

# HERCULES®

## Owner's Manual & Safety Instructions

19k



**Model  
HC105B**

**Battery and Charger Sold Separately  
20V Cordless Compact Heat Gun**

**▲WARNING: To prevent serious injury, User must read and understand Owner's Manual. SAVE THIS MANUAL.**

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. Reference 56815.

# IMPORTANT SAFETY INSTRUCTIONS

## READ THESE INSTRUCTIONS

### **⚠️ WARNING**

Read all safety warnings, instructions, illustrations and specifications provided with this power tool.

Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

### **Work Area Safety**

1. **Keep work area clean and well lit.**  
*Cluttered or dark areas invite accidents.*
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*
3. **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*
3. Prevent unintentional starting. **Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
4. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

### **Electrical Safety**

1. Power tool plugs must match the outlet. **Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
2. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
3. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
4. Do not abuse the cord. **Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
5. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
6. If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply. Use of a GFCI reduces the risk of electric shock.
5. Do not overreach. **Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
6. Dress properly. **Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
7. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.
8. Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.
9. 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.
10. Do not leave the tool unattended when the Battery Pack is connected. Turn off the tool, and remove the Battery Pack before leaving.
11. This product is not a toy.  
Keep it out of reach of children.

### **Personal Safety**

12. 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.
13. 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.

## Power Tool Use and Care

1. Do not force the power tool. **Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
2. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
4. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
5. Maintain power tools and accessories. **Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
6. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. Use the power tool, accessories and tool bits etc. **in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
8. Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

## Service

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.

## Heat Gun Safety Warnings

1. **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. Lingered or pausing in one spot could ignite the panel or the material behind it.
2. **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 USING A HEAT GUN.**
3. **Persons removing paint should follow these guidelines:**
  - a. 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.
  - b. Remove or cover any carpets, rugs, furniture, clothing, cooking utensils and air ducts.
  - c. 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.

- d. 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.
  - e. 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.
  - f. 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.**
  - g. 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.
  - h. 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.
  - i. 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.
  - j. 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.
  - k. 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.
4. 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.
  5. 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.
  6. Do not use the Heat Gun near flammable materials.
  7. Do not point the Heat Gun at people or animals. The intense heat can injure them.

## Battery tool use and care

1. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the power tool. Carrying the power tool with your finger on the switch or energizing power tool that have the switch on invites accidents.
2. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tool. Such preventive safety measures reduce the risk of starting the power tool accidentally.
3. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
4. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
5. When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
6. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
7. Do not use a battery pack or power tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
8. Do not expose a battery pack or power tool to fire or excessive temperature. Exposure to fire or temperature above 265°F may cause explosion.
9. Follow all charging instructions and do not charge the battery pack or power tool outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
10. Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
11. Do not modify or attempt to repair the power tool or the battery pack except as indicated in the instructions for use and care.

12.  The battery Charger gets hot during use. The Charger's heat can build up to unsafe levels and create a fire hazard if it does not receive adequate ventilation, due to an electrical fault, or if it is used in a hot environment. Do not place the Charger on a flammable surface. Do not obstruct any vents on the Charger. **Especially avoid placing the Charger on carpets and rugs; they are not only flammable, but they also obstruct vents under the Charger.** Place the Charger on a stable, solid, nonflammable surface (such as a stable metal workbench or concrete floor) at least 1 foot away from all flammable objects, such as drapes or walls. Keep a fire extinguisher and a smoke detector in the area. Frequently monitor the Charger and Battery Pack while charging.

## Lithium Battery Safety Warnings



1. Lithium batteries store a large amount of energy and will vent fire or explode if mistreated:
2. Keep Battery Pack dry.
3. DO NOT DO ANY OF THE FOLLOWING TO THE BATTERY PACK:
  - **Open,**
  - **Drop,**
  - **Short-circuit,**
  - **Puncture,**
  - **Incinerate, or**
  - **Expose to temperatures greater than 265°F.**
4. Charge Battery Pack only according to its Charger's instructions.
5. Inspect Battery Pack before every use; do not use or charge if damaged.
6. Contains Li-Ion battery. Battery must be recycled or disposed of properly. Do not open, crush, heat above 140° F or incinerate.



**SAVE THESE  
INSTRUCTIONS.**

## Grounding

### **⚠️ WARNING**



**TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING:** 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 charger. Do not use the charger 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.

## Extension Cords

Extension cords must not be used with this item's Charger.

## Symbology

	Double Insulated
	Volts
	Alternating Current
	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 Charger ventilation ducts. Charge on fireproof surface only.
	WARNING marking concerning Risk of Electric Shock. Properly connect Charger's power cord to appropriate outlet.
	WARNING marking concerning Risk of Explosion. Do not puncture, short, or open battery packs and do not charge damaged battery packs.

