

Grote 47502

Grote 47502 Red LED Clearance/Marker Lamp User Manual

Model: 47502 | Brand: Grote

1. INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of your Grote 47502 Clearance/Marker Lamp. This product is designed for use as a clearance or marker light on various vehicles, ensuring compliance with safety regulations and enhancing visibility. Please read this manual thoroughly before installation and retain it for future reference.

2. SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical work to prevent electrical shock or damage.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Verify that the lamp's voltage rating (12 Volts) matches your vehicle's electrical system.
- Mount the lamp in a location that does not obstruct other vehicle lighting or safety features.
- Consult local and national regulations regarding vehicle lighting requirements for proper placement and usage.

3. PACKAGE CONTENTS

The Grote 47502 Clearance/Marker Lamp package typically includes:

- One (1) Grote 47502 Clearance/Marker Lamp (Red)

Note: Mounting hardware, grommets, and pigtail connectors are typically sold separately and are not included with the lamp.

4. SETUP AND INSTALLATION

The Grote 47502 lamp features a universal fit design for various applications. Follow these steps for proper installation:

1. **Prepare Mounting Location:** Select a flat, clean surface on your vehicle or trailer for mounting. Ensure the location provides adequate space and meets all regulatory requirements for clearance/marker lights.
2. **Drill Mounting Holes:** If not already present, drill appropriate holes for mounting screws and wiring access. Refer to the lamp's dimensions for precise hole placement.
3. **Install Grommet (if applicable):** If using a grommet for wiring, insert it into the wiring access hole to protect the wires from abrasion.
4. **Wire Connection:**
 - Connect the lamp's positive wire to the vehicle's 12-volt power source for the marker lights.
 - Connect the lamp's negative (ground) wire to a suitable chassis ground point. This lamp features a non-polarized connection, meaning it will function regardless of wire orientation, simplifying installation.
 - Ensure all connections are crimped or soldered securely and protected with heat shrink tubing or electrical tape.
5. **Mount the Lamp:** Secure the lamp to the prepared surface using appropriate screws or fasteners. Ensure it is firmly attached and does not vibrate loose during vehicle operation.
6. **Test Functionality:** Reconnect the vehicle's battery and activate the marker lights to confirm the Grote 47502 lamp illuminates correctly.



Figure 1: The Grote 47502 Red Clearance/Marker Lamp. This image shows the rectangular red lamp with a textured, reflective lens. The Grote logo and model number 47502 are visible on the internal circuit board through the translucent red housing.

5. OPERATING INSTRUCTIONS

Once properly installed and wired, the Grote 47502 Clearance/Marker Lamp operates automatically with your vehicle's lighting system.

- Turn on your vehicle's headlights or parking lights. The Grote 47502 lamp will illuminate simultaneously, providing the required clearance or marker indication.
- Ensure the lamp is always clean and free from dirt or debris to maintain maximum visibility.

6. MAINTENANCE

The Grote 47502 LED lamp is designed for long-lasting performance with minimal maintenance.

- **Cleaning:** Periodically clean the lamp lens with a soft cloth and mild soap and water. Avoid abrasive cleaners that could scratch the lens.
- **Inspection:** Regularly inspect the lamp for any physical damage, loose connections, or signs of wear. Ensure the mounting remains secure.
- **LED Longevity:** LED lights have a significantly longer lifespan than traditional incandescent bulbs and typically do not require replacement.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lamp does not illuminate.	<ul style="list-style-type: none"> • No power supply. • Loose or corroded wiring connection. • Faulty ground connection. • Damaged lamp. 	<ul style="list-style-type: none"> • Check vehicle's fuse box and power source. • Inspect all wiring for secure connections and corrosion. Clean or re-connect as necessary. • Ensure the ground wire is securely attached to a clean, unpainted metal surface. • If all connections are good, the lamp may be faulty and require replacement.
Lamp flickers or is dim.	<ul style="list-style-type: none"> • Insufficient power. • Poor connection. 	<ul style="list-style-type: none"> • Verify the vehicle's electrical system is providing stable 12V power. • Check all wiring connections for looseness or corrosion.

8. SPECIFICATIONS

Brand	Grote
Model Number	47502
Color	Red
Light Type	LED Clearance/Marker Lamp
Voltage	12 Volts
Fit Type	Universal Fit
Special Features	Built-in Reflector
Item Weight	1.44 ounces

Country of Origin	China
UPC	089373109817

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your Grote 47502 Clearance/Marker Lamp, please refer to the official Grote website or contact Grote customer service directly.

Grote Official Website: www.grote.com

Please have your product model number (47502) and purchase information available when contacting support.