

## Parts Express 510001

# Parts Express 510001 LED Retrofit Lens Assembly - Shallow Insert User Manual

Brand: Parts Express | Model: 510001

## INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of your Parts Express 510001 LED Retrofit Lens Assembly. This product is designed as a shallow insert for automotive lighting applications, specifically for fleet and plant maintenance vehicles. It features a durable, waterproof design for reliable performance.

## SETUP AND INSTALLATION

The Parts Express 510001 LED Retrofit Lens Assembly requires assembly and is designed for universal fit in various automotive applications, particularly for car vehicle service types. Please follow these general guidelines for installation:

- Safety First:** Ensure the vehicle's power is disconnected before beginning any electrical work.
- Identify Location:** Determine the appropriate location for the lens assembly. This product is typically used as a tail light lens.
- Remove Existing Component:** Carefully remove the old lens or assembly, if present, following vehicle-specific procedures.
- Prepare Wiring:** The LED retrofit lens assembly comes with pre-attached wires. Ensure these are properly stripped and ready for connection.
- Connect Wiring:** Connect the wires from the new lens assembly to the vehicle's corresponding wiring. Ensure correct polarity (positive to positive, negative to negative) to prevent damage. Secure connections using appropriate connectors (e.g., crimp connectors, solder and heat shrink).
- Insert Assembly:** Carefully insert the shallow lens assembly into its housing. Ensure it sits flush and securely.
- Secure in Place:** Use any provided fasteners or clips to secure the lens assembly.
- Test Functionality:** Reconnect vehicle power and test the lighting function to ensure the LED lens assembly operates correctly.



*Image 1: The Parts Express 510001 LED Retrofit Lens Assembly, showing its red plastic lens and two wire leads for electrical connection.*

Due to its universal fit design, specific vehicle instructions may vary. Consult your vehicle's service manual for detailed wiring diagrams and housing removal procedures.

## OPERATING INSTRUCTIONS

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The Parts Express 510001 LED Retrofit Lens Assembly functions as a passive lighting component. Once correctly installed and wired into your vehicle's electrical system, it will illuminate when the corresponding vehicle light function (e.g., tail lights, brake lights) is activated. No user interaction is required for its operation beyond the initial installation.

## MAINTENANCE

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To ensure the longevity and optimal performance of your LED Retrofit Lens Assembly, consider the following maintenance tips:

- **Regular Cleaning:** Periodically clean the lens surface with a soft cloth and mild soap and water to remove dirt, dust, and road grime. Avoid abrasive cleaners or harsh chemicals that could damage the plastic lens.
- **Inspect for Damage:** Regularly check the lens for cracks, chips, or discoloration. Inspect the wiring connections for corrosion or loose contacts.
- **Waterproof Feature:** The assembly is designed to be waterproof. However, ensure that the seal around the lens remains intact and free from damage to maintain its waterproof integrity.

## TROUBLESHOOTING

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If the LED Retrofit Lens Assembly is not functioning as expected, consider the following:

- **No Illumination:**
  - Check electrical connections for looseness or corrosion.
  - Verify correct wiring polarity.
  - Inspect vehicle fuses related to the lighting circuit.
  - Ensure the vehicle's lighting switch is in the correct position.
- **Dim or Flickering Light:**
  - Check for poor electrical connections or insufficient grounding.
  - Verify the vehicle's voltage supply is stable.
- **Moisture Inside Lens:**
  - Inspect the lens assembly for cracks or damage to the waterproof seal. If damaged, replacement may be necessary.

If issues persist after troubleshooting, contact the seller or a qualified automotive technician.

