



OWNER'S MANUAL

⚠WARNING

-  ALWAYS READ INSTRUCTIONS BEFORE USING TOOL
-  ALWAYS WEAR SAFETY GOGGLES
-  AVOID PROLONGED EXPOSURE TO VIBRATION

MODEL NO.
ATD-3737

**SAVE THIS
MANUAL FOR
FUTURE REFERENCE**

ATD-3737

Heavy Duty Heat Gun Owner's Manual

⚠WARNING

FOR INDOOR USE ONLY. STORE INDOORS TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE HEAT GUN TO RAIN OR MOISTURE. CONNECT TO GROUNDED OUTLET. READ INSTRUCTION MANUAL BEFORE USING.



⚠WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known 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 well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

WARNING ! IMPORTANT SAFETY INSTRUCTIONS

WARNING : Heat guns are a source of very high temperature flameless heat (up to 750°F/399°C). As with other products which generate extremely high temperatures, regardless of your specific application, sufficient care and caution should be observed when using this product to reduce the risk of fire, electrical shock or personal injury. Therefore, we recommend that you pay very close attention to the following safety instructions which are provided for your protection.

1. Read and understand this instruction manual before using this product. Save this manual for future reference.
2. **WARNING:** with a heat gun, as with all other tools, **ALWAYS KEEP A FIRE EXTINGUISHER HANDY** and be sure to observe sensible fire precautions.
3. **DO NOT** use this heat gun on hollow surfaces such as outdoor siding, walls, soffits, panels and partitions, etc. Areas like this often contain flammable materials such as dust, wood chips, insulation, rodent nests and other debris which could accidentally ignite. Use your heat gun for stripping paint from solid woodwork with ins and outs such as solid interior trim, molding, turnings, doors, balusters and porch trim, etc.
4. When striping paint, **ALWAYS** keep the heat gun moving in a continuous back and forth motion. Be aware that stopping or pausing too long in one spot could ignite the surface you are working on or the area behind it.
5. **NEVER** breathe or swallow lead based paint in any form. Many old homes and other buildings contain lead based paint. Dust scrapings, residues and vapors of lead based paint are extremely poisonous. Prevent possible lead poisoning when stripping this type of paint by using adequate ventilation (such as a window fan in the exhaust mode), and keeping a clean work area. Use a respirator designed to filter lead when dust or vapors are present. Work outside when possible.
6. Failure to follow adequate safety precautions when working with lead based paint could result in lead poisoning.
7. **WARNING:** To lessen the risk of fire or electric shock, **NEVER** expose heat guns to rain or moisture. Store indoors. Connect to grounded outlet only.
8. Do not use plug adapters or remove the ground prong from the plug. This tool is equipped with a 3-prong plug and a 3-wire grounding system. Connect to properly grounded outlets only.
9. Use heat gun **ONLY** on adequately rated circuits to avoid overheating of electrical systems
10. Heat guns can produce up to 750°F(399°C) of flameless heat. **NEVER** direct this hot airstream at clothing, hands or other body parts. **NEVER** use as a hair dryer.
11. Always hold tool by the handle or use the attached stand. **NEVER** touch the nozzle opening or nozzle shield until the tool is cool. When in **"HOT"** mode extreme heat is generated in those areas.
12. Operate the heat gun in the **"COLD"** position for two-three (2-3) minutes before switching to **"OFF"** position. This will allow the heat gun to cool down and the nozzle to become cool to the touch.
13. **NEVER** touch work surface with nozzle. Keep at least 1" away.
14. Keep work area clean. Flammable materials and other debris could accidentally ignite and cause injury.
15. **KEEP AWAY FROM CHILDREN.** All visitors should be kept at a safe distance from the work area. **NEVER** let visitors touch the tool or extension cord.
16. Use tool in a well ventilated area. Do not use near flammable liquids or in an explosive environment (where fumes, gasses or dust are present).
17. Wear Safety glasses at all times.
18. When using an extension cord, use only a 3-wire grounded cord with a wire size of 14 gauge or larger. We recommend they be listed by Underwriters Laboratories (UL) in the U.S.A. Or (CSA) Canadian Standards Association in Canada and be suitable for outdoor use. Cords marked for outdoor use are also suitable for indoor use.
19. Never abuse cord set. **NEVER** yank by cord to remove from electrical outlet or carry tool by the cord.
20. Don't remove adjustable stand. Place tool on a level surface when not in use. Position cord set so it doesn't cause tipping.
21. **NEVER** leave heat gun unattended while running or cooling down.
22. **STAY ALERT.** Do not operate tool when you are tired. Use common sense and be careful of what you are doing.
23. Store properly. Do not put away until the tool is completely cooled. Store in a dry, high or locked location.
24. Always unplug tool before performing any cleaning or maintenance. We recommend that all maintenance be performed by a qualified repair technician who is experienced in the repair of electric tools, or a qualified service organization.

