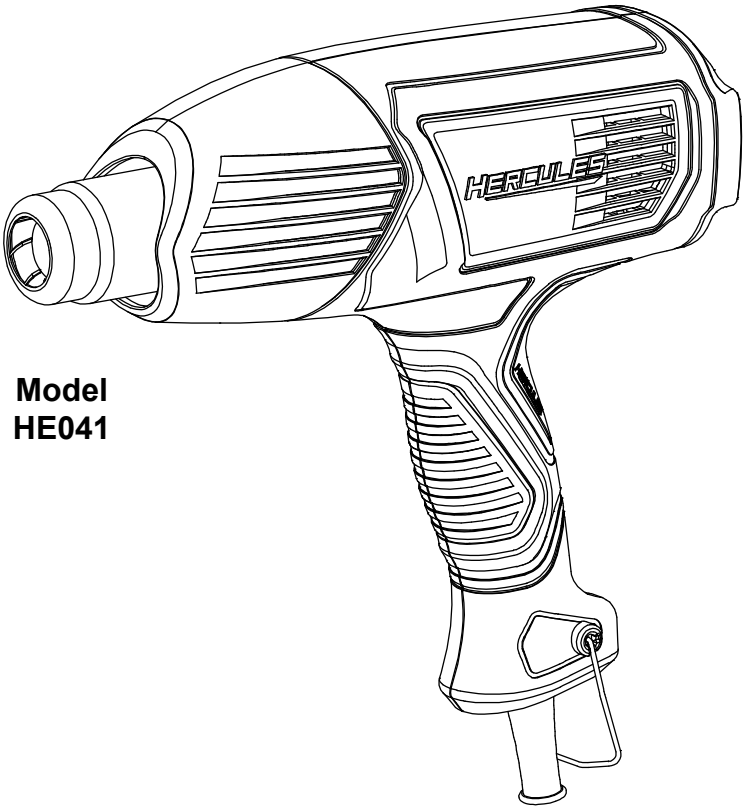
HERCULES

Owner's Manual & Safety Instructions

26j



Model
HE041

1700 Watt 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 visit harborfreight.com/customer-support/contact-us as soon as possible. Reference 57988.

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. Lingering 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 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

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.

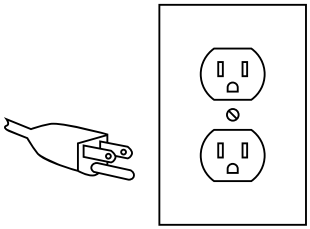
GROUNDING

⚠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.

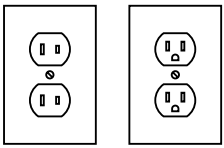
Grounded Tools: Tools with Three Prong Plugs



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

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
V	Volts
~	Alternating Current
A	Amperes
n_0 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.
	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

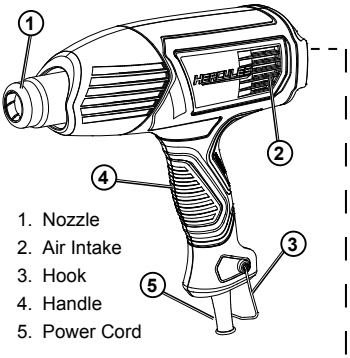
Electrical Rating	120VAC / 60Hz / 1700W
Temperature Range	120°F - 1200°F

SETUP - BEFORE USE:

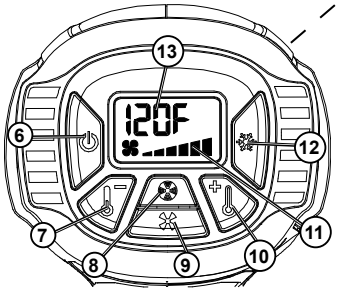
Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Note: For additional information regarding the parts listed in the following pages, refer to *Component List and Assembly Diagram* on page 11.

Functions



1. Nozzle
2. Air Intake
3. Hook
4. Handle
5. Power Cord



Rear Panel Buttons

6. Power ON/OFF.
7. Decrease temperature.
8. Increase fan speed.
9. Decrease fan speed.
10. Increase temperature.
11. Fan air flow Indicator, graph expands as speed increases.
12. Cool Down.
13. Temperature Display.

Tool Changing

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Make sure that the Switch is in the off-position and unplug the tool from its electrical outlet 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 or to provide stability during stationary use.
2. Return hook leg under handle when not in use.

OPERATING INSTRUCTIONS

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

Uses

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Make sure that Power Switch is in the off-position and unplug the tool from its electrical outlet before adjusting tool or installing accessories.

The low 120°F setting of the Heat Gun can be used for cooling.

