

# Owner's Manual & Safety Instructions

**Save This Manual** Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

23k

# WARRIOR™

## 1500 WATT DUAL TEMPERATURE HEAT GUN



Visit our website at: <http://www.harborfreight.com>  
Email our technical support at: [productsupport@harborfreight.com](mailto:productsupport@harborfreight.com)

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When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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### **⚠ WARNING**





**Read this material before using this product.  
Failure to do so can result in serious injury.  
SAVE THIS MANUAL.**

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# WARRIOR™

### WARNING SYMBOLS AND DEFINITIONS

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
 <b>DANGER</b>	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
 <b>WARNING</b>	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
 <b>CAUTION</b>	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
<b>NOTICE</b> <b>CAUTION</b>	Addresses practices not related to personal injury.

## IMPORTANT SAFETY INSTRUCTIONS

### READ THESE INSTRUCTIONS

#### Heat Gun Safety Warnings

**WARNING:** Extreme care should be taken when stripping paint. The peelings, residue and vapors of paint may contain lead, which is poisonous. Any pre-1977 paint may contain lead and paint applied to homes prior to 1950 is likely to contain lead. Once deposited on surfaces, hand-to-mouth contact can result in the ingestion of lead. Exposure to even low levels of lead can cause irreversible brain and nervous system damage; young and unborn children are particularly vulnerable. Before beginning any paint removal process you should determine whether the paint you are removing contains lead. This can be done by your local health department or by a professional who uses a paint analyzer to check the lead content of the paint to be removed. **LEAD-BASED PAINT SHOULD ONLY BE REMOVED BY A PROFESSIONAL AND SHOULD NOT BE REMOVED BY USING A HEAT GUN.**

Persons removing paint should follow these guidelines:

1. Move the work piece outdoors.  
If this is not possible, keep the work area well ventilated. Open the windows and put an exhaust fan in one of them. Be sure the fan is moving the air from inside to outside.
2. Remove or cover any carpets, rugs, furniture, clothing, cooking utensils and air ducts.
3. Place drop cloths in the work area to catch any paint chips or peelings. Wear protective clothing such as extra work shirts, overalls and hats.

4. Work in one room at a time. Furnishings should be removed or placed in the center of the room and covered. Work areas should be sealed off from the rest of the dwelling by sealed doorways with drop cloths.
5. Children, pregnant or potentially pregnant women, and nursing mothers should not be present in the work area until the work is done and all clean up is complete.
6. Wear a dust respirator mask or a dual filter (dust and fume) respirator mask which has been approved by the Occupational Safety and Health Administration (OSHA), the National Institute of Safety and Health (NIOSH), or the United States Bureau of Mines. These masks and replaceable filters are readily available at major hardware stores. Make sure the mask fits. Beards and facial hair may keep masks from sealing properly. Change filters often. **DISPOSABLE PAPER MASKS ARE NOT ADEQUATE.**
7. Use caution when operating the Heat Gun. Keep the Heat Gun moving as excessive heat will generate fumes which can be inhaled by the operator.
8. Keep food and drink out of the work area. Wash hands, arms and face and rinse mouth before eating or drinking. Do not smoke or chew tobacco in the work area.
9. Clean up all removed paint and dust by wet mopping the floors. Use a wet cloth to clean all walls, sills and any other surface where paint or dust is clinging. **DO NOT SWEEP, DRY DUST OR VACUUM.** Use a high phosphate detergent or trisodium phosphate (TSP) to wash and mop areas.
10. At the end of each work session put the paint chips and debris in a double plastic bag, close it with tape or twist ties and dispose of properly.
11. Remove protective clothing and work shoes in the work area to avoid carrying dust into the rest of the dwelling. Wash work clothes separately. Wipe shoes off with a wet rag that is then washed with the work clothes. Wash hair and body thoroughly with soap and water.
12. Hidden areas behind walls, ceilings, floors, soffit boards, and other panels may contain flammable materials that could be ignited by the heat gun when working in these locations. The ignition of these materials may not be readily apparent and could result in property damage and injury to persons. When working in these locations, keep the heat gun moving in a back-and-forth motion. Linger or pausing in one spot could ignite the panel or the material behind it.
13. **CAUTION** – To reduce the risk of electric shock, keep extension cord connection dry and off the ground.
14. When working with plastics, varnish, or similar materials, gases develop that are easily flammable and can lead to explosions. Be prepared for flames to develop and keep suitable fire extinguishing means at hand.
15. The Nozzle becomes very hot. Do not lay the Heat Gun on flammable surfaces when operating the Gun or immediately after turning the Gun off. Always set the Heat Gun on a flat, level surface so that the Nozzle tip is directed upwards and away from the supporting surface.
16. Do not use the Heat Gun near flammable materials.
17. Do not point the Heat Gun at people or animals. The intense heat can injure them.
18. Do not touch the tube of the heating element or the Nozzle when they are hot. They will be hot enough to cause burns during use and for some time afterwards.
19. Do not use the Heat Gun on glass.
20. Do not use the Heat Gun as a hair dryer.
21. Do not heat up materials that can be damaged by high temperatures.

