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AUXITO 9006

AUXITO HB4 9006 LED Bulb Instruction Manual

Model: 9006

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your AUXITO HB4 9006 LED Bulbs. These bulbs are designed as a direct replacement for stock halogen bulbs, offering enhanced brightness and a cool white light output for improved visibility.



Image 1.1: AUXITO HB4 9006 LED Bulbs and Packaging.

2. PRODUCT FEATURES

- **Enhanced Brightness:** Provides significantly brighter illumination compared to standard halogen bulbs.
- **Color Temperature:** 6500K cool white light for clear visibility.
- **Mini Size Design:** Compact design for easy installation in various vehicle models.
- **Efficient Cooling System:** Features an aviation aluminum body and a high-speed cooling fan for optimal heat dissipation and extended lifespan.
- **Integrated IC Driver:** Built-in intelligent IC driver to minimize compatibility issues and electromagnetic interference.
- **Long Lifespan:** Designed for an operating life of up to 30,000 hours.



Image 2.1: Brightness Comparison (LED vs. Halogen).

EFFICIENT COOLING SYSTEM

High speed cooling fan



Aluminum heat-sink



Image 2.2: Efficient Cooling System Diagram.

3. COMPATIBILITY CHECK

Before installation, it is crucial to confirm that these bulbs are compatible with your vehicle. Incorrect bulb types can lead to improper fitment or functionality issues.

- 1. Consult Your Vehicle's Owner's Manual:** The manual typically specifies the correct bulb size for your vehicle's headlights or fog lights.
- 2. Check Original Bulbs:** Examine your vehicle's existing bulbs for size markings.
- 3. Online Compatibility Tools:** Utilize online automotive bulb lookup tools by entering your vehicle's make, model, and year.

Note: These bulbs are designed to replace stock halogen bulbs in original equipment (OE) assemblies.

Always pay attention to any specific fitment notes provided by compatibility guides.

THERE ARE THREE WAYS TO FIND BULB SIZE

1 CHECK BULB FITMENT GUIDE ON PRODUCT PAGE

Enter your vehicle year, make and model and then click "Confirm". Refer to the "Notes".

Enter a new vehicle

Select a Vehicle Type

Select Year

Select Make

Select Model

Browse

Note: Caution! Only replace Halogen bulbs in OE Assembly.

2014 Ram 1500

Mobile App

✓ This fits
2014 Ram 1500

Note: Fit for Low Beam light, if model w/o Projector

Pay Attention to the Fitment Notes

Note: Caution! Only replace Halogen bulbs in OE Assembly.

Check another vehicle

2 SEARCH ONLINE

automotive bulb lookup

Search "automotive bulb lookup" online

3 CHECK YOUR STOCK HALOGEN BULB

Image 3.1: Methods to Confirm Bulb Size.

4. SETUP AND INSTALLATION

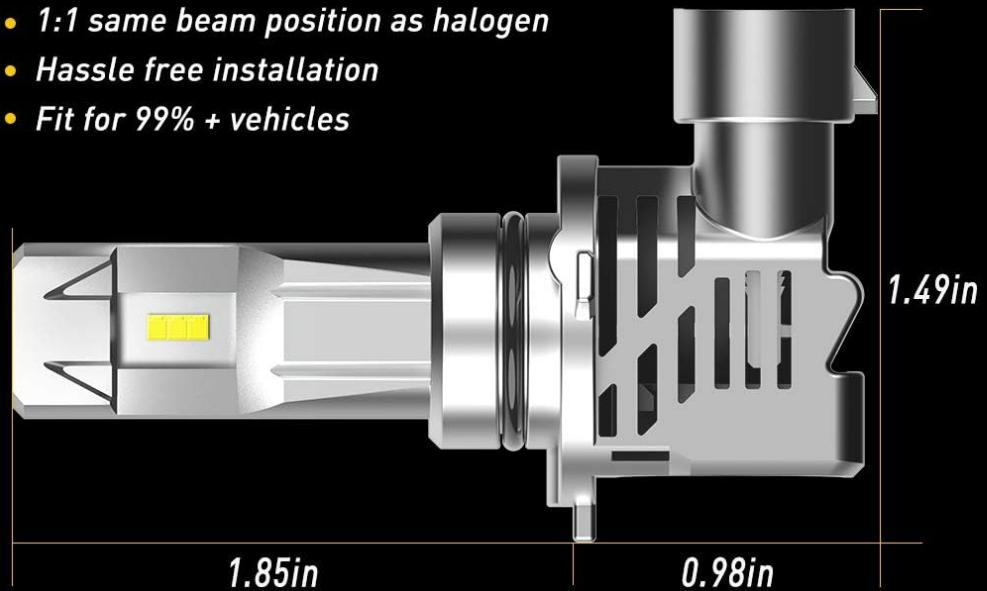
Follow these steps for proper installation. Ensure your vehicle's engine is off and the lights are cool before beginning.

