

RCJ 9005+H11

RCJ LED Headlight/Fog Light Bulbs (9005+H11 Combo) - Installation and Operation Manual

Model: 9005+H11 | Brand: RCJ

1. PRODUCT OVERVIEW

The RCJ 9005/HB3 and H11/H8/H9 LED bulb combo provides enhanced illumination for your vehicle's headlights and fog lights. These bulbs feature a 1:1 mini size design for easy integration, high brightness, and a cool white color temperature for improved visibility.

This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your RCJ LED bulbs.

2. KEY FEATURES

- **High Brightness:** Equipped with high-end matrix chips, these bulbs offer 32000 lumens output and a 6000K cool white color temperature, providing significantly brighter and wider visibility compared to standard halogen bulbs.
- **Plug-and-Play Installation:** Designed with a 1:1 mini size, matching stock bulbs, and requiring no external drivers or connectors for a quick and simple installation process.
- **Optimized Beam Pattern:** Engineered to simulate the original car bulb's beam pattern, ensuring a focused beam for wider, longer-range illumination without dark spots or glare for oncoming drivers.
- **Durable and Reliable:** Features a 12,000 rpm high-speed silent fan and aerospace-grade aluminum hollow chamber for efficient heat dissipation, ensuring over 50,000 hours of stable performance. An IP67 waterproof rating ensures reliability in various weather conditions.
- **Extensive Compatibility (Canbus Ready):** Built-in enhanced smart IC chip ensures compatibility with 99% of vehicle systems, preventing false warnings, flickering, and radio interference. Note: A decoder may be required for less than 1% of sensitive models.

3. INSTALLATION GUIDE

Follow these steps for a quick and easy installation of your RCJ LED bulbs. Ensure your vehicle's engine is off and the lights are cool before beginning.

3.1. Pre-Installation Check

- Verify the bulb type (9005/HB3 and H11/H8/H9) matches your vehicle's requirements. Consult your vehicle's owner's manual or check the original bulb's part number.
- Ensure the vehicle's battery is disconnected to prevent electrical issues during installation.

