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Grote 43850

Grote 43850 Low Profile Mounting Bracket Instruction Manual

Model: 43850

1. Introduction

This manual provides detailed instructions for the Grote 43850 Low Profile Mounting Bracket. This product is designed to securely mount clearance and marker lamps, ensuring proper positioning and functionality. Please read these instructions carefully before installation and use.



Image 1.1: The Grote 43850 Low Profile Mounting Bracket. This image displays the gray polycarbonate bracket with its integrated electrical contacts and wire lead.

2. Product Features

The Grote 43850 Low Profile Mounting Bracket offers several key features:

- **Bracket-Contained Plug:** Features an integrated plug for direct lamp connection, simplifying wiring.
- **PC Compliance:** Enables legal mounting for combination clearance/marker lamps when installed at a 45-degree angle.
- **Retrofit Capability:** Designed to retrofit with various competitive lamps, offering versatility.

- **Durable Construction:** Made from robust polycarbonate material with a gray finish.

3. Installation Instructions

This mounting bracket is designed for wall mount applications. Follow these steps for proper installation:

1. **Select Mounting Location:** Choose a flat, stable surface suitable for wall mounting. Ensure the location complies with all applicable vehicle lighting regulations.
2. **Secure the Bracket:** Position the bracket and mark the mounting points. Use appropriate fasteners (not included) to securely attach the bracket to the chosen surface. Ensure the bracket is firmly fixed to prevent movement.
3. **Connect the Lamp:** Insert the clearance/marker lamp into the bracket. The bracket's integrated plug will connect with the lamp's terminals. Ensure a secure electrical connection.
4. **Verify Orientation (if applicable):** If mounting a combination clearance/marker lamp requiring PC compliance, ensure the bracket and lamp are oriented to achieve a 45-degree angle.
5. **Test Functionality:** After installation, test the lamp to ensure it functions correctly.

4. Operation

The Grote 43850 is a passive mounting bracket and does not have operational controls. Its primary function is to provide a stable and compliant platform for a clearance or marker lamp. Once the lamp is correctly installed into the bracket and wired to the vehicle's electrical system, the operation of the lamp will be governed by the vehicle's controls and the lamp's own specifications.

5. Maintenance

To ensure the longevity and continued performance of your Grote 43850 mounting bracket:

- **Regular Inspection:** Periodically inspect the bracket for any signs of physical damage, cracks, or loose mounting.
- **Cleaning:** Clean the bracket with a mild soap and water solution as needed. Avoid using harsh chemicals or abrasive cleaners, which can damage the polycarbonate material or finish.
- **Connection Check:** Ensure the electrical connections between the bracket and the lamp remain secure and free from corrosion.

6. Troubleshooting

As a non-electrical, passive mounting component, the bracket itself rarely requires troubleshooting. Most issues will relate to the lamp or its electrical connection.

- **Lamp Not Functioning:** If the lamp mounted to the bracket is not working, first check the lamp's own instruction manual for troubleshooting steps. Verify the lamp is correctly seated in the bracket and that all vehicle wiring connections are secure and receiving power.
- **Loose Bracket:** If the bracket becomes loose, re-tighten the mounting fasteners. If the mounting surface is damaged, repair it before re-securing the bracket.
- **Corrosion:** If corrosion is observed on the electrical contacts, carefully clean them using a suitable electrical contact cleaner.

7. Technical Specifications

Model Number	43850
Material	Polycarbonate
Finish	Gray
Mounting Type	Wall Mount
Product Dimensions (L x W x H)	1 x 1 x 1 inches
Item Weight	0.96 ounces (approx. 0.06 lbs)
Special Features	Waterproof (material properties)

8. Warranty and Support

For specific warranty information, technical assistance, or to inquire about replacement parts for your Grote 43850 Low Profile Mounting Bracket, please contact Grote Industries directly. You can find their official contact details and support resources on the Grote Industries website (www.grote.com).

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