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› [WEP 929D-V 2-in-1 Desoldering Iron Instruction Manual](#)

WEP 929D-V

WEP 929D-V 2-in-1 Desoldering Iron Instruction Manual

Model: WEP 929D-V | Brand: WEP

1. INTRODUCTION

Thank you for choosing the WEP 929D-V 2-in-1 Desoldering Iron. This device combines the functionality of a soldering iron and a desoldering pump, designed for efficient removal of solder from electronic components. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your tool.

Included Components:

- WEP 929D-V Desoldering Iron
- 5 interchangeable desoldering nozzles (0.8mm, 1.0mm, 1.2mm, 1.5mm)
- Heat-resistant iron stand
- Cleaning sponge
- Cleaning pin



Figure 1: WEP 929D-V Desoldering Iron with included nozzles, stand, and cleaning pin.

2. SAFETY WARNINGS

Please read and understand all safety instructions before using this product.

- **Voltage Compatibility:** This product is rated for 110-127V USA specifications. Do not connect this iron to a 220V power socket, as this can cause severe damage to the device and pose a safety hazard.
- **Initial Use Smoke:** It is normal for the iron to produce some smoke during the first few minutes of operation. This is due to the burning off of manufacturing residues and will subside. Ensure adequate ventilation.
- **Hot Surfaces:** The desoldering iron tip and surrounding metal parts become extremely hot during operation. Avoid direct contact with skin to prevent burns. Use the provided heat-resistant iron stand when the tool is not in active use.
- **Heat Deflector:** The tool features a heat deflector designed to reduce heat transfer to your hand during use. However, prolonged contact with hot components should still be avoided.
- **Nozzle Replacement:** Always allow the desoldering iron to cool completely before attempting to replace the desoldering nozzles.

- **Cleaning:** Ensure the device is unplugged and cooled before performing any extensive cleaning or disassembly of the solder storage tube.
- **Ventilation:** Use the desoldering iron in a well-ventilated area to avoid inhaling solder fumes.

3. PRODUCT COMPONENTS

The WEP 929D-V is designed for ease of use and maintenance. Familiarize yourself with its key parts:

- **Desoldering Nozzles:** Five interchangeable nozzles (0.8mm, 1.0mm, 1.2mm, 1.5mm) are included to accommodate various component sizes.
- **Heat Deflector:** A protective shield to minimize heat transfer to the user's hand.
- **Charging Handle:** Used to prime the internal pump mechanism for suction.
- **Release Button:** Activates the suction to remove molten solder.
- **Solder Storage Tube:** A removable chamber that collects extracted solder for easy disposal.
- **Operation Indicator:** A light that indicates when the unit is powered on and heating.



Figure 2: The desoldering iron with its interchangeable nozzles (0.8mm, 1.0mm, 1.2mm, 1.5mm) for various applications.

Deflector design

The heat deflector can reduce the heat transferring to your hand



Figure 3: The heat deflector helps reduce heat transfer to the user's hand during operation.

4. SETUP

1. **Assemble Iron Stand:** Place the cleaning sponge into the base of the iron stand. The stand is designed to securely hold the desoldering iron when not in use.
2. **Select Nozzle:** Choose the appropriate desoldering nozzle size (0.8mm, 1.0mm, 1.2mm, or 1.5mm) for the component you intend to desolder. Ensure it is securely attached to the iron tip.
3. **Connect to Power:** Plug the desoldering iron into a standard 110-127V AC power outlet. The operation indicator light will illuminate.
4. **Preheat:** Allow the desoldering iron to preheat for approximately 3 minutes. The tip must reach sufficient temperature to melt solder effectively.



Figure 4: The simple flip-up iron stand with a cleaning sponge for safe placement of the desoldering iron.