## Personal safety

1. Only use safety equipment that has been approved by an appropriate standards agency. Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.
2. Avoid unintentional starting. Prepare to begin work before turning on the tool.
3. Do not leave the tool unattended when it is plugged into an electrical outlet. Turn off the tool, and unplug it from its electrical outlet before leaving.
4. This product is not a toy. Keep it out of reach of children.

5. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure. In addition, people with pacemakers should:
  - Avoid operating alone.
  - Do not use with Power Switch locked on.
  - Properly maintain and inspect to avoid electrical shock.
  - Properly ground power cord.Ground Fault Circuit Interrupter (GFCI) should also be implemented – it prevents sustained electrical shock.
6. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

## Service

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1. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*
2. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.



**SAVE THESE INSTRUCTIONS.**

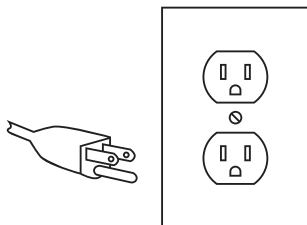
## ⚠ WARNING



### TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION:

Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the tool. Never remove the grounding prong from the plug. Do not use the tool if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

## Grounded Tools: Tools with Three Prong Plugs

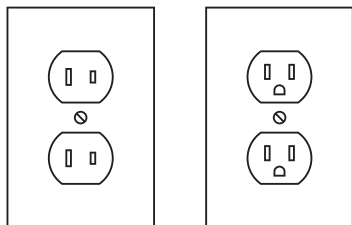


**3-Prong Plug and Outlet**

1. Tools marked with "Grounding Required" have a three wire cord and three prong grounding plug. The plug must be connected to a properly grounded outlet. If the tool should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user, reducing the risk of electric shock. (See 3-Prong Plug and Outlet.)

2. The grounding prong in the plug is connected through the green wire inside the cord to the grounding system in the tool. The green wire in the cord must be the only wire connected to the tool's grounding system and must never be attached to an electrically "live" terminal. (See 3-Prong Plug and Outlet.)
3. The tool must be plugged into an appropriate outlet, properly installed and grounded in accordance with all codes and ordinances. The plug and outlet should look like those in the preceding illustration. (See 3-Prong Plug and Outlet.)

## Double Insulated Tools: Tools with Two Prong Plugs



**Outlets for 2-Prong Plug**

1. Tools marked "Double Insulated" do not require grounding. They have a special double insulation system which satisfies OSHA requirements and complies with the applicable standards of Underwriters Laboratories, Inc., the Canadian Standard Association, and the National Electrical Code.
2. Double insulated tools may be used in either of the 120 volt outlets shown in the preceding illustration. (See Outlets for 2-Prong Plug.)

# Extension Cords

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1. ***Grounded*** tools require a three wire extension cord. ***Double Insulated*** tools can use either a two or three wire extension cord.

