

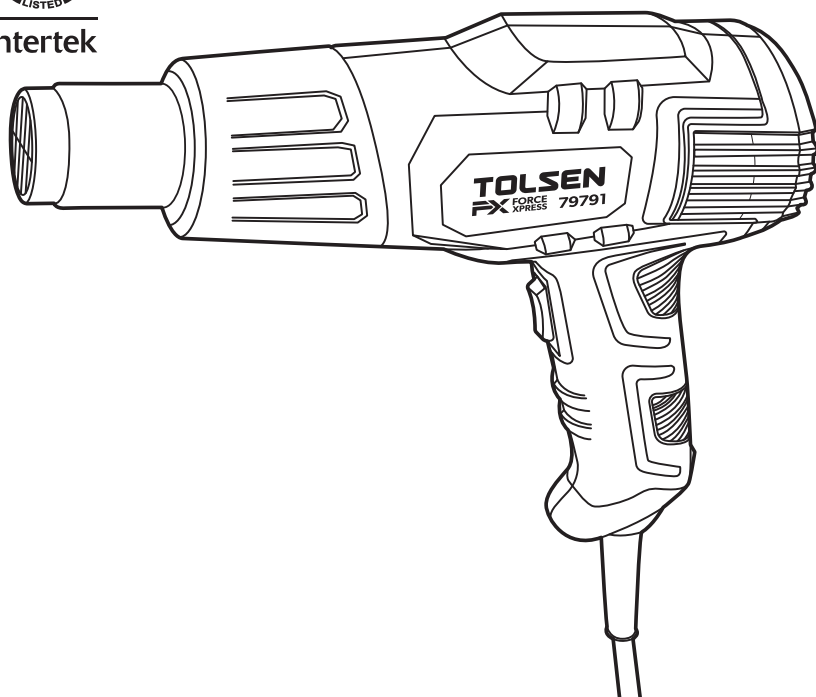
TOLSEN **FX** FORCE XPRESS

79791 HOT AIR GUN

INSTRUCTION MANUAL 120V~ 12.5Amp (1500W)



Intertek



SAVE THIS MANUAL !

You will need this manual for safety instructions, operating procedures and warranty.
Put it and the original sales receipt in a safe dry place for future reference.

IMPORTANT SAFETY INFORMATION

General Power Tool Safety Warnings

WARNING:

Read all safety warnings and 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 “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

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.

4. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.

5. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.

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

7. 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.

8. 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.

9. 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

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

Recommended Minimum Wire Gauge for Extension Cords

NAMEPLATE AMPERES (at full load)	7.62 m 25' long	15.24 m 50' long	22.86 m 75' long	30.48 m 100' long	45.72 m 150' long
0 - 5 Amps	18	18	16	14	12
5.1- 8 Amps	18	16	14	12	12
8.1 - 12 Amps	16	14	12	10	Do Not Use
12.1 - 15 Amps	14	12	10	Do Not Use	Do Not Use
15.1 - 20 Amps	12	10	Do Not Use	Do Not Use	Do Not Use

11. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
12. Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
13. 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.
14. 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.
15. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
16. 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.
17. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust-related hazards.
18. 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.
19. 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.
20. 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.
21. Disconnect the plug from the power source and/or the battery pack 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.
22. 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.
23. Maintain power tools. 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.
24. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
25. 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

26. SERVICE AND REPAIRS should be made by

qualified repair technicians at an authorized repair center. Improperly repaired tools could cause serious shock or injury.

Hot Air 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. 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. Before beginning a 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.

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:

- 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.
- Remove or cover any carpets, rugs, furniture, clothing, cooking utensils and air ducts.
- Place drop clothes 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 sealed doorways with drop clothes.
- 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. Make sure the mask fits. Beards and facial hair may keep 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 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 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.
 - 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.
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 immediately afterwards.
10. Do not use the Heat Gun on glass.
11. Do not use the Heat Gun as a hair dryer or to heat up materials that can be damaged by high temperatures.
12. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
13. Avoid unintentional starting. Prepare to begin work before turning on the tool.
14. 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.
15. This product is not a toy. Keep it out of reach of children.
16. 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.

