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> Grote 44860 3 Pin Flasher (Pilot) 24V Instruction Manual

Grote 44860

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Model: 44860 | Brand: Grote

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Grote 44860 3 Pin Flasher. Please read these instructions carefully before use to ensure safe and correct functionality.

Package Contents

- Grote 44860 3 Pin Flasher (1 unit)

IMPORTANT SAFETY INFORMATION

WARNING: Electrical components can cause injury or damage if not handled correctly. Always disconnect power from the vehicle's electrical system before attempting installation or maintenance.

- Ensure the vehicle's electrical system is compatible with 24V components. Using an incorrect voltage can damage the flasher and other vehicle electronics.
- Do not attempt to modify the flasher unit. Any alterations may compromise its safety and performance.
- Consult a qualified automotive technician if you are unsure about any installation steps or electrical connections.
- Keep the flasher unit away from excessive heat, open flames, or corrosive substances.

SETUP AND INSTALLATION

The Grote 44860 is a 3-pin flasher specifically designed for 24V electrical systems. It is commonly used in heavy-duty vehicles for turn signal and hazard light applications.



Image 1: Grote 44860 3 Pin Flasher, illustrating the three terminal pins for electrical connection.

Wiring Connections:

Identify the corresponding terminals in your vehicle's wiring harness. Standard flasher terminals are typically labeled as follows:

- **B (Battery):** Connects to the constant 24V power supply from the vehicle's electrical system.
- **L (Load):** Connects to the turn signal switch or hazard light circuit, which then connects to the indicator bulbs.
- **P (Pilot/Indicator):** Connects to the dashboard indicator light. This flasher is a "Pilot" type, meaning it has this dedicated terminal for the dashboard indicator.

Ensure all electrical connections are secure, clean, and free from corrosion. Incorrect wiring can lead to malfunction, damage to the flasher, or other vehicle components.



Image 2: Close-up view of the Grote 44860 flasher, showing internal circuitry and the "24 VOLT" marking, confirming its voltage rating.

OPERATING INSTRUCTIONS

Once correctly installed, the Grote 44860 flasher unit operates automatically when the turn signal lever is activated or the hazard warning switch is engaged.

- **Turn Signals:** When the turn signal lever is moved to the left or right, the flasher unit will cycle power to the corresponding turn signal lamps, causing them to flash at a regular interval. The pilot terminal will simultaneously illuminate the dashboard indicator.
- **Hazard Lights:** When the hazard warning switch is activated, the flasher unit will cycle power to all turn signal lamps simultaneously, causing them to flash. The pilot terminal will also illuminate the dashboard indicator.

The flasher is designed to maintain a consistent flash rate under normal operating conditions, provided the correct bulb wattage and voltage are present in the circuit.

MAINTENANCE AND CARE

The Grote 44860 flasher is designed for durability and requires minimal maintenance. However, periodic inspection can help ensure optimal performance and longevity.

- **Visual Inspection:** Periodically check the flasher unit and its electrical connections for any signs of physical damage, corrosion, or loose wiring.
- **Cleanliness:** Keep the area around the flasher unit clean and free from excessive dirt, dust, and debris.
- **Waterproof Feature:** This unit is designed to be waterproof, offering protection against moisture ingress. However, avoid submerging the unit or exposing it to high-pressure water jets, which could potentially compromise its seal over time.

TROUBLESHOOTING

If your turn signals or hazard lights are not functioning correctly, consider the following troubleshooting steps:

No Flashing or Constant On:

- **Check Bulbs:** A burnt-out bulb in the circuit can prevent the flasher from operating correctly or cause it to stay constantly on. Inspect and replace any faulty bulbs.
- **Power Supply:** Verify that the flasher is receiving a constant 24V power supply at the 'B' terminal using a multimeter.
- **Ground Connection:** Ensure a good, clean ground connection for both the flasher and the entire lighting circuit.
- **Flasher Unit:** If bulbs and wiring are confirmed to be in good condition, the flasher unit itself may be faulty and require replacement.

Incorrect Flash Rate (Too Fast or Too Slow):

- **Bulb Wattage:** Ensure all bulbs in the circuit have the correct wattage specified for your vehicle. Using bulbs with significantly different wattage than intended can affect the flash rate.
- **Voltage Fluctuation:** Check for stable 24V system voltage. Significant voltage drops can impact flasher performance.

If issues persist after performing these troubleshooting steps, it is recommended to consult a professional automotive electrician.

PRODUCT SPECIFICATIONS

Feature	Detail
Brand	Grote
Model Number	44860
Type	3 Pin Flasher (Pilot)
Voltage	24 Volts
Special Features	Waterproof
Item Weight	0.32 ounces (approx. 9 grams)
Product Dimensions	1.9 x 1.9 x 1.9 inches (approx. 4.8 x 4.8 x 4.8 cm)
Manufacturer Part Number	44860

WARRANTY INFORMATION

Specific warranty details for the Grote 44860 flasher are typically provided by the manufacturer or the point of purchase. Please retain your proof of purchase for any warranty claims.

For detailed warranty information, including terms, conditions, and duration, please refer to the official Grote website or contact their customer service directly.

CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding the Grote 44860 flasher, please utilize the following resources:

- **Grote Official Website:** For product information, FAQs, and contact details, visitwww.grote.com.
- **Seller Support:** For immediate assistance with your purchase, contact the seller from whom you acquired the product.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

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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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