2. As the distance from the supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage. (See Table A.)

3. The smaller the gauge number of the wire, the greater the capacity of the cord. For example, a 14 gauge cord can carry a higher current than a 16 gauge cord. (See Table A.)

4. When using more than one extension cord to make up the total length, make sure each cord contains at least the minimum wire size required. (See Table A.)


5. If you are using one extension cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum cord size. (See Table A.)

6. If you are using an extension cord outdoors, make sure it is marked with the suffix "W-A" ("W" in Canada) to indicate it is acceptable for outdoor use.
7. Make sure the extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it.

8. Protect the extension cords from sharp objects, excessive heat, and damp or wet areas.

TABLE A: RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS* (120/240 VOLT)					
NAMEPLATE AMPERES (at full load)	EXTENSION CORD LENGTH				
	25'	50'	75'	100'	150'
0 – 2.0	18	18	18	18	16
2.1 – 3.4	18	18	18	16	14
3.5 – 5.0	18	18	16	14	12
5.1 – 7.0	18	16	14	12	12
7.1 – 12.0	18	14	12	10	-
12.1 – 16.0	14	12	10	-	-
16.1 – 20.0	12	10	-	-	-
* Based on limiting the line voltage drop to five volts at 150% of the rated amperes.					

Symbology

	Double Insulated
<b>V</b>	Volts
~	Alternating Current
<b>A</b>	Amperes
n <sub>0</sub> xxxx/min.	No Load Revolutions per Minute (RPM)

	WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved safety goggles with side shields.
	Read the manual before set-up and/or use.
	WARNING marking concerning Risk of Fire. Do not cover ventilation ducts. Keep flammable objects away.
	WARNING marking concerning Risk of Electric Shock. Properly connect power cord to appropriate outlet.

## Specifications

Electrical Rating	120V~ / 60Hz / 1500W / Class II
Heat Temperature	Low Setting: 700° F (Maximum) High Setting: 1000° F (Maximum)
Adjustable Heat Setting Type	Three-Way Rocker Switch

## Setup - Before Use:



Read the **ENTIRE IMPORTANT SAFETY INSTRUCTIONS** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

## Functions



## Product Applications

When observing safety rules, Heat Gun is designed for applications with hot air listed below:

- Shrinking of heat shrink tubing, solder connectors and solder terminals, packaging and electrical components.
- Deforming of articles made from acrylic, PVC, and polystyrene tubing, plates, and profiles as well as most woods.
- Welding of thermoplastic polymer, flooring materials of PVC and linoleum, PVC-coated fabric, tarpaulins and foils.
- Soldering of tin, special silver solder, SMD elements, cable lugs, and for loosening soldered connections.
- Paint removal. Removal of old and even thick coatings of oil paint, varnish, and synthetic plaster.
- Drying color shade samples, filter, adhesives, construction joints and stucco forms.
- Joining adhesives. Large surface gluing with contact adhesives, activation of pressure sensitive adhesives, acceleration of bonding processes, releasing of bonding points (releasing or bonding edge bond or veneer).
- Defrosting of icy stairs and steps, door locks, trunk lids, car doors or water pipes, as well as for defrosting refrigerators and ice boxes.
- Disinfection. With the tool set at 1000° Fahrenheit, animal sites/stables may be disinfected. Woodworm infestation may be controlled.

**CAUTION! TO PREVENT INJURY:** Danger of fire. Do not overheat the wood.



## Operating Instructions



Read the **ENTIRE IMPORTANT SAFETY INSTRUCTIONS** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

### **⚠ WARNING**

#### **TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:**

**Make sure that the Power Switch is in the off-position and unplug the tool from its electrical outlet before performing any procedure in this section.**

## Workpiece and Work Area Set Up

1. Designate a work area that is clean and well lit. The work area must not allow access by children or pets to prevent distraction and injury.
2. Route the power cord along a safe route to reach the work area without creating a tripping hazard or exposing the power cord to possible damage. The power cord must reach the work area with enough extra length to allow free movement while working.
3. Secure loose workpieces using a vise or clamps (not included) to prevent movement while working.
4. There must not be objects, such as utility lines, nearby that will present a hazard while working.
5. Remove all flammable and heat sensitive materials from the work area.
6. Plan an insulated, non-flammable surface for the gun to cool down on after use.
7. Keep multiple class ABC fire extinguishers readily accessible while working and while workpiece cools.

