

Auxbeam QP007470

Auxbeam 4-Inch LED Fog Lights for Jeep Wrangler JL (Model QP007470) Instruction Manual

DOT Approved Replacement Fog Lamps with Brackets

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Auxbeam 4-Inch LED Fog Lights. Designed as a direct replacement for Jeep Wrangler JL and JLU models from 2018 to 2023, these fog lights enhance visibility and vehicle aesthetics. Please read this manual thoroughly before installation and use.

2. SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical work to prevent electrical shock or damage.
- Ensure the vehicle is parked on a level surface with the parking brake engaged.
- Wear appropriate personal protective equipment, such as safety glasses and gloves.
- If you are unsure about any part of the installation process, consult a qualified automotive technician.
- Do not look directly into the LED lights when they are illuminated, as this may cause eye strain or damage.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged before proceeding with installation:

- 2 x Auxbeam 4-inch LED Fog Lights for Jeep Wrangler JL
- 2 x Brackets for Modified Steel Bumper
- 2 x Brackets for Plastic Bumper
- 2 x H16 5202 Male to H11 Female Pigtail Socket Connectors (Adapters)



Figure 1: Package contents including two LED fog lights, two sets of brackets, and wiring adapters.

4. PRODUCT FEATURES

- **High Brightness:** 34W / 2400 lumens per pair with 6000K color temperature for clear visibility.
- **Durable Construction:** PC lens with special coating to prevent fading, high transparency. Aluminum Alloy sealed housing for better heat dissipation.
- **Waterproof Design:** IP67 rated for water and dust resistance, ensuring reliability in various weather conditions.
- **Plug & Play Installation:** Designed for quick and easy installation without modifications. Includes angle adjuster for optimal light positioning.
- **Vehicle Compatibility:** Replacement for Jeep Wrangler JL JLU 2018+ (Note: Does not fit 10th Anniversary Bumper).



Figure 2: Key specifications of the fog lights, including 1200 lumens, 17W/Pcs, 6000K color temperature, and 50,000 hours lifespan.



Figure 3: Detailed view of the fog light dimensions (3.94 inch diameter, 3.54 inch depth, 4.33 inch height with bracket), breathing hole for moisture release, and the angle adjustment screw.

5. INSTALLATION GUIDE

This section outlines the steps for installing your new Auxbeam LED Fog Lights. The installation is designed to be plug-and-play, requiring minimal modifications.

5.1 Tools Required

- Socket wrench set (7mm socket)
- Pry tool for plastic clips
- Screwdriver

5.2 Pre-Installation Steps

1. Park your Jeep Wrangler JL/JLU on a level surface and engage the parking brake.

2. Turn off the engine and disconnect the negative terminal of the vehicle's battery.
3. Access the fog light area:
 - Remove the plastic strip behind the bumper by detaching approximately 7-8 push pins.
 - Remove the panel covering the light assembly. This involves detaching 6-8 push pins and one plastic pin. Loosening the rock guard behind and below the bumper may assist in sliding the panel off.

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Video 1: Installation overview for 4-inch LED fog lights on a Jeep Wrangler JK. While the video shows a JK model, the general process of accessing and replacing fog lights is similar for JL models. Note: Installation may vary depending on the bumper type.

5.3 Removing Existing Fog Lights

4. Once the panel is off, locate the four 7mm screws holding the original fog light bracket. Remove these screws.
5. Carefully detach the original fog light assembly and disconnect the wiring harness.

5.4 Installing New Auxbeam LED Fog Lights

6. Select the appropriate bracket for your bumper type (modified steel bumper or plastic bumper). The fog lights come with two types of brackets. You may need to detach one bracket from the light by unscrewing the adjustment screw if two brackets are pre-installed.
7. Connect the provided H16 5202 Male to H11 Female Pigtail Socket Connector to the vehicle's wiring harness.
8. Attach the new Auxbeam LED Fog Light to the chosen bracket.
9. Secure the new fog light assembly into the bumper using the four 7mm screws.
10. Reconnect the negative terminal of the vehicle's battery.
11. Test the fog lights to ensure proper function and adjust the angle using the adjustment screw on the back of the light for optimal beam pattern.
12. Reinstall the bumper panels and push pins.

AFTER INSTALLED



Figure 4: The included wiring adapters facilitate a plug-and-play installation, connecting directly to the vehicle's existing harness.

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Video 2: Unboxing and demonstration of the Auxbeam 4-inch LED Fog Lights, showing the components and basic functionality. This video provides a visual guide to the product's parts and how they connect.

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Video 3: Demonstration of the white daytime running light and amber turn signal light functions of the Auxbeam fog lights. This video illustrates the dual-color capability.

6. OPERATION

The Auxbeam LED Fog Lights operate in conjunction with your vehicle's existing lighting system.

- **Fog Light Function:** When your vehicle's fog lights are activated, the Auxbeam LED Fog Lights will illuminate with a bright white light (6000K).
- **Daytime Running Light (DRL) / Turn Signal Function:** These fog lights feature a dual-color function. The white

halo acts as a DRL, and it can switch to amber for turn signal indication if wired accordingly.



Figure 5: A Jeep Wrangler JL showcasing the bright white illumination of the installed Auxbeam LED Fog Lights.

7. MAINTENANCE

These LED fog lights are designed for long-lasting performance with minimal maintenance.

- **Cleaning:** Clean the lens with a soft cloth and mild soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the PC lens.
- **Inspection:** Periodically check the wiring connections for any signs of wear or corrosion. Ensure all mounting screws are tight.
- **Breathing Hole:** The integrated breathing hole helps prevent moisture buildup. Ensure it remains clear of debris.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Fog lights do not illuminate.	Loose wiring connection, blown fuse, incorrect wiring.	Check all connections, inspect vehicle's fuse box, verify wiring according to vehicle's electrical diagram.
Moisture inside the lens.	Blocked breathing hole, extreme temperature changes.	Ensure breathing hole is clear. Moisture should dissipate naturally. If persistent, contact support.
Fog lights do not fit the bumper.	Incorrect bumper type or model year.	Verify compatibility with your specific Jeep Wrangler JL/JLU model and bumper type. These lights are not compatible with the 10th Anniversary Bumper.

9. SPECIFICATIONS

Feature	Specification
Brand	Auxbeam
Model Number	QP007470
Color	Black No Halo
Specific Uses For Product	Fog Lights
Vehicle Service Type	Fit for Jeep JL 2018-2023 (DON'T FIT 10th Anniversary Bumper)
Wattage	34 watts (per pair)
Lumen	2400 lumens (per pair)
Color Temperature	6000K
Special Feature	Fog Light, IP67 Waterproof, DOT Approved
Auto Part Position	Front Left, Front Right
Lens Color	Clear
Lens Material	Polycarbonate
Item Weight	2.48 pounds

10. WARRANTY AND SUPPORT

Auxbeam products are designed for quality and durability. For warranty information, technical support, or any questions regarding your product, please refer to the official Auxbeam website or contact their customer service directly. Keep your purchase receipt for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

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

and use this page's manual context to help answer it.

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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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