OPERATING INSTRUCTIONS

Operating the Heat Gun

1. Plug heat gun into properly rated outlet.
2. With the rocker switch in the "OFF" position, familiarize yourself with handling the heat gun. Find the switch and the ventilation shutter.
3. Move rocker switch to the "HOT" position. Heat gun will reach full operating temperature in approximately two minutes.
4. Move air intake shutter to desired position. To obtain maximum heat output, turn the ventilation shutter so it covers the ventilation openings. Open will provide slightly cooler air.
5. For maximum heating, place the nozzle one (1) inch from the area to be heated.
6. CAUTION: NEVER position the nozzle closer than one (1) inch to the work. This will cause premature failure of the heating element.
7. To reduce heat output, turn the ventilation shutter to maximum opening and move the nozzle away from the work.
8. The adjustable stand allows nozzle to be rotated 90° from the vertical to the horizontal position.
9. **WARNING:** Operate the heat gun in the "COLD" position for two-three (2-3) minutes before switching to "OFF" position. This allows the heat gun to cool down and the nozzle to become cool to the touch.
10. Move switch to "OFF" position.

NOTE: For the best operating results, perform a trial test on all materials.

Paint stripping

1. To strip paint, turn heat gun on and hold it about one (1) inch from the surface being stripped. Proper distance and speed of stripping should be determined by experience. It is best to hold the gun further from the surface and to move forward slowly. Slower speed is made up for by the wider softened areas. Heat will also penetrate deeper.
2. Regulate the outlet temperature by using the shutter at the side of the heat gun. With open shutter, temperature is about 500°F/260°C at a distance of one (1) inch from the nozzle. With closed shutter, temperature is about 750°F/399°C. Try difference settings to find the best result with the paint you are stripping.
3. As paint starts to blister and bubble, move gun slowly and steadily across the surface. Follow closely with a scraping knife (a two (2) inch wall scraper works best) to remove the loosened paint. To increase the speed of stripping the paint, preheat the scraper as you move along the work surface with the heat gun.
4. When stripping paint from grooves in molding, you may need to devise your own scraper tools. Many people use old screwdrivers with ground-down blades and linoleum knives to do the job.
5. When the job is completed, move rocker switch to "COOL" position. Operate blower for a minutes on cool.

Shrinking Packaging

After shrink wrap has been sealed around product, make a small hole in it to allow trapped air to escape. Then wave heat gun back and forth across package until shrink wrap has tightened around product.

Removing Floor Tile

Using a back and forth motion, apply heated air stream to the tile. This will cause the adhesive backing to soften. Place a putty knife under the tile and lift to remove.

Bending and Forming Plastics

Experiment with a piece of scrap material first to develop a proper technique. Affix plastics piece into a proper holding device. Wave hot air along the whole length of the "bend" line until plastics is softened along that area. Bend plastics to desired position.

Removing Old Putty

When removing putty from a broken window, use caution to first remove the broken glass. When removing putty from an undamaged window, direct hot air away from the glass to prevent cracking due to thermal shock. For convenience, shield the glass from the hot air with a large putty knife. Wave the hot air stream at putty until it becomes soft. Remove with putty knife.

Speed drying Parts

Parts and other materials can be speed dried by directing the heated air stream over the work until dried.

Stretching, Shaping, and Installing Vinyl

Direct hot air stream at vinyl section and use a back and forth motion, Stretch and shape until wrinkles are gone. NEVER aim at glass.

Defrosting Frozen Coils or Pipes

Direct hot air stream at frozen part and use a back and forth motion until the part is defrosted or thawed.

Loosening Nuts and Bolts

Direct hot air stream at nut or bolt to be loosened until the metal expands enough to loosen. Remove the air stream from work piece. Loosen nut or bolt with correct wrench.

WARNING: This heat gun operates at a high temperature with no visual indication of temperature (no flame). Therefore, if not used carefully and properly, there is potential for fire hazard and personal injury (burns).

CLEANING AND CARE

Make sure that the ventilation openings are kept clean and free of foreign matter.

WARNING: Always disconnect the tools from the power supply before cleaning. The tools may be cleaned most effectively with compressed dry air. NEVER attempt to clean by inserting pointed objects through openings.