## General Instructions for Use

1. Make sure Power Switch is in the "0" off-position, then plug tool into 120VAC, grounded, electrical outlet.
2. To turn on Heat Gun, set Power Switch to "I" or "II".
  - **Switch "I"** - Low temperature position (700° Fahrenheit maximum). Use for mild heating applications, e.g., heat shrink tube, heat shrink bag, plastic bending, shaping and welding, and removing old paint coating.
  - **Switch "II"** - High temperature position (1000° Fahrenheit maximum). Use for intense heating applications, e.g., frozen water pipe, defrosting refrigerator, and metal welding.
3. Allow Heat Gun one minute to build up to the desired heat level.

#### **WARNING! TO PREVENT SERIOUS INJURY:**

**Do not leave the Heat Gun unattended while pointed at surfaces or objects.**

#### **WARNING! TO PREVENT SERIOUS INJURY: Do not touch work area with the Heat Gun; it could scorch or ignite.**

3. To turn off Heat Gun, set Power Switch to "I", then set Power Switch to "0" (This method cools down the Heating Element properly to extend Heat Gun life).
4. To prevent accidents, unplug tool after use. Allow Heat Gun to cool down on an insulated, non-flammable surface.

#### **WARNING! TO PREVENT SERIOUS INJURY: Do not leave work area until workpiece has cooled. Be alert for indications of concealed fire.**

5. Clean, then store the tool indoors out of children's reach.

## Maintenance and Servicing Instructions



Procedures not specifically explained in this manual must be performed only by a qualified technician.

### **!WARNING**

#### **TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:**

Make sure that the Power Switch is in the off-position and unplug the tool from its electrical outlet before performing any procedure in this section.


#### **TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:**

Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

## Cleaning, Maintenance, and Lubrication

1. **CONFIRM** tool is disconnected from power outlet and has completely cooled.
2. **BEFORE EACH USE**, inspect the general condition of the tool. Check for:
  - loose hardware,
  - misalignment or binding of moving parts,
  - damaged cord/electrical wiring,
  - cracked or broken parts, and
  - any other condition that may affect its safe operation.
3. **AFTER USE**, wipe external surfaces of the tool with clean cloth. Do not use solvents.
4. **CAUTION! TO PREVENT INJURY:** All maintenance, service, and repairs not mentioned in this manual must only be performed by a qualified service technician.
5. **!WARNING! TO PREVENT SERIOUS INJURY:** If the plug or the supply cord of this power tool is damaged, it must be replaced only by a qualified service technician.

# Troubleshooting

Problem	Possible Causes	Likely Solutions
Heat Gun will not turn ON	1. Power Switch set at "0". 2. No power at outlet. 3. Cord not connected. 4. Internal damage or failure.	1. Turn Power Switch to "I" or "II". 2. Check power at outlet. 3. Check that cord is plugged in. 4. Have technician service tool.
Unsatisfactory results	1. Improper heat setting 2. Improper extension cord.	1. Adjust heat setting ("I" or "II") for correct application. 2. Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load. See <i>Extension Cords</i> in <i>Grounding</i> section on page 5.
<div> Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.</div>		

SAFETY

SETUP

OPERATION

MAINTENANCE

Record Product's Serial Number Here: \_\_\_\_\_

**Note:** If product has no serial number, record month and year of purchase instead.

**Note:** Replacement parts may be available for this item.  
Visit [harborfreight.com/parts](https://harborfreight.com/parts) for a list of in stock parts. Reference UPC 193175526977.

## Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. **THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.**

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

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



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