

TopHomer LSW24021981

TopHomer 11-Piece Flexible Auto Terminal Removal Tool Kit User Manual

Model: LSW24021981

1. INTRODUCTION

Thank you for choosing the TopHomer 11-Piece Flexible Auto Terminal Removal Tool Kit. This kit is designed to assist in the safe and efficient removal of electrical terminal wires from automotive connectors without causing damage to the terminals or the wiring harness. This manual provides essential information on the product's features, specifications, proper usage, and maintenance to ensure optimal performance and longevity of your tools.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Damage-Free Removal:** Specifically designed to extract terminal wires from connectors without bending or breaking the pins.
- **Versatile Kit:** Includes 11 different types of tools to accommodate various automotive terminal designs.
- **Durable Construction:** Made from stainless steel with comfortable black rubber sleeves for enhanced grip and durability.
- **Ease of Use:** Simplifies the process of adding or removing wires from existing harnesses.
- **Compact and Portable:** Tools are designed for easy handling and storage.

2.2 Kit Components

The TopHomer 11-Piece Flexible Auto Terminal Removal Tool Kit includes a variety of single and double-pronged tools, as well as casing removal tools, each designed for specific terminal types. All tools feature a stainless steel shaft and a black rubber ring handle for grip.



Image 1: The complete TopHomer 11-piece flexible auto terminal removal tool kit, showcasing the variety of tools with their black rubber ring handles and metal shafts.



Image 2: A hand holding the TopHomer 11-piece kit, demonstrating its compact size and the convenient keyring for organization.

3. SPECIFICATIONS

Material	Stainless Steel + Black Rubber Sleeve
Weight	Approximately 1.06 ounces (30 grams)
Package Dimensions	2.36 x 1.97 x 1.18 inches (6 x 5 x 3 cm)
Application	Mechanical repair, home electrical work, automotive repair

3.1 Tool Dimensions (Approximate Inner Diameters)

- **Single Card Tools:** 0.7mm, 1.0mm, 1.1mm, 1.2mm
- **Double Card Tools:** 2.0mm, 3.0mm, 4.5mm, 6.0mm
- **Casing Outer Diameter Tools:** 2.0mm, 2.6mm, 3.2mm
- **Casing Inner Diameter Tools:** 1.5mm, 2.1mm, 2.7mm

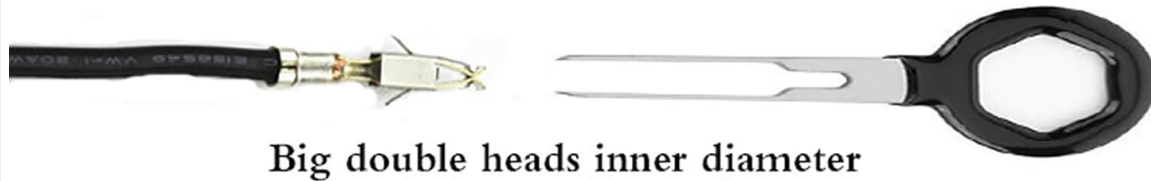
Terminal Removal Tools Plug key



Single heads diameter



Small double heads inner diameter



Big double heads inner diameter

Image 3: A visual guide illustrating the different types of terminal removal tools, including single-head and double-head designs, with their respective inner diameters.

4. SETUP

The TopHomer terminal removal tool kit requires no assembly. Upon receiving the kit, ensure all 11 pieces are present and in good condition. The tools are typically held together by a keyring for convenience. Remove the desired tool from the keyring before use.

5. OPERATING INSTRUCTIONS

These tools are designed to release the small retaining tabs that hold electrical terminals within their plastic connectors. The key to successful terminal removal is selecting the correct tool for the specific terminal type and applying gentle, controlled force.

1. **Identify Terminal Type:** Carefully examine the terminal and connector you wish to disassemble. Note whether it uses a single retaining tab, double tabs, or a casing that needs to be pushed or pulled.
2. **Select the Correct Tool:** Choose a tool from the kit that matches the size and configuration of the terminal's retaining mechanism. The tools are designed with various single prongs, double prongs, or hollow tubes to fit different terminal designs. Refer to Image 3 for guidance on tool types.

3. **Insert the Tool:** Gently insert the chosen tool into the connector opening, alongside the terminal pin. The goal is to slide the tool past the terminal's retaining tab(s) to depress or disengage them. Do not force the tool; if it does not slide in easily, you may have the wrong size or type.
4. **Release the Terminal:** Once the tool is fully inserted and the retaining tab(s) are disengaged, gently pull the wire from the back of the connector while simultaneously holding the tool in place. The terminal should slide out smoothly.
5. **Inspect and Reassemble:** After removal, inspect the terminal and connector for any damage. When reinserting a terminal, ensure it clicks securely into place.



Image 4: A close-up view of a terminal removal tool being used to extract a wire from a multi-pin automotive connector, demonstrating the precise application of the tool.



Image 5: A composite image showing various tools from the kit and their application in removing terminals from different types of connectors.

6. MAINTENANCE

- **Cleaning:** After each use, wipe the tools clean with a dry cloth to remove any dirt, grease, or debris. For stubborn grime, a mild degreaser can be used, followed by thorough drying.
- **Storage:** Store the tools in a dry environment to prevent corrosion. Keeping them on the provided keyring or in a dedicated tool pouch will help prevent loss and damage.
- **Inspection:** Periodically inspect the tools for any signs of wear, bending, or damage. Damaged tools should be replaced to ensure effective and safe operation.

7. TROUBLESHOOTING

- **Terminal Not Releasing:** Ensure you are using the correct tool for the specific terminal type. Verify that the tool is fully inserted and properly engaging the retaining tab(s). Sometimes, a slight wiggling motion of the wire while pulling can help.
- **Tool Not Inserting:** Do not force the tool. If it does not slide in easily, it may be too large for the opening, or you might be using the wrong type of tool. Re-evaluate the terminal design and select a different tool from the kit.
- **Damage to Terminal/Wire:** This usually indicates improper tool selection or excessive force. Always use gentle pressure and ensure the tool is aligned correctly. The purpose of these tools is to prevent

damage.

8. SAFETY INFORMATION

- Always wear appropriate personal protective equipment, such as safety glasses, when working with electrical components.
- Ensure the vehicle's battery is disconnected before working on electrical systems to prevent accidental short circuits or electrical shock.
- Use the tools only for their intended purpose. Misuse can lead to injury or damage to the tools or components.
- Keep tools out of reach of children.

9. WARRANTY AND SUPPORT

Specific warranty information for the TopHomer 11-Piece Flexible Auto Terminal Removal Tool Kit is not provided in the product details. For any questions regarding product support, warranty claims, or technical assistance, please refer to the seller's contact information or the TopHomer official website.