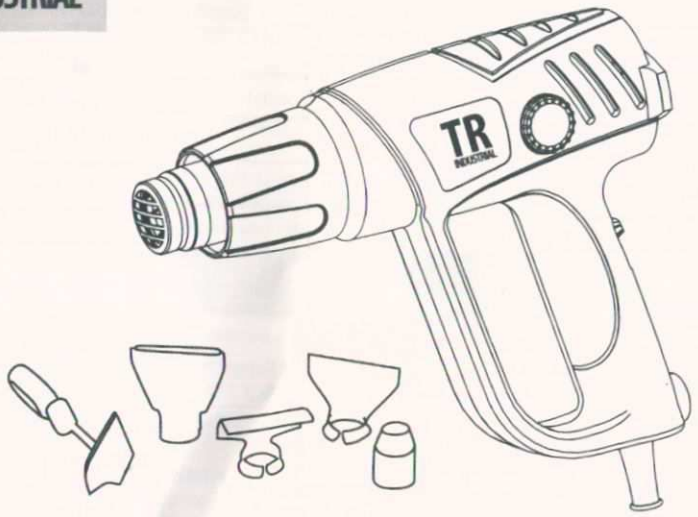
TR89200

TR™ INDUSTRIAL

INSTRUCTION MANUAL

HEAT GUN KIT



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1500 WATT POWER | 12.5 AMP POWERFUL MOTOR | 2 YEAR LIMITED WARRANTY

Your heat gun has been engineered and constructed to be easy to use, dependable, and safe. With the right care, it can take care of your needs for years to come.

WARNING: Please read and understand this manual in its entirety before using the product. Doing so can reduce the risk of injury.

SAVE THIS MANUAL FOR FUTURE REFERENCE

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SPECIFICATIONS

PRODUCT SPECIFICATIONS

Voltage ..... 120V AC ~ 60 Hz
Motor Power ..... 1500W 12.5 Amps
Ratings ..... Double Insulated, Class II Product

Temperature ..... Setting I: 122 - 842 °F
..... Setting II: 194 - 1112 °F
Air Flow ..... Setting I: 300L / min
..... Setting II: 500L / min

CERTIFICATIONS

- UL/CUL Listed
- Conforms to UL STD No. 499 and No. 1097
- Certified to CAN/CSA STD C22.2 No. 122

PACKING LIST

- Heat Gun
- (1) Fan Nozzle
- (1) Glass Protector
- (1) Cone Nozzle
- (1) Spool Reflector
- (1) Handheld Scraper
- (1) Instruction Manual
- (1) Carrying Case

The product and its individual parts are already assembled. Make sure that all items listed in the packing list are present.

⚠ **WARNING:** Using a product that might have been improperly assembled could result in injury.
- Inspect the tool carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.
- If any parts are damaged or missing, please contact TR Industrial customer support.

Features:

Use this 1500 watt heat gun to loosen rusty nuts, heat-shrink, weld plastics and dry out damp wood. It comes with two fan settings and a temperature control dial to give you heat customizability options as well as an integrated support stand so you can work hands-free. It also includes all the accessories you need to get started with a fan nozzle, glass protector, cone nozzle, spool reflector, and handheld scraper.

GENERAL SAFETY RULES

⚠ **WARNING: PLEASE READ AND UNDERSTAND ALL INSTRUCTIONS.** Electrical shock, fire, and/or serious personal injury may result from failure to follow all instructions listed below.

