

BAKON BK906

BAKON BK906 Soldering Iron Replacement Handle User Manual

Model: BK906

1. INTRODUCTION

This manual provides essential information for the safe and effective use of the BAKON BK906 Soldering Iron Replacement Handle. This handle is specifically designed for compatibility with BAKON 90 and BAKON 881 Soldering Stations. Please read this manual thoroughly before installation and operation.

2. SAFETY INFORMATION

- Always ensure the soldering station is powered off and unplugged before connecting or disconnecting the soldering iron handle.
- Soldering irons operate at high temperatures. Avoid direct contact with the soldering tip and heated parts of the handle.
- Use appropriate personal protective equipment, including safety glasses and heat-resistant gloves.
- Work in a well-ventilated area to avoid inhaling solder fumes.
- Place the soldering iron in its designated stand when not in use to prevent accidental burns or damage.
- Keep out of reach of children.

3. PACKAGE CONTENTS

- 1 x BAKON BK906 Soldering Iron Replacement Handle

Note: Soldering station and tips are sold separately.

4. PRODUCT OVERVIEW

The BAKON BK906 Soldering Iron Replacement Handle is designed for precision soldering tasks. It features a high-quality ceramic heating core for rapid heat-up and stable temperature control. The handle is ergonomically designed with a non-slip, heat-resistant silicone cover for comfortable and safe operation.





Figure 4.1: BAKON BK906 Soldering Iron Replacement Handle.

Key Features:

- **Compatibility:** Specifically designed for BAKON 90/881 Soldering Stations and suitable for BAKON 600M Iron Tips.
- **Ergonomic Design:** Portable slim handle with a non-slip silicone cover for comfortable grip and reduced hand fatigue.
- **Efficient Heating:** High-quality ceramic heating core ensures quick heating.
- **Durable Construction:** Double-sided circuit board design provides high insulation.

with a plug-in heating core design and detachable parts

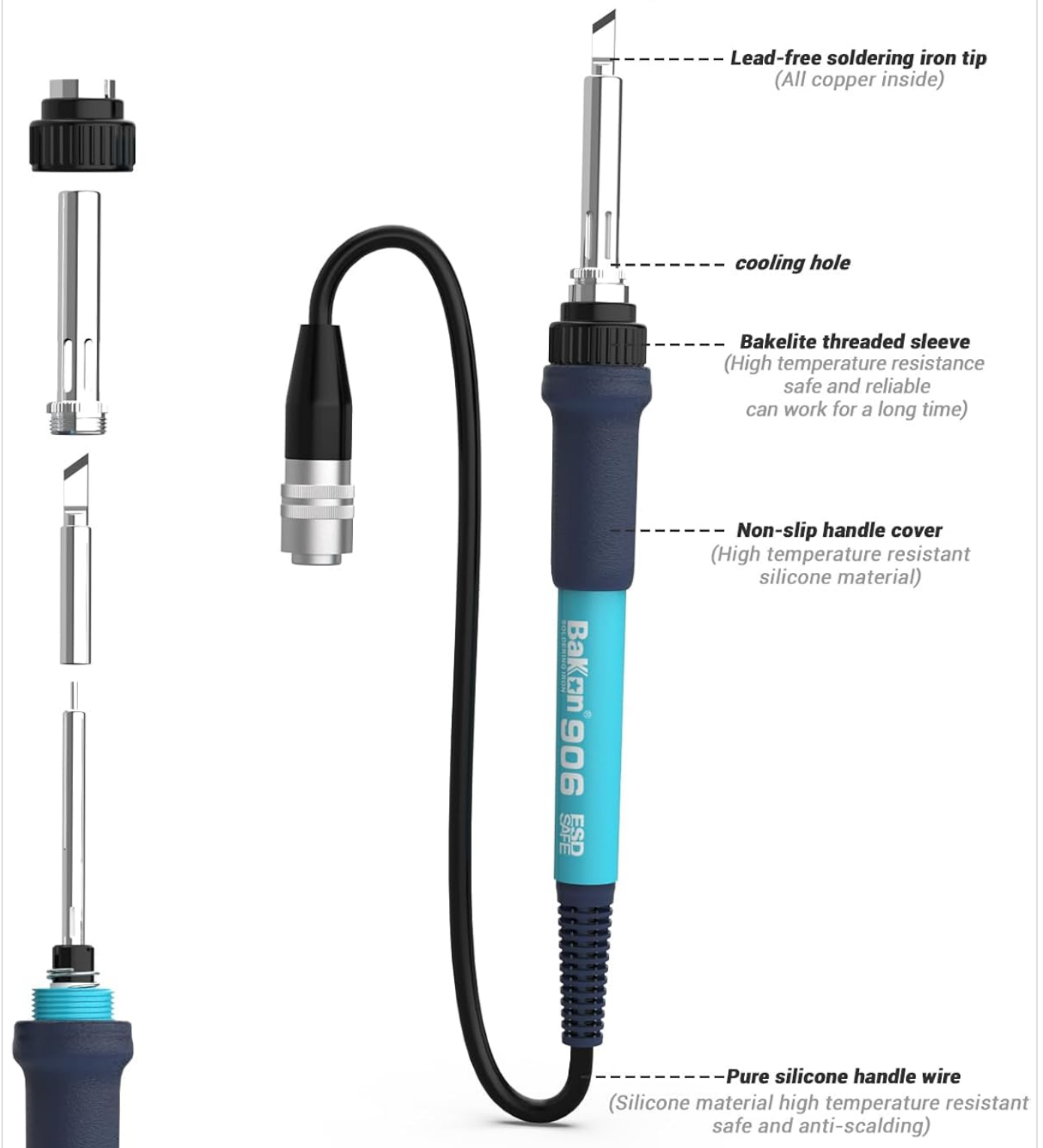


Figure 4.2: Exploded view showing the lead-free soldering iron tip, cooling hole, Bakelite threaded sleeve, non-slip handle cover, and pure silicone handle wire.

