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Reese 74608

Reese Towpower 74608 6-Way Round Terminal Connector Kit User Manual

Model: 74608

Introduction

The Reese Towpower 74608 6-Way Round Terminal Connector Kit is designed to provide a reliable electrical connection between your tow vehicle and trailer. This kit includes all necessary components for a complete installation, ensuring proper functionality of trailer lights and auxiliary power.

It facilitates easy connection for both vehicle and trailer, and comes with a vehicle mounting bracket for convenient accessibility. All hardware required for connecting your tow vehicle to your trailer is included.

Components Included



Image: The Reese Towpower 74608 6-Way Round Terminal Connector Kit, showing the vehicle-side connector, trailer-side connector, wiring harness, mounting bracket, and wire taps.

The Reese Towpower 74608 kit typically includes the following components:

- **Vehicle End Connector:** A 6-way round terminal connector designed for the tow vehicle.
- **Trailer End Connector:** A 6-way round terminal connector designed for the trailer.
- **Wiring Harness:** Approximately 48 inches of multi-color wire for connecting the vehicle and trailer ends.
- **Wire Taps:** Connectors for splicing into existing vehicle wiring.
- **Mounting Bracket:** A bracket for securely attaching the vehicle-side connector.
- **Screws:** Hardware for mounting the bracket.

Setup and Installation

Proper installation is crucial for safe and reliable operation. If you are unsure about any step, it is recommended to consult a professional automotive technician.

1. **Preparation:**
    - Ensure the vehicle's ignition is off and the battery is disconnected to prevent electrical shorts.
    - Gather necessary tools, which may include wire strippers, crimpers, screwdrivers, and a drill.
2. **Mounting the Vehicle Connector:**
    - Select a suitable location on the vehicle's rear bumper or hitch area for the mounting bracket. Ensure it is

easily accessible and protected from road debris.
    - Use the provided screws to securely attach the mounting bracket.
    - Install the vehicle-end connector into the mounting bracket.
3. **Wiring the Vehicle Connector:**
    - Identify the corresponding wires on your vehicle's wiring harness for tail lights, turn signals, brake lights, ground, and auxiliary power. Refer to your vehicle's service manual for specific wiring diagrams.
    - Connect the wires from the Reese Towpower kit's vehicle-end harness to the vehicle's wiring using the provided wire taps or by soldering and heat-shrinking for a more secure connection.
    - Ensure each wire is connected to its correct function (e.g., brown for tail lights, yellow for left turn, green for right turn, white for ground, blue for brake, black for auxiliary/12V+).
4. **Wiring the Trailer Connector:**
    - Connect the trailer-end connector to the trailer's existing wiring, matching the functions to the vehicle-end connector.
    - Ensure all connections are secure and protected from moisture and abrasion.
5. **Testing:**
    - Reconnect the vehicle battery.
    - Connect the trailer to the vehicle.
    - Test all lighting functions (tail lights, brake lights, left turn, right turn) and any auxiliary power functions to ensure proper operation before towing.

Operating Instructions

Once installed, operating the 6-way round terminal connector is straightforward:

- **Connecting:** Align the male end of the trailer connector with the female end of the vehicle connector. Push firmly until the connection is secure.
- **Disconnecting:** Grasp both ends of the connector firmly and pull apart. Avoid pulling directly on the wires.
- **Functionality:** When connected, the vehicle's electrical system will power the trailer's lights (tail, brake, turn signals) and any auxiliary functions wired through the 6-way connection.

Maintenance

Regular maintenance helps ensure the longevity and reliability of your connector kit:

- **Inspection:** Periodically inspect the connectors and wiring for signs of wear, corrosion, or damage. Look for frayed wires, cracked insulation, or bent pins.
- **Cleaning:** Keep the connector pins clean and free of dirt, grease, and moisture. Use a non-corrosive electrical contact cleaner if necessary.
- **Lubrication:** Apply a small amount of dielectric grease to the connector pins to prevent corrosion and ensure a good electrical connection.
- **Storage:** When not in use, ensure the vehicle-side connector is protected from the elements. Many connectors come with a spring-loaded cover.

Troubleshooting

If you experience issues with your trailer's electrical functions, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
No trailer lights or intermittent connection	Corroded or dirty connector pins; Loose wiring connections; Blown fuse in vehicle or trailer.	Clean connector pins and apply dielectric grease; Check all wiring connections for tightness; Inspect and replace blown fuses in both vehicle and trailer fuse boxes.
Specific light function not working (e.g., no brake lights)	Incorrect wiring for that specific function; Damaged wire; Faulty bulb on trailer.	Verify wiring connections match the correct function; Inspect the specific wire for damage; Check and replace the trailer bulb.
Auxiliary power not working	Vehicle not providing auxiliary power; Incorrect wiring; Blown fuse.	Ensure vehicle is designed to provide auxiliary power through the connector; Check wiring for the auxiliary circuit; Inspect relevant fuses.

If problems persist after troubleshooting, it is advisable to consult a qualified automotive electrician.

Specifications

Model Number	74608
Brand	Reese Towpower
Connector Type	Quick Connect, 6-Way Round
Terminal Type	Screw Terminal
Wire Length	48 inches (approx.)
Color	Black
Item Weight	1.05 pounds
Product Dimensions	8.7 x 4.1 x 3 inches
UPC	016118000535

Warranty Information

Reese Towpower products are manufactured to high standards. For specific warranty details regarding your 74608 6-Way Round Terminal Connector Kit, please refer to the documentation included with your purchase or visit the official Reese Towpower website. Warranty coverage typically includes defects in materials and workmanship under normal use.

Customer Support

For technical assistance, replacement parts, or further inquiries regarding your Reese Towpower 74608 6-Way Round Terminal Connector Kit, please contact Reese Towpower customer support. Contact information can typically be found on the product packaging or their official website.
You may also find additional resources and FAQs on theReese Store on Amazon.
A user manual in PDF format is also available for download:Download User Manual (PDF)

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