SPECIFICATIONS

Feature	Detail
Brand	Parts Express
Model Number	510001
Manufacturer	ATI Products, Inc.
Specific Uses	Fleet and plant maintenance
Vehicle Service Type	Car
Special Feature	Waterproof
Lens Color	Red
Lens Material	Plastic
Item Dimensions (L x W x H)	10 x 11 x 2 inches
Item Weight	2.11 ounces
Assembly Required	Yes
Automotive Fit Type	Universal Fit

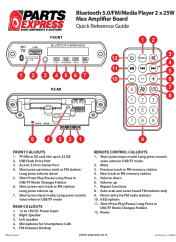
WARRANTY INFORMATION

Specific warranty details for the Parts Express 510001 LED Retrofit Lens Assembly are not provided in this manual. For information regarding product warranty, please refer to the documentation included with your purchase or contact the seller or manufacturer directly.

SUPPORT

For technical assistance, installation queries, or any other support needs related to your Parts Express 510001 LED Retrofit Lens Assembly, please contact the retailer from whom you purchased the product or the manufacturer, ATI Products, Inc.

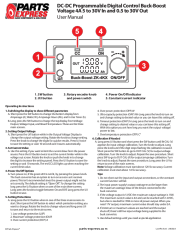
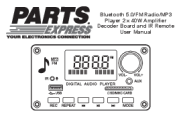
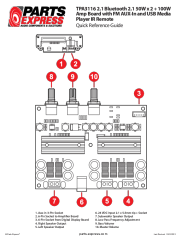
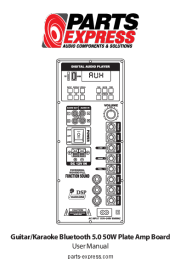

Related Documents - 510001



Bluetooth 5.0/FM/Media Player 2 x 25W Max Amplifier Board  
Quick Reference Guide

[Bluetooth 5.0/FM/Media Player 2 x 25W Max Amplifier Board Quick Reference Guide](#)

Quick reference guide for the Parts Express Bluetooth 5.0/FM/Media Player 2 x 25W Max Amplifier Board, detailing front panel, rear panel, and remote control features and functions.

 <p>Parts Express DC-DC Programmable Digital Control Buck-Boost Converter User Manual</p>	<p><a href="#">Parts Express DC-DC Programmable Digital Control Buck-Boost Converter User Manual</a></p> <p>User manual for the Parts Express DC-DC Programmable Digital Control Buck-Boost Converter (Model ZK-4KX), detailing operating instructions, settings, protections, calibration, and important tips for voltage and current regulation.</p>
 <p>Parts Express Bluetooth 5.0 FM Radio/MP3 Player with 2x40W Amplifier Decoder Board and IR Remote</p>	<p><a href="#">Parts Express Bluetooth 5.0 FM MP3 Player 2x40W Amplifier Decoder Board User Manual</a></p> <p>User manual for the Parts Express Bluetooth 5.0 FM Radio/MP3 Player with a 2 x 40W Amplifier Decoder Board and IR Remote. Features include dual decoding, recording, various input options, and detailed specifications.</p>
 <p>Parts Express TPA3116 2.1 Bluetooth Amplifier Board</p>	<p><a href="#">TPA3116 2.1 Bluetooth Amplifier Board Quick Reference Guide</a></p> <p>Quick reference guide for the Parts Express TPA3116 2.1 Bluetooth Amplifier Board, detailing its features, connections, and controls.</p>
 <p>Parts Express Guitar/Karaoke Bluetooth 5.0 50W Plate Amp Board</p>	<p><a href="#">Guitar/Karaoke Bluetooth 5.0 50W Plate Amp Board User Manual</a></p> <p>User manual for the Parts Express Guitar/Karaoke Bluetooth 5.0 50W Plate Amp Board, detailing its features, controls, jack specifications, and operation instructions.</p>
 <p>Parts Express Bluetooth Antique Speaker 3D Printer</p>	<p><a href="#">Build Your Own Bluetooth Antique Speaker: Parts Express 3D Printer Kit Manual</a></p> <p>Comprehensive build manual for the Parts Express Bluetooth Antique Speaker 3D Printer Kit. Includes a detailed list of components, step-by-step assembly instructions, and finishing tips for creating a unique retro-style Bluetooth speaker.</p>