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Eagle Eye Lights FR457-B101R

Eagle Eyes FR457-B101R Headlight User Manual

Model: FR457-B101R

PRODUCT OVERVIEW

The Eagle Eyes FR457-B101R Headlight is an OE-comparable replacement designed for factory assembly. It is SAE/DOT compliant, ensuring it meets safety standards. This product also meets and exceeds the highest national certification requirements, including ISO 9001:2000 and ISO/TS 16949:2009, guaranteeing quality and performance.



Figure 1: Front view of the Eagle Eyes FR457-B101R Headlight. This image shows the clear lens, the main bulb housing, and the amber turn signal reflector, all encased in a black housing with horizontal textured lines on the side.

SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and safety of your new headlight assembly. It is recommended that installation be performed by a qualified automotive technician.

Before You Begin:

- Ensure the vehicle's ignition is off and the battery is disconnected to prevent electrical shorts.
- Gather necessary tools, which typically include a ratchet, sockets, screwdrivers, and possibly trim removal tools.
- Verify that the replacement headlight (FR457-B101R) matches the original assembly for your vehicle.

Installation Steps:

1. **Remove Old Headlight:** Carefully remove any retaining clips, bolts, or screws securing the existing headlight assembly. Disconnect all electrical connectors from the bulbs and the main harness.
2. **Inspect Wiring:** Before installing the new unit, inspect the vehicle's wiring harness and connectors for any signs of corrosion or damage. Clean or repair as necessary.
3. **Connect New Headlight:** Connect the electrical connectors from the vehicle's harness to the new FR457-B101R headlight assembly. Ensure connections are secure.
4. **Position and Secure:** Carefully position the new headlight assembly into its mounting location. Secure it using the original retaining clips, bolts, or screws. Do not overtighten.
5. **Test Functionality:** Reconnect the vehicle's battery. Turn on the vehicle's lights (low beam, high beam, turn signals, parking lights) to ensure all functions of the new headlight are operating correctly.
6. **Aim Headlights:** After installation, it is highly recommended to properly aim the headlights to ensure optimal visibility and to avoid blinding oncoming traffic. Refer to your vehicle's service manual for specific aiming procedures.

OPERATING INSTRUCTIONS

The Eagle Eyes FR457-B101R Headlight operates in conjunction with your vehicle's existing electrical system and light controls. No special operating procedures are required for the headlight unit itself.

- **Low Beams:** Activated via your vehicle's standard headlight switch for normal driving conditions.
- **High Beams:** Activated via your vehicle's high beam switch for increased visibility when appropriate.
- **Turn Signals:** The integrated turn signal function will operate with your vehicle's turn signal lever.
- **Parking Lights:** The integrated parking light function will operate with your vehicle's parking light switch.

Always ensure your headlights are clean and unobstructed for maximum light output and safety.

MAINTENANCE

Regular maintenance of your headlight assembly will ensure its longevity and optimal performance.

- **Cleaning:** Periodically clean the outer lens of the headlight with a soft cloth and mild soap and water. Avoid abrasive cleaners or harsh chemicals, as these can damage the lens coating.
- **Inspection:** Regularly inspect the headlight assembly for any signs of cracks, moisture intrusion, or loose connections. Address any issues promptly.
- **Bulb Replacement:** If a bulb fails, replace it with a bulb of the correct type and wattage as specified by your vehicle manufacturer. Refer to your vehicle's owner's manual for bulb specifications and replacement procedures. Disconnect the battery before replacing bulbs.

- **Waterproof Feature:** While the headlight is designed to be waterproof, ensure that all seals and gaskets are properly seated after any maintenance or bulb replacement to maintain its integrity.

TROUBLESHOOTING

This section provides guidance for common issues you might encounter with your headlight assembly.

