

PRODUCT MANUAL

30 W ALL IN ONE - De-Soldering Iron

Part No. 2218189

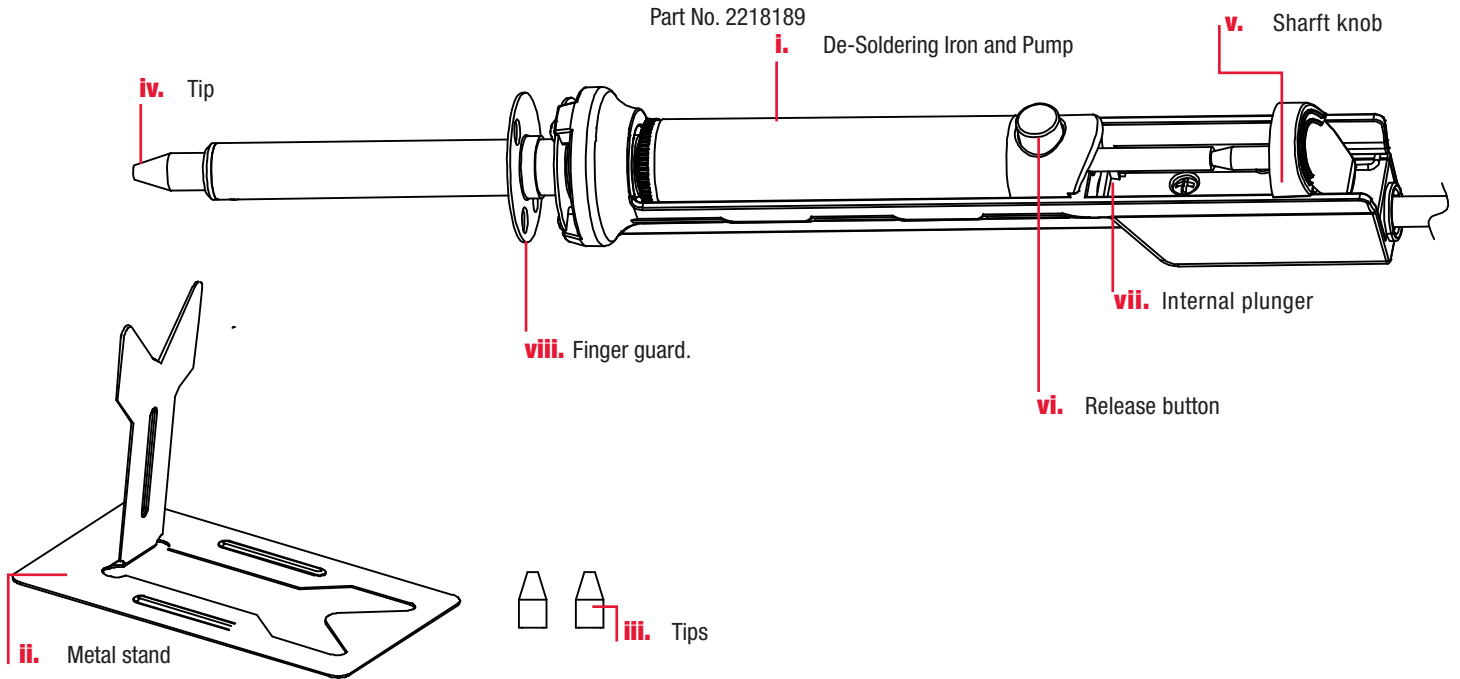


Fig. 1

NOTE CONTENTS FOR EACH DE-SOLDERING IRON MIGHT VARY
PLEASE CHECK PACKAGING FOR EXACT DESCRIPTION

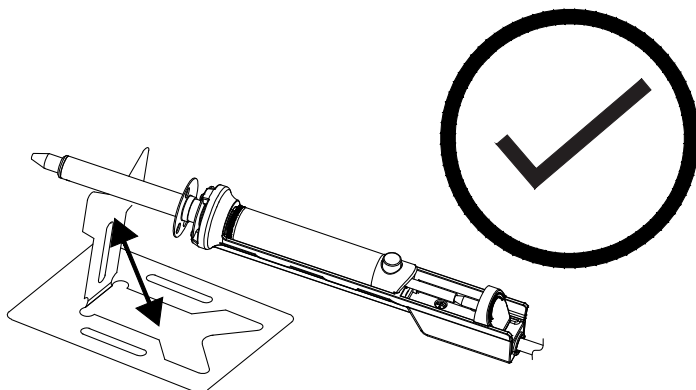


Fig. 2 - Correct storage of De-Soldering Iron when not in use

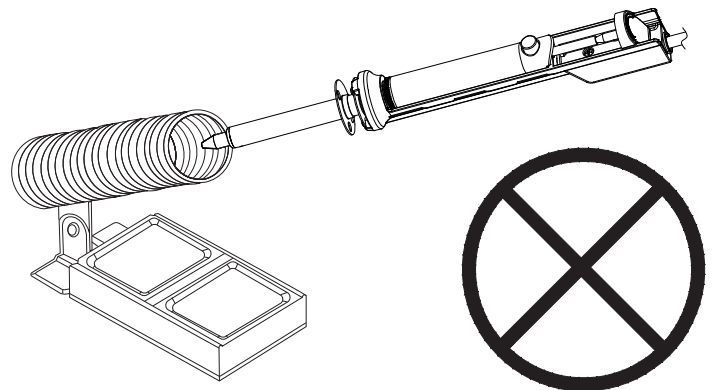


Fig. 3 - Do not place in coil holder

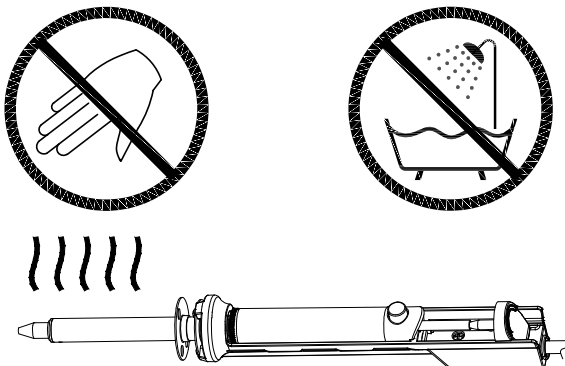


Fig. 4 - WARNING - hot tip when in use, do not touch, keep De-Soldering Iron clean and away from oils and lubricants. Do not immerse De-Soldering Iron in water

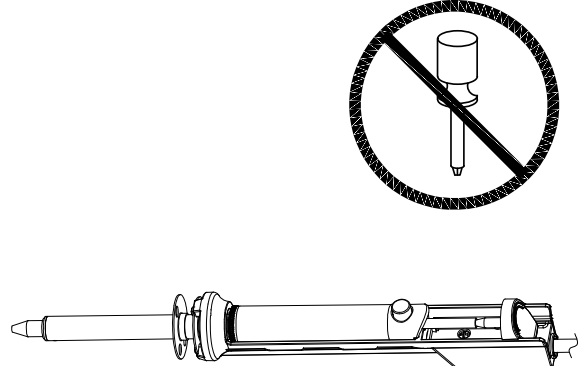


Fig. 5 - Do not modify or attempt to repair the De-Soldering Iron except as indicated in the instructions for use and care.

SAFETY WARNINGS

Read all safety warnings, instructions, illustrations and specifications provided with this De-Soldering Iron. Failure to follow all instructions listed below may result in electric shock, and/or serious injury. **Save all warnings and instructions for future reference.** The term “De-Soldering Iron” in the warnings refers to your mains-operated (corded) De-Soldering Irons or battery-operated (cordless) De-Soldering Irons.

