

NAOEVO V03-9005-9006

NAOEVO 9005 9006 LED Headlight Bulbs Combo

INSTRUCTION MANUAL

1. Introduction

Thank you for choosing NAOEVO LED Headlight Bulbs. This manual provides essential information for the proper installation, operation, and maintenance of your new LED headlight bulbs. Please read it thoroughly before installation and keep it for future reference.

2. Safety Information

- Always disconnect the vehicle's battery before performing any electrical work to prevent electrical shock.
- Wear appropriate safety gear, including gloves and eye protection, during installation.
- Ensure the engine is off and the headlights are cool before handling the bulbs.
- Do not touch the LED chips directly, as oils from your skin can reduce their lifespan.
- Verify bulb compatibility with your vehicle's model before installation. Refer to your vehicle's owner's manual or consult a professional.
- Keep out of reach of children.

3. Package Contents

The NAOEVO 9005 9006 LED Headlight Bulbs Combo package includes the following items:

- 2 x NAOEVO V03-9005 LED Headlight Bulbs
- 2 x NAOEVO V03-9006 LED Headlight Bulbs
- 1 x User Manual (this document)



Image: What's in the Box - Illustrates the included LED bulbs and user manual.

4. Specifications

Key technical specifications for the NAOEVO 9005 9006 LED Headlight Bulbs:

Feature	Description
Model	V03-9005-9006
Bulb Type	9005/HB3 (High Beam), 9006/HB4 (Low Beam)
Light Source	CSP LED Chips (Double-sided design)
Lumen Output	32,000 LM (Total for combo)
Color Temperature	6500K Cool White
Voltage	12 Volts
Lifespan	Over 50,000 Hours
Waterproof Rating	IP68
Cooling System	Built-in 12000 RPM Ultra-Quiet Fan, Thermal Conductive Copper Plate, Aviation Aluminum Body
CANBUS Compatibility	Built-in CANBUS technology for 99% vehicle compatibility



Image: 50,000+ Hours Lifespan - Highlights the cooling components like the thermal conductive copper plate, double-sided CSP LED chips, aviation aluminum body, and 12,000 RPM silent fan, contributing to extended bulb life.



Image: Product Dimension - Shows the compact size of the LED bulb, measuring approximately 2.7 inches in total length, 0.95 inches in height from the base, and 2.2 inches in width at the fan housing.

5. Installation

The NAOEVO LED headlight bulbs feature a 1:1 mini size design for hassle-free, plug-and-play installation. The process typically takes about 5 minutes per bulb.

Installation Steps:

1. **Prepare for Installation:** Ensure your vehicle is turned off and the engine is cool. Open the hood and locate the headlight assembly.
2. **Remove the Old Bulb:** Disconnect the power connector from the existing halogen bulb. Then, unclip or twist to remove the old bulb from its housing.
3. **Separate the Lock Ring:** Gently twist and separate the lock ring from the new NAOEVO LED bulb.
4. **Install the Lock Ring:** Insert the lock ring into the headlight housing and secure it by twisting or clipping it into place. Ensure it is firmly seated.
5. **Insert the LED Bulb:** Carefully insert the NAOEVO LED bulb into the lock ring. Align the bulb's tabs with the slots in the lock ring.
6. **Secure the LED Bulb:** Once aligned, twist the LED bulb clockwise until it locks securely into the retaining ring. The LED chips should face horizontally (3 o'clock and 9 o'clock positions) for optimal

beam pattern.

- 7. Connect Power:** Connect the power connector from your vehicle to the LED bulb's connector. Ensure a secure connection.
- 8. Test Functionality:** Turn on your vehicle's headlights to test the new LED bulbs. Check both low and high beams.



Image: Easy Installation - Demonstrates the 1:1 size comparison with a halogen bulb and a three-step installation process: inserting the bulb, twisting to lock, and connecting the plug, highlighting non-polarity and plug-and-play features.

Beam Pattern Adjustment:

For optimal light output and to avoid blinding other drivers, ensure the LED chips are aligned correctly. The chips should be positioned horizontally, facing the 3 o'clock and 9 o'clock directions. If the beam pattern is not ideal, you may need to slightly adjust the bulb's rotation within the housing.

6. Operation

The NAOEVO LED headlight bulbs operate like standard halogen bulbs but provide significantly brighter and clearer illumination. They are designed for both high and low beam functions, depending on the specific bulb (9005 for high beam, 9006 for low beam).

- **Low Beam (9006/HB4):** Provides a wide, short-range light pattern suitable for normal driving conditions, designed to illuminate the road without dazzling oncoming traffic.
- **High Beam (9005/HB3):** Offers a powerful, long-range light pattern for maximum visibility on dark roads where no oncoming traffic is present.



Image: 400% Brighter Than Halogen - Shows a visual comparison of the road illumination provided by NAOEVO LED bulbs (16,000LM, 6,500K) versus standard halogen bulbs (2,000LM, 3,000K) in rainy conditions, demonstrating superior brightness and clarity.