READ ALL INSTRUCTIONS

- **IF UNDER THE INFLUENCE OF DRUGS, ALCOHOL OR ANY MEDICATION, DO NOT OPERATE THE TOOL.**
- **FAMILIARIZE YOURSELF.** Learn the applications and limitations as well as the specific potential hazards related to this tool by reading the operator's manual carefully.
- **PREVENT BODY CONTACT WITH GROUNDED SURFACES TO GUARD AGAINST ELECTRICAL SHOCK.** For example: pipes, radiators, ranges, and refrigerator enclosures.
- **MAINTAIN A CLEAN WORK AREA.** Cluttered areas and benches invite accidents. Do not leave tools or pieces of wood on the tool while it is in operation.
- **KEEP YOUR WORK AREA WELL LIT** to better see the work and to make sure that no obstructions will interfere with safe operation before performing any work using your tool.
- **ONLY USE IN SAFE ENVIRONMENTS.** Do not use power tools in damp or wet locations or expose to rain. Keep the work area well lit.
- **DO NOT WORK NEAR BYSTANDERS AND/OR CHILDREN.** All bystanders should wear safety glasses and be kept a safe distance from work area. Do not let bystanders touch tool or extension cord while operating.
- **CHILDPROOF YOUR WORKSHOP.** Use padlocks, master switches, and remove any starter keys.
- **SECURE YOUR WORK IN PLACE.** Use clamps or a vise to hold work when practical; it is safer than using your hand and frees both hands to operate the tool.
- **DO NOT USE IN A POTENTIALLY EXPLOSIVE ENVIRONMENT.** Normal sparking of the motor could ignite fumes.
- **AVOID OVERREACHING.** Keep proper footing and balance at all times.
- **DON'T PUSH THE TOOL BEYOND ITS LIMITS.** It will do the job better and safer at the capacity for which it was designed.
- **WEAR SAFETY GOGGLES WITH SIDE SHIELDS.** Everyday eyeglasses have only impact-resistant lenses; they are no substitute for safety glasses/goggles.
- **WEAR THE PROPER GEAR.** Avoid wearing loose clothing, neckties or jewelry while working. Rubber gloves and nonskid footwear are recommended when working outdoors. Also wear protective hair covering to contain long hair above shoulder length.
- **TAKE CARE OF YOUR LUNGS.** Wear a face or dust mask if the operation is dusty.
- **TAKE CARE OF YOUR HEARING.** Wear hearing protection if working with loud equipment and/or tools.
- **TAKE CARE OF YOUR ELECTRICAL CORD.** Never carry tool by the cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges. Carry the tool via the carrying handle only.
- **REGULARLY CHECK ON YOUR TOOL CORDS.** If damaged, have them repaired by a qualified service technician at an authorized service facility.
- **UTILIZE THE RIGHT EXTENSION CORD.** Make sure your extension cord is in good condition. Use only a cord heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in a loss of power and overheating. A wire gauge size (A.W.G.) of at least 14 is recommended for an extension cord 25 feet or less in length. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
- **USE EXTENSION CORDS DESIGNED FOR OUTSIDE USE.** When tool is used outdoors, use only extension cords with approved ground connection that are intended for use outdoors and are marked as so.
- **REGULARLY INSPECT YOUR EXTENSION CORDS.** Be sure to replace if damaged.
- **ALWAYS TURN THE POWER OFF WHEN TOOL IS NOT BEING USED.** Don't leave the tool until it comes to a complete stop.
- **UNPLUG FROM POWER SOURCE.** When not in use, before servicing or when changing attachments, all tools should be disconnected from power source.
- **BE AWARE OF THE POWER BUTTON.** Be sure that the switch is off when plugging in any tool.
- **ALWAYS TAKE CARE OF YOUR TOOLS.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories.
- **ONLY QUALIFIED REPAIR PERSONNEL SHOULD PERFORM SERVICE ON THIS TOOL.** Service or maintenance performed by unqualified personnel could result in injury.
- **DO NOT ALLOW ANYONE TO SIT OR RIDE ON THE MACHINE.**

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- **CHECK IF ON/OFF SWITCH WORKS.** Have defective switches replaced by an authorized service center.
- **CHECK PARTS FOR DAMAGE.** Before further use of the tool, any part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.
- **ONLY USE IDENTICAL PARTS** when replacing. Use of any other parts may create a hazard or cause product damage.
- **ONLY USE THE ACCESSORIES** recommended in the manual. Use of accessories that are not listed may cause injury.
- **KEEP TOOL AWAY FROM OIL AND GREASE AND AS DRY AS POSSIBLE.** Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products or any solvents to clean tool.
- **STAY ALERT AT ALL TIMES!** Do not allow familiarity (gained from frequent use of your tool) to cause a careless mistake. ALWAYS REMEMBER that a careless fraction of a second is sufficient to inflict severe injury.

