supply by unplugging the power supply cord. Make certain that the elements have had sufficient time to cool down. Firmly grasp the base of the element and gently work the element out of the heat sink. This procedure must be done for both elements. When inserting new elements reverse the procedure making certain that both elements are pushed in all the way.

**! CAUTION: The Glo-Ring® Infrared Heat Tools in operation, generate significant heat and should be treated with respect. Do not leave units unattended when turned ON. When changing elements, be sure unit is unplugged from the power source and that the elements are completely cooled to the touch. The elements are manufactured from quartz glass. If dropped or knocked sharply, they will break. If elements are broken, replace immediately.**

### MAINTENANCE:

Keep units clean at all times and ensure that elements and wire guards are securely installed. No cleaning should be required in normal usage. No other maintenance is required.

### TROUBLE SHOOTING:

If one, or both elements in a pair do not heat, replace them.

# GLO-RING® INFRARED HEAT TOOLS

**IMPORTANT! DO NOT OPERATE MACHINE UNTIL YOU HAVE READ THOROUGHLY, AND UNDERSTAND COMPLETELY, ALL PRECAUTIONS, INSTRUCTIONS AND INFORMATION ON THESE PAGES. THIS MANUAL CONTAINS IMPORTANT SAFETY AND OPERATING INSTRUCTIONS. IT SHOULD BE RETAINED WITH THE MACHINE FOR FUTURE REFERENCE.**

## **SAFETY PRECAUTIONS - MECHANICAL**

**! DO NOT OPERATE UNIT WITHOUT GUARDS IN PLACE OR WITH DAMAGED GUARDS.**

**! DO NOT DEFEAT ANY OF THE SAFETY FEATURES.**

**! DO NOT PLACE FINGERS OR APPENDAGES NEAR MOVING PARTS OR IN OR NEAR OPENINGS IN GUARDS.**

## **SAFETY PRECAUTIONS - ELECTRICAL**

**! ALWAYS UNPLUG UNIT FROM POWER SUPPLY PRIOR TO ANY MAINTENANCE.**

**! DO NOT RUN UNIT WITH INCORRECT LINE VOLTAGE.**

**! NEVER RUN MACHINE WITH DAMAGED OR WORN POWER CORD.**

**! NEVER MODIFY THE PLUG PROVIDED. IF IT WILL NOT FIT INTO THE OUTLET, HAVE THE PROPER OUTLET INSTALLED BY A QUALIFIED ELECTRICIAN.**

**GROUNDING INSTRUCTIONS.** Grounding provides a common return path for electric current to reduce the risk of electric shock. This machine is supplied with an electric cord with an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a licensed electrician if in doubt as to whether the machine is properly grounded.

## **SAFETY FIRST - USE BEST PRACTICES**

**ALWAYS USE SAFETY GLASSES.** Everyday eyeglasses only have impact resistant lenses; they are NOT safety glasses. Also use face or dust mask if cutting operation is dusty.

## **REMOVE ADJUSTING KEYS AND WRENCHES.**

Form a habit of checking to see that keys and adjusting wrenches are removed from machine before turning it on.

**KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents. Always leave at least 12" (305 mm) of space around all sides and top of unit.

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## **DON'T USE IN DANGEROUS ENVIRONMENTS.**

Do not use or locate machine in high humidity environments, or expose to rain. Keep work areas lighted well.

**WEAR PROPER APPAREL** Do not wear loose clothing, such as gloves, neckties, rings, bracelets, necklaces or any other clothing or jewelry that might get caught in moving parts. This is not an all-inclusive list. Wear protective hair covering to contain long hair. Non-slip footwear is recommended.

**DON'T OVERREACH.** Maintain proper footing and balance at all times.

**MAINTAIN BLADES WITH CARE.** Keep blades sharp and clean for optimal performance. Follow instructions for lubricating and changing blades and all accessories.

**DISCONNECT MACHINE FROM POWER SUPPLY.** Unplug the unit before servicing and when changing accessories.

**DO NOT EXCEED THE UNIT'S MAXIMUM MATERIAL SPECIFICATIONS.** Eraser's warranty will be null and void if machine has been used in any manner that is contrary to these instructions.

**CHECK FOR DAMAGED PARTS.** Before continued use of the machine, the guard and all moving parts should be carefully inspected to ensure that nothing is damaged.

Ensure proper alignment of moving parts. Check for any binding of moving parts, breakage of parts, and any other condition(s) that may affect operation. Any damaged part(s) should be properly repaired or replaced prior to any continued use of the machine.

**ONLY ALLOW TRAINED AND QUALIFIED PERSONNEL TO OPERATE UNIT.** Always keep these instructions within reach of the machine.

**USE RECOMMENDED ACCESSORIES ONLY.** Consult this operating manual for recommended accessories. Use only parts supplied by The Eraser Company, Inc. Use of improper accessories will void Eraser's warranty and may increase risk of injury.

**ALL REPAIRS SHOULD BE PERFORMED BY AN ERASER COMPANY REPRESENTATIVE ONLY.** Unauthorized disassembly of machines will void Eraser's warranty.

**WHEN USING MACHINERY, ALL SAFETY PRECAUTIONS -INCLUDING, BUT NOT LIMITED TO, THOSE LISTED ABOVE -SHOULD BE FOLLOWED TO REDUCE THE RISKS OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY, AND DEATH.**

**IMPORTANT: NO LIABILITY WILL BE INCURRED BY THE ERASER CO. FOR INJURY, DEATH, OR PROPERTY DAMAGE CAUSED BY A PRODUCT WHICH HAS BEEN SET UP, OPERATED, AND/OR INSTALLED CONTRARY TO ERASER'S WRITTEN OPERATING MANUAL, OR WHICH HAS BEEN SUBJECTED TO MISUSE, NEGLIGENCE, OR ACCIDENT, OR WHICH HAS BEEN REPAIRED OR ALTERED BY ANYONE OTHER THAN THE ERASER COMPANY, OR WHICH HAS BEEN USED IN A MANNER OR FOR A PURPOSE FOR WHICH THE PRODUCT WAS NOT DESIGNED.**

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