WORK AREA SAFETY

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate De-Soldering Iron in explosive atmo-liquids, gases or dust. De-Soldering Irons create sparks which may ignite the dust or fumes.
- **Keep children and bystanders away while operating**

ELECTRICAL SAFETY

- Indoor use. Do not expose De-Soldering Iron to rain or wet conditions. Water entering a De-Soldering Iron will increase the risk of electric shock (Fig. 4)

PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating a De-Soldering Iron. Do not use a De-Soldering Iron while you are tired/distracted or under the influence. A moment of inattention while operating a De-Soldering Iron may result in serious personal injury.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- **Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source, picking up or carrying the De-Soldering Iron.**
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the De-Soldering Iron in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- Do not let familiarity gained from frequent use of the De-Soldering Irons allow you to become complacent and ignore De-Soldering Iron safety principles. A careless action can cause severe injury within a fraction of a second.

DE-SOLDERING USE AND CARE

- Do not force the De-Soldering Iron. Use the correct De-Soldering Iron for your application. The correct De-Soldering Iron will do the job better and safer at the rate for which it was designed.
- Do not use the De-Soldering Iron if the switch does not turn it on and off. Any De-Soldering Iron that cannot be controlled with the switch is dangerous and must be replaced.
- Disconnect the plug from the power source and/or turn off the battery, from the De-Soldering Iron before making any adjustments, changing accessories, or storing De-Soldering Iron. Such preventive safety measures reduce the risk of starting the De-Soldering Iron accidentally.
- Store idle De-Soldering Iron **out of the reach of children** and do not allow persons unfamiliar with the De-Soldering Iron or these instructions to operate the De-Soldering Iron. De-Soldering Iron are dangerous in the hands of untrained users.
- Maintain De-Soldering Iron and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the De-Soldering Iron's operation. If damaged, have the De-Soldering Iron repaired before use. Many accidents are caused by poorly maintained De-Soldering Iron.
- Use the De-Soldering Iron, accessories and De-Soldering Iron bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the De-Soldering Iron for operations different from those intended could result in a hazardous situation.
- Keep handles and grasping surfaces dry, clean and free from oil and grease. (Fig. 4) Slippery handles and grasping surfaces do not allow for safe handling and control of the De-Soldering Iron in unexpected situations.
- Do not expose a De-Soldering Iron to fire or excessive temperature. Exposure to fire or temperature above 130°C (265°F) may cause explosion.

SPECIFIC SAFETY RULES FOR DE-SOLDERING IRONS

- Contact with a hot tip could ignite flammable materials. Contact with a hot tip could ignite a fire.
- While in use do not stand or store De-Soldering Iron on its side. De-Soldering Iron could tip resulting in contact between hot tip and flammable materials. Always set/store De-Soldering Iron on metal stand provided (Fig. 2)
- Do not place De-Soldering Iron in coil stand (Fig. 3).
- Keep hands clear of the tip serious burns can occur if skin contacts tip (Fig. 4)
- Work in well ventilated areas. De-Soldering can produce fumes and smoke.
- Use personal protective equipment when using
- This De-Soldering Iron is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

KEEP AWAY FROM CHILDREN

- To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your De-Soldering Iron, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc., can cause a short circuit. (Fig. 4)
- To reduce the risk of injury, always wear safety goggles or glasses with side shields. Keep hands and fingers behind finger guard (Fig.1 / vii). Serious burns could occur if skin contacts a hot tip.(Fig. 4)

ACCESSORIES

Use only recommended accessories. Others may be hazardous.

For a complete listing of accessories, go online to www.tradeflame.com

CHANGING THE SOLDERING TIP

Ensure the tip is cool and De-Soldering Iron is switched off and unplugged from mains current before touching the tip as serious burns could occur to skin if touched.