5. OPERATING INSTRUCTIONS

The WEP 929D-V is designed for efficient, single-handed desoldering. Follow these steps for effective solder removal:

1. **Charge the Piston:** Before each use, push the charging handle down until it locks into place. This primes the internal spring-loaded pump for suction.
2. **Melt the Solder:** Place the heated nozzle directly onto the solder joint you wish to desolder. Allow the solder to melt completely, ensuring it is in a liquid state.
3. **Extract Solder:** While the solder is still molten, press the release button on the handle. The internal pump will rapidly create suction, drawing the molten solder into the storage tube.
4. **Repeat if Necessary:** For larger solder joints or stubborn connections, you may need to repeat steps 1-3 until all solder is removed.

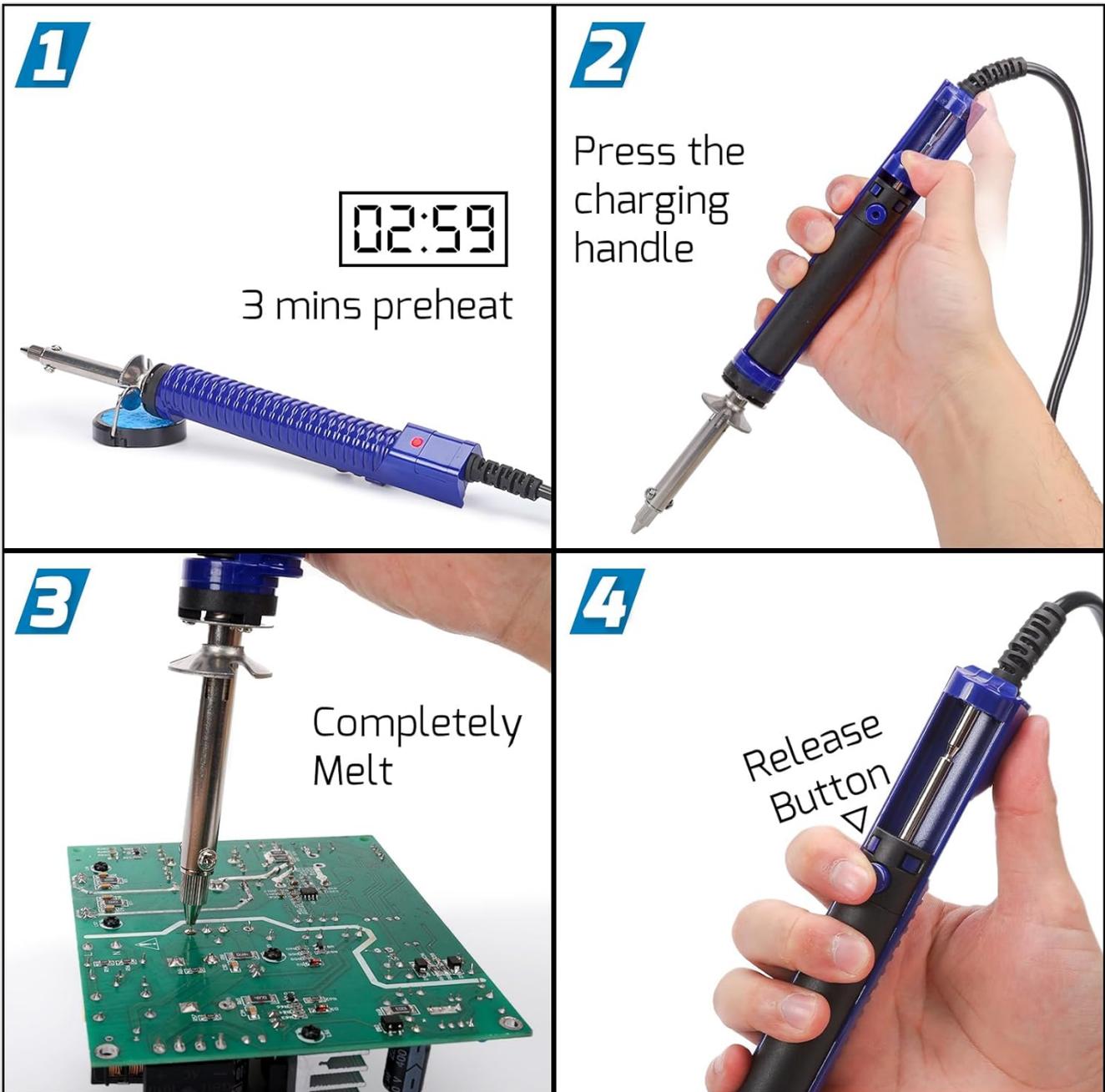


Figure 5: Visual guide to the 4-step desoldering process: preheat, charge piston, melt solder, and press release button.

