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 date code 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. 26c

1925C-B

Bauer™

20v LITHIUM-ION



CORDLESS HEAT GUN

Visit our website at: https://www.harborfreight.com
For product assistance, visit harborfreight.com/customer-support/contact-us **56791**

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.

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Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠WARNING

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

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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 CAUTION	Addresses practices not related to personal injury.

IMPORTANT SAFETY INFORMATION

General Tool Safety Warnings

⚠WARNING

Read all safety warnings and all instructions.
Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

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

Work Area Safety

1. **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
2. **Do not operate tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Tools create sparks which may ignite the dust or fumes.*
3. **Keep children and bystanders away while operating a tool.** *Distractions can cause you to lose control.*

Electrical Safety

Do not expose tools to rain or wet conditions. *Water entering a tool will increase the risk of electric shock.*

Personal Safety

1. **Stay alert, watch what you are doing and use common sense when operating a tool. Do not use a tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating tools may result in serious personal injury.*
2. **Use personal protective equipment. Always wear eye protection.** Protective *equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
3. **Prevent unintentional starting. Ensure the Trigger is in the off-position before connecting to power source, picking up or carrying the tool.** *Carrying tools with your finger on the Trigger or energizing tools that have the Trigger on invites accidents.*
4. **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the tool in unexpected situations.*
5. **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from tube.** *Loose clothes, jewelry or long hair can be burned.*
6. **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.*
7. Do not leave the tool unattended when the Battery Pack is connected. Turn off the tool, and remove the Battery Pack before leaving.
8. This product is not a toy. Keep it out of reach of children.
9. 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.
10. 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.

Tool Use and Care

1. **Do not use the tool if the Trigger does not turn it on and off.** *Any tool that cannot be controlled with the Trigger is dangerous and must be repaired.*
2. **Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing tools.** *Such preventive safety measures reduce the risk of starting the tool accidentally.*
3. **Store idle tools out of the reach of children and do not allow persons unfamiliar with the tool or these instructions to operate the tool.** *Tools are dangerous in the hands of untrained users.*
4. **Maintain tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the tool's operation. If damaged, have the tool repaired before use.** *Many accidents are caused by poorly maintained tools.*
5. **Use the tool and accessories in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the tool for operations different from those intended could result in a hazardous situation.*

Service

1. **Have your tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the tool is maintained.*
2. **Never service damaged BATTERY packs.** *Service of BATTERY packs should only be performed by the manufacturer or authorized service providers.*
3. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

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 tool. Carrying the tool with your finger on the switch or energizing tool that have the switch on invites accidents.*
2. **Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing tool.** *Such preventive safety measures reduce the risk of starting the 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 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 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 tool to fire or excessive temperature.** *Exposure to fire or temperature above 140°F may cause explosion.*
9. **Follow all charging instructions and do not charge the battery pack or 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 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.

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. Lingering 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. ***Exercise CAUTION when using this product outdoors.*** To reduce the risk of electric shock, keep extension cord connection dry and off the ground.

4. ***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.
5. 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.
6. 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.
7. Do not use the Heat Gun near flammable materials.
8. Do not point the Heat Gun at people or animals. The intense heat can injure them.
9. 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.
10. Do not use the Heat Gun on glass.
11. Do not use the Heat Gun as a hair dryer.
12. Do not heat up materials that can be damaged by high temperatures.

Lithium Battery Safety Warnings



LITHIUM BATTERIES STORE A LARGE AMOUNT OF ENERGY AND WILL VENT FIRE OR EXPLODE IF MISTREATED:



1. **Keep Battery Pack dry.**
2. **DO NOT DO ANY OF THE FOLLOWING TO THE BATTERY PACK:**
   a. **Open,**
   b. **Drop,**
   c. **Short-circuit,**
   d. **Puncture,**
   e. **Incinerate, or**
   f. **Expose to temperatures greater than 140°F.**
3. Charge Battery Pack only according to its Charger's instructions.
4. Inspect Battery Pack before every use; do not use or charge if damaged.

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

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

Symbology

V	Volts
⎓	Direct Current
A	Amperes
	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.

Specifications

Battery Type	Bauer 20V Li-Ion
Charger Type	Bauer 20V Li-Ion
Maximum Temperature	895º 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 Diagram* on page 11.

Functions



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.

Tool Set Up

⚠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.

Charging

Charge battery before using this tool. Follow instructions included with battery charger.

Uses

The 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, wallpapers, 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 of 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. Secure loose workpieces using a vise or clamps (not included) to prevent movement while working.
3. There must not be objects, such as utility lines, 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 gun to cool down on after use.
6. Keep multiple class ABC fire extinguishers readily accessible while working and while workpiece cools.