Image: See Better and Wider - Illustrates the enhanced visibility provided by the LED headlights, featuring wider and further lighting, a super-focused beam pattern, and no blinding or dark spots.

7. Maintenance

NAOEVO LED headlight bulbs are designed for long-term performance with minimal maintenance. Follow these guidelines to ensure optimal operation:

- **Regular Cleaning:** Periodically clean your headlight lenses to ensure maximum light output. Use a soft cloth and appropriate automotive cleaning solution.
- **Inspect Connections:** Occasionally check the electrical connections to the bulbs to ensure they remain secure and free from corrosion.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners or solvents on the bulbs or headlight assembly, as this can damage the materials.
- **Waterproof Design:** The bulbs are IP68 rated for water and dust resistance, ensuring reliable performance in various weather conditions.

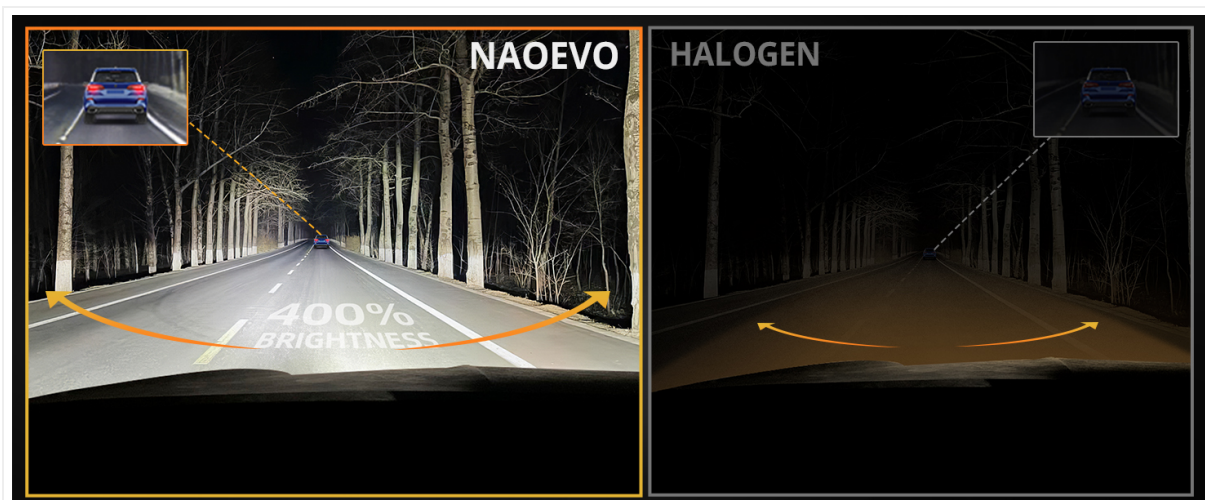


Image: IP68 Waterproof - Displays a car being sprayed with water and other vehicles driving in snow, sleet, fog, and dust, illustrating the bulbs' resilience to harsh environmental conditions.

8. Troubleshooting

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

Problem	Possible Cause	Solution
Bulbs not turning on	Loose connection, incorrect polarity, blown fuse, incompatible CANBUS system.	Check all connections, ensure correct polarity (if applicable), inspect vehicle fuses, or consider an external CANBUS decoder if your vehicle requires it.
Flickering or strobing	CANBUS incompatibility, voltage fluctuations.	The built-in CANBUS system should prevent this. If flickering occurs, an additional CANBUS decoder might be needed for specific sensitive vehicles.
Dashboard error message	CANBUS incompatibility (vehicle's computer detects lower power draw).	The built-in CANBUS system is designed to prevent error messages. If an error persists, an external CANBUS decoder may be required.
Poor beam pattern or dark spots	Incorrect bulb orientation.	Ensure the LED chips are facing horizontally (3 o'clock and 9 o'clock). Adjust the bulb's rotation if necessary.
One bulb is out	Faulty bulb, loose connection, vehicle wiring issue.	Check connections. Swap bulbs to determine if the issue is with the bulb or vehicle wiring. Contact support if the bulb is faulty.

If you are unable to resolve the issue using the troubleshooting guide, please contact NAOEVO customer support for assistance.



Image: Built-in CANBUS Ready - Shows various vehicle types (SUV, sedan, truck) and a close-up of the LED bulb with its integrated CANBUS chip, indicating compatibility with 99% of vehicles and preventing error codes, flickering, or electronic interference.

9. Warranty & Support

NAOEVO provides a 1-year manufacturer's warranty for this product. This warranty covers defects in materials and workmanship under normal use.

To claim warranty or for support:

- Please retain your proof of purchase.
- Contact NAOEVO customer service through the retailer where you purchased the product or directly via the manufacturer's official website.
- Provide your product model number (V03-9005-9006) and a detailed description of the issue.

For any questions regarding the bulb, please message NAOEVO for help.