

## CURT 56623

# CURT 56623 Replacement 7-Pin RV Blade Trailer Wiring Harness Plug

10-Foot Blunt-Cut Wires, Boxed

Brand: CURT

## PRODUCT OVERVIEW

The CURT 56623 Replacement 7-Pin RV Blade Trailer Wiring Harness Plug is designed to provide a reliable electrical connection between your vehicle and trailer. This 10-foot harness features blunt-cut, color-coded wires for easy splicing into your trailer's existing wiring system. It is engineered to supply power for essential trailer functions including tail lights, turn signals, electric trailer brakes, a 12-volt battery, reverse lights, and brake lights, along with a ground connection. Its robust construction ensures durability and consistent performance in various environmental conditions, making it ideal for RV travel trailers.



Image: The CURT 56623 7-Pin RV Blade Trailer Wiring Harness Plug, showing the coiled 10-foot cable with the 7-pin male connector on one end and the blunt-cut, color-coded wires on the other. The cable is heavy-duty and designed for durability.

## KEY FEATURES

- **Easy Grip:** Features two hooks on either side of the plug for improved grip during connection and disconnection.

- **Weather-Resistant:** Designed with concealed wire terminals to protect splice-in connection points from dirt, rain, corrosion, and other environmental threats.
- **Reliable Connection:** Ready to splice into existing trailer wiring, providing connections for taillights, brake lights, reverse lights, turn signals, trailer brakes, and auxiliary power.
- **Versatile Design:** Functions as a replacement 7-way RV blade harness, interchangeable with most 7-way RV connectors, commonly used on RV travel trailers.
- **Ready to Install:** Equipped with 10-foot blunt-cut, color-coded wires for straightforward installation and ample length.

## FEATURES & BENEFITS

10' cord length

Replaces the trailer-end plug of any 7-way harness

Color-coded wires for easier splicing



Wires protected by heavy-duty, weather-resistant cable

Interchangeable with other 7-way RV blade connectors



Image: A visual representation highlighting the key features of the CURT 7-pin trailer wiring harness. It shows the 10-foot cord length, the color-coded wires for easy splicing, the heavy-duty weather-resistant cable protecting the wires, and its interchangeability with other 7-way RV blade connectors.

## SETUP AND INSTALLATION

This 7-pin RV blade replacement harness is designed for splicing into your trailer's existing wiring. Professional installation is recommended if you are unfamiliar with trailer wiring systems.

[Wiring Diagram \(Standard RV Color Code\)](#)

The CURT 56623 harness uses the standard RV wiring color code. It is crucial to verify your trailer's existing wiring configuration before splicing, as some older or non-standard trailers may use different color assignments. Always test each wire's function before making permanent connections.

Wire Color	Function
White	Ground
Blue	Electric Brakes
Green	Tail/Running Lights
Brown	Right Turn/Brake
Red	Left Turn/Brake
Black	12V Hot Lead (Battery Charge)
Yellow	Reverse Lights/Auxiliary

Installation Steps:

- Safety First:** Disconnect the vehicle's battery and ensure no power is supplied to the trailer's wiring system before beginning work.
- Identify Wires:** Carefully identify the function of each wire on your existing trailer wiring harness. Use a multimeter or circuit tester to confirm.
- Cut and Strip:** Cut the old plug from your trailer harness. Strip approximately 1/2 inch of insulation from the end of each wire on both the new CURT harness and your trailer's existing wiring.
- Splice Connections:** Match the wires by function (refer to the wiring diagram above). Use appropriate splicing connectors (e.g., butt connectors, solder and heat shrink) to create secure, weather-tight connections. Ensure each connection is robust and insulated.
- Secure Wiring:** Route the new harness securely, ensuring it is protected from abrasion, heat, and moving parts. Use cable ties or clips as needed.
- Test Connections:** Reconnect the vehicle's battery. Connect the new CURT 7-pin plug to your vehicle's 7-way receptacle. Test all trailer lights (tail, brake, turn signals, reverse) and the electric brakes to ensure proper functionality.

# PLUG OUTPUT

## 7-Way RV Blade Trailer End

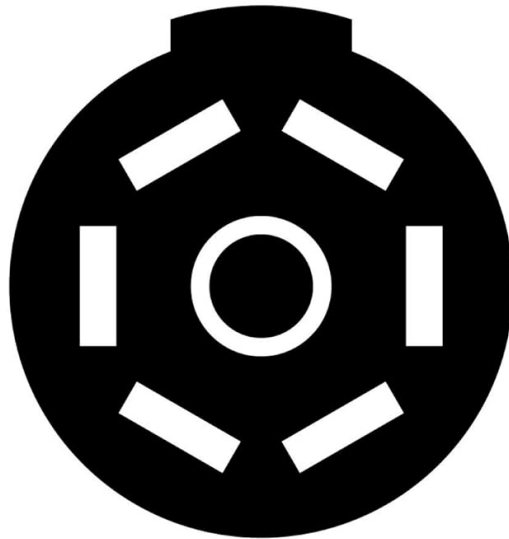


Image: A diagram illustrating the pin configuration of the 7-way RV Blade Trailer End plug, indicating the layout of the seven connection points.

