

Grote 54663

Grote 54663 Razor Back Mid-Position Flashing LED Marker Lights

USER MANUAL

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of the Grote 54663 Razor Back Mid-Position Flashing LED Marker Lights. Please read this manual thoroughly before attempting any installation or operation to ensure proper function and safety. Retain this manual for future reference.

2. Product Overview

The Grote 54663 Razor Back Mid-Position Flashing LED Marker Light is designed for heavy-duty vehicle applications, offering enhanced visibility and durability. It features an encapsulant potting for total circuit board protection, ensuring reliability in demanding environments. This light is easily visible from the vehicle cab during operation and is engineered to meet FMVSS 108 marker requirements while also providing a flashing mid-position function.



Image 2.1: Grote 54663 Razor Back Mid-Position Flashing LED Marker Light, Amber.

Key Features:

- Encapsulant potting for total circuit board protection.
- Designed to fit current mounting flanges and grommets.
- Meets all FMVSS 108 marker requirements.
- Flashes in concert with turn signal circuitry for mid-position flasher functionality.
- 50-state-legal flashing mid-position marker.
- LED bulb type for efficiency and longevity.
- Waterproof design.

Package Contents:

- 1 x Grote 54663 RazorBack Mid-Position Flashing LED Marker Light - Amber, Male Pin

3. Safety Information

Always observe basic safety precautions when installing or servicing electrical components. Failure to follow these instructions could result in injury or damage to the product or vehicle.

- **Disconnect Power:** Ensure the vehicle's power supply is disconnected before beginning installation to prevent electrical shock or short circuits.
- **Proper Tools:** Use appropriate tools for installation.
- **Wiring:** Ensure all wiring connections are secure and properly insulated to prevent corrosion and electrical issues.
- **Mounting:** Mount the light securely to prevent detachment during vehicle operation.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

4. Installation

The Grote 54663 LED Marker Light is designed for straightforward installation, fitting into existing mounting flanges and grommets. It utilizes a male pin connection for electrical integration.

Installation Steps:

1. **Prepare Vehicle:** Ensure the vehicle's electrical system is turned off and the battery is disconnected.
2. **Remove Old Light (if applicable):** Carefully remove any existing marker light from the mounting location.
3. **Inspect Mounting Area:** Clean the mounting area and ensure it is free from debris or corrosion. Verify that the existing mounting flange or grommet is compatible and in good condition.
4. **Connect Wiring:** Identify the appropriate wiring for the marker light and turn signal. Connect the male pin connector of the Grote 54663 light to the corresponding female receptacle in the vehicle's wiring harness. Ensure a secure and tight connection. Refer to your vehicle's wiring diagram if unsure.
5. **Mount Light:** Insert the Grote 54663 light into the mounting flange or grommet. Apply gentle, even pressure until the light is seated securely.
6. **Test Functionality:** Reconnect the vehicle battery. Turn on the vehicle's marker lights and turn signals to verify that the new LED marker light illuminates correctly and flashes in conjunction with the turn signals.
7. **Final Check:** Ensure the light is firmly in place and all connections are secure.

5. Operation

The Grote 54663 LED Marker Light operates as a standard marker light and also functions as a mid-position flasher. When the vehicle's marker lights are activated, the LED light will illuminate steadily. When the turn signal corresponding to the side of the installed light is activated, the marker light will flash in concert with the turn signal, providing enhanced visibility and signaling. This dual functionality is 50-state-legal.

6. Maintenance

The Grote 54663 LED Marker Light is designed for minimal maintenance due to its durable construction and encapsulant potting, which protects the internal circuitry. Its waterproof design further enhances longevity.

- **Regular Cleaning:** Periodically clean the lens with a soft cloth and mild soap and water to remove dirt and road grime that may obstruct light output. Avoid abrasive cleaners.
- **Inspect Connections:** Annually inspect the electrical connections for corrosion or looseness. Ensure the light remains securely mounted.
- **Damage Check:** If the light housing or lens becomes cracked or damaged, it should be replaced to maintain its waterproof integrity and light output.

7. Troubleshooting

If the Grote 54663 LED Marker Light is not functioning as expected, perform the following checks:

Problem	Possible Cause	Solution
Light does not illuminate	No power to the light; Loose or corroded electrical connection; Faulty light.	Check vehicle's fuse box; Inspect wiring connections for continuity and secure fit; Test light with a known good power source.

Problem	Possible Cause	Solution
Light flashes intermittently	Loose electrical connection; Intermittent power supply.	Secure all electrical connections; Check vehicle's wiring for damage or shorts.
Light does not flash with turn signal	Incorrect wiring to turn signal circuit; Faulty turn signal relay/flasher.	Verify wiring connections to the turn signal circuit; Consult a qualified technician to check the turn signal system.

8. Specifications

Attribute	Detail
Brand	Grote
Model Number	54663
Item Weight	7.5 ounces
Product Dimensions	4.16 x 4.16 x 4.16 inches
Position	Front
Bulb Type	LED
Special Features	Waterproof
Manufacturer Part Number	54663

9. Warranty and Support

For warranty information, please refer to the documentation provided with your purchase or contact Grote customer service directly. Warranty terms may vary based on region and retailer.

For additional support or inquiries, please visit the official Grote website or contact their customer service department.

Visit the [Grote Store on Amazon](#).

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Image F.1: Grote Company Logo.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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.

Submit question