

WEP WEP #1200

WEP #1200 Soldering Iron Tips Set Instruction Manual

Model: #1200

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1. INTRODUCTION

This manual provides instructions for the proper use and maintenance of your WEP #1200 Soldering Iron Tips Set. These tips are designed for precision soldering tasks and are compatible with specific WEP soldering stations. Please read this manual thoroughly before use to ensure safe and effective operation.

2. SAFETY INFORMATION

Always prioritize safety when working with soldering equipment. Failure to follow safety guidelines can result in injury or damage to property.

- **Ventilation:** Always work in a well-ventilated area to avoid inhaling solder fumes. Use a fume extractor if available.
- **Eye Protection:** Wear safety glasses to protect your eyes from solder splashes or flying debris.
- **Burn Hazard:** Soldering iron tips reach very high temperatures. Avoid direct contact with skin or flammable materials. Use a heat-resistant mat.
- **Power Off:** Always turn off and unplug your soldering station before changing tips or performing maintenance. Allow the tip to cool completely.
- **Proper Tools:** Use appropriate tools for handling hot tips, such as heat-resistant pliers or a tip removal tool.
- **Electrical Safety:** Ensure your soldering station is properly grounded and rated for 110-127V USA specifications. Do not connect to a 220V power socket.

3. PACKAGE CONTENTS

The WEP #1200 Soldering Iron Tips Set includes the following components:

- 3 x Shape I Soldering Iron Tips
- 1 x Shape 1.2D Soldering Iron Tip
- 1 x Shape 3.2D Soldering Iron Tip

Total: 5 pieces of 900M series soldering iron tips.



Image: A set of five WEP soldering iron tips, displaying various shapes including I, 1.2D, and 3.2D.



Image: WEP soldering iron tips packaged in a clear plastic bag.

4. COMPATIBILITY

These 900M series soldering tips are **ONLY** compatible with the following WEP soldering stations:

- WEP 926LED V3
- WEP 8786D-I SE
- WEP 882D
- WEP 948DQ-II
- WEP 992D+
- WEP 937D-I

If you are unsure about compatibility with your current WEP station, please contact WEP technical support for assistance.

5. SETUP AND TIP REPLACEMENT

Follow these steps to safely install or replace a soldering iron tip:

1. **Power Off:** Ensure your soldering station is turned off and unplugged from the power outlet.
2. **Cool Down:** Allow the existing soldering iron tip to cool down completely to room temperature. Attempting to remove a hot tip can cause severe burns.
3. **Remove Retaining Nut:** Carefully unscrew the retaining nut or collar that secures the tip to the soldering iron handle.
4. **Remove Old Tip:** Gently pull the old tip straight out from the heating element. If it's stuck, a slight twisting motion may help.
5. **Insert New Tip:** Select the desired WEP #1200 tip. Insert the new tip fully onto the heating element. Ensure it is seated correctly.
6. **Secure Tip:** Screw the retaining nut or collar back into place, tightening it firmly but without excessive force.
7. **Power On:** Plug in and turn on your soldering station. Allow the new tip to heat up.
8. **Tinning:** Once the tip reaches operating temperature, immediately tin the new tip by applying a small amount of solder to its working surface. This protects the tip from oxidation and ensures efficient heat transfer.

6. OPERATING INSTRUCTIONS

Proper operation of your soldering iron tips ensures optimal performance and longevity.

