

AUTOONE F150 LED Tail Light

AUTOONE LED Tail Light Assembly User Manual

For 2009-2014 Ford F-150 (Clear Lens)

1. PRODUCT OVERVIEW

This manual provides detailed instructions for the installation, operation, and maintenance of your AUTOONE LED Tail Light Assembly. Designed specifically for 2009-2014 Ford F-150 models, these upgraded taillights enhance vehicle visibility and appearance.

Brand: AUTOONE

Model: F150 LED Tail Light

Compatible Vehicles: 2009, 2010, 2011, 2012, 2013, 2014 Ford F-150

OE Numbers: BL3Z13404B, BL3Z13405B, FO2818143, FO2819143

2. KEY FEATURES

- **Upgraded LED Lighting:** All halogen bulbs are replaced with brighter, clearer LED bulbs for improved visibility and a distinct vehicle appearance. Includes LEDs for reversing lights, brake lights, turn signals, and side markers.
- **Durable Construction:** Manufactured with high-strength ABS and UV-protected PC materials to prevent aging from sun exposure and maintain light transmission.
- **Weather Resistance:** IP67 waterproof, dustproof, impact resistant, and corrosion resistant for long-lasting performance in various conditions.
- **Direct Fit:** Designed for direct replacement without requiring drilling, cutting, or modifications.

3. PACKAGE CONTENTS

- 1 x F150 LED Tail Light Assembly (Driver Side)
- 1 x F150 LED Tail Light Assembly (Passenger Side)
- Mounting Hardware (if applicable, refer to installation video)



Image: Pair of AUTOONE LED Tail Light Assemblies (Clear Lens).

4. INSTALLATION GUIDE

Installation is a direct replacement process. No drilling or cutting is required. For optimal results, it is recommended to test the lights before fully securing them.

4.1. Tools Required

- 10mm Socket Wrench or Phillips Head Screwdriver (depending on vehicle model)
- Pliers (for resistor mounting, if applicable)

4.2. Step-by-Step Installation

1. **Open Tailgate:** Lower your truck's tailgate to access the tail light assembly.
2. **Remove Fasteners:** Locate and remove the two 10mm bolts or screws holding the factory tail light in place. These are typically found on the inside edge of the tail light assembly.
3. **Detach Factory Tail Light:** Gently pull the tail light assembly straight back, away from the truck body. It may be held by plastic clips that will release with a firm pull.

4. **Disconnect Wiring:** Carefully disconnect the wiring harnesses from the factory tail light bulbs. For the reverse light, you will need to transfer the factory bulb and socket to the new LED assembly.
5. **Prepare New LED Tail Light:**
 - Connect the new LED tail light's wiring harnesses to the vehicle's existing wiring.
 - For the reverse light, insert the factory reverse light bulb and socket into the designated opening on the new LED tail light assembly.
 - If load resistors are included and not pre-mounted, secure them to a metal surface away from plastic components to dissipate heat.
6. **Test Functionality:** Before fully securing, temporarily position the new LED tail light and test all functions: running lights, brake lights, turn signals, and reverse lights. Ensure all lights operate correctly. If the reverse light does not work, try flipping the pins in the reverse light plug.
7. **Secure New LED Tail Light:** Align the new LED tail light with the mounting points on the truck body. Push it firmly into place until the plastic clips engage. Reinstall the two 10mm bolts or screws removed earlier.
8. **Repeat for Other Side:** Follow the same steps for the opposite side tail light.

4.3. Visual Installation Aid

For a visual walkthrough of the installation process, please refer to the following videos:

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Video: Detailed installation guide for LED Tail Lights compatible with 2009-2014 Ford F-150.

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Video: Installation steps for DNA Motoring TL-F15009-LED-RD3D-CH-RD Dual LED C-Bar Tail Light on 09-14 Ford F150.

SAME SIZE AS ORIGINAL FACTORY



EASY TO INSTALL

Direct replacement, drilling or cutting are not required



Image: Demonstrating the easy installation process of the tail light.

5. OPERATION

The AUTOONE LED Tail Light Assembly features multiple lighting modes for enhanced safety and visibility:

- **Running Lights:** Illuminate when headlights are on, providing continuous rear visibility.
- **Brake Lights:** Activate when the brake pedal is pressed, signaling deceleration.
- **Turn Signals:** Flash to indicate a turn or lane change.
- **Reverse Lights:** Bright white illumination when the vehicle is in reverse.

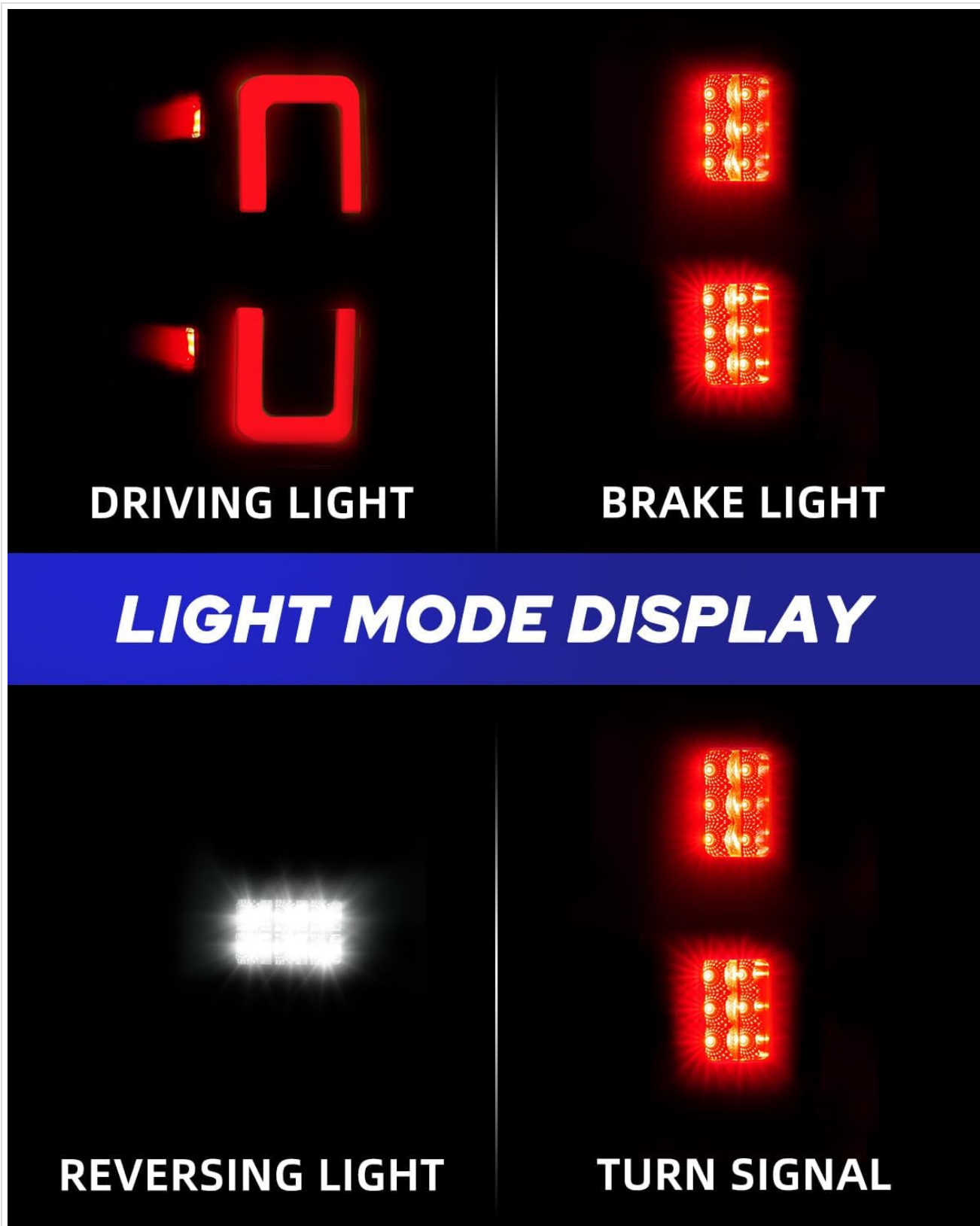


Image: Visual display of driving light, brake light, reversing light, and turn signal modes.