## 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.

**⚠️ DANGER** Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

**⚠️ WARNING** Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

**⚠️ CAUTION** Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

**NOTICE** Addresses practices not related to personal injury.

## Specifications

Battery Charger	Hercules 20V Li-ion (sold separately)
Battery Pack	Hercules 20V Li-ion (sold separately)
Maximum Temperature	905° F

## Setup - Before Use:

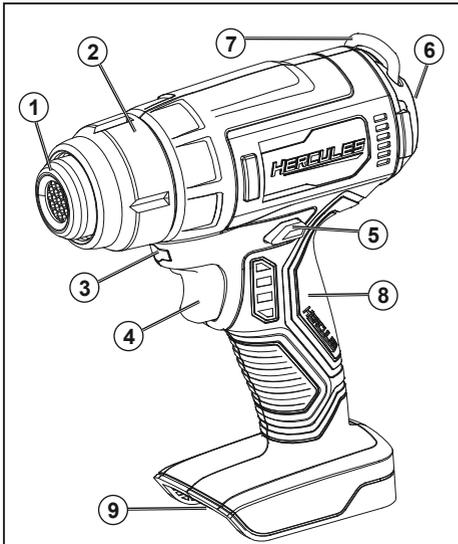


Read the **ENTIRE IMPORTANT SAFETY INSTRUCTIONS** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

## Charging

Charge battery after unpacking and before using this tool. Follow instructions included with battery charger (Battery Pack and Charger sold separately).

## Functions



- |                  |                       |
|------------------|-----------------------|
| 1. Nozzle        | 6. Air Vents          |
| 2. Nozzle Cover  | 7. Hook               |
| 3. LED Indicator | 8. Handle             |
| 4. Trigger       | 9. Battery Receptacle |
| 5. Trigger Lock  |                       |

## 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.

## 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. Secure loose workpieces using a vise or clamps (not included) to prevent movement while working.
3. There must not be hazardous objects, such as utility lines or foreign objects, nearby that will present a hazard while working.
4. Remove all flammable and heat sensitive materials from the work area.
5. Plan an insulated, non-flammable surface for the heat gun to cool down on after use.
6. Keep multiple class ABC fire extinguishers readily accessible while working and while workpiece cools.

## Tool Changing

### **⚠️ WARNING**

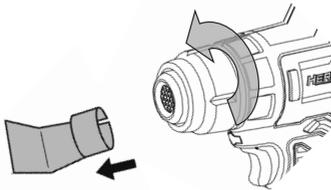
**TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:**

**Make sure that the Trigger is in the off-position and remove its Battery Pack before performing any procedure in this section.**

### Accessory Nozzles

**WARNING!** Only use the accessories included with the Heat Gun. Other accessories may damage the tool, become stuck, or not be secured properly.

1. The Heat Gun can be used alone or with an accessory nozzle attached.
  - a. To attach an accessory nozzle, push it into the Heat Gun nozzle.
  - b. To remove the accessory nozzle, turn off Heat Gun and allow it to cool. Grasp the Nozzle Cover and turn it counter clockwise to eject the accessory nozzle onto a non-flammable surface, away from people.



**WARNING!** Risk of burns! The Accessory Nozzle becomes very hot when the Heat Gun is in use and remains hot for a while after use. Allow it to cool out of reach of people and animals.

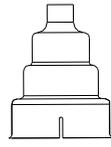
2. Three accessory nozzles are provided:



Flat Nozzle



Reflector Nozzle

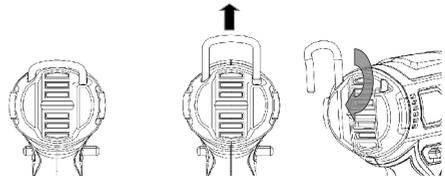


Concentration Nozzle

- a. Use the Flat Nozzle to dry paint or to peel off self-adhesive tapes/stickers.
- b. Use the Reflector Nozzle for shrinking heat-shrink tubing or bending PVC pipe.
- c. Use the Concentration Nozzle for soldering/ de-soldering electronic components.

### Hook

1. Hook may be used to hang heat gun, if desired.



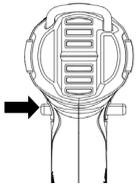
2. To open, grasp hook and pull up. Then turn leg clockwise to access hook. Hook will self-retract downward.
3. Return hook leg to holder when not in use.

### Setting and Testing

1. Make sure that the Trigger is in the off-position, then attach the Battery Pack.
2. Release the Trigger Lock button by pressing it to the left or right and then squeeze the Trigger. The Trigger must be squeezed for the Heat Gun to operate.
3. Continue squeezing the Trigger for at least one minute.
4. If abnormal noise/vibration occurs or the Heat Gun does not heat, have the problem corrected before further use.
5. Release Trigger and remove Battery Pack.