Problem	Possible Cause	Solution
Headlight not illuminating	Blown bulb Loose or corroded electrical connection Blown fuse Faulty wiring or switch	Replace bulb Check and secure connections; clean corrosion Check and replace fuse (refer to vehicle manual) Consult a qualified technician
Dim or flickering light	Weak electrical connection Aging bulb Voltage issue	Check and secure connections Replace bulb Have vehicle's electrical system checked
Moisture inside headlight	Compromised seal or crack Condensation (minor, temporary)	Inspect for damage; if severe, replacement may be necessary. For minor condensation, it should dissipate.

If the issue persists after attempting these solutions, it is recommended to seek assistance from a certified automotive technician.

SPECIFICATIONS

Feature	Detail
Model Number	FR457-B101R
Brand	Eagle Eye Lights
Part Position	Front (Passenger Side)
Lens Color	Clear
Special Feature	Waterproof
Compliance	SAE/DOT Compliant, ISO 9001:2800, ISO/TS 16949:2009
Assembly Required	No (comes as a complete assembly)
Item Weight	8.47 pounds
Package Dimensions	20.64 x 13.96 x 9.66 inches
UPC	889521005707

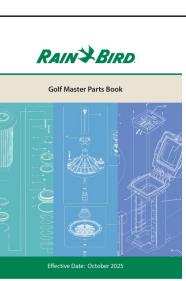
WARRANTY AND SUPPORT

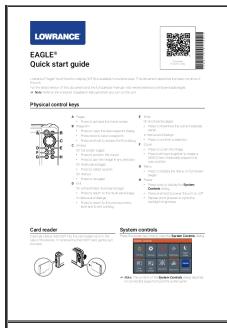
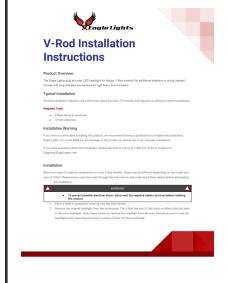
For warranty information and technical support regarding your Eagle Eyes FR457-B101R Headlight, please refer to the documentation provided with your purchase or contact Eagle Eye Lights customer service directly. It is recommended to retain your proof of purchase for warranty claims.

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This manual is for informational purposes only. Always follow vehicle manufacturer's guidelines.

Related Documents - FR457-B101R

	<p>Ducati LED Headlight Upgrade Instructions Eagle Lights</p> <p>Step-by-step installation guide for the Eagle Lights Ducati LED Headlight Upgrade Kit. Includes product overview, safety warnings, and installation procedures for Ducati motorcycles.</p>
	<p>RAIN BIRD EAGLE – Série: Manuál pro obsluhu a údržbu</p> <p>Kompletní manuál pro obsluhu a údržbu postřikovačů RAIN BIRD EAGLE série. Obsahuje tipy, nástroje, postupy pro nastavení, výměnu komponent a řešení běžných závad.</p>
	<p>Rain Bird Golf Master Parts Book - Comprehensive Component Catalog</p> <p>Detailed parts catalog for Rain Bird golf irrigation systems, including Eagle rotors, valves, controllers, and accessories. Find part numbers, diagrams, and ordering information.</p>
	<p>Lowrance Eagle Series Operator Manual: Your Guide to Advanced Marine Navigation</p> <p>Explore the Lowrance Eagle Series fishfinders and chartplotters with this comprehensive operator manual. Learn about basic operation, charts, sonar, navigation, and system settings for your Eagle 5, Eagle 7, and Eagle 9 units.</p>

	<p><u>Lowrance Eagle Quick Start Guide</u></p> <p>A quick start guide for the Lowrance Eagle multi-function display (MFD), covering physical controls, system controls, chart navigation, waypoint management, route creation, and sonar functionalities like Sonar, SideScan, and DownScan.</p>
	<p><u>V-Rod Installation Instructions Eagle Lights</u></p> <p>Step-by-step installation guide for the Eagle Lights plug-and-play LED headlight for Harley V-Rod models. Includes required tools, warnings, and troubleshooting tips.</p>