SPECIFICATIONS

Electrical Input	120 VAC / 60 Hz Low: 6.25A(750W) High: 12.5A(1500W)
Adjustable Heat Setting Type	Three-Way Rocker Switch(I,O,II)
Heat Temperatures	Low : 572°F /300°C(Maximum) High : 1112°F /500°C(Maximum)
Air Flow	Low : 280 L/min High : 480 L/min



Note: Symbology

	Double Insulated
	Intertek Testing Services inc.
	WARNING mark concerning Risk of Eye Injury. Wear ANSI-approved safety goggles with side shields
	Read the manual before set-up and/or use.

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.

WARNING:

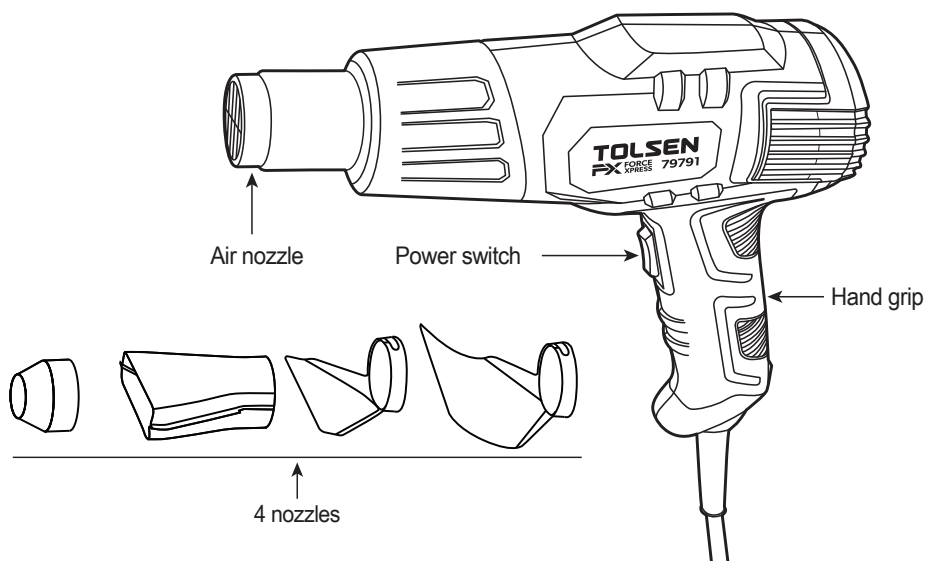
TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION: Turn the Power Switch of the tool off and unplug the tool from its electrical outlet before assembling or making any adjustments to the tool.

Applications

When observing the safety rules, this Heat Gun is designed for all applications with hot air that are listed below:

- Shrinking of heat shrink tubing, solder connectors and solder terminals, packaging and electrical components.
- Deforming of articles made from acrylic, PVC, and polystyrene tubing, plates, and profiles as well as most woods.
- Welding of thermoplastic polymer, flooring materials of PVC and linoleum, PVC-coated fabric, tarpaulins and foils.
- Soldering of tin, special silver solder, SMD elements, cable lugs, and for loosening soldered connections.
- Paint removal. Removal of old and even thick coatings of oil paint, varnish, and synthetic plaster.
- Drying of color shade samples, filter, adhesives, construction joints and stucco forms.
- Joining adhesives. Large surface gluing with contact adhesives, activation of pressure sensitive adhesives, acceleration of bonding processes, releasing of bonding points as well as releasing or bonding of edge bond or veneer.
- Defrosting of icy stairs and steps, door locks, trunk lids, car doors or water pipes, as well as for defrosting refrigerators and ice boxes.
- Disinfection. With the tool set at 1112°F (500°C), animal sites/stables may be disinfected. Woodworm infestation may be controlled. (Caution: Danger of fire. Do not overheat the wood.)

Functions



OPERATING INSTRUCTIONS

Tool Set Up

WARNING:

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION: Turn the Power Switch of the tool off and unplug the tool from its electrical outlet before adjusting tool or installing accessories.