## General Instructions for Use

1. Make sure that the Trigger is in the off-position, then attach the Battery Pack by sliding it into the Battery Receptacle until it clicks in place. Remove the Battery by pressing its Latch and pulling the battery out.
2. Attach Accessory Nozzle, if desired.
3. To start the Heat Gun, release the Trigger Lock button by pressing it to the left or right and then squeeze the Trigger. The Trigger must be squeezed for the Heat Gun to operate.



Releasing  
Trigger Lock



Trigger

4. Squeeze the Trigger for one minute, allowing the Heat Gun's output to build up to the desired heat level. The LED Indicator will light when the Heat Gun is operating.

**WARNING!** To prevent serious injury do not leave the Heat Gun unattended while pointed at surfaces or objects.

**CAUTION!** Do not touch work area with the Heat Gun; it could scorch or ignite.

**CAUTION!** Do not block Air Vents when the Heat Gun is in use; it could cause the tool to overheat.

5. Before moving or storing the Heat Gun, or changing accessory nozzles, release Trigger and allow time for the tool to cool down on an insulated, non-flammable surface.
  - a. After releasing the Trigger, the internal fan will continue to run, cooling down the tool. The LED Indicator will flash for about 6 seconds before the tool is automatically turned off.
  - b. When the tool is completely off, the LED Indicator will extinguish.

**CAUTION!** After use, do not touch Nozzle until it has had time to cool.

**CAUTION!** Do not leave work area until Heat Gun has cooled. Be alert for indications of concealed fire.

6. After use, allow time for the Heat Gun to cool then disconnect the Battery Pack. Disconnect Accessory Nozzle. Clean, then store the Heat Gun indoors out of children's reach.

## MAINTENANCE AND SERVICING



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 Trigger is in the off-position and remove its Battery Pack 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. **BEFORE EACH USE**, inspect the general condition of the tool. Check for:
  - leaking, swollen, or cracked battery pack,
  - loose hardware
  - misalignment or binding of moving parts
  - cracked or broken parts
  - any other condition that may affect its safe operation.
2. **AFTER USE**, wipe external surfaces of the tool with clean cloth.
3. Disconnect battery pack and store battery pack, charger, and tool in dry, indoor area out of reach of children and away from metal objects (i.e., paperclips, coins) to prevent shorting.
4. Contains Li-Ion battery. Battery must be recycled or disposed of properly. Do not open, crush, heat above 140° F or incinerate.

## Troubleshooting

Problem	Possible Causes	Likely Solutions
Tool will not start.	<ol style="list-style-type: none"> <li>1. Battery Pack not properly connected.</li> <li>2. Battery Pack not properly charged.</li> <li>3. Battery Pack burnt-out.</li> <li>4. Internal damage or wear. (Carbon brushes or Trigger, for example.)</li> </ol>	<ol style="list-style-type: none"> <li>1. Remove Battery Pack, make sure there are no obstructions, reinsert the Battery Pack according to its shape (it should only fit one way), and press firmly until the Battery Pack locks in place.</li> <li>2. Make sure Charger is connected and operating properly. Give enough time for Battery Pack to recharge properly.</li> <li>3. Dispose of old Battery Pack properly or recycle. Replace Battery Pack.</li> <li>4. Have technician service tool.</li> </ol>
Tool operates slowly.	<ol style="list-style-type: none"> <li>1. Forcing tool to work too fast.</li> <li>2. Battery Pack wearing out.</li> </ol>	<ol style="list-style-type: none"> <li>1. Allow tool to work at its own rate.</li> <li>2. Dispose of old Battery Pack properly or recycle. Replace Battery Pack.</li> </ol>
Excessive noise or rattling.	Internal damage or wear. (Carbon brushes or bearings, for example.)	Have technician service tool.
Overheating.	<ol style="list-style-type: none"> <li>1. Forcing tool to work too fast.</li> <li>2. Blocked motor housing vents.</li> </ol>	<ol style="list-style-type: none"> <li>1. Allow tool to work at its own rate.</li> <li>2. Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air.</li> </ol>
Unsatisfactory results.	Inappropriate heat for task.	Adjust heat setting or distance to workpiece to compensate.



**Follow all safety precautions whenever diagnosing or servicing the tool.  
Disconnect Battery Pack and Charger power supply before service.**

## 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.

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

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

Replacement parts are not available.

Visit our website at: <http://www.harborfreight.com>

Email our technical support at: [productsupport@harborfreight.com](mailto:productsupport@harborfreight.com)

For technical questions, please call 1-888-866-5797

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# **HERCULES®**

26541 Agoura Road • Calabasas, CA 91302 • 1-888-866-5797