The high heat settings of Heat Gun can be used for:

- Shrinking of shrink tubing, packaging and electrical components.
- Deforming of articles made from acrylic, PVC, and polystyrene tubing, plates, and profiles.
- Welding of thermoplastic polymer, flooring materials of PVC and linoleum, PVC-coated fabric, wallpaper, tarpaulins and foils.
- Soldering of tin, special silver solder, SMD elements, cable lugs, and for loosening soldered connections.
- Paint removal. Removal of old coatings of oil paint, varnish, and synthetic plaster.
- Drying of color shade samples, filter, adhesives, construction joints and stucco forms.
- Joining adhesives. Large surface gluing with contact adhesives, activation of pressure, or heat sensitive adhesives, acceleration of bonding processes, releasing of bonding points as well as releasing or bonding of edge bond or veneer.
- Defrosting of icy stairs and steps, door locks, trunk lids, car doors or metal water pipes.
- Disinfection. With the tool set at the highest setting, animal sites/stables may be disinfected. Wood worm infestation may be controlled. Do not heat up the wood surface too much or it can burn.

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 Operating Instructions

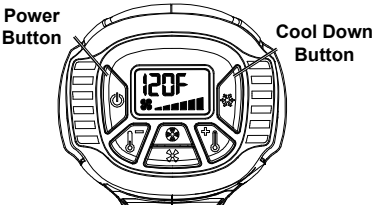
1. Plug the Power Cord of the tool into a 120 volt, grounded, electrical outlet.

⚠WARNING! To prevent personal serious injury or property damage, 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.

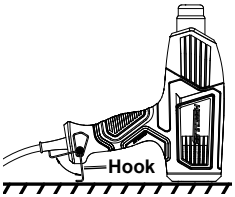
CAUTION! Do not block Air Vents when Heat Gun is in use, it could cause the tool to over-heat.

2. Press the Power Switch on the rear panel of the unit. Press once to power ON and again to power OFF.
3. The Heat Gun will start at the lowest temperature of 120°F. A little smoke may emit from the unit for a short time. This is normal and does not indicate a problem.
4. Press the Temperature buttons to adjust temperature. A short press will adjust in ten-degree increments. A long press will increase temperature quickly.
5. Allow the Heat Gun one minute to build up to the desired heat level.
6. The Temperature Display will change as the temperature resets and will stabilize when the unit reaches the setting temperature.
7. To change from Celsius to Fahrenheit, press and hold the Cool Down button then press and release the Power button.



8. Choose the appropriate heat level and fan output for the job. Press the Fan Speed buttons to adjust speed.

9. The Heat Gun can be used in stationary mode by placing it on a stable flat surface. Use the Hook to provide stability. Secure the power cable to prevent the tool from falling.



CAUTION! Do not drop anything into the Nozzle.

10. Before moving or storing the Heat Gun, power OFF the tool. After pressing the Power button to turn the Heat Gun OFF, the tool will automatically go into **Cool Down Mode:**
    a. The unit will stop heating
    b. The fan icon will flash, and
    c. The fan will continue to run for about 10 seconds cooling the tool.



Temperature Display

11. To prevent accidents, turn off the Heat Gun and unplug it after use. Allow the Heat Gun to cool down on an insulated, non-flammable surface.

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.

12. Allow time for the Heat Gun to cool then disconnect its Power Cord after use. 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 Power Switch is in the off-position and unplug the tool from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.

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:
   - loose hardware,
   - misalignment or binding of moving parts,
   - cracked or broken parts,
   - blocked Air Vents,
   - damaged electrical wiring, and
   - any other condition that may affect its safe operation.
2. **AFTER USE,** wipe external surfaces of the tool with clean cloth.
3. **⚠WARNING! TO PREVENT SERIOUS INJURY: If 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
Tool will not start.	Internal damage or wear. (Carbon brushes or Switch, for example.)	Have technician service tool.
Tool operates slowly.	Forcing tool to work too fast.	Allow tool to work at its own rate.
Excessive noise or rattling.	Internal damage or wear. (Carbon brushes or bearings, for example.)	Have technician service tool.
Overheating.	1. Forcing tool to work too fast. 2. Blocked motor housing vents.	1. Allow tool to work at its own rate. 2. Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air.
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 power supply before service.