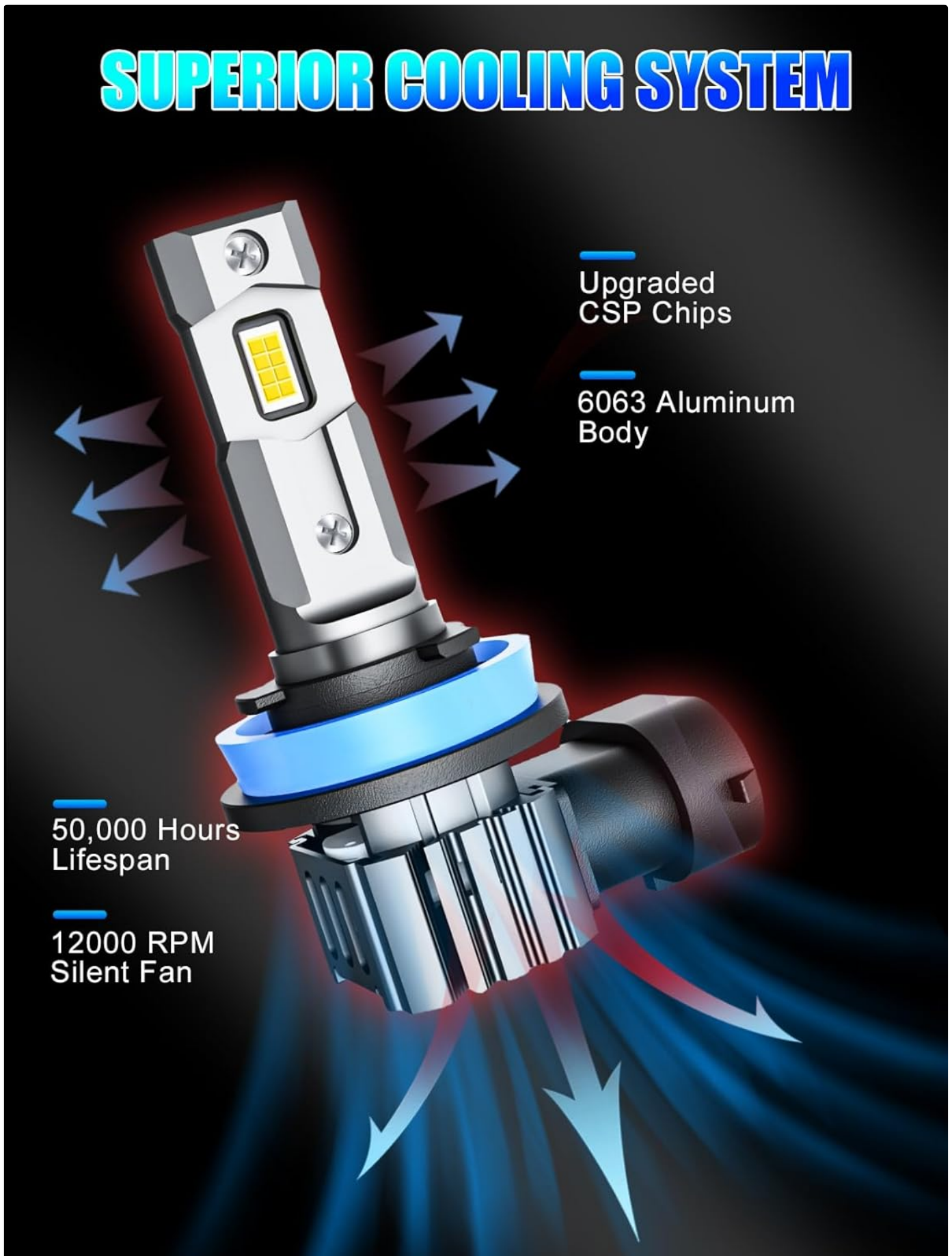


Figure 3.1: RCJ LED bulb (left) compared to a halogen bulb (right), illustrating the compact 1:1 mini size for easy fitment.

3.2. Installation Steps

1. **Locate and Remove Old Bulb:** Open your vehicle's hood and locate the headlight or fog light assembly. Disconnect the electrical connector from the existing bulb. Carefully unclip or twist to remove the old bulb from its housing.
2. **Insert New LED Bulb:** Align the RCJ LED bulb with the socket. Insert the bulb into the housing, ensuring it is seated correctly.
3. **Secure the Bulb:** If applicable, put the spring buckle back to secure the bulb firmly in place.
4. **Connect Electrical Plug:** Connect the stock electrical plug to the new RCJ LED bulb. Ensure a secure connection.
5. **Test Functionality:** Reconnect the vehicle's battery. Turn on your vehicle's lights to test the new LED bulbs. Verify that both bulbs illuminate correctly and that there are no error messages on your dashboard.

IP67 WATERPROOF



Figure 3.2: Step-by-step visual guide for installing the RCJ LED bulbs, demonstrating alignment, securing, and connecting.

Note: The RCJ LED bulbs are designed for plug-and-play installation, eliminating the need for extra connectors or external drivers.

4. OPERATION

Once installed, the RCJ LED bulbs operate like your vehicle's standard lighting system. They provide immediate, full brightness upon activation.

- **Brightness:** The bulbs deliver 32000 lumens of light, significantly enhancing visibility during night driving or in adverse weather conditions.
- **Color Temperature:** Emitting a 6000K cool white light, these bulbs provide a clear, modern aesthetic and improved contrast compared to warmer halogen lights.
- **Beam Pattern:** The optimized beam pattern ensures light is directed effectively onto the road without causing excessive glare for other drivers.

**500% BRIGHTER
THAN HALOGEN**



RCJ

| 16000LM

| 6000K

| 1300FT



HALOGEN

| 3000LM

| 2200K

| 260FT

Figure 4.1: Visual comparison demonstrating the superior brightness and wider illumination provided by RCJ LED bulbs versus halogen bulbs.

5. MAINTENANCE

RCJ LED bulbs are designed for minimal maintenance due to their robust construction and efficient cooling system.

- **Cleaning:** Periodically inspect the bulb surface and headlight/fog light lens for dirt or debris. Clean with a soft, damp cloth if necessary. Avoid abrasive cleaners.
- **Lifespan:** These bulbs are rated for over 50,000 hours of operation, significantly longer than traditional halogen bulbs. Regular replacement is not typically required.
- **Environmental Protection:** The IP67 waterproof rating ensures protection against dust and water ingress, allowing reliable performance in various weather conditions including rain, fog, and snow.

