

Hella 226971531

Hella H7 LED Fog Light Bulb Instruction Manual

Model: 226971531 | Brand: Hella

1. PRODUCT OVERVIEW

The Hella H7 LED Fog Light Bulb is designed as a direct replacement for H7 halogen fog light bulbs, offering enhanced brightness and a cool white light at 6500K. This product provides a modern aesthetic and improved visibility for your vehicle's fog lamps.



Image 1.1: Hella H7 LED Fog Light Bulb packaging.



Image 1.2: Rear view of the Hella H7 LED Fog Light Bulb packaging, showing product details.

2. PACKAGE CONTENTS

Each package contains the following items:

- 2 x Hella H7 LED Fog Light Bulbs

3. KEY FEATURES

- **Exceptional Brightness:** Upgraded LED technology provides more light on the road.
- **Cool White Light:** 6500K color temperature for high visibility and a modern look.
- **Optimized Heat Management:** Features a large aluminum cooling surface, integrated overheating protection, and an active built-in fan for efficient heat dissipation.
- **Longer Lifetime:** Engineered for extended service life compared to traditional halogen bulbs.

- **Easy Installation:** Designed for direct replacement of H7 halogen fog light bulbs.



Image 3.1: Diagram highlighting the high visibility, optimized heat management, integrated driver, built-in fan, and aluminum heat sink of the LED bulbs.

4. SAFETY INFORMATION

Please read and understand all safety instructions before installation and use. Failure to do so may result in personal injury or product damage.

- Always disconnect the vehicle's battery before performing any electrical work.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Ensure the bulbs are cool before handling to avoid burns.
- Do not touch the LED chips directly, as this can damage the bulb.
- Verify local regulations regarding the use of LED fog lights. Some regions may have specific requirements or restrictions.
- If you are unsure about the installation process, seek professional assistance.

5. SETUP AND INSTALLATION

The Hella H7 LED Fog Light Bulbs are designed for easy replacement of existing H7 halogen fog light bulbs. A CANBUS module is not included and may be required for some vehicle systems to prevent error messages or flickering.

Installation Steps:

1. **Preparation:** Ensure the vehicle is turned off and the engine is cool. Disconnect the negative terminal of the vehicle's battery.
2. **Access Fog Light:** Locate the fog light assembly. Depending on your vehicle model, you may need to remove wheel well liners, bumper covers, or access from under the hood.
3. **Remove Old Bulb:** Disconnect the electrical connector from the existing halogen bulb. Carefully unclip or twist to remove the old H7 halogen bulb from its housing.

4. **Install LED Bulb:** Insert the Hella H7 LED Fog Light Bulb into the fog light housing. Ensure it is seated correctly and securely.
5. **Connect Electrical:** Connect the electrical connector to the new LED bulb. Ensure a secure connection.
6. **Test Functionality:** Reconnect the vehicle's battery. Turn on your vehicle's fog lights to verify proper operation. If issues like flickering or error messages occur, a CANBUS decoder (not included) may be necessary.
7. **Reassemble:** Reinstall any removed components (e.g., wheel well liners, bumper covers).

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Video 5.1: Official Hella video demonstrating the installation process and features of the LED Retrofit Bulbs Range. This video illustrates the ease of upgrading from halogen to LED fog lights.

6. OPERATING INSTRUCTIONS

Once installed, the Hella H7 LED Fog Light Bulbs operate in conjunction with your vehicle's existing fog light system. Simply activate your vehicle's fog lights as you normally would. The LED bulbs will provide immediate, full brightness.

- Ensure your vehicle's electrical system is functioning correctly.
- Use fog lights appropriately according to road conditions and local traffic laws.

7. MAINTENANCE

Hella H7 LED Fog Light Bulbs are designed for long-term, maintenance-free operation. However, periodic checks can help ensure optimal performance.

- **Cleaning:** Keep the exterior of your fog light lenses clean from dirt, mud, and debris to ensure maximum light output. Use a soft cloth and appropriate automotive cleaning solution.
- **Inspection:** Periodically inspect the bulbs and their connections for any signs of damage or loose wiring.
- **Heat Management:** Ensure that the area around the bulb housing is clear of obstructions to allow for proper airflow and heat dissipation from the integrated fan and aluminum heat sink.

8. TROUBLESHOOTING

If you encounter issues with your Hella H7 LED Fog Light Bulbs, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Bulbs do not light up	Loose connection, incorrect polarity, blown fuse, faulty bulb.	Check all electrical connections. Ensure correct polarity (some LED bulbs are sensitive to polarity). Inspect vehicle fuses. Test with original halogen bulb to confirm vehicle wiring is functional. Replace bulb if faulty.
Bulbs flicker or turn off intermittently	CANBUS system incompatibility, voltage fluctuations.	Install a CANBUS decoder (load resistor) if your vehicle's system detects the lower power draw of LED bulbs as an error. Ensure stable power supply.

Problem	Possible Cause	Solution
Error message on dashboard	CANBUS system incompatibility.	Install a CANBUS decoder (load resistor) to resolve dashboard error messages related to bulb outages.
Reduced light output or dimness	Dirty lens, overheating, faulty bulb.	Clean fog light lenses. Ensure proper ventilation around the bulb. If problem persists, the bulb may be faulty and require replacement.

9. SPECIFICATIONS

Specification	Detail
Brand	Hella
Model Number	226971531
Light Source Type	LED
Color Temperature	6500 Kelvin (Cool White)
Voltage	12 Volts (compatible with 12V and 24V applications)
Fit Type	Universal Fit (H7 Halogen Fog Light Replacement)
Auto Part Position	Front
Item Weight	4 ounces
Product Dimensions	5 x 4.2 x 1.9 inches
Item Package Quantity	1 (contains 2 bulbs)

10. WARRANTY INFORMATION

Hella products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your product or visit the official Hella website. Keep your proof of purchase for any warranty claims.

11. SUPPORT

For technical assistance, installation questions, or further product information, please contact Hella customer support through their official website or the contact information provided in your product packaging. Always provide your product model number (226971531) when seeking support.