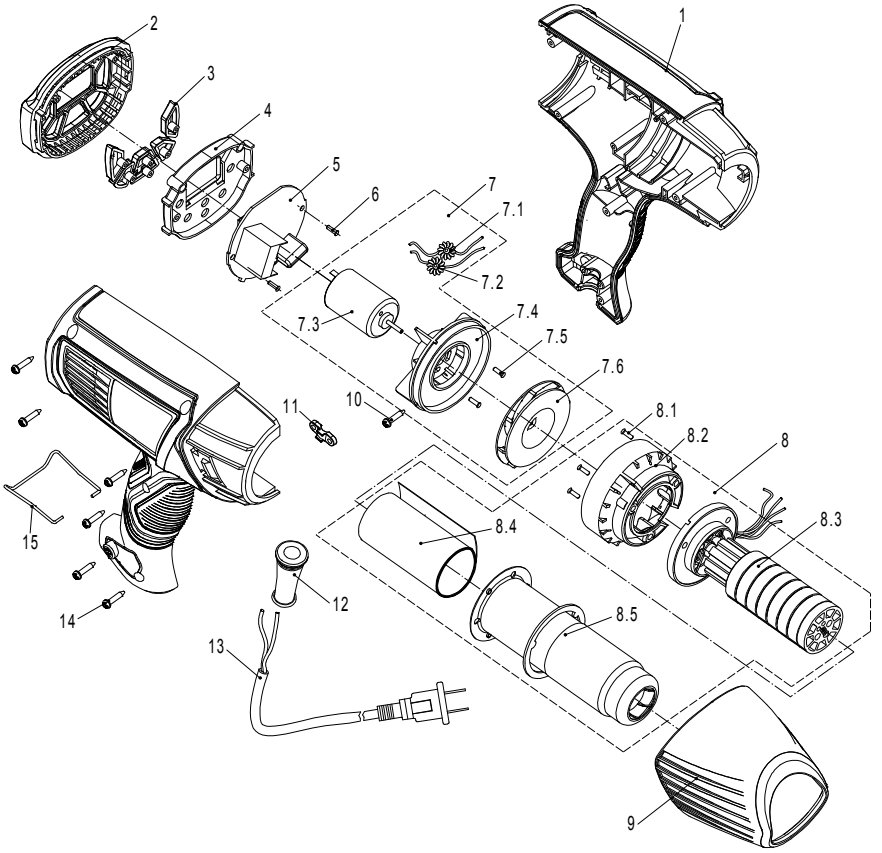
PLEASE READ THE FOLLOWING CAREFULLY

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COMPONENT LIST AND ASSEMBLY DIAGRAM

Part	Description	Qty
1	Left & Right Housing Assembly	1
2	Back Cover	1
3	Control Buttons	1
4	Back Inner Cover	1
5	PCB Assembly	1
6	Screw	2
7	Motor-Fan Assembly	1
7.1	Magnetic Ring	1
7.2	Magnetic Ring	1
7.3	Motor	1
7.4	Motor Support	1
7.5	Screw	2
7.6	Fan Assembly	1
8	Heating Element Assembly	1
8.1	Screw	3

Part	Description	Qty
8.2	Fan Cover	1
8.3	Heating Element	1
8.4	Mica Paper	2
8.5	Steel Can	1
9	Front Cover	1
10	Screw	3
11	Cord Clamp	1
12	Cord Sleeve	1
13	Power Cord	1
14	Screw	6
15	Hook	1
17	Flat Nozzle (not shown)	1
18	Reflector Nozzle (not shown)	1
19	Concentration Nozzle (not shown)	1



3-YEAR LIMITED WARRANTY

This HERCULES tool is warranted to the original purchaser to be free from defects in materials and workmanship for a period of three (3) years beginning on the date of purchase. To obtain warranty service, visit your local Harbor Freight retail store. Warranty registration is not required. The product or part must be returned to us with proof of purchase (e.g. in-store receipt or packing slip/invoice) and may require shipment by purchaser to a service center at purchaser's expense. If our inspection verifies a covered defect in materials or workmanship during the warranty period, we will, at our option, repair or replace the defective product. We will return repaired products within a reasonable time at our expense, but if we determine that there is no defect, or that the defect resulted from causes not within the scope of our warranty, then we will return the product to you if you pay return shipping costs.

This warranty does not cover any failure or damage that we determine is due directly or indirectly to normal wear and tear, misuse, use not for the intended purpose or not in accordance with the product manual, abuse, accident, rental, modification or alteration, unauthorized repair, improper installation, neglect, lack of maintenance, or any other failure not arising from defective materials or workmanship. Fraudulent returns or claims will be denied. The repair or replacement described in this warranty shall be your sole and exclusive remedy. THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES, WRITTEN OR ORAL, AND ANY IMPLIED WARRANTIES ARE DISCLAIMED TO THE EXTENT PERMITTED BY LAW AND OTHERWISE LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN. HARBOR FREIGHT SHALL NOT BE LIABLE UNDER ANY CIRCUMSTANCES FOR ANY INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES OR COSTS ARISING FROM THIS WARRANTY OR THE USE OF THIS PRODUCT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THESE LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Record Product's Date Code Here:_____

Note: If product has no Date Code, record month and year of purchase instead.

Note: The component list and assembly diagram are shown for reference only.
To view all currently available replacement parts, please visit harborfreight.com/parts
Specify UPC 193175429704 when ordering parts.

Visit our website at: https://www.harborfreight.com
For product assistance, visit harborfreight.com/customer-support/contact-us

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