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> AKKON - Fits 2014 2015 2016 2017 Buick Regal Sedan HID/Xenon Stype Projector Chrome Headlight Driver Left Side Headlamp User Manual

AKKON 5-PRO-JH-BREG14-HID-L

AKKON Headlight User Manual

Fits 2014-2017 Buick Regal Sedan HID/Xenon Stype Projector Chrome Headlight (Driver Left Side)

PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your new AKKON projector headlight. This product is designed as a direct bolt-on replacement for the driver's side headlight on 2014-2017 Buick Regal Sedan models equipped with factory HID/Xenon headlights. It is not compatible with models that have factory halogen headlights.

- **Compatibility:** Specifically designed for 2014-2017 Buick Regal Sedan (Driver Left Side) with factory HID/Xenon headlights.
- **Installation:** Direct bolt-on replacement; no wiring or other modifications needed for installation.
- **Certifications:** DOT (Department of Transportation) & SAE (Society of Automotive Engineers) Approved, ensuring compliance with safety standards.
- **Design:** Features a chrome finish with projector optics for enhanced light output and LED Daytime Running Lights (DRLs) and LED turn signals.



Figure 1: Front view of the AKKON Projector Headlight, showcasing its chrome housing, projector lens, and integrated LED DRL strip.

SETUