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Grote 46813

Grote 46813 Auto Part Instruction Manual

Model: 46813

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1. PRODUCT OVERVIEW

The Grote 46813 Auto Part is a heavy-duty marker and clearance light designed for automotive applications. This manual provides essential information for the safe and effective installation, operation, and maintenance of your Grote 46813 light.



This image displays the Grote 46813 Auto Part, an amber-colored marker and clearance light designed for heavy-duty vehicle applications.

2. KEY FEATURES

- Designed for heavy-duty vehicle applications.
- Amber color for marker and clearance functions.
- Durable construction for reliable performance.
- Manufactured by Grote, a recognized brand in automotive lighting.

3. INSTALLATION INSTRUCTIONS

Safety First: Before beginning installation, ensure the vehicle's power system is completely disconnected to prevent electrical shock or damage. Wear appropriate safety gear, including eye protection.

1. **Select Mounting Location:** Choose a flat, stable surface on the vehicle that complies with all local and federal regulations for marker and clearance light placement. Ensure the location allows for proper visibility and wiring access.
2. **Prepare Mounting Surface:** Clean the mounting area thoroughly to remove dirt, grease, or debris. If drilling is required, mark the drill points accurately.
3. **Mount the Light:** Secure the Grote 46813 light using appropriate fasteners (not included) through the designated mounting holes. Ensure the light is firmly attached and does not vibrate loose during vehicle operation.
4. **Wire the Light:**
 - Identify the power and ground wires from the vehicle's electrical system. Consult your vehicle's wiring diagram if unsure.
 - Connect the light's power wire to the vehicle's appropriate power source (e.g., marker light circuit).
 - Connect the light's ground wire to a suitable chassis ground point on the vehicle.
 - Use insulated connectors and ensure all connections are secure and protected from moisture and abrasion.
5. **Test Functionality:** Reconnect the vehicle's power system. Activate the vehicle's lighting system to verify that the Grote 46813 light illuminates correctly.

If you are unsure about any step of the installation process, it is recommended to consult a qualified automotive technician.

4. OPERATING INSTRUCTIONS

The Grote 46813 Auto Part operates as a passive marker and clearance light. Once properly installed and wired, it will illuminate automatically when the vehicle's corresponding lighting circuit is activated (e.g., when headlights or parking lights are turned on).

- Ensure the vehicle's electrical system is functioning correctly.
- Regularly check the light for proper illumination before operating the vehicle, especially at night or in low visibility conditions.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Grote 46813 Auto Part, follow these simple maintenance guidelines:

- **Regular Cleaning:** Clean the lens periodically with a soft cloth and mild soap and water. Avoid

abrasive cleaners or solvents that could damage the lens material.

- **Inspect Wiring:** Periodically check the wiring connections for corrosion, fraying, or loose terminals. Repair or replace any damaged wiring immediately.
- **Check Mounting:** Ensure the light remains securely mounted to the vehicle. Tighten any loose fasteners as needed.
- **Functionality Check:** Routinely verify that the light illuminates brightly and consistently.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not illuminate.	No power to the light. Poor ground connection. Damaged wiring. Internal light failure.	Check vehicle's fuse box for blown fuses related to lighting circuit. Verify power supply to the light using a multimeter. Inspect ground connection for corrosion or looseness. Examine all wiring for cuts, pinches, or corrosion. Repair or replace as necessary. If all connections are good, the light itself may be faulty and require replacement.
Light flickers or is dim.	Loose or corroded connections. Insufficient voltage.	Check all electrical connections for tightness and cleanliness. Verify vehicle's battery and charging system are operating correctly.

For issues not covered here, or if troubleshooting steps do not resolve the problem, contact a qualified automotive electrician or Grote customer support.

7. TECHNICAL SPECIFICATIONS

- **Model Number:** 46813
- **Brand:** Grote
- **Manufacturer:** Grote/Save-T
- **Color:** Amber
- **Item Weight:** 6.4 ounces
- **Number of Items:** 1
- **ASIN:** B0049MVRW0
- **First Available:** October 28, 2010
- **Intended Use:** Vehicle (Marker & Clearance Light)

8. WARRANTY AND SUPPORT

For specific warranty information regarding the Grote 46813 Auto Part, please refer to the documentation provided at the time of purchase or contact Grote customer service directly. Warranty terms and conditions may vary.

For technical support or further assistance, please visit the official Grote website or contact their customer support department.

