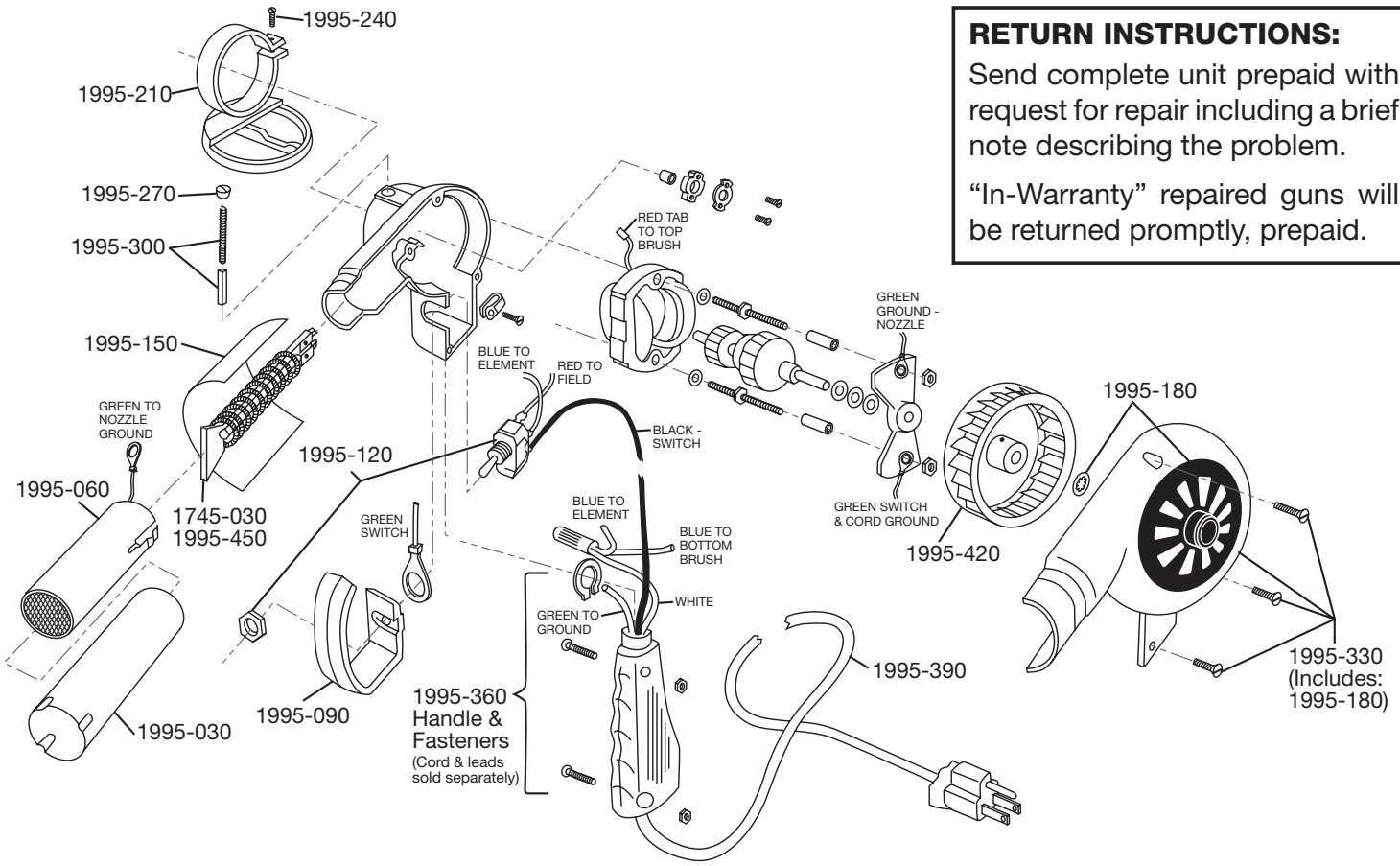
IF YOUR HEAT GUN NEEDS FACTORY SERVICE



RETURN INSTRUCTIONS:

Send complete unit prepaid with request for repair including a brief note describing the problem.

"In-Warranty" repaired guns will be returned promptly, prepaid.