1. Unscrew the tip in a anti clockwise movement.(Fig. 6)
2. Remove the tip and replace. (Fig. 7)
3. Tighten the tip securely with a clockwise movement. (Fig. 6)

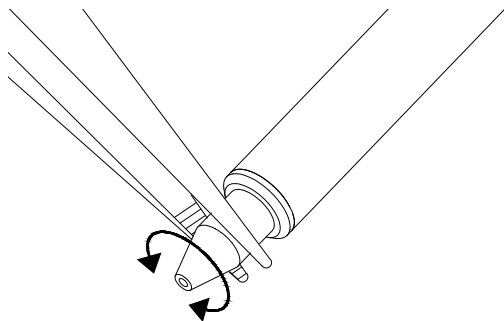


Fig. 6

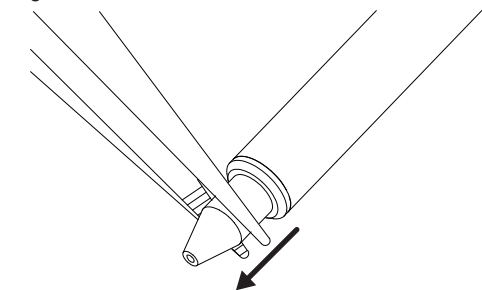


Fig. 7

SOLDERING HINTS

- Re-tin the tip (cover the heated tip with solder) prior to use.
- Use the De-Soldering Iron to heat the work items and apply solder directly to the work items – not to the De-Soldering Iron tip.
- Clean the tip with a damp sponge or Tradeflame's Brass Tip Cleaning brass wire (part number: 218167). after use – do not file tip.
- Use the metal stand when De-Soldering Iron is not in use

OPERATING

1. Prepare the work area and piece
2. Ensure the De-Soldering Iron tip and work items are clean.
3. Make sure De-Soldering Iron tip is fixed in position and secure. (Fig. 6 & 7)
4. Insert the pump tube into the tool with the release button facing out
5. Connect De-Soldering Iron to mains current and place on the metal stand provided (Fig. 2).
6. Let the tool rest on the safety stand provided and wait for 5 minutes for the tool to reach working temperature
7. Reverse the PCBA so that the terminal leads are facing up and secure the PCBA on a steady surface for easier operation
8. Push down the shaft knob (Fig. 1 / v) of the pump with your thumb all the way down until it clicks
9. Hold the De-Soldering Irons with your thumb over the release button (Fig. 1 / vi)
10. Position the hot tip directly over the soldering point for a few seconds to melt the solder around that connection
11. Once you see the molten solder, press the release button to suck up the molten solder
12. If there is still residue solder at the connection point, repeat steps
13. Move on to the next connection point until the component can be freed
14. Be careful not to overheat the board and/or any heat sensitive components
15. Allow the joint to cool undisturbed.
16. To turn off the De-Soldering Iron at the mains current.
17. While still hot, clean the tip with a lightly damp sponge or Tradeflame's Brass Tip Cleaning Brass Wire (Part Number: 218167).
WARNING! Avoid contact, tip is hot and could cause serious burns.
18. Place De-Soldering Iron on Metal Stand provided on its side with the tip away from working area (Fig. 2)
19. Turn the mains current off and unplug the De-Soldering Iron.
20. Let the De-Soldering Iron to cool down naturally
21. Once tip has cooled store in a safe and dry space.

MAINTENANCE

CLEANING PIN

- Molten solder can cool down quickly inside the metal barrel causing obstruction.
- After each use, unplug the tool, hold the tool with tip facing upwards, then use the cleaning pin provided to clear out the internal pathway by inserting the pin through the tip hole and push away solder residue
- Slide the cleaning pin back into the main body of the tool for storage

DE-SOLDERING TIP

- The tips are made with iron-plated copper with good heat conduction for faster heat transfer
- Always clean the tip with solder tip cleaning brass wire or damp sponge after each use

SUCTION PUMP

To empty solder residue from the suction pump, remove the suction pump from the main body, screw open the end caps and empty the solder residue

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