General Operating Instructions

1. Make sure Power Switch is in its "O"(OFF) position. Then plug Power Cord into the nearest 120 volt, grounded, electrical outlet. See Figure A.
2. To turn on the Heat Gun, set its Power Switch to "I" or "II"
 - Switch "I" - Low temperature position (572°F/300°C Maximum). Used for mild heating applications, i.e., heat shrink tube, heat shrink bag, plastic bending, shaping and welding, removing old paint coating.
 - Switch "II" - High temperature position (1112°F/500°C Maximum). Used for intense heating applications, i.e., frozen water pipe, defrosting refrigerator, and metal welding.
3. To turn off the Heat Gun, set its Power Switch to "I". Then set the Power Switch to "O" and unplug the tool from its electrical outlet. (This method helps cool down the Heat Element properly to extend the life of the Heat Gun.)
4. CAUTION! Danger of fire. Make sure to set the Heat Gun on a non-flammable surface until it has completely cooled.
5. Once cooled, store the Heat Gun in a clean, dry, safe location out of reach of children and other unauthorized people.
6. To prevent accidents, turn off the tool and disconnect its power supply after use. Clean, then store the tool indoors out of children's reach.

MAINTENANCE AND SERVICING

WARNING:

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION: Turn off the switch 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.

DISCONNECT from power outlet and make sure that it is completely cooled.

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,
 - damaged electrical wiring,
 - any other condition that may affect its safe operation.
2. AFTER USE, wipe external surfaces of the tool with clean cloth.
3. If you discover any damage, consult the exploded drawing and parts list to determine exactly which replacement part you need to order from our customer service department.

WARNING:

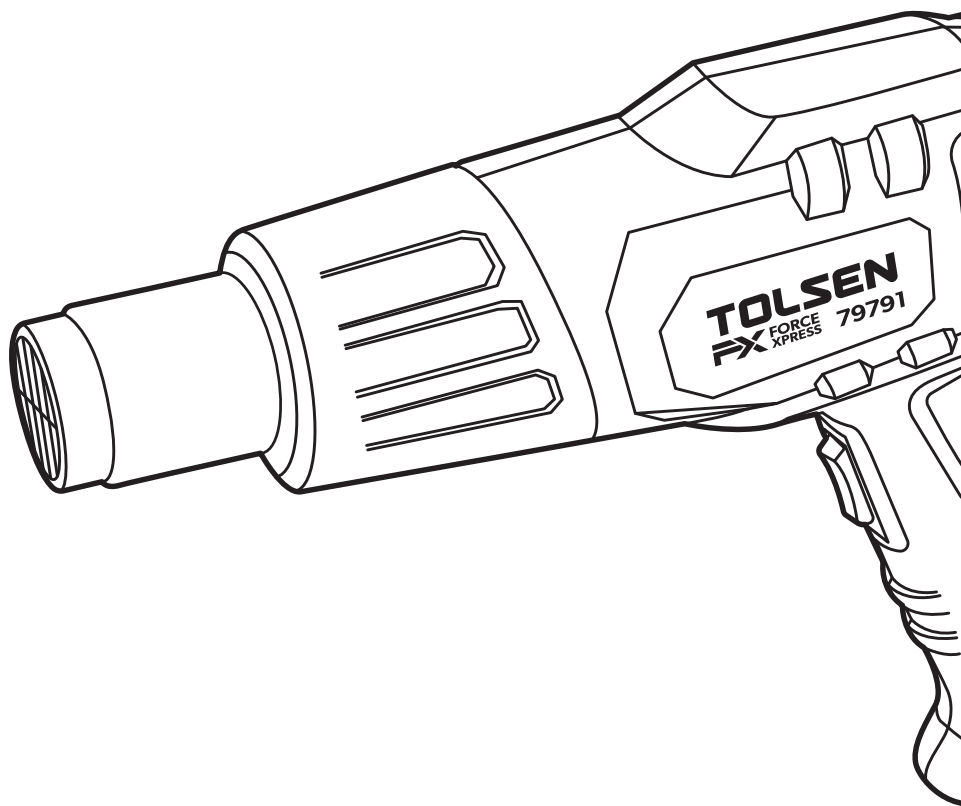
If the supply cord of this power tool is damaged, it must be replaced only by a qualified service technician.

Troubleshooting

Problem	Possible Causes	Likely Solutions
Heat Gun will not turn on.	1. Power Switch set at "0". 2. No power at outlet. 3. Cord not connected.	1. Turn Power Switch to "I" or "II". 2. Check power at outlet. 3. Check that cord is plugged in.
Unsatisfactory results.	Improper heat setting.	Adjust heat setting ("I" or "II") for correct application.

WARNING:

Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.



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