- Access Bulb Housing:** Locate the headlight or fog light housing. Depending on your vehicle, this may require removing covers or other components.
- Remove Old Bulb:** Disconnect the electrical connector from the old halogen bulb. Then, unclip or twist to remove the old bulb from its socket.
- Install New LED Bulb:** Insert the AUXITO LED bulb into the housing. Ensure it is seated correctly and securely. The design is 1:1 with original halogen bulbs for a precise fit.
- Connect Electrical Connector:** Reconnect the electrical connector to the new LED bulb. Ensure a firm connection.
- Test Functionality:** Turn on your vehicle's lights to verify that the new LED bulbs are functioning correctly.
- Secure Components:** Reinstall any covers or components that were removed to access the bulb housing.

The compact, wireless design of these bulbs simplifies the installation process, making it a direct plug-and-play replacement for most vehicles.

PLUG LIKE ORIGINAL BULBS

- 1:1 same beam position as halogen
- Hassle free installation
- Fit for 99% + vehicles



Halogen Bulb

AUXITO LED



Image 4.1: Plug-and-Play Design Comparison.



Image 4.2: Installation Steps Overview.

5. OPERATING INSTRUCTIONS

Once installed, operate your AUXITO LED bulbs as you would your vehicle's standard lighting system. The bulbs are designed to provide consistent and reliable illumination.

- Ensure all connections are secure to prevent intermittent operation.
- The 6500K cool white light provides optimal visibility in various driving conditions.
- The built-in intelligent IC drive helps maintain stable performance and prevents common issues like flickering.

6. MAINTENANCE

AUXITO LED bulbs require minimal maintenance due to their durable construction and long lifespan. However, consider the following:

- **Regular Inspection:** Periodically check your headlights for proper function and light output.
- **Cleaning:** Keep your headlight lenses clean to ensure maximum light projection. Use a soft cloth and appropriate cleaning solution.
- **Environmental Protection:** While the bulbs are designed for durability, avoid direct exposure to harsh chemicals or extreme pressure washing on the bulb itself, especially around the fan area.

7. TROUBLESHOOTING

If you encounter issues with your AUXITO LED bulbs, refer to the following common problems and solutions:

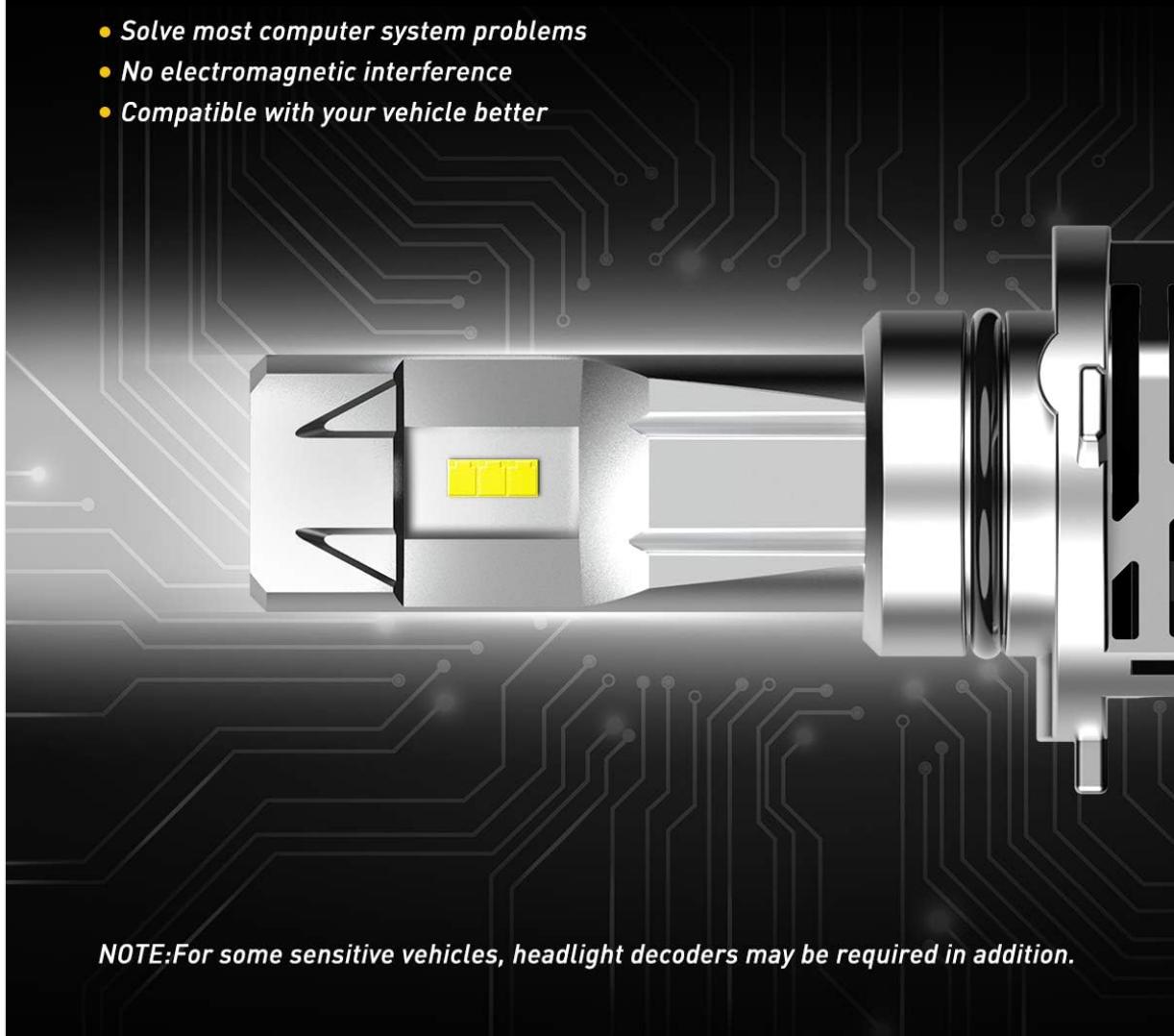
Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Bulbs not turning on	Loose connection, incorrect polarity, blown fuse.	Check all electrical connections. Ensure the bulb is inserted correctly (some vehicles may require reversing polarity). Inspect vehicle fuses.
Flickering or intermittent operation	Voltage fluctuations, CANbus system incompatibility.	Ensure stable power supply. For sensitive vehicles with CANbus systems, an additional headlight decoder (resistor) may be required to resolve flickering or error messages.
Dashboard error message (e.g., "Bulb Out")	CANbus system detects lower power draw from LED bulbs.	Install a CANbus decoder (resistor) to simulate the power draw of halogen bulbs, clearing the error message.
Beam pattern issues or glare	Improper bulb orientation or headlight alignment.	Ensure the LED chips are oriented correctly within the housing (typically facing left and right). Adjust headlight alignment if necessary to prevent blinding oncoming traffic.

The built-in intelligent IC drive is designed to solve most computer system problems, but some vehicles may still require additional decoders.

BUILT-IN INTELLIGENT IC DRIVE

- *Solve most computer system problems*
- *No electromagnetic interference*
- *Compatible with your vehicle better*



NOTE:For some sensitive vehicles, headlight decoders may be required in addition.

Image 7.1: Built-in Intelligent IC Drive.

8. SPECIFICATIONS

- **Bulb Type:** HB4 / 9006
- **Light Source:** LED
- **Color Temperature:** 6500K Cool White
- **Operating Voltage:** 12 Volts (DC)
- **Operating Life:** 30,000 Hours
- **Cooling:** Aviation Aluminum Body, High-Speed Cooling Fan
- **Fit Type:** Vehicle Specific Fit

- **Item Weight:** 7.4 ounces (per pair)
- **Package Dimensions:** 4.72 x 4.72 x 2.32 inches

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official AUXITO website. Keep your proof of purchase for any warranty claims.

Manufacturer: AUXITO

Official Website: www.auxito.com

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