PART #	DESCRIPTION
1995-030	Nozzle Shield
1995-060	Nozzle
1995-090	Trigger Guard
1995-120	Toggle Switch and Nut
1995-150	Mica Sheet
1995-180	Intake Cover & Retainer Ring
1995-210	Stand
1995-240	Stand Screw and Nut
1995-270	Brush Cap Set (2)
1995-300	Brush & Spring Set (2)
1995-330	Motor Cover & Fasteners

PART #	DESCRIPTION
1995-360	Handle Set w/Fasteners
1995-390	Power Cord & Strain Relief
1995-420	Fan and Set Screw
1745-030	745 Element & Mica (750˚)
1995-450	995 Element & Mica (1000˚)

PART # DESCRIPTION

CRAIN No. 745 & No. 995 HEAT GUNS LIMITED WARRANTY

Crain warrants this heat gun to be free from defects in material and workmanship under normal use and service within 6 months from the date of purchase and guarantees to either repair or replace at our option, at no cost, any part that in our judgment shows evidence of such defect within 6 months from the date of purchase.

Not covered are the elements, motor brushes, normal wear and tear, or if the product has been misused, abused, altered, tampered with, or plugged into an electrical outlet with voltage other than specified on nameplate.

All transportation charges on parts submitted for replacement or repair under this warranty must be borne by the purchaser.

This warranty does not cover motor brushes or normal wear, and does not apply if the gun has been abused, altered, or not used with current specified on the nameplate. Upon expiration of the warranty periods, the manufacturer shall have no further warranty obligations, expressed or implied.

Crain Cutter Co., Inc.
1155 Wrigley Way
Milpitas, CA 95035

CRAIN No. 745 & No. 995 DELUXE HEAT GUNS

OWNER'S MANUAL

Your heat gun is capable of producing up to 1,000ºF (No. 995) or 750ºF (No. 745). EXTREME CAUTION should be exercised in its use and operating environment. This owner's manual should be read and completely understood before using.

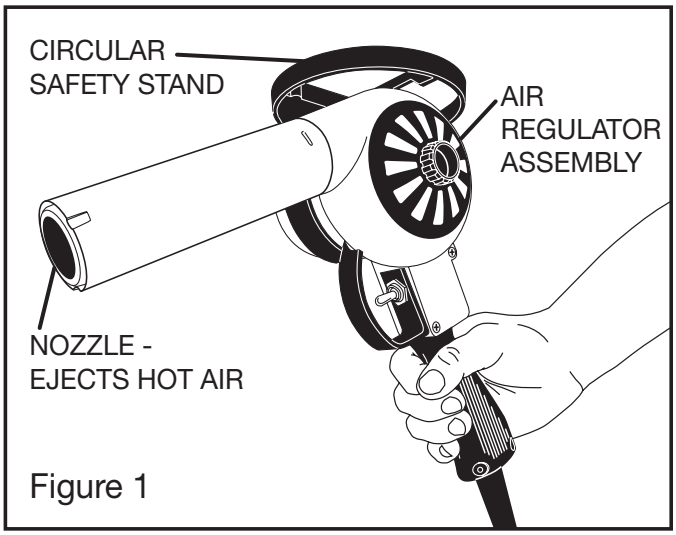


Figure 1

TEMPERATURE RANGES

No. 745 500°F – 750°F
No. 995 750°F – 1000°F

SAFETY PRECAUTIONS

- Check your electric line and receptacle to make certain they are correct for the voltage and amperage indicated on your heat gun. If an extension cord is necessary, a minimum 14 gauge three-prong grounding type cord rated for outdoor use would be used to prevent excessive voltage drop, loss of power, or overheating.
- Do not use adapters or modify the heat gun plug.
- Replace damaged cords and plugs immediately.
- Because the heat gun has the appearance of a household hair dryer, keep out of the reach of children and advise other persons having access to it of its high heat capabilities.
- WARNING: With a heat gun, as with all other heat tools, keep a fire extinguisher handy, and observe all sensible fire precautions.
- WARNING: To reduce the risk of fire or electric shock, do not expose heat guns to rain or moisture. Store indoors. Connect to a grounded outlet only.
- This tool emits high temperature heat at the nozzle. Keep hands and body out of the heated air stream and never grasp the heat gun by the nozzle. Wearing protective gloves and safety glasses is recommended.
- Never let the heat gun operate while unattended.
- Unplug the gun when not in use, or before servicing.
- Do not use the heat gun near combustible materials, fumes, or vapors. Good ventilation is always advised.
- Do not heat chemicals. Avoid the hazards of ignition, or the release of harmful vapors.
- Your heat gun is equipped with a circular safety stand that should be used when setting the tool down, during operation of the gun, or during the cool-down period. Never store while hot.
- Although the housing and handle of your heat gun are constructed of non-conducting material, the gun is not recommended for use in wet or damp areas. Never immerse the gun in water, nor stand in water, or wet areas, while using the gun.