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Video: Demonstration of the lighting display for Ford F150 tail lights.

6. MAINTENANCE

The AUTOONE LED Tail Light Assembly is designed for durability and minimal maintenance. Regular cleaning with mild soap and water is recommended to maintain clarity and appearance. Avoid abrasive cleaners or harsh chemicals that could damage the lens material.



IP67 WATERPROOF

Waterproof material prevent the assembly from sand, rain snow and dust.

Image: Illustrates the IP67 waterproof rating, protecting against sand, rain, snow, and dust.

7. TROUBLESHOOTING

- **Lights Not Functioning:**
 - Ensure all wiring harnesses are securely connected.
 - Check vehicle fuses related to tail lights.
- **Reverse Light Not Working:**

- Verify the factory reverse bulb is correctly inserted into the new assembly.
 - If the bulb is correctly inserted and still not working, try removing the reverse light plug and flipping the pins before reinserting.
- **Hyper-flashing Turn Signals:**
 - Ensure any included load resistors are properly installed and securely mounted to a metal surface.

8. SPECIFICATIONS


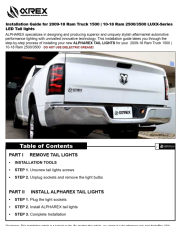
Feature	Detail
Brand	AUTOONE
Model	F150 LED Tail Light
Vehicle Service Type	2009-2014 Ford F-150
Auto Part Position	Rear
Lens Color	Clear
Lens Material	Plastic
Special Feature	Waterproof (IP67)
Wattage	50 watts
Item Weight	7.3 pounds
Package Dimensions	15.24 x 13.5 x 7.76 inches

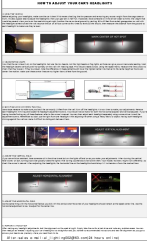



9. WARRANTY AND SUPPORT

Please refer to the product packaging or the manufacturer's official website for specific warranty information. For technical support or inquiries, contact AUTOONE customer service.

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Related Documents - F150 LED Tail Light

	<p>AUTOONE JS02 Jump Starter Quick Guide: Operation, Safety & Troubleshooting</p> <p>A concise and SEO-optimized guide to the AUTOONE JS02 Jump Starter. This document provides essential information on product features, operation instructions, packing list, technical specifications, and troubleshooting tips for safe and effective use.</p>
	<p>AlphaRex LUXX-Series LED Tail Light Installation Guide for 2009-2018 Dodge Ram Trucks</p> <p>Step-by-step installation guide for AlphaRex LUXX-Series LED Tail Lights on 2009-2018 Dodge Ram 1500, 2500, and 3500 models. Covers removal of old tail lights and installation of new LED units.</p>

	<p>How to Adjust Car Headlights: A Step-by-Step Guide</p> <p>Learn how to properly adjust your car's headlights for optimal visibility and safety. This guide provides clear, step-by-step instructions for leveling, measuring, and aligning your vehicle's headlights.</p>
	<p>Installation Manual for 3rd Brake Light - 2009-2014 Ford F150</p> <p>Step-by-step installation guide for a 3rd brake light on a 2009-2014 Ford F150, including necessary tools and detailed instructions for removal and connection.</p>
	<p>YITAMOTOR® Tow Mirrors Installation Instructions for Ford F250/F350 (2008-2016)</p> <p>Step-by-step installation guide for YITAMOTOR® powered heated extendable tow mirrors with LED turn signals, designed for 2008-2016 Ford F250 and F350 Super Duty trucks. Includes wiring diagram and important notes.</p>
	<p>YITAMOTOR 2007-2014 Ford F150 Passenger Side Mirror Installation Guide</p> <p>Comprehensive installation guide for YITAMOTOR's Right Passenger Side Mirror for 2007-2014 Ford F150. Includes step-by-step instructions, notes on wiring, and a wire diagram.</p>