

Weller 7135W

Weller 7135W Unplated Copper Replacement Tips for 8200 and 9200 Solder Guns Instruction Manual

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1. INTRODUCTION

The Weller 7135W unplated copper replacement tips are designed for use with Weller 8200 and 9200 series solder guns. These tips provide efficient heat transfer for various soldering applications. This manual provides essential information for the safe and effective installation, operation, and maintenance of your replacement tips.

2. SAFETY INFORMATION

Always observe the following safety precautions when working with soldering equipment:

- **Eye Protection:** Always wear safety glasses to protect against solder splashes and fumes.
- **Ventilation:** Work in a well-ventilated area or use a fume extractor to avoid inhaling solder fumes.
- **Hot Surfaces:** Soldering tips reach high temperatures. Avoid direct contact with skin or flammable materials. Allow tips to cool completely before handling or storing.
- **Power Off:** Always unplug the solder gun from the power source before installing, removing, or cleaning tips.
- **Proper Tools:** Use appropriate tools for handling hot tips, such as pliers or heat-resistant gloves.
- **Work Area:** Keep your work area clean and free of clutter. Ensure stable surfaces for your solder gun and components.

3. PACKAGE CONTENTS

Your package should contain the following items:

- 2 x Weller 7135W Unplated Copper Replacement Tips



Image: Two Weller 7135W unplated copper replacement tips, as they appear in the package. These tips are designed for durability and efficient heat transfer.

4. COMPATIBILITY

These Weller 7135W replacement tips are specifically designed to fit the following Weller solder gun

models:

- Weller 8200 Series Solder Guns
- Weller 9200 Series Solder Guns

Ensure your solder gun model is listed above for proper fit and function.

5. SETUP & INSTALLATION

Follow these steps to safely install the replacement tips into your Weller solder gun:

1. **Ensure Power is Off:** Unplug your Weller solder gun from the electrical outlet before beginning installation. Allow the gun and any existing tip to cool completely if it was recently used.
2. **Remove Old Tip (if applicable):** If replacing an old tip, carefully loosen the tightening nuts on the solder gun that secure the tip. Remove the old tip and set it aside.
3. **Prepare New Tip:** The 7135W tips are unplated copper and may require bending to fit older Weller solder gun models that use tightening nuts.
 - Slide the existing tightening nuts from your solder gun onto the ends of the new 7135W tip, ensuring the threaded side of the nuts faces outwards.
 - Using a pair of pliers, carefully bend approximately 1/4 to 3/8 inches (6-10mm) of each end of the tip to the side. The bend radius should be tight enough to fit into the holes on the solder gun, but avoid making an absolute 90-degree bend to prevent breakage.
 - Ensure both ends are bent at approximately the same point and angle for proper alignment and heat distribution.
4. **Insert New Tip:** Insert the bent ends of the new tip into the designated holes on the solder gun.
5. **Secure Tip:** Tighten the nuts firmly to secure the tip in place. Do not overtighten, as this can damage the tip or the gun. The connection needs to be secure for good electrical contact and heat transfer.
6. **Check Connection:** After tightening, gently tug on the tip to ensure it is securely seated and does not wobble.

6. OPERATION

Once the tips are installed, you can begin soldering. Follow the operating instructions provided with your Weller 8200 or 9200 series solder gun. Key considerations for optimal tip performance include:

- **Tinning the Tip:** Before first use and periodically during operation, apply a small amount of solder to the hot tip. This "tins" the tip, preventing oxidation and improving heat transfer.
- **Proper Heat:** Allow the solder gun to reach its operating temperature before attempting to solder. The 7135W tips are designed for quick heat-up.
- **Contact Area:** Ensure good contact between the tip, the component lead, and the pad to be soldered for efficient heat transfer.
- **Solder Application:** Apply solder to the heated joint, not directly to the tip. The heat from the tip should melt the solder onto the workpiece.

7. MAINTENANCE

Proper maintenance extends the life of your Weller 7135W tips:

- **Cleaning:** Regularly clean the tip using a damp sponge or brass wool during operation to remove

excess solder and oxidation.

- **Re-tinning:** After cleaning, always re-tin the tip with fresh solder to protect it from oxidation.
- **Oxidation Prevention:** Unplated copper tips are prone to oxidation. Ensure they are always tinned when hot. If oxidation occurs, gently clean with fine sandpaper or a tip tinner/cleaner, then re-tin immediately.
- **Storage:** Store cooled tips in a dry environment.

8. TROUBLESHOOTING

If you encounter issues with your Weller 7135W replacement tips, consider the following:

Problem	Possible Cause	Solution
Tip not heating sufficiently.	Poor electrical contact due to loose nuts or oxidation.	Unplug the gun, allow to cool. Loosen the tightening nuts slightly, then re-tighten firmly to ensure good contact. Clean any visible oxidation from the tip ends and contact points on the gun.
Solder does not adhere to the tip.	Tip is oxidized or not properly tinned.	Clean the tip thoroughly with a damp sponge or brass wool. Immediately re-tin the tip with fresh solder. If heavily oxidized, use a tip tinner/cleaner or fine sandpaper before re-tinning.
Tip breaks during bending.	Excessive force or sharp bend angle.	Ensure a gradual bend. If a tip breaks, it must be replaced.

9. SPECIFICATIONS

Feature	Detail
Model Number	7135W
Material	Unplated Copper
Compatibility	Weller 8200 and 9200 Series Solder Guns
Package Quantity	2 tips per package
Item Weight	0.16 ounces (approx. per package)
Package Dimensions	6.26 x 1.89 x 0.28 inches
Manufacturer	Weller

10. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts, please refer to the official Weller website or contact Weller customer service directly. Keep your purchase receipt for warranty claims.

Weller Official Website: www.weller-tools.com