SAFETY PRECAUTIONS CONTINUED

Underwriting Laboratories, Inc., in the Eleventh Edition for Electrical Heating Appliances, UL 499 revised May 1990, issues the following instructions:

1. Hidden areas such as 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.
2. When working in these locations, keep the gun moving in a back-and-forth motion. Lingering or pausing in one spot could ignite the panel or the material behind it.

PAINT REMOVAL SAFETY

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. 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.

PERSONS REMOVING PAINT SHOULD FOLLOW THESE GUIDELINES:

- 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.
- Remove or cover any carpets, rugs, furniture, clothing, cooking utensils and air ducts.
- 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.
- 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 sealing doorways with drop cloths.
- 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.
- 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. Be sure the mask fits. Beards and facial hair may keep the masks from sealing properly. Change filters often. DISPOSABLE PAPER MASKS ARE NOT ADEQUATE.
- 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.
- 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 gum or tobacco in the work area.
- Clean up all removed paint and dust by wet mopping the floors. Use a wet cloth to clean all walls, sills and any other surfaces 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.
- 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.
- 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.

OPERATING INSTRUCTIONS

- The heat gun has a three-position toggle switch marked OFF-COLD-HOT. In the "COLD" position, only the fan will operate. In the "HOT" position, both the heating element and fan operate. When switching the gun off, switch to "COLD" position and allow the fan to run for one minute before switching to "OFF." This procedure, if followed when turning off the gun, will extend the life of the heating element and protect the housing from damage.
- Adjust heat by turning the air regulator assembly (Fig. 1). Your gun's rated temperature range is based upon the amount of air passing through the air regulator. Turning the regulator as indicated will increase or decrease the temperature.
- To prevent back pressure and premature heating element burn-out, keep the nozzle at least one-inch from the surface being heated. Keep the nozzle moving. Do not hold stationary near flammable materials.
- Make certain that all ventilation openings are kept clean and free of foreign matter.
- The heat gun is most effectively cleaned with compressed dry air. Wear safety glasses.
- Do not insert objects through openings.
- Care in handling is recommended to avoid damage to the heating element core.

MAINTENANCE INSTRUCTIONS

- The brushes and commutator in your heat gun have been engineered and matched for many hours of dependable service. Brushes should be checked for wear at approximately 400 hours of total operation. Replace in sets when they reach a length of ¼-inch or less. Brush springs should be replaced at the same time.
- Bearings are factory lubricated and sealed for the life of the bearing and no further lubrication is required.
- If the heat gun is used under extremely dusty conditions, dust inside of the housing can be removed without disassembly with a blast of compressed dry air through openings in the housing. Wear eye protection.
- Visual inspection of cord and plug should be made occasionally to make sure protective insulation is not damaged.
- See back for replacement parts information, including replacement element information.

TO REPLACE AN ELEMENT

- See figure 2 and the back page for an exploder view of the nozzle parts described in this section.
- Turn the nozzle shield (outer shield) counterclockwise and pull away from the housing.
- Rotate nozzle (inner shield) clockwise until the knob on the housing is visible, then slowly pull the nozzle away from housing. Use caution not to damage the ground wire attached to the nozzle.
- Disconnect the two terminals from the old element and pull the old element out.
- Wrap the new element with a new sheet of mica, and slide it into the nozzle.
- Reconnect the two terminals to the new element.
- Make sure mica is slid down to bottom of nozzle.
- Put the nozzle back on the housing and tighten by turning counterclockwise. Put the nozzle shield back on the housing and tighten by turning clockwise.

Figure 2