Enjoy efficient single-handed desoldering

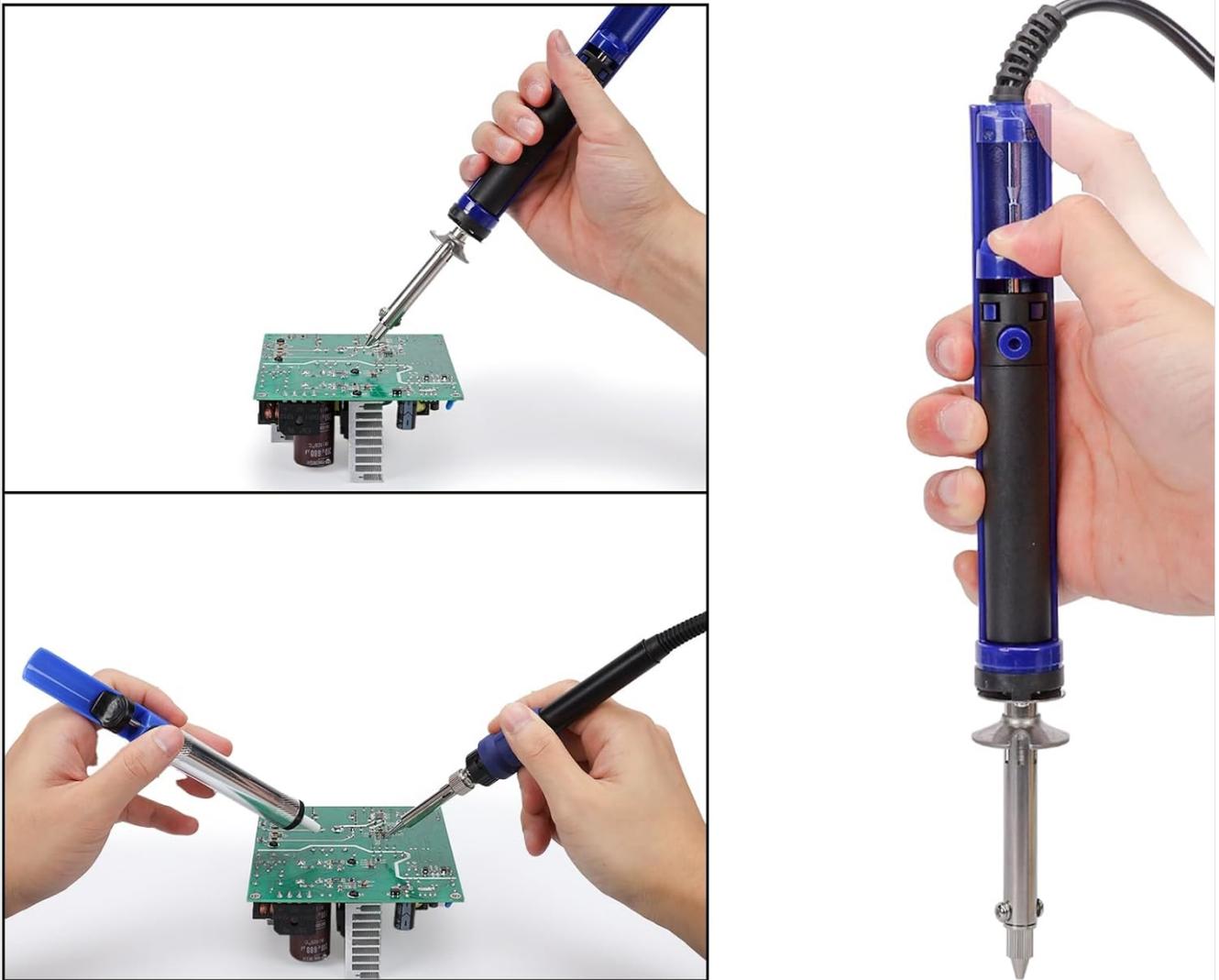


Figure 6: The ergonomic design allows for comfortable and efficient single-handed desoldering.