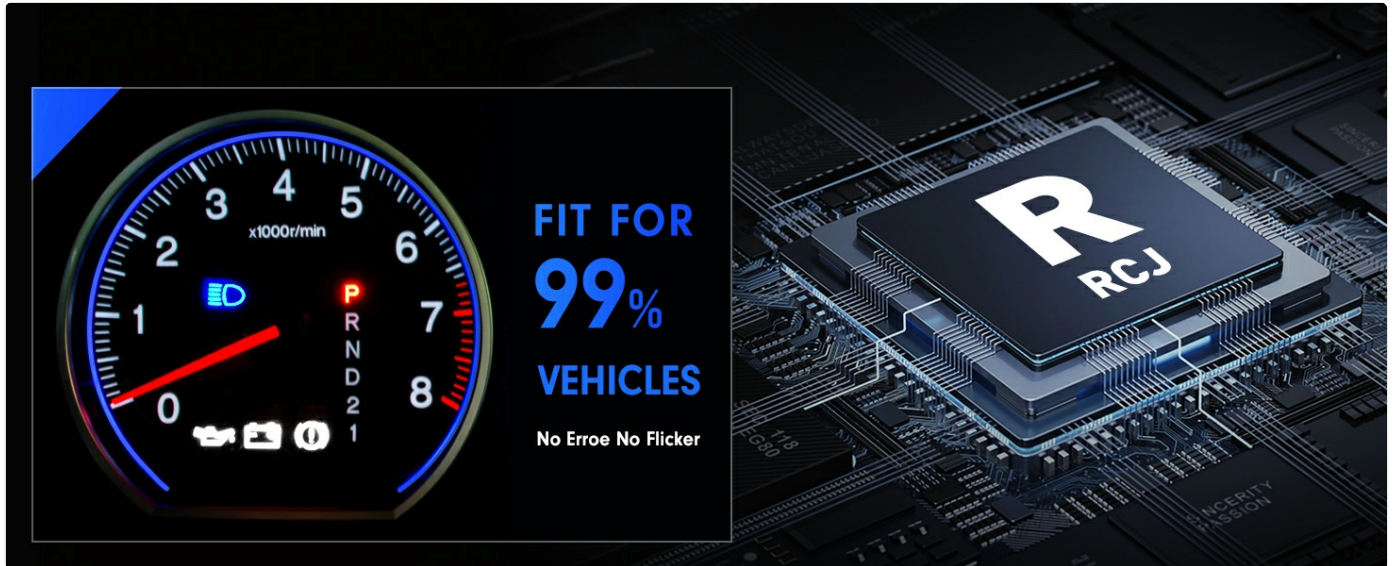


Figure 5.1: The RCJ LED bulb's IP67 waterproof design ensures durability and performance in challenging weather conditions.

6. TROUBLESHOOTING

If you encounter issues with your RCJ LED bulbs, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Bulb does not light up	Loose connection, incorrect polarity, faulty bulb, blown fuse.	Check all connections for tightness. Ensure the bulb is inserted correctly. Verify vehicle fuses. If the issue persists, contact support.
Flickering or intermittent light	Canbus incompatibility (for sensitive vehicles), loose connection.	Ensure connections are secure. For sensitive vehicle models (less than 1%), an additional decoder may be required. Contact RCJ support for assistance.
Dashboard error message (e.g., "bulb out")	Canbus system detecting lower power draw from LED bulbs.	While RCJ bulbs are Canbus ready for 99% of vehicles, some sensitive models may still trigger errors. An external Canbus decoder can resolve this. Contact RCJ support for a free kit if needed.
Beam pattern is not optimal or causes glare	Bulb not seated correctly in the housing, headlight assembly misalignment.	Re-seat the bulb, ensuring it is perfectly aligned. If necessary, have your headlight assembly professionally adjusted.

DESKTOP FITMENT GUIDE

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



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 bulbs fit your vehicle or not.

Figure 6.1: RCJ LED bulbs feature an enhanced smart IC chip for broad vehicle compatibility and to prevent common error messages.

7. SPECIFICATIONS

Feature	Detail
Model Number	9005+H11
Light Source Type	LED
Luminous Flux	32000 Lumens (per pair)
Color Temperature	6000K Cool White
Voltage	12 Volts (DC)
Lifespan	> 50,000 Hours
Waterproof Rating	IP67
Cooling System	12,000 RPM High-Speed Silent Fan, Aerospace-Grade Aluminum Hollow Chamber
Compatibility	99% Canbus Ready (for 9005/HB3 and H11/H8/H9 applications)
Package Quantity	4 bulbs (2x 9005, 2x H11)

8. WARRANTY AND SUPPORT

RCJ provides a **1-year manufacturer warranty** for these LED bulbs, covering defects in materials and workmanship under normal use.

For technical support, warranty claims, or if you require a Canbus decoder for sensitive vehicle models, please contact RCJ customer service through the platform where you purchased the product (e.g., Amazon message center). Please have your order details and product model number ready for faster assistance.

