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> Grote 67000 Stop Tail Turn Three-Wire Plug-In Pigtails User Manual

Grote 67000

Grote 67000 Stop Tail Turn Three-Wire Plug-In Pigtails

Model: 67000 | Brand: Grote

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Grote 67000 Stop Tail Turn Three-Wire Plug-In Pigtail. Designed for female pin lights, this pigtail facilitates the connection for stop, tail, and turn lamp functions in automotive and commercial vehicle applications. Please read this manual thoroughly before installation to ensure safe and correct usage.

PRODUCT DESCRIPTION

The Grote 67000 is a high-quality female pin pigtail designed for robust electrical connections in vehicle lighting systems. It features a slim-line .180 male connector and three blunt-cut wires, enabling dual functionality for Stop, Tail, and Turn (S/T/T) lamps. With a length of 11 1/2 inches, it provides sufficient reach for various wiring configurations.

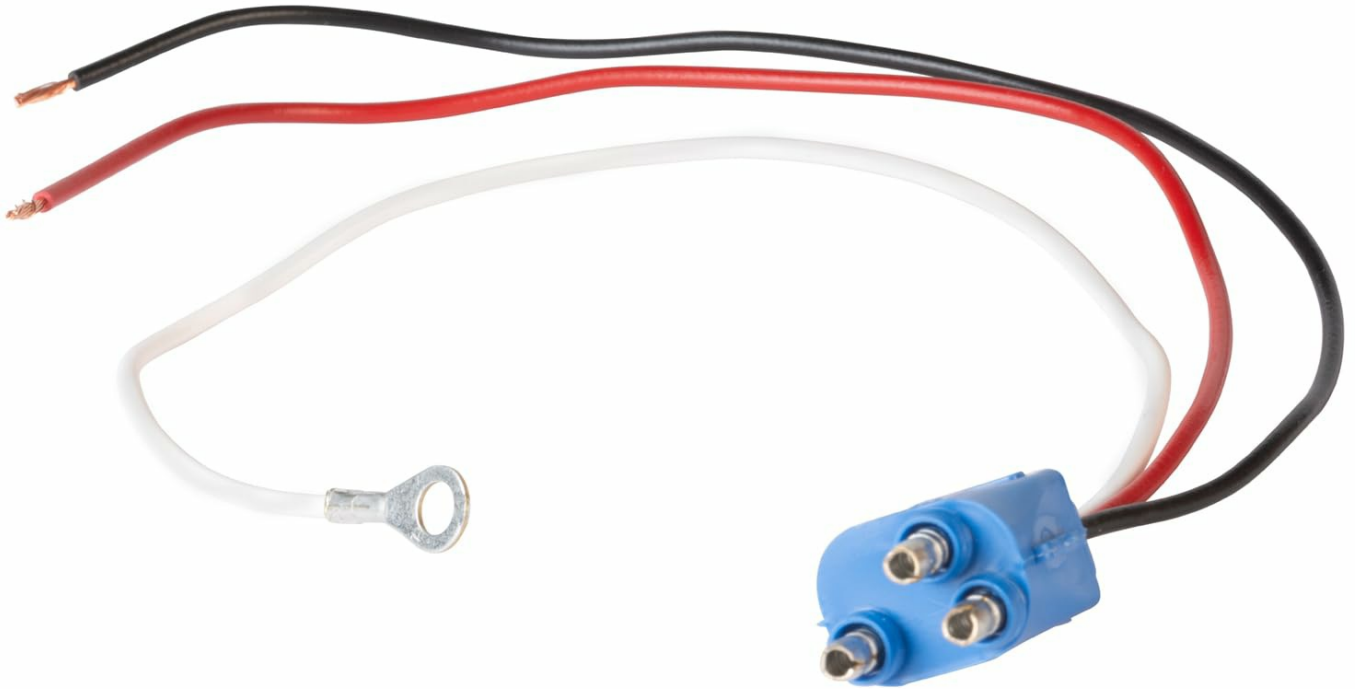
PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and undamaged:

- One (1) Grote 67000 Stop Tail Turn Three-Wire Plug-In Pigtail Unit
- Instruction Guide (this document)

SETUP AND INSTALLATION

The Grote 67000 pigtail is designed for straightforward installation with compatible female pin lights. Proper wiring is crucial for correct lamp function.