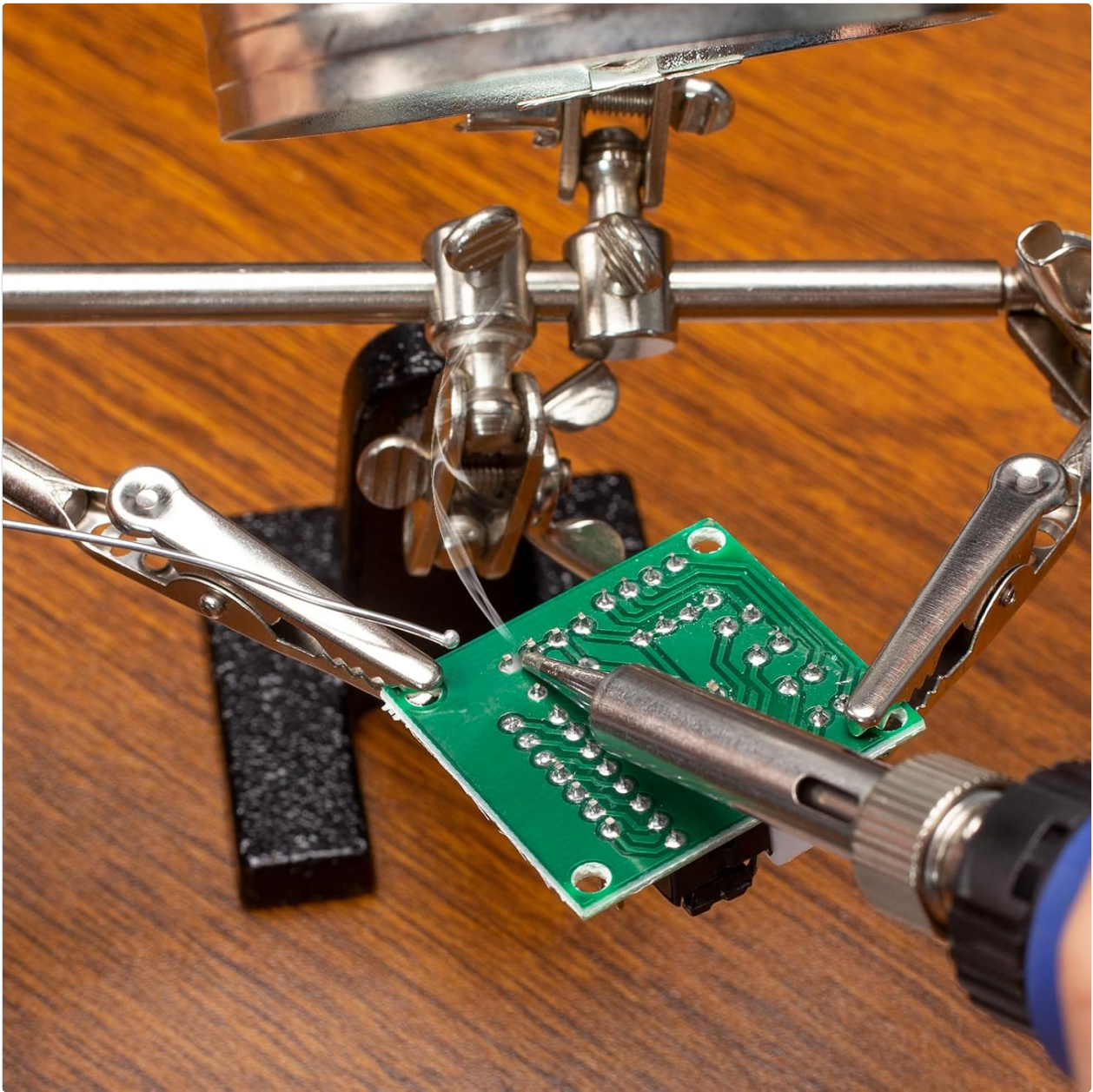


Image: A WEP soldering iron tip being used to solder components onto a green circuit board, held by a 'helping hands' tool.

1. **Pre-tinning:** Always ensure your soldering iron tip is clean and properly tinned before each use. A shiny, silver tip indicates good condition.
2. **Temperature Setting:** Set your soldering station to the appropriate temperature for the solder and components you are using. Refer to your solder's specifications.
3. **Heat Application:** Apply the tip to both the component lead and the PCB pad simultaneously to heat them evenly.
4. **Solder Application:** Once the joint is hot enough, apply solder to the joint, not directly to the iron tip. The solder should flow smoothly and create a shiny, concave fillet.
5. **Remove Solder and Iron:** Remove the solder first, then the soldering iron tip. Allow the joint to cool undisturbed.
6. **Clean Tip:** After each joint or periodically during use, wipe the tip on a damp sponge or brass wool cleaner to remove excess solder and flux residue. Re-tin the tip immediately.

7. MAINTENANCE

Proper maintenance extends the life of your soldering iron tips and ensures consistent performance.

- **Regular Cleaning:** Clean the tip frequently during use with a damp cellulose sponge or brass wool. This removes oxidation and flux residue.
- **Tinning:** Always keep the tip tinned with a thin layer of solder, especially before storing the iron or when it's idle for more than a few minutes. This prevents oxidation.
- **Avoid Scraping:** Do not scrape the tip with abrasive materials or files, as this can damage the protective plating.
- **Tip Revitalizer:** If a tip becomes heavily oxidized and difficult to tin, a tip revitalizer compound can sometimes restore it. Follow the product instructions carefully.
- **Storage:** Store tips in a dry, non-corrosive environment. Keep them in their original packaging or a dedicated tip holder when not in use.

8. TROUBLESHOOTING

If you encounter issues with your soldering iron tips, consider the following:

- **Tip Not Heating:**
 - Ensure the tip is fully seated on the heating element and the retaining nut is secure.
 - Check if the soldering station is powered on and set to the correct temperature.
 - Verify the soldering station itself is functioning correctly.
- **Solder Not Sticking to Tip (Oxidation):**
 - Clean the tip thoroughly with brass wool or a damp sponge.
 - Re-tin the tip immediately with fresh solder.
 - If heavily oxidized, try a tip revitalizer.
 - Ensure the soldering temperature is adequate for the solder type.
- **Poor Solder Joints:**
 - Ensure the tip is clean and tinned.
 - Verify the soldering temperature is correct.
 - Apply heat to both the component lead and pad simultaneously.
 - Use fresh, good quality solder.
- **Tip Wear:** Soldering tips are consumable items and will wear out over time. Replace tips when they show significant pitting, erosion, or consistent inability to tin properly.

9. SPECIFICATIONS

Brand	WEP
Model Number	WEP #1200
Item Type Name	Soldering Iron Tips
Number of Items	5
Included Components	3*Shape I, 1*Shape 1.2D, 1*Shape 3.2D
Head Style	Flat (for 1.2D, 3.2D), Pointed (for I)

Nominal Item Length

1.5 Inches (approx. 40mm)



Image: WEP soldering iron tips with a length measurement of 1.57 inches (40mm).

10. WARRANTY AND SUPPORT

The WEP #1200 Soldering Iron Tips Set is covered by a 1-year USA technical support. Our dedicated team is available for 24-hour assistance.

For technical support, compatibility inquiries, or any other questions, please reach out to WEP technical support via the Buyer-Seller Messaging System on the platform where you purchased the product.