General Operating Instructions

1. Make sure that the Trigger is in the off-position, then attach the Battery Pack.
2. Attach Deflector or Concentrator Nozzle if desired.
3. To start Heat Gun, press Trigger Lock Off button either left or right and then squeeze Trigger to operate Heat Gun. Work Light will turn on when Trigger is activated.
4. Wait one minute to allow Heat Gun output to reach desired level before beginning job.

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.

CAUTION! TO PREVENT INJURY:
Do not block air vents when Heat Gun is in use; it could cause tool to overheat.

5. When finished or changing accessory Nozzles, release Trigger and allow time for the tool to cool down on an insulated, non-flammable surface. Work Light and Motor Fan will turn off after 6 seconds.

CAUTION! TO PREVENT INJURY:
After use, do not touch Nozzle until it has had time to cool.

6. To prevent accidents, turn off the tool and remove its Battery Pack after use. Allow the 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.

7. Clean, then store the tool indoors out of children's reach. If desired, use Hook to hang Heat Gun after use. Lift Hook from slot and hang carefully in selected location.

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,
   - blocked air vents,
   - cracked or broken parts, and
   - any other condition that may affect its safe operation.
2. **AFTER USE,** wipe external surfaces of the tool with clean cloth.
3. Li-Ion BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.
   Do not short, incinerate or open battery.
4. 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.

Troubleshooting

Problem	Possible Causes	Likely Solutions
Tool will not start.	1. Battery Pack not properly connected.	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.
	2. Battery Pack not properly charged.	2. Make sure Charger is connected and operating properly. Give enough time for Battery Pack to recharge properly.
	3. Battery Pack wearing out.	3. Dispose of old Battery Pack properly or recycle. Replace Battery Pack.
	4. Internal damage or wear. (Trigger, for example.)	4. Have technician service tool.
Tool operates slowly.	Battery Pack wearing out.	Dispose of old Battery Pack properly or recycle. Replace Battery Pack.
Excessive noise or rattling.	Internal damage or wear. (Carbon brushes or bearings, for example.)	Have technician service tool.
Overheating.	Blocked motor housing vents.	Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air.
Temperature insufficient.	1. Tool not allowed enough time to reach heat level.	1. After increasing heat setting, wait one minute minimum for tool to reach desired heat level.
	2. Blocked air vents.	2. Check air vents are clear.
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.

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 193175601094 when ordering parts.

PLEASE READ THE FOLLOWING CAREFULLY

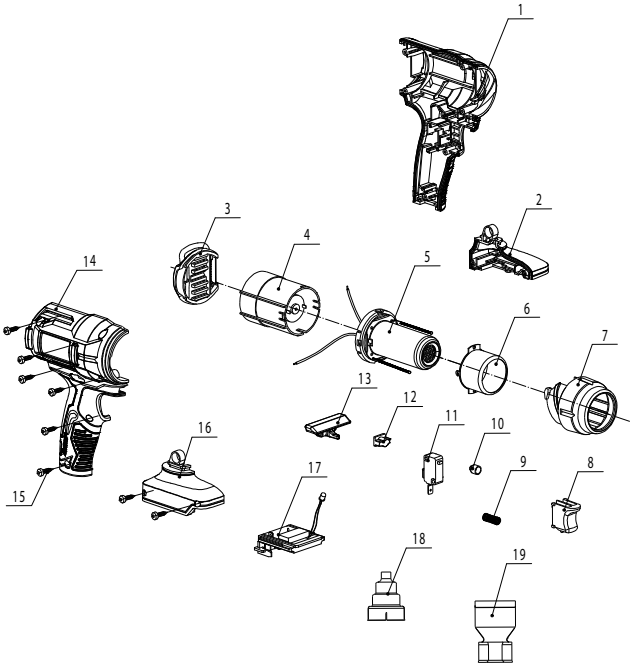
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Component List

Part	Description	Qty
1	Right Housing	1
2	Right Battery Foot	1
3	Back Cover	1
4	Motor Fan	1
5	Heating Element	1
6	Metal Cover	1
7	Front Cover	1
8	Trigger	1
9	Trigger Spring	1
10	Switch Cover	1

Part	Description	Qty
11	Switch	1
12	LED Light Cover	1
13	Safety Push Rod	1
14	Left Housing	1
15	Screw	8
16	Left Battery Foot	1
17	PCBA	1
18	Concentrator Nozzle	1
19	Deflector Nozzle	1

Assembly Diagram



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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For product assistance, visit harborfreight.com/customer-support/contact-us