

Grote 61051

Grote 61051 Torsion Mount II 4" Round Dome Light User Manual

Model: 61051 | Brand: Grote

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Grote 61051 Torsion Mount II 4-inch Round Dome Light. Please read this manual thoroughly before installation and use to ensure proper function and safety. This product is designed for interior lighting applications in vehicles, operating on a 12-volt electrical system.

2. SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical work to prevent electrical shock or damage to the vehicle's electrical system.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Verify the power source is 12-volt DC. Connecting to an incorrect voltage may damage the light.
- Do not modify the product. Unauthorized modifications may compromise safety and void the warranty.
- Keep the light away from flammable materials during operation.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Grote 61051 Dome Light Unit (1)
- Instruction Guide (1)

4. SETUP AND INSTALLATION

The Grote 61051 Dome Light features a torsion mount design for secure installation. Follow these steps for proper setup:

1. **Prepare the Mounting Location:** Select a suitable interior location for the dome light. Ensure there is sufficient space behind the mounting surface for the light's depth (approximately 2 inches) and for wiring access. The light

requires a round opening for installation.

2. **Wiring:** The light comes with pigtail termination. Connect the positive wire (typically red) to your vehicle's 12-volt positive power source and the negative wire (typically black or white) to a suitable ground point. Ensure connections are secure and insulated with electrical tape or heat shrink tubing.
3. **Insert the Light:** Gently compress the torsion springs on the sides of the light fixture. Insert the light into the prepared round opening. Once inserted, the torsion springs will expand, holding the light securely in place against the mounting surface.
4. **Test Functionality:** Reconnect the vehicle's battery. Activate the switch connected to the dome light to ensure it illuminates correctly.



Figure 4.1: Front view of the Grote 61051 Dome Light, showing the clear lens and incandescent bulb.



Figure 4.2: Rear view of the Grote 61051 Dome Light, illustrating the torsion mount mechanism and pigtail wiring connections.

5. OPERATING INSTRUCTIONS

The Grote 61051 Dome Light is designed to provide interior illumination. Once properly installed and wired into your vehicle's 12-volt electrical system, the light is typically operated via an existing interior light switch within the vehicle. Refer to your vehicle's owner's manual for the specific location and operation of your interior lighting controls.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your dome light.

- **Cleaning:** Clean the lens and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents, as these can damage the polycarbonate material.
- **Bulb Replacement:** This unit uses an incandescent bulb. If the light fails to illuminate, the bulb may need

replacement. Carefully remove the lens to access the bulb. Replace with a compatible 12-volt incandescent bulb. Ensure the replacement bulb has the correct base type and wattage to prevent damage.

- **Wiring Inspection:** Periodically check wiring connections for any signs of corrosion, fraying, or loose connections. Address any issues promptly to maintain electrical integrity.

7. TROUBLESHOOTING

If your Grote 61051 Dome Light is not functioning as expected, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Light does not illuminate.	No power to the light.	Check vehicle's fuse box for a blown fuse related to interior lighting. Verify wiring connections are secure and receiving 12V power.
	Faulty bulb.	Replace the incandescent bulb with a new, compatible 12-volt bulb.
	Poor ground connection.	Ensure the ground wire is securely connected to a clean, unpainted metal surface on the vehicle chassis.
Light flickers or is dim.	Loose wiring connection.	Inspect all wiring connections for tightness and corrosion. Secure any loose connections.
	Low voltage.	Check vehicle's battery voltage. Ensure the light is receiving a stable 12V supply.

8. SPECIFICATIONS

Feature	Specification
Model Number	61051
Lamp Type	Incandescent
Voltage	12 Volts
Current Rating	1.04A
Diameter	4-5/16 inches (approx. 10.95 cm)
Depth	2 inches (approx. 5.08 cm)
Shape	Round
Material	Polycarbonate
Termination Type	Pigtail
Mounting Type	Torsion
Color	White/Clear
Special Features	Waterproof
Item Weight	2.4 ounces (approx. 68 grams)

9. WARRANTY AND SUPPORT

Grote products are manufactured to high-quality standards. For specific warranty information regarding your Grote 61051 Dome Light, please refer to the warranty documentation included with your purchase or visit the official Grote website. For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please contact Grote customer service directly.

Grote Industries Contact Information:

Please visit www.grote.com for contact details and further product information.

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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

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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.

Submit question