Use a mild soap and damp cloth to clean outside of tool. Do not use other cleaning agents, turpentine, gasoline, lacquer thinner, paint thinner, or other solvents that may contain chemicals which are harmful to plastics and other insulating materials. Never immerse tool in a liquid or allow a liquid to enter inside the tool.

LUBRICATION

The bearings are lubricated at the factory and require no further lubrication.

TECHNICAL DATA

HEAVY DUTY HEAT GUN

MODEL NUMBER: ATD-3737

POWER SOURCE: 120V AC, 60Hz, 13.5A

WATTS: 1600W

TEMPERATURE: 500°F-750°F 260 -399

CORD: 6' (183cm), 3-Prong Plug

NET WEIGHT: 3 lb 11oz (1.68 kg)

MAINTENANCE

WARNING: Never repair this unit when plugged in.

Replacing the On-Off Switch:

1. Remove all 4 screws from the on-off switch casing.
2. Using needle nose pliers, pull the red, black, and white wires from the on-off switch.
3. Connect the white wire to the #1 Slot on the switch: connect the red wire to the #2 slot, and connect the black wire to the #5 slot.
4. Place the switch back in the housing and securely fasten all four screws.

REPLACING THE HEATING ELEMENT

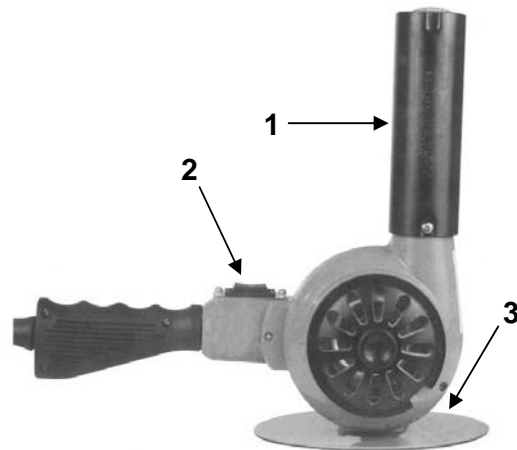
WARNING: Never repair this unit when plugged in.

Removing the heating element:

1. Remove the three screws from the nozzle shield. Slide the nozzle shield up the nozzle assembly until the shield holds in place.
2. Loosen the screw that holds the heating element in the nozzle assembly: do not completely remove the screw or nut at this time. With the screw loosened, remove the heating element from the nozzle assembly. Once the heating element is removed from the nozzle assembly, then remove the screw which holds the heating element in the nozzle assembly.
3. Disconnect both wires from the brass terminal. This is done by slowly pulling the wire off the terminal.

Reassembling Heat Gun with Replacement Heating Element:

