

Grote 47122

Grote SuperNova 47122 LED Clearance Marker Light User Manual

Model: 47122 | Brand: Grote

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Grote SuperNova 47122 Red LED Clearance Marker Light. This product is designed for use as a clearance and marker light on various vehicles, offering enhanced durability and reliability through its advanced construction.

2. SAFETY INFORMATION

Always observe the following safety precautions during installation and operation:

- Disconnect vehicle battery power before performing any electrical work to prevent electrical shock or short circuits.
- Ensure proper wiring connections to avoid damage to the light or vehicle electrical system.
- Mount the light securely to prevent detachment during vehicle operation.
- Do not modify the product. Unauthorized modifications may compromise safety and void the warranty.
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves during installation.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Grote 47122 SuperNova LED Clearance Marker Light - 2.5", Red

Note: Mounting hardware and wiring pigtails may be sold separately or integrated depending on the specific product variant.

4. SETUP AND INSTALLATION

The Grote SuperNova 47122 LED Clearance Marker Light is designed for a "Plug-and-Go Retrofit" installation, utilizing UBS double-seal pigtails (if applicable) for quick connection. Follow these steps for proper installation:

- 1. Prepare the Mounting Location:** Select a flat, secure surface on the vehicle for mounting. Ensure sufficient space for the light and its wiring.

2. Wiring Connection:

- Identify the positive (+) and negative (-) wires from the vehicle's electrical system.
- Connect the light's positive wire to the vehicle's positive power source (typically a switched 12V DC line for marker lights).
- Connect the light's negative wire to a suitable vehicle ground point.
- Ensure all connections are secure and insulated to prevent short circuits and corrosion. The light features tin-plated, solid-brass terminals sealed to the housing for enhanced resistance to corrosion.

3. Mounting the Light:

- Insert the light into the appropriate mounting grommet or housing (if not integrated).
- Ensure the light is firmly seated and oriented correctly.

4. Test Functionality: Reconnect the vehicle battery and test the light to ensure it illuminates correctly.



Image 1: Front view of the Grote SuperNova 47122 Red LED Clearance Marker Light. This image shows the red lens and the internal LED array, indicating its function as a clearance or marker light.



Image 2: Rear view of the Grote SuperNova 47122 Red LED Clearance Marker Light. This view displays the two electrical terminals for power and ground connections, designed for use with UBS double-seal pigtails.

5. OPERATING INSTRUCTIONS

Once properly installed and wired, the Grote SuperNova 47122 LED Clearance Marker Light will operate automatically with the vehicle's lighting system. When the vehicle's marker or clearance lights are activated, the LED light will illuminate, providing the necessary visibility as per regulations.

- Ensure the vehicle's lighting system is functioning correctly.
- The light is designed for continuous operation when activated.

6. MAINTENANCE

The Grote SuperNova 47122 LED Clearance Marker Light is designed for minimal maintenance due to its durable construction, including encapsulant potting for circuit board protection and a hermetic lens-to-housing seal. However, periodic inspection and cleaning are recommended:

- **Cleaning:** Clean the lens periodically with a soft cloth and mild soap and water to remove dirt and debris that may obstruct light output. Avoid abrasive cleaners.
- **Inspection:** Regularly inspect the light for any physical damage, cracks in the lens, or loose mounting. Check wiring connections for corrosion or wear.
- **Seal Integrity:** The hermetic lens-to-housing seal helps prevent moisture ingress. If any signs of moisture inside the lens are observed, inspect for damage to the seal.

7. TROUBLESHOOTING

If the Grote SuperNova 47122 LED Clearance Marker Light is not functioning as expected, consider the following troubleshooting steps:

- **Light Does Not Illuminate:**
 - Check the vehicle's fuse for the lighting circuit. Replace if blown.
 - Verify that the vehicle's marker/clearance lights are switched on.
 - Inspect all wiring connections for looseness, corrosion, or damage. Ensure proper polarity (+ to + and - to -).
 - Confirm that there is power reaching the light's positive terminal and a good ground connection.
- **Light is Dim or Flickering:**
 - Check for poor electrical connections or corrosion at the terminals.
 - Ensure the vehicle's electrical system is providing stable voltage.
 - Clean the lens if it is dirty.
- If issues persist after troubleshooting, contact Grote customer support or a qualified automotive electrician.

8. SPECIFICATIONS

Feature	Detail
Brand	Grote
Model Number	47122
Color	Red
Vehicle Service Type	Car (Vehicle Specific Fit)
Special Feature	Waterproof
Auto Part Position	Front
Lens Color	Red
Lens Material	Polycarbonate
Item Dimensions (L x W x H)	2.3 x 2.3 x 2.3 inches

Feature	Detail
Item Weight	1.23 ounces
UPC	089373451534
Assembly Required	No
Country of Origin	CHINA

9. WARRANTY INFORMATION

For detailed warranty information regarding the Grote SuperNova 47122 LED Clearance Marker Light, please refer to the official Grote website or contact Grote customer service directly. Warranty terms and conditions may vary.

10. SUPPORT

If you require further assistance, technical support, or have questions not covered in this manual, please contact Grote customer support. You can find contact information and additional resources on the official Grote website:

Official Grote Website: [Grote Industries Store](#)

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.

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Anonymous

Email

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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.

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