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› MAXXHAUL 50021 Trailer Hitch Cover with 12 LED Brake and Tail Light Functions User Manual

MAXXHAUL 50021

MAXXHAUL 50021 Trailer Hitch Cover with 12 LED Brake and Tail Light Functions User Manual

1. PRODUCT OVERVIEW

The MAXXHAUL 50021 Trailer Hitch Cover is designed to provide additional visibility and safety for your vehicle. It features 12 bright LEDs that function as both a brake light and a running/tail light when your hitch receiver is not in use. This unit is compatible with standard 2" x 2" hitch receivers.

Key Features:

- 12-volt hitch-mount brake light and running/tail light.
- Equipped with 12 bright LEDs for extended lifespan compared to traditional bulbs.
- Designed to fit standard 2" x 2" hitch receivers.
- Includes a 1/2" thick gasket for a secure fit.
- Comes with a 5/8" hitch pin for installation.
- Connecting wire is protected by an outside jacket with a 4-way flat pin connector.



Figure 1: Front view of the MAXXHAUL 50021 Trailer Hitch Cover, showing the red LED lens.

Hitch Mount Brake Light

The light itself has 12 bright LED's which lasts much longer than regular bulbs



Figure 2: Product dimensions, showing the unit is approximately 5.7 inches deep, 4.8 inches wide, and 4.2 inches high.

2. SETUP AND INSTALLATION

Follow these steps to properly install your MAXXHAUL 50021 Trailer Hitch Cover:

1. **Prepare the Hitch Receiver:** Ensure your vehicle's 2" x 2" hitch receiver is clean and free of debris.
2. **Insert the Hitch Cover:** Slide the MAXXHAUL 50021 Trailer Hitch Cover into the hitch receiver opening. The unit includes a 1/2" thick gasket to help provide a snug fit and reduce rattling.
3. **Secure with Hitch Pin:** Align the pinholes on the hitch cover with those on your hitch receiver. Insert the provided 5/8" hitch pin through the aligned holes and secure it with a clip (not included, typically part of the hitch pin assembly).
4. **Connect Wiring:** Locate your vehicle's 4-way flat pin trailer wiring connector. Plug the hitch cover's 4-way flat pin connector into your vehicle's matching connector. Ensure a secure connection. The wiring is protected by an outside jacket.
5. **Test Functionality:** With your vehicle's ignition on, test the running lights and brake lights to confirm proper

operation.

Note: This product may not work on some newer vehicles due to advanced electrical systems. Consult your vehicle's manual or a qualified technician if issues arise.



Figure 3: The hitch cover installed on a vehicle's 2-inch receiver, demonstrating its placement.

Trailer Tail Light Kit

Clear and highly visible providing added safety



Figure 4: A hand demonstrating the insertion of the hitch cover into a vehicle's receiver, highlighting the snug fit.

3. OPERATING INSTRUCTIONS

The MAXXHAUL 50021 Trailer Hitch Cover operates automatically once properly installed and connected to your vehicle's 4-way flat pin trailer wiring harness.

- **Running/Tail Light Function:** When your vehicle's headlights or running lights are activated, the 12 LEDs on the hitch cover will illuminate at a lower intensity, serving as an additional tail light.
- **Brake Light Function:** When the vehicle's brake pedal is pressed, the 12 LEDs on the hitch cover will illuminate at a higher intensity, functioning as an additional brake light.

This dual functionality enhances your vehicle's visibility to other drivers, especially when a trailer is not connected to the hitch receiver.



Figure 5: The 12 bright LEDs of the hitch cover fully illuminated, demonstrating the brake light function.



Figure 6: The hitch cover operating as a brake light on a vehicle at night, providing enhanced visibility.

4. MAINTENANCE

The MAXXHAUL 50021 Trailer Hitch Cover requires minimal maintenance:

- **Cleaning:** Periodically clean the lens with a soft, damp cloth to ensure maximum light output. Avoid abrasive cleaners that could scratch the plastic.
- **Wiring Inspection:** Regularly check the 4-way flat pin connector and wiring for any signs of damage, corrosion, or loose connections. Ensure the wiring is securely routed and not exposed to excessive rubbing or pinching.
- **Hitch Pin Security:** Verify that the hitch pin is always securely in place when the cover is installed to prevent accidental detachment.
- **Gasket Condition:** Inspect the rubber gasket for wear or damage. A damaged gasket may compromise the snug fit.

The LEDs are designed for long life and typically do not require replacement.

5. TROUBLESHOOTING

If you encounter issues with your MAXXHAUL 50021 Trailer Hitch Cover, refer to the following:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not illuminate.	Loose or corroded wiring connection. Vehicle's trailer wiring harness issue. Incompatible vehicle electrical system (especially newer models).	Check and secure the 4-way flat pin connector. Clean any corrosion. Test vehicle's trailer wiring with another known-good trailer light. Consult a vehicle technician if your vehicle is a newer model and the light does not function.
Light flashes incorrectly (e.g., with turn signal when braking).	Vehicle's electrical system configuration (common in some newer vehicles where brake and turn signals share a single wire).	This behavior may be inherent to some vehicle wiring systems. A wiring adapter (not included) may be required to separate brake and turn signals. Consult a qualified automotive electrician for diagnosis and potential modification.
Hitch cover feels loose in receiver.	Gasket is worn or missing. Incorrect hitch receiver size.	Inspect the 1/2" thick gasket. Replace if damaged. Ensure your vehicle has a standard 2" x 2" hitch receiver.

6. SPECIFICATIONS

Feature	Detail
Model Number	50021
Brand	MAXXHAUL
Light Type	12 LED Brake and Tail Light
Voltage	12V
Hitch Receiver Compatibility	Standard 2" x 2"
Connector Type	4-way flat pin
Material	Plastic
Product Dimensions (D x W x H)	5.7" x 4.8" x 4.2"
Item Weight	16 ounces

7. WARRANTY INFORMATION

The MAXXHAUL 50021 Trailer Hitch Cover comes with a manufacturer's warranty. Please refer to the following details:

- **Warranty Period:** 90 days from the date of purchase.
- **Coverage:** This warranty covers defects in materials and workmanship under normal use.
- **Exclusions:** The warranty does not cover damage resulting from misuse, abuse, accident, unauthorized modification, or improper installation.

For specific warranty claims or further details, please contact MAXXHAUL customer support.

8. SUPPORT

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact MAXXHAUL customer support through their official channels. Refer to the product packaging or the MAXXHAUL website for the most current contact information.

When contacting support, please have your product model number (50021) and proof of purchase available.

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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.

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