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Video 1: An overview of the WEP 929D-V 2-in-1 Desoldering Iron, demonstrating its features and operation, including nozzle changes and cleaning.

6. MAINTENANCE AND CLEANING

Regular cleaning is crucial to prevent blockages and maintain the performance of your desoldering iron. Always ensure the device is unplugged and completely cooled before cleaning.

1. **Clean Suction Nozzle & Heating Element:** After preheating, if there is any solder residue in the nozzle or heating element, use the provided cleaning pin to clear it.
2. **Remove Solder Storage Tube:** Once the desoldering iron has cooled completely, turn off the power. Gently lift and pull out the scrap solder storage tube from the main unit.
3. **Clean Storage Tube:** Remove and dispose of any accumulated tin slag or solder debris from the internal part of the storage tube.
4. **Reassemble:** Reinsert the cleaned solder storage tube back into the desoldering iron, ensuring it is securely in place.

Suction Nozzle & Heating Element

Cleaning Tips

NOTE: Please clean after preheat

(1) Remove tin storage tube



(2) 3 mins preheat, cleaning after completely melted the solder in hole

Tin Storage Tube

Cleaning Tips



(1) Turn off the power, lift and pull out when storage tube has cooled



(2) Remove and clean its internal tin slag

Figure 7: Detailed steps for cleaning the suction nozzle, heating element, and the removable tin storage tube.



Figure 8: The solder storage tube can be easily removed for cleaning of accumulated solder debris.

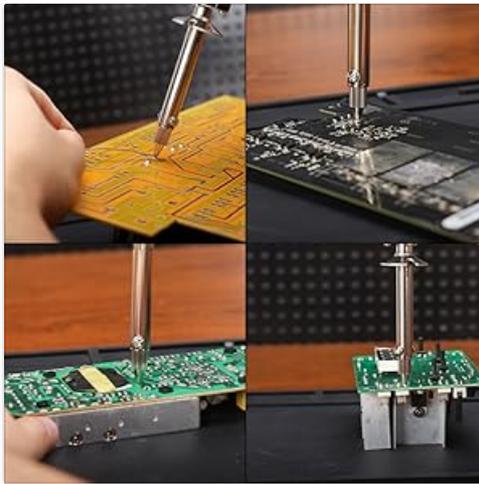


Figure 9: The provided cleaning pin is used to clear any blockages in the heating element.

7. TROUBLESHOOTING

If you encounter issues with your WEP 929D-V desoldering iron, consider the following common points:

- **Poor Suction:** This is often caused by a clogged nozzle or solder storage tube. Ensure both are clean as per the Maintenance section.
- **Solder Not Melting:** Verify the unit is plugged in and the operation indicator light is on. Allow sufficient preheating time (at least 3 minutes). Ensure the nozzle is making good contact with the solder joint.
- **Solder Getting Stuck:** Ensure the solder is fully molten before activating the suction. Regular cleaning of the storage tube and nozzle will prevent buildup.

8. SPECIFICATIONS

Feature	Specification
Brand	WEP
Model	929D-V
Power Source	AC
Voltage	110-127 Volts (USA specifications)
Wattage	30 watts
Material	Iron
Item Weight	10.2 ounces
Product Dimensions	10.24 x 1.38 x 1.06 inches
Included Nozzles	0.8mm, 1.0mm, 1.2mm, 1.5mm (5 pieces total)

9. WARRANTY AND SUPPORT

The WEP 929D-V Desoldering Iron kit is covered by an exclusive **1-year USA technical support**. For any questions, issues, or assistance, please contact our dedicated support team. We offer 24-hour assistance to ensure

your satisfaction and proper functioning of the product.