## OPERATING INSTRUCTIONS

Once the CURT 7-pin RV blade trailer wiring harness is correctly installed and connected to your trailer's wiring system, operation is straightforward:

1. **Connect to Vehicle:** Align the 7-pin male plug of the CURT harness with the 7-way female receptacle on your towing vehicle. Push firmly until it clicks into place, ensuring a secure connection. The ergonomic design with grip hooks assists in this process.
2. **Verify Connection:** Before driving, perform a visual check to ensure the plug is fully seated and locked.
3. **Test Functions:** With the vehicle running and the trailer connected, test all lighting functions (tail lights, brake lights, left and right turn signals, reverse lights) and the electric brakes. Have a helper observe the trailer lights while you activate them from the vehicle.
4. **Disconnecting:** To disconnect, firmly grasp the plug by its ergonomic grip hooks and pull straight out from the vehicle's receptacle. Avoid pulling on the cable itself to prevent damage.

**Note:** Always ensure the harness is properly secured and not dragging on the ground or susceptible to

damage during towing.

## MAINTENANCE

Regular maintenance of your CURT 7-pin RV blade trailer wiring harness will ensure its longevity and reliable performance:

- **Inspect Regularly:** Before each tow, visually inspect the entire harness for any signs of wear, cuts, cracks, or fraying in the cable insulation. Check the plug for corrosion, bent pins, or debris.
- **Clean Connections:** Periodically clean the electrical contacts on both the harness plug and the vehicle's receptacle. Use a non-conductive electrical contact cleaner and a small brush if necessary.
- **Apply Dielectric Grease:** Apply a thin layer of dielectric grease to the electrical pins of the plug and inside the vehicle's receptacle. This helps prevent corrosion and ensures a good electrical connection.
- **Secure Storage:** When not in use, store the harness in a clean, dry place, away from direct sunlight and extreme temperatures. Coil the cable neatly to prevent kinks or damage.
- **Check Wiring:** Ensure all spliced connections remain secure and insulated. If any connections appear loose or exposed, re-splice and insulate them properly.

## TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No Trailer Lights/Functions	Loose or corroded connection at vehicle or trailer plug. Blown fuse in vehicle or trailer. Damaged wiring.	Ensure plug is fully seated. Clean and apply dielectric grease to contacts. Check vehicle and trailer fuse boxes. Inspect harness for damage and repair or replace as needed.
Intermittent Lights/Functions	Poor connection at plug or splices. Loose ground wire.	Verify secure plug connection. Check all spliced connections for tightness and proper insulation. Ensure ground wire (white) is securely attached to a clean, unpainted metal surface on the trailer frame.
Brake Lights Not Working	Faulty brake switch on vehicle. Incorrect wiring for brake signal.	Test vehicle's brake light circuit. Verify correct wiring for brake signal (red/brown wires) according to the diagram.
Electric Brakes Not Engaging	No power to brake controller. Faulty brake controller. Incorrect wiring for electric brakes.	Check power supply to brake controller. Consult brake controller manual. Verify blue wire connection for electric brakes.

If problems persist after troubleshooting, consult a qualified automotive or RV technician.

## SPECIFICATIONS

**Brand:** CURT

**Model:** 56623 (7-Way RV Blade)

**Connector Type:** 7-pin RV Blade Trailer Wiring Harness Plug

**Cable Type:** Auxiliary

**Wire Length:** 10 Feet

**Material:** Polyvinyl Chloride (PVC)

**Item Weight:** Approximately 2.9 Pounds

**Product Dimensions (L x W x H):** Approximately 9 x 9 x 5 inches (packaged)

**Wire Diameter:** 1 Millimeter (individual wires)

**UPC:** 612314566235

**Country of Origin:** China

## APPROXIMATE DIMENSIONS

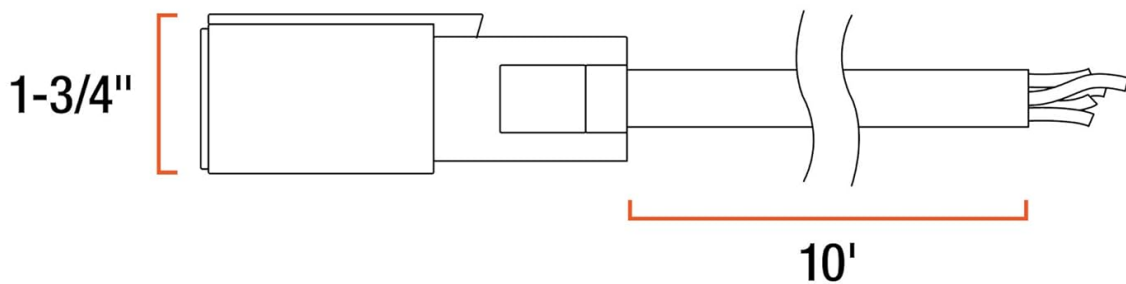


Image: A technical drawing indicating the approximate dimensions of the CURT 7-pin trailer wiring harness plug and the overall 10-foot cable length.

## WARRANTY AND SUPPORT

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For information regarding product warranty, returns, or technical support, please refer to the official CURT website or contact CURT customer service directly. Keep your purchase receipt as proof of purchase.

**Official CURT Website:** [www.curtmfg.com](http://www.curtmfg.com)

**Contact Information:** Refer to the website for the most current contact details, including phone numbers and email support.

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This manual is for informational purposes only. Always follow local and national regulations for trailer wiring and towing.