Putco 243157A-360

Putco 243157A-360 Amber 3157 Plasma LED Bulb User Manual

Model: 243157A-360

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Putco 243157A-360 Amber 3157 Plasma LED Bulb. Please read this manual thoroughly before installation and retain it for future reference.

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.
- Wear appropriate personal protective equipment, such as safety glasses and gloves, during installation.
- Ensure the vehicle is turned off and the engine is cool before handling light bulbs.
- Do not touch the LED surface directly with bare hands, as oils can reduce the lifespan of the bulb.
- Verify the correct bulb type (3157) for your vehicle application before installation. Incorrect bulb types may not fit or function properly.
- Dispose of old bulbs according to local regulations.

Package Contents

The package for your Putco 243157A-360 Amber 3157 Plasma LED Bulb typically includes:

- Putco 243157A-360 Amber 3157 Plasma LED Bulb (quantity may vary based on purchase)
- Housing (as indicated by product details, though typically integrated with the bulb)

Note: Additional components like load resistors may be required for certain vehicle applications to prevent hyper-flashing. These are typically sold separately.

Setup and Installation

Follow these steps for proper installation of your LED bulb. Refer to your vehicle's service manual for specific instructions on accessing the bulb housing.

1. **Vehicle Preparation:** Ensure your vehicle is parked on a level surface, the engine is off, and the parking brake is engaged. Allow the engine and any existing bulbs to cool down completely.
2. **Disconnect Battery:** For safety, disconnect the negative terminal of your vehicle's battery.
3. **Access Bulb Housing:** Locate the light assembly where the 3157 bulb is installed (e.g., turn signal, brake light). Depending on your vehicle, this may require removing a tail light assembly, accessing from under the hood, or through a panel in the trunk.
4. **Remove Old Bulb:** Carefully twist the bulb socket counter-clockwise to remove it from the housing. Then, gently pull the old 3157 incandescent bulb straight out of the socket.
5. **Install New LED Bulb:** Insert the Putco Plasma LED Bulb into the socket. Ensure it is seated firmly.
6. **Test Functionality:** Before reassembling, reconnect the vehicle's battery. Turn on your vehicle's ignition and test the light function (e.g., turn signal, brake light, parking light).
7. **Address Hyper-Flashing (if applicable):** If the turn signals flash rapidly (hyper-flashing), this indicates that the vehicle's flasher relay or Body Control Module (BCM) detects lower power consumption from the LED bulb. To resolve this, you will need to install load resistors in parallel with each LED bulb. Refer to the load resistor manufacturer's instructions for proper wiring.
8. **Reassemble:** Once functionality is confirmed, twist the bulb socket clockwise back into the light housing until it is secure. Reassemble any panels or light assemblies removed during the process.



Figure 1: The Putco 243157A-360 Amber 3157 Plasma LED Bulb. This image shows the overall design of the LED bulb, featuring a metallic base and multiple LED elements for illumination.

Operating Instructions

The Putco Plasma LED Bulb operates automatically with your vehicle's existing lighting system. Once installed, the bulb will illuminate when the corresponding light function is activated (e.g., turn signal, brake light, parking light).

- **Brightness:** These LED bulbs are designed to provide bright illumination with a distinct amber hue.
- **Dual Functionality:** As a 3157 type bulb, it supports dual-intensity operation for applications like parking/turn signal or tail/brake lights, providing a noticeable difference between low and high illumination modes.



Figure 2: The Putco 243157A-360 Amber 3157 Plasma LED Bulb in an illuminated state. This image demonstrates the bright amber light output of the LED bulb.

Maintenance

Putco Plasma LED Bulbs are designed for long-term performance with minimal maintenance. The expected operating life is 50,000 hours.

- **Cleaning:** If necessary, gently wipe the exterior of the bulb with a clean, dry, lint-free cloth. Avoid using abrasive cleaners or solvents.
- **Inspection:** Periodically check the bulbs for proper operation. If a bulb is not functioning, refer to the Troubleshooting section.
- **Heat Dissipation:** Ensure the bulb housing allows for adequate airflow around the LED bulb to prevent overheating, although these bulbs are designed for low power consumption.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Bulb does not light up.	◦ Incorrect installation. ◦ Loose connection. ◦ Blown fuse. ◦ Incorrect polarity (some LEDs are polarity sensitive). ◦ Defective bulb.	◦ Ensure the bulb is fully seated in the socket. ◦ Check vehicle fuses related to the lighting circuit. ◦ Try reversing the bulb in the socket (if applicable). ◦ Test the bulb in another known working socket or contact support if suspected defective.
Turn signals flash rapidly (hyper-flashing).	◦ Vehicle's flasher relay or BCM detects low power draw from LED.	◦ Install appropriate load resistors (50W, 6 Ohm are common) in parallel with each LED bulb. ◦ Consult a professional automotive technician if unsure.
Bulb does not fit.	◦ Incorrect bulb type ordered. ◦ Vehicle-specific fitment issues.	◦ Double-check your vehicle's manual for the correct bulb type. ◦ Contact Putco customer support for compatibility assistance.

Specifications

Brand	Putco
Model Number	243157A-360
Bulb Type	3157 Plasma LED
Color	Amber
Light Source Type	LED
Operating Life	50,000 Hours
Specific Uses	Backup Lights, Fog light, Headlight, Indicator Light, Tail Light (*Note: Verify compatibility for specific vehicle applications*)
Power Consumption	Super low
Item Weight	2.08 ounces

Warranty and Guarantee

Putco Plasma LED Bulbs come with a **50,000-hour lifetime warranty** and Putco's **lifetime guarantee**. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, or to initiate a warranty claim, please contact Putco customer support.

Customer Support

If you encounter any issues or have questions regarding your Putco 243157A-360 Amber 3157 Plasma LED Bulb that are not covered in this manual, please contact Putco customer support for assistance. You can typically find contact information on the official Putco website or through your retailer.
Online Resources: Visit the Putco Store on Amazon

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Example: How do I reset this device or fix this error?

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