Hopkins Towing Solutions 48505

Hopkins 48505 7 Pole RV Blade Trailer Connector User Manual

Model: 48505

Product Overview

The Hopkins 48505 7 Pole RV Blade Trailer Connector is designed to simplify and enhance your towing experience. This connector is typically used with large trailers, such as RVs and industrial trailers. It provides all the functions of a 6-pole connector with the added capability of a backup/reverse function. The design incorporates features for durability and ease of use, including an easy-pull grip and resistance to impact and corrosion.



Image: The Hopkins 48505 7 Pole RV Blade Trailer Connector, a black plastic connector with seven blade terminals and a central pin.

Setup and Installation

Proper installation of the 7-pole RV blade trailer connector is crucial for safe and reliable operation of your trailer's electrical system. This connector is designed for the trailer side.

Wiring Diagram

Refer to the diagram below for correct wire assignments. Ensure each wire is securely connected to its corresponding terminal within the connector. The connector features a rear grommet/strain relief for weatherproofing.



Image: A detailed wiring diagram for the 7-pole RV blade trailer connector, showing connections for Auxiliary Power, Taillights, Left Turn & Brake, Right Turn & Brake, Electric Brakes, Reverse Lights, and Ground.

- **Auxiliary Power:** Typically for battery charging or constant power.
- **Taillights:** For running lights.
- **Left Turn & Brake:** For left turn signal and brake light.
- **Right Turn & Brake:** For right turn signal and brake light.
- **Electric Brakes:** For trailer's electric braking system.
- **Reverse Lights:** For backup lights.
- **Ground:** Essential for all circuits to function correctly.

When connecting, ensure the wires are stripped to the appropriate length and inserted firmly into the terminals. Tighten the screws to secure the connections. Apply dielectric grease to the connections to prevent future corrosion.

Operating Instructions

Once installed, operating the Hopkins 48505 connector is straightforward:

1. **Connect to Vehicle:** Align the 7-pole blade connector on your trailer with the corresponding receptacle on your towing vehicle. Push firmly until it clicks into place, ensuring a secure connection.
2. **Verify Connection:** Before driving, test all trailer lights and functions (turn signals, brake lights, running lights, and reverse lights) to confirm proper electrical connection.
3. **Disconnect:** To disconnect, grasp the easy-pull grip design of the connector and pull it straight out from the vehicle's receptacle. Avoid pulling by the wires.

Maintenance

Regular maintenance helps prolong the life and ensure the reliability of your trailer connector:

- **Inspection:** Periodically inspect the connector for any signs of damage, such as cracks in the plastic housing, bent pins, or

corrosion on the terminals.

- **Cleaning:** Keep the connector clean and free of dirt, dust, and debris. Use a soft brush or cloth. For stubborn grime or corrosion, a specialized electrical contact cleaner can be used.
- **Lubrication:** Apply a thin layer of dielectric grease to the electrical contacts to protect against moisture and corrosion, especially in harsh weather conditions.
- **Storage:** When not in use, consider using a protective cap or storing the connector in a dry, clean environment to prevent exposure to elements.



Image: Features of the Hopkins 7-pole connector, emphasizing its impact resistance, corrosion resistance, and durable construction.

Troubleshooting

If you encounter issues with your Hopkins 48505 connector, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No lights or intermittent connection	Loose or corroded wiring connections; damaged pins; insufficient ground.	Check all wire connections for tightness and corrosion. Clean terminals and apply dielectric grease. Ensure the ground wire is securely connected to a clean, unpainted metal surface. Inspect pins for bends or damage.
Brake lights or turn signals not working	Incorrect wiring; blown fuse in vehicle or trailer; faulty bulb.	Verify wiring against the diagram. Check vehicle and trailer fuse boxes for blown fuses. Inspect and replace any faulty bulbs.
Connector difficult to plug in or remove	Debris in receptacle; bent pins; worn grip.	Clean out any debris from the vehicle's receptacle. Straighten any bent pins carefully. If the grip is worn, consider replacement for easier handling.

Specifications

Attribute	Detail
Brand	Hopkins Towing Solutions
Model Number	48505
Product Dimensions	6.88 x 2.88 x 1.75 inches
Item Weight	3.5 ounces
Core Material	Plastic
Vehicle Service Type	RV
UPC	079976485050
Manufacturer	Hopkins Towing Solution
Country of Origin	USA

Warranty and Support

For specific warranty information regarding your Hopkins 48505 7 Pole RV Blade Trailer Connector, please refer to the documentation included with your purchase or visit the official Hopkins Towing Solutions website. Warranty terms and conditions may vary.

If you require technical assistance or have questions not covered in this manual, please contact Hopkins Towing Solutions customer support directly. Contact information can typically be found on their official website or product packaging.

Note: Always ensure you are using genuine Hopkins replacement parts for optimal performance and safety.

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Question

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

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