5. SPECIFICATIONS

Feature	Specification
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Model	BAKON 906
Power	90W
Heating Core	Ceramics
Material	Copper + Heat-resistant silicone
Handle Cable Length	43 inches (approximately 109 cm)
Item Weight	100 g
Product Dimensions	20.19 x 1.27 x 1.27 cm
Compatible Soldering Stations	BAKON 90, BAKON 881
Compatible Soldering Tips	BAKON 600M Iron Tips



Figure 5.1: Dimensions of the BAKON BK906 Soldering Iron Handle.

6. SETUP

1. **Ensure Compatibility:** Verify that your soldering station is a BAKON 90 or BAKON 881 model. This handle is not compatible with other models or brands.
2. **Power Off:** Turn off and unplug your BAKON soldering station from the main power supply.
3. **Remove Old Handle (if applicable):** If replacing an existing handle, carefully disconnect it from the soldering station's port. Allow any hot components to cool completely before handling.
4. **Connect New Handle:** Align the connector of the BAKON BK906 replacement handle with the corresponding port on your BAKON 90/881 soldering station. Gently push until it clicks securely into place. Do not force the connection.
5. **Install Soldering Tip:** Ensure a compatible BAKON 600M series soldering tip is securely inserted into the handle.
6. **Placement:** Place the soldering iron handle in its designated stand on the soldering station.

Applicable soldering station:



BK90



Figure 6.1: The BAKON BK906 handle connected to a compatible BAKON BK90 soldering station.

7. OPERATING INSTRUCTIONS

Once the BAKON BK906 handle is securely connected to your BAKON 90/881 soldering station, operate the station according to its specific user manual. The handle itself does not have controls; all temperature settings and power management are handled by the soldering station.

1. **Power On:** Plug in the soldering station and turn on its power switch.
2. **Set Temperature:** Use the controls on your soldering station to set the desired temperature for your soldering task. The ceramic heating core in the BK906 handle will rapidly reach the set temperature.

- 3. **Pre-tinning:** Before first use or after cleaning, pre-tin the soldering tip with a small amount of solder to ensure efficient heat transfer and prevent oxidation.
- 4. **Soldering:** Apply the heated tip to the joint to be soldered, then feed solder onto the joint. Ensure proper wetting and flow of the solder.
- 5. **Return to Stand:** Always return the soldering iron to its stand when not actively soldering.
- 6. **Power Off:** When finished, turn off the soldering station and unplug it. Allow the handle and tip to cool completely before storage.

Demonstration Videos:

The following videos demonstrate general operation and temperature control of compatible soldering stations, providing context for using your BAKON BK906 handle.

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Video 7.1: Demonstration of temperature adjustment on a soldering station. This video illustrates how to set and monitor the temperature, which is crucial for effective soldering with the BK906 handle.

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Video 7.2: Example of soldering with a station. This video provides a visual guide to the soldering process, showcasing the interaction between the iron and solder.

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Video 7.3: Another example of soldering with a station. This video further demonstrates practical soldering techniques and the performance of a soldering station.

8. MAINTENANCE

- **Tip Cleaning:** Regularly clean the soldering tip using a damp sponge or brass wool to remove excess solder and oxidation. This maintains optimal heat transfer and tip longevity.
- **Handle Cleaning:** Wipe the handle with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the silicone material.
- **Tip Replacement:** Replace soldering tips when they become excessively worn or corroded to ensure consistent performance. Ensure the station is cool and unplugged before changing tips.
- **Storage:** Store the soldering iron handle and station in a dry, dust-free environment when not in use.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Handle not heating up	◦ Handle not properly connected to station. ◦ Soldering station not powered on or plugged in. ◦ Faulty heating core (less common for new handles). ◦ Incompatible soldering station.	◦ Ensure the handle connector is fully seated. ◦ Check power supply and station power switch. ◦ Verify station compatibility (BAKON 90/881). ◦ Contact customer support if issues persist.

Poor heat transfer to solder	◦ Oxidized or dirty soldering tip. ◦ Incorrect temperature setting on station. ◦ Worn-out soldering tip.	◦ Clean and re-tin the soldering tip. ◦ Adjust the station's temperature to the recommended setting for your solder type. ◦ Replace the soldering tip.
Handle feels loose	◦ Connector not fully engaged. ◦ Internal component issue.	◦ Disconnect and firmly re-connect the handle. ◦ If the issue persists, contact customer support.

If you encounter problems not listed here or if solutions do not resolve the issue, please contact BAKON customer support.

10. WARRANTY AND SUPPORT

BAKON products are manufactured to high-quality standards. If the soldering iron handle replacement does not meet your expectations, please contact us through Amazon's Messaging System. We are committed to providing a satisfactory resolution, which may include a full refund or a replacement. We aim to respond to all inquiries within 24 hours. For further assistance or questions regarding your BAKON BK906 Soldering Iron Replacement Handle, please visit the [BAKON Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

