

30W Soldering Iron



5 Year Limited Warranty

PRODUCT SPECIFICATIONS

| | |
|--------------------------------|--------------------|
| Motor: | 120V-60Hz |
| Input Power | 30W |
| Max Temp. | 400°C (752° F) |
| Replacement nickel plated tips | 1138-800 |
| Cord length | 1.3m (Approx. 4ft) |
| Weight: | 1.45 lbs. (0.66kg) |

NEED ASSISTANCE?

Call us on our toll-free customer support line:
1-866-349-8665 (Monday through Friday 9am – 5pm Eastern Standard Time)

- Technical questions
- Replacement parts
- Parts missing from package

GENERAL POWER TOOL SAFETY WARNINGS

Warning! Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term “power tool” in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool. Save these instructions.

1) Work area

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

2) Electrical safety

- a. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs which earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- c. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d. 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.
- e. 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. Always use tool in conjunction with a residual circuit breaker device.
- f. 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

3) Personal safety

- a. 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.

- b. 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.
- c. Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- d. 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.
- e. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f. 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.

4) Power tool use and care

- a. 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.
- b. 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.
- c. 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.
- d. 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.
- e. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f. Use the power tool, accessories, and tool bits etc. In

accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from that intended could result in a hazardous situation.

5) Service

- a. Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
- b. Caution! The use of any accessories or additional tools other than those recommended in this manual may lead to an increased risk of injury. Only use original replacement parts.

SPECIFIC SAFETY WARNINGS

- a) Avoid serious burns. This soldering iron reaches extremely high temperatures. Do not point the iron or turn toward a bystander while soldering.
- b) Wear protective eye wear to avoid injury from splashes and soldering fumes
- c) Do not open soldering iron. This tool must be repaired by a qualified service technician.
- d) To prevent electric shock, always de-energize any circuits or wires to be soldered before making connections and soldering.
- e) Exposure to soldering fumes is harmful and can increase the risk of developing certain cancers and diseases. Keep head out of fumes. DO NOT breathe soldering fumes. Use only in a well-ventilated area.
- f) Never lay a hot soldering iron on any surface where contact with flammable materials is possible.
- g) Maintain labels and nameplates on the tool.
- h) Do not leave the tool unattended when it is plugged into an electrical outlet. Turn OFF tool and unplug it BEFORE leaving.
- i) Wash hands after use.

SAVE THIS USER MANUAL

⚠ WARNING
MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

| MINIMUM GAUGE (AWG) EXTENSION CORDS (120 V use only) | | | | | |
|--|---------------|----------------------|------------|----------------|-------------|
| Ampere rating | | Total length in feet | | | |
| More than | Not more than | 7.5 m (25') | 15 m (50') | 30 m (100') | 45 m (150') |
| 0 | 6 | 18 | 16 | 16 | 14 |
| 6 | 10 | 18 | 16 | 14 | 12 |
| 10 | 12 | 16 | 16 | 14 | 12 |
| 12 | 16 | 14 | 12 | Not Applicable | |



CONFORMS TO UL STD. 499
 CERTIFIED TO CSA STD. C22.2 NO. 60335-1 & 60335-2-45

OPERATING
Tinning The Tip

Before soldering, prep the soldering iron by tinning the tip. Tinning is the process of covering the tip with a thin layer of solder. This process will help improve the heat transfer from the iron to the item being soldered. Tinning will also help to protect the tip, reduce wear, and extend the life of the tip by reducing oxidation.

Tin tips before and after each soldering session, as well as in between soldering every two to three joints. Keep the tip tinned at all times, from the first time it is used until it is discarded.

- Ensure the tip is attached to the iron and screwed tightly in place.
- Plug in soldering iron and let it heat up. If using a soldering station with an adjustable temp control, set it to 400° C/ 752° F.
- Wipe the tip of the soldering iron on a damp sponge to clean it. Wait a few seconds to let the tip heat up again before proceeding to next step
- Hold the soldering iron in one hand and solder in the other. Touch the solder to the tip of the iron and make sure the solder flows evenly around the tip. The tip should appear shiny.
- Begin soldering as soon as the “tinning” is completed.

Soldering

- Plug the iron into an electrical outlet.
- Place the soldering iron on the stand, until soldering tip is well heated.
- Tin the soldering iron tip as described above.
- Put the soldering tip to the joint or components to be soldered. Hold the soldering iron there for 3-4 seconds to heat the joint
- Continue holding the soldering iron to the joint to be soldered and then touch the solder to the joint. **IMPORTANT- Do not touch the solder directly to the tip of the iron. The joint must be hot enough to melt the solder when its touched. If the joint to be soldered is too cold, it will form a bad connection.**
- Apply solder to the joint until it is fully coated.
- Remove the iron and let the solder cool down naturally, don't blow on the solder to cool as this will cause a bad joint.

A proper solder joint is smooth, shiny and looks like a volcano or cone shape. Use just enough solder to cover the entire joint but not too much so it becomes a ball or spills to a nearby lead or joint.

CHANGING OR REPLACING THE TIP

When the soldering tip cracks or becomes eroded, it is time to replace the tip.

- Ensure iron is unplugged and cooled off enough to handle
- Loosen screw near tip with a Phillips® screwdriver
- Pull out tip to be replaced
- Insert new tip and tighten. **DO NOT** over tighten

*Replacement chrome tip 1138-800

STORAGE

Never attempt to store the soldering iron while it is hot. Ensure the tool is OFF/unplugged and cooled BEFORE storing.

MAINTENANCE

Surfaces of the soldering iron may be cleaned with a damp rag or sponge. NEVER use petroleum-based cleaners to clean any components of the soldering iron.

NEVER use lubricants on any part of the soldering iron.

Remove any debris and combustible material from the soldering iron. The iron must be kept clear and free from combustible materials, gasoline and other flammable vapor and liquids.

NOTE: ANY OTHER SERVICING SHOULD BE PERFORMED BY AN AUTHORIZED SERVICE REPRESENTATIVE.

BENCHMARK WARRANTY

If this Benchmark tool fails due to a defect in material or workmanship within five years from the date of purchase, return it to any Home Hardware store with the original bill of sale for exchange. 3-year warranty for the battery and charger. This warranty does not include expendable parts including but not limited to blades, brushes, belts, light bulbs. This warranty covers defects in material or workmanship only. It does not cover normal wear and tear, failure due to abuse/misuse, or defects caused by careless or accidental mishandling. If this Benchmark product is used for commercial or rental purposes, this warranty does not apply.

BENCHMARKTM_{MC}**BENCHMARK TOOLS CANADA**

ST. JACOBS, ONTARIO N0B 2N0

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