An image showing the Grote 67000 three-wire plug-in pigtail. It features a blue connector with three male pins, and three blunt-cut wires (black, red, white) extending from it. The white wire has a ring terminal attached.

Wiring Instructions:

1. **Identify Wires:** The pigtail comes with three blunt-cut wires. Typically, these correspond to:

- **Black Wire:** Ground
- **Red Wire:** Stop/Turn Signal
- **White Wire:** Tail Light

Note: Wire color coding may vary slightly by application or vehicle manufacturer. Always consult your vehicle's wiring diagram for precise connections.

2. **Prepare Connections:** Ensure the vehicle's power is disconnected before beginning. Strip a small amount of insulation from the blunt-cut ends of the pigtail wires and the corresponding vehicle wires.

3. **Connect Wires:** Securely connect the pigtail wires to the vehicle's wiring using appropriate electrical connectors (e.g., crimp connectors, solder and heat shrink). Ensure all connections are tight and insulated to prevent shorts and corrosion.

4. **Plug into Light:** Insert the blue slim-line .180 male connector of the pigtail into the female pin receptacle of your compatible Stop/Tail/Turn lamp. Ensure it clicks securely into place.
5. **Test Functionality:** Reconnect vehicle power and test all lamp functions (tail lights, brake lights, turn signals) to confirm correct operation.

OPERATION

Once properly installed, the Grote 67000 pigtail acts as the electrical interface between your vehicle's wiring harness and the Stop/Tail/Turn lamp. It enables the lamp to receive the necessary electrical signals for its dual functions:

- **Tail Light Function:** Provides continuous illumination when the vehicle's headlights or parking lights are on.
- **Stop/Turn Signal Function:** Activates the brighter illumination for braking or flashes for turn indications.

The pigtail itself does not require any user interaction after installation; its operation is passive, facilitating the electrical flow to the lamp.

MAINTENANCE

The Grote 67000 pigtail is designed for durability and requires minimal maintenance. However, periodic inspection can help ensure long-term reliability:

- **Visual Inspection:** Periodically check the pigtail and its connections for signs of wear, corrosion, or damage, especially in harsh environments.
- **Connection Integrity:** Ensure the plug-in connection to the lamp remains secure and free of debris.
- **Wire Condition:** Inspect the blunt-cut wire connections for any fraying or exposed conductors. Re-insulate or repair as necessary.

Clean the connector and wires with a dry cloth if dirt or dust accumulates. Avoid using harsh chemicals that could damage the insulation.

TROUBLESHOOTING

If your Stop/Tail/Turn lamp is not functioning correctly, consider the following troubleshooting steps related to the pigtail connection:

Problem	Possible Cause	Solution
Lamp not illuminating (no function)	Loose or corroded connection at the pigtail or vehicle wiring; faulty lamp bulb/LED; no power from vehicle.	Check pigtail connection to lamp and vehicle wiring. Clean any corrosion. Test lamp directly if possible. Verify power supply from vehicle.
Incorrect lamp function (e.g., tail light acts as brake)	Incorrect wiring of the pigtail to the vehicle harness.	Review wiring instructions and vehicle's wiring diagram. Correct wire connections.
Intermittent lamp operation	Loose connection; damaged wire insulation; internal pigtail damage.	Secure all connections. Inspect wires for damage. If pigtail is damaged, replacement may be necessary.

If issues persist after troubleshooting, consult a qualified automotive electrician.

SPECIFICATIONS

Feature	Detail
Model Number	67000
Brand	Grote
Product Type	Stop Tail Turn Three-Wire Plug-In Pigtail
Connector Type	Slim-Line .180 Male (for Female Pin Lights)
Wire Configuration	Three-wire, blunt-cut
Nominal Length	11 1/2 inches
Product Dimensions	10.5 x 3.5 x 0.5 inches
Item Weight	0.32 ounces
Country of Origin	China
Date First Available	July 7, 2004

WARRANTY AND SUPPORT

Grote products are manufactured to high standards. For specific warranty information regarding the Grote 67000 pigtail, please refer to the warranty documentation provided by Grote or visit the official Grote website. For technical support or inquiries, please contact Grote customer service directly.

You can find more information about Grote products and support at the [Grote Store on Amazon](#).

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Question

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