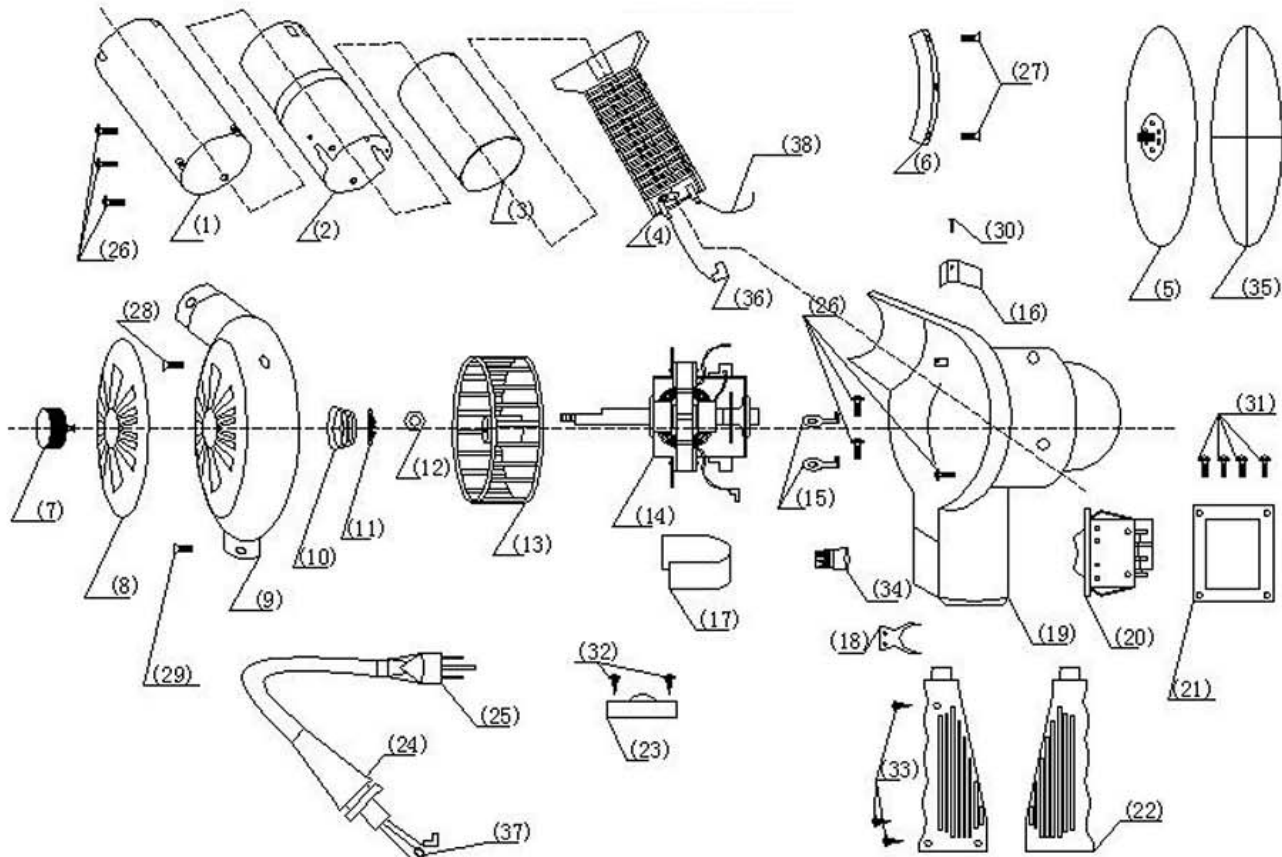
1. Connect both wires back onto the brass terminals. It will not matter which wire is connected to which terminal.
2. Insert nozzle assembly screw into heating element; do not tighten the nut completely. Make sure that one piece of the insulation is on each side of the screw.
3. Slide the nozzle assembly over the heating element. Make sure that the heating element screw fits securely into the groove of the nozzle assembly. Then tighten the heating element screw. This will secure the heating element in the nozzle assembly.
4. Align the holes of the heating assembly with the holes on the housing of the heat gun.
5. Slide the nozzle shield over the nozzle assembly, making sure the holes are aligned.
6. Screw the three screws securely into the nozzle shield.



Ref. No.	Part No.	Description
1	PRT3737-04	Heating Element
2	PRT3737-20	On-Off Switch
3	PRT3737-05	Round Stand



ATD-3737



ITEM#	ORDERING PART#	PART DESCRIPTION
1	PRT3737-01	WIND TUBE SHEATH
2	PRT3737-02	WIND TUBE
3	PRT3737-03	MICA PAPER
4	PRT3737-04	HEATING ELEMENT
5	PRT3737-05	STAND
6	PRT3737-06	ALUMINUM BLOCK
7	PRT3737-07	TIGHTENING KNOB
8	PRT3737-08	VENTILATION SHUTTER
9	PRT3737-09	LEFT HOUSING
10	PRT3737-10	SPRING
11	PRT3737-11	CIRCLIP FOR VENTILATION SHUTTER
12	PRT3737-12	NUT
13	PRT3737-13	FAN
14	PRT3737-14	MOTOR ASSEMBLY
15	PRT3737-15	WIRE CLIP A
16	PRT3737-16	WIRE CLIP B
17	PRT3737-17	INSULATOR
18	PRT3737-18	CIRCLIP FOR HANDLE
19	PRT3737-19	RIGHT HOUSING

ITEM#	ORDERING PART#	PART DESCRIPTION
20	PRT3737-20	SWITCH
21	PRT3737-21	SWITCH PANEL
22	PRT3737-22	HANDLE
23	PRT3737-23	STAIN PLATE
24	PRT3737-24	STRAIN RELIEF
25	PRT3737-25	POWER CORD
26	PRT3737-26	SCREW(4*8R)
27	PRT3737-27	SCREW(4*8F)
28	PRT3737-28	SCREW(3*12R)
29	PRT3737-29	SCREW(3*6F)
30	PRT3737-30	SCREW(3*8F)
31	PRT3737-31	SCREW(3*6R)
32	PRT3737-32	SCREW(4*6S)
33	PRT3737-33	SCREW(3*13S)
34	PRT3737-34	TERMINAL BLOCK
35	PRT3737-35	RUBBER PAD
36	PRT3737-36	WIRE CONNECTOR
37	PRT3737-37	EARTH TERMINAL
38	PRT3737-38	INTERNAL WIRING