SPECIFIC SAFETY RULES

- **ALWAYS** keep in mind that behind walls, floors, ceilings, and other panels, there could be flammable materials, which could be ignited from the heat of this tool while stripping paint. If something does catch fire, it could be behind the materials, which means you may not notice it, but it can cause considerable damage. Keep in mind that this gun can produce heat up to 1000° F or 538° C.
- **THIS HEAT GUN** is not a hair dryer. Please do not attempt to use it as such.
- **ALWAYS** shut down and disconnect the heat gun, and let it cool for 30 minutes before moving it or storing it. Make sure the heat gun is on a flat surface where the nozzle tip can point upwards, so that it can cool properly.
- **ALWAYS** use high-quality paint stripping knives and scrapers to use this tool effectively.
- **DO NOT OBSTRUCT THE NOZZLE.** Make sure the air intake and main nozzle are always unobstructed.
- **AIM.** Always aim the gun directly at the work at hand, and away from other people and flammable materials.
- **DO NOT TOUCH** the nozzle or allow it to touch other objects during use or within a short time of use as it becomes extremely hot.
- **DO NOT** poke or push anything inside the nozzle.
- **KNOW** your work environment well to avoid any unforeseen hazards.
- **DRY PAINT** should be cleaned off the nozzle after use to make sure it doesn't ignite.
- **SCRAPER BLADE** should also be cleaned frequently during use so that it doesn't ignite.
- **DO NOT** combine the use of this heat gun with chemical strippers.
- **ONLY USE** scrapers for scraping, do not attempt to use the attachments or other parts for scraping.
- **DO NOT** attempt to use this for heating foods.
- **KEEP** the nozzle far from the cord.
- **NEVER** forget that this gun can ignite flammable materials, and always be aware of the environment and surrounding objects.

NOTES ABOUT THE HEAT GUN

1. Make sure the tool is off and disconnected from power when it's not being used.
2. Clean the scraper often when in use as the residue build up can be flammable.
3. Try using the heat gun with the nozzle at different distances from the object being worked on to find the right amount of distance.
4. When stripping paint, there will be bits of paint around the work area, be sure to clean them up as you work.
5. If you're using the heat gun indoors, be sure to keep it away from curtains, upholstery, papers, and other flammable materials.
6. This tool can do an excellent job if used properly, but it's recommended you practice on smaller projects first to gain the skill necessary to excel on bigger jobs.

PAINT REMOVAL

1. It's always best to do the work outdoors. If it's not possible to do outdoors, be sure to keep the area ventilated. Keep windows open and make sure you have a fan blowing the air out.
2. If there are any rugs, carpets, furniture, cooking utensils or air ducts, be sure to remove them.
3. For safety reasons, be sure to wear protective clothing and place cloths on the ground to catch paint chips and peelings.
4. Work areas should be well sealed away from the rest of the room, and be sure to only do one room at a time.
5. Pregnant women and nursing mothers should not be present during the work due to potential health hazards.
6. Wear a mask that has been approved by OSHA to

prevent dust and fumes from entering.

7. Do not leave the heat gun in one spot for too long as it can produce fumes, which might then be breathed in.
8. Do not consume any food, drinks, tobacco or other substances in the work area.
9. Make sure you wash your hands, arms, and face thoroughly before consuming anything.
10. Mop the floors well with detergent once the job is complete.
11. Keep a double plastic bag handy to place paint chips and debris into. Dispose of it properly.
12. Remove your protective clothing in the work area after work is done to avoid bringing it into other environments.

⚠ **WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- **Lead from lead-based paints,**
- **Crystalline silica from bricks and cement and other masonry products, and**
- **Arsenic and chromium from chemically-treated lumber.**

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling, and other construction activities. Wear protective clothing and wash areas with soap and water. Allowing dust to get into your mouth, eyes or lay on the skin may promote absorption of harmful chemicals.

⚠ **WARNING:** Use of this tool can generate and/or disperse dust, which may cause serious and permanent respiratory or other injury. Always use **NIOSH/OSHA** approved respiratory protection appropriate for the dust exposure. Direct particles away from face and body.

⚠ **WARNING: ALWAYS** use safety glasses. Everyday eye glasses are **NOT** safety glasses. Also use face or dust mask if cutting operation is dusty.

ALWAYS WEAR CERTIFIED SAFETY EQUIPMENT:

- ANSI Z87.1 eye protection (CAN/CSA Z94.3)
- ANSI S12.6 (S3. 19) hearing protection
- NIOSH/OSHA/MSHA respiratory protection

SAVE THESE INSTRUCTIONS. These instructions will likely come in handy at some point in the future, and it is recommended that you refer to them often to keep the information in mind.

SAFETY SYMBOLS


Read the user's manual in its entirety before using this tool.


Always wear safety goggles.


Always use hearing protection.

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ELECTRICAL

USING EXTENSION CORDS

When using a power tool at a considerable distance from the power source, use an extension cord heavy enough to carry the current that the tool will draw. An undersized extension cord will cause a drop in line voltage, resulting in a loss of power and causing the motor to overheat. Use only 3-wire extension cords that have 3 prong grounding plugs and 3-pole receptacles that accept the tool's plug. Use the chart provided below to determine the minimum wire size required in an extension cord. Only round jacketed cords listed by (UL) should be used.

Amp Rating (AMP)	0-6	6-10	10-12	12-16
Cord Length	**Wire Size (A.W.G.)** American Wire Gauge			
25'	16	14	14	14
50'	16	14	14	12
100'	14	12	10	Not Recommended

Before using an extension cord, inspect it for loose or exposed wires and cut or worn insulation.

When working with the tool outdoors, use an extension cord that is designed for outside use. This is indicated by the letters WA or W on the cord's jacket.

ELECTRICAL CONNECTION

The precision built electric motor should be connected to a power supply that is 120 volts/60Hz AC only. Do not operate this product on DC. If there is a substantial drop in voltage, it may lose power, causing the motor to overheat. If the product does not operate when plugged into an outlet, check on the power supply.

⚠ WARNING:
Be sure to keep the cord in a position where it will not get caught on tools or other obstructions while you are working. Failure to do so can result in serious personal injury.

⚠ WARNING:
If extension cords are damaged, replace them immediately. Electrical shock and/or serious injury can result from using any tool with a damaged cord.

SPEED AND WIRING

The speed changes depending on voltage. It's very important the wiring in the shop leading to your product be properly installed. Also, it's important to keep in mind that a line that can support one power tool may not have the ability to handle two or three.

GROUNDING INSTRUCTIONS

This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. If the product malfunctions or breaks down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

The plug provided should not be modified. If it will not fit the outlet, have the proper outlet installed by a qualified electrician. Improper use of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

If in doubt as to whether the tool is properly grounded, check with a qualified electrician or service personnel.

Repair or replace a damaged or worn cord immediately.

POWER SUPPLY

Make sure your power supply is appropriate for this heat gun. Keep in mind that 120 volts AC only means that your tool will work on standard 60 Hz household power. Do not attempt to use AC tools on DC power. If the rating is 120 volts AC/DC, this also means the tool will work on standard 60 Hz household power. This information is available on the nameplate. If lower voltage is used, there will be a loss in power, which can result in over-heating.

OPERATION

OPERATING THE HEAT GUN

The switch can be adjusted to control both the heat output and the fan speed. The temperature adjustment knob is used in combination with the switch to find the proper setting.

- Slide the switch to the position marked with "I" for low air speed/heat.
- Slide the switch to the position marked with "II" for high air speed/heat.
- Slide the switch to the position marked with "0" to turn it off.
- Turn the knob clockwise to raise the temperature.
- Turn the knob counter-clockwise to lower the air temperature.

PAINT REMOVAL

Proper paint removal is in fact quite a developed skill. A few simple projects should help you refine your technique.

Start by turning on the heat gun and holding it with the nozzle around one inch from the surface you're planning to strip. The paint should start to blister once it's ready to be stripped. You can then scrape it with even, smooth strokes. If the paint is hot enough and the scraper is appropriate for the surface being stripped, the paint should come off in a way that mirrors the size of the scraper. Keep the heat gun slightly ahead of the scraper to make sure the paint is softened. Moving the heat gun slowly, but steadily is the ideal way to distribute heat. Remember that the bits and pieces can be flammable, and may ignite. Take care, keeping that in mind.

TIPS FOR PAINT STRIPPING

Some paints will become more difficult to strip if they are heated for too long. Be sure to try a few variations to get the technique down based on the paint being stripped.

Paint should be removed immediately after being heated as it will cool and harden again.

If a window frame is being stripped, do not allow the heat gun to stay focused on an area on the glass as it can cause it to crack. Instead, use some type of non-flammable material to shield the glass off.

MORE THAN A PAINT STRIPPER

Don't forget that this heat gun is an extremely dynamic tool that can be used for a lot more than paint stripping. It can be used to soften linoleum, floor tile, loosening heat sensitive adhesives, heat-shrinkable tubing, and even some automotive uses such as reducing drying time on paints and set up time on body fillers. Place the heat gun on a flat surface to use it hands-free.

> ⚠ **WARNING:** The use of any accessory not recommended for use with this tool could be hazardous. Always unplug the tool before attaching or removing accessories. Do not remove accessory tips until the tool has cooled to room temperature.

INCLUDED ATTACHMENTS

Fan Nozzle: For wider distribution of hot air, mostly for wider surfaces such as doors and floors.

Glass Protector: Safer to use near glass as it distributes heat away from the area that needs to be protected.

Cone Nozzle: For more precision, this nozzle concentrates the air into a smaller area.

Spool Reflector: Dispenses the air equally around the whole object, which is ideal for soldering pipework or shrink sealing electrical cables.

Handheld Scraper: Convenient for scraping paint.

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