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> [FAHREN](#) /

> [FAHREN H11 Fog Bulbs User Manual](#)

FAHREN H11/H8/H9

FAHREN H11 Fog Bulbs User Manual

Model: H11/H8/H9 | Brand: FAHREN

1. PRODUCT OVERVIEW

The FAHREN H11 Fog Bulbs are designed to provide enhanced illumination for your vehicle's fog lights. These upgraded bulbs offer significant brightness improvement over standard halogen bulbs, featuring a cool white light output and a durable, waterproof design for reliable performance in various conditions.



Image 1.1: FAHREN H11 Fog Bulbs, showing two bulbs, a decoder box, and the product packaging.

Key Features:

- **Massive Brightness Boost:** Delivers 60,000 lumens (per pair) with 120W power, providing a 1000% increase in brightness compared to standard halogen bulbs.
- **Precision Beam Pattern:** Engineered with an ultra-thin profile for a focused beam, reducing glare and eliminating dark spots.
- **Quick Installation:** Designed for a plug-and-play experience, allowing for installation in approximately 10 minutes. Includes a decoder for compatibility.
- **Durable Lifespan:** Constructed with aerospace-grade aluminum and a high-speed 15,000 RPM turbo cooling fan, ensuring a lifespan of over 60,000 hours.
- **Wide Vehicle Compatibility:** Compatible with approximately 99% of vehicles. An additional CANBUS decoder may be required for some sensitive vehicle models.

2. WHAT'S IN THE BOX

Upon opening your FAHREN H11 Fog Bulbs package, you should find the following components:

- 2 x LED Bulbs
- 1 x User Manual
- 2 x Double Sided Tape
- 4 x Zip Ties
- 1 x Allen Wrench (for H11, 9005, 9006, 9012 ONLY)

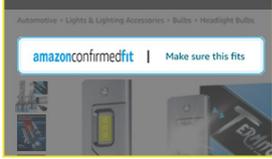
DESKTOP FITMENT GUIDES

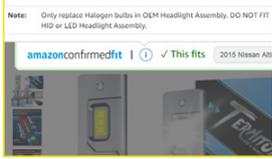
1. Please select your vehicle year, make, and model then click "Check Fit".

2. Please click "See More" or check the Exclamation Point to get NOTE.

Check your stock halogen bulb









OR

PLEASE NOTE:

amazonconfirmedfit may not be 100% accurate. Please check your owner's manual or original bulb's part number if you don't sure whether the LED bulbs fit your vehicle or not. Or ask us for help if you encounter any problems.

Image 2.1: Depiction of the FAHREN H11 Fog Bulbs package contents, including two LED bulbs, a decoder, and the user manual.

3. SPECIFICATIONS

Attribute	Value
Brand	FAHREN
Model	H11/H8/H9
Brightness	60000 Lumens (per pair)
Wattage	120W (per pair)
Color Temperature	6500K Cool White
Waterproof Rating	IP68
Lifespan	Over 60,000 hours
Cooling System	15,000 RPM Turbo Cooling Fan, Double Sintered Copper Tube
Material	Aerospace-grade Aluminum
Voltage	12 Volts
Automotive Fit Type	Universal Fit

4. INSTALLATION GUIDE

The FAHREN H11 Fog Bulbs are designed for a straightforward, plug-and-play installation. Please follow these general steps. Always refer to your vehicle's owner's manual for specific instructions on accessing and replacing fog light bulbs.

4.1 Pre-Installation Checks

- Ensure your vehicle is turned off and the engine is cool.
- Verify the bulb type required for your vehicle's fog lights (H11, H8, or H9).
- Check the fitment using online guides or your vehicle's manual.



Image 4.1: Example of a desktop fitment guide, illustrating how to check compatibility for your vehicle.

4.2 Step-by-Step Installation (Approx. 10 Minutes)

1. **Locate and Remove Old Bulb:** Access your vehicle's fog light housing. This may involve removing fender liners or other components. Disconnect the electrical connector from the existing halogen bulb and then twist or unclip the bulb to remove it from the housing.
2. **Insert New LED Bulb:** Carefully insert the FAHREN LED bulb into the fog light housing. Ensure it is seated correctly and securely locked into place. Avoid touching the LED chips directly.
3. **Connect Electrical Connector:** Connect the electrical connector from your vehicle to the FAHREN LED bulb. If the bulb does not light up, try flipping the connector 180 degrees and re-connecting, as LED bulbs are polarity sensitive.
4. **Secure Decoder (if applicable):** The included decoder helps ensure compatibility. Use the provided double-sided tape and zip ties to secure the decoder box away from moving parts and heat sources.
5. **Test and Adjust:** Turn on your vehicle's fog lights to test the new bulbs. If necessary, use the 360° adjustable locker ring feature to fine-tune the beam pattern for optimal light output and to avoid blinding oncoming traffic.



Image 4.2: Visual representation of the three main steps for installing the FAHREN H11 Fog Bulbs.

5. OPERATING INSTRUCTIONS

Once installed, the FAHREN H11 Fog Bulbs operate like your vehicle's original fog lights. Activate them using your vehicle's standard fog light switch. These bulbs are designed to provide superior visibility in adverse weather conditions such as fog, rain, and snow.



Image 5.1: Illustrates the increased brightness of FAHREN LED bulbs compared to traditional halogen bulbs on a dark road.

Important Considerations:

- Always ensure your fog lights are properly aimed to prevent glare for other drivers.
- Use fog lights appropriately according to local traffic laws and weather conditions.

6. MAINTENANCE

The FAHREN H11 Fog Bulbs are engineered for long-term durability and minimal maintenance.

- **Cleaning:** Periodically inspect the fog light lenses for dirt or debris and clean them with a soft cloth and appropriate automotive cleaner to maintain optimal light output.
- **Durability:** The IP68 waterproof rating ensures protection against dust and water ingress, making them suitable for various environmental conditions. The robust cooling system helps maintain performance and extends the bulb's lifespan beyond 60,000 hours.



Image 6.1: Illustration highlighting the IP68 waterproof design of the FAHREN H11 Fog Bulbs, indicating resistance to rain, snow, and fog.

7. TROUBLESHOOTING

If you encounter issues with your FAHREN H11 Fog Bulbs, consider the following troubleshooting steps:

- **Bulb Not Lighting Up:** If a bulb does not illuminate after installation, disconnect the electrical connector, flip it 180 degrees, and reconnect. LED bulbs are polarity sensitive.
- **Flickering or Error Messages:** For some sensitive vehicle models, an additional CANBUS decoder may be required to prevent flickering or dashboard error messages. While the included decoder addresses most vehicles, a separate, more robust CANBUS decoder might be necessary for specific car systems.
- **Improper Beam Pattern:** Utilize the 360° adjustable locker ring on the bulb to rotate and adjust the light output until an optimal beam pattern is achieved. This helps ensure proper road illumination and prevents glare.
- **Reduced Brightness:** Ensure the fog light lenses are clean and free from obstructions. Verify that the electrical connections are secure.

8. COMPATIBILITY

The FAHREN FX6 series H11 bulbs are designed for broad compatibility, fitting approximately 99% of vehicles that use H11, H8, or H9 bulb types for their fog lights. However, vehicle compatibility can vary.

- Always consult your vehicle's owner's manual or check the existing bulb's part number to confirm the correct bulb type before purchase and installation.
- For vehicles with advanced CANBUS systems, an additional CANBUS decoder might be necessary to ensure proper function without errors or flickering.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your FAHREN H11 Fog Bulbs, please refer to the contact details provided in the product packaging or visit the official FAHREN website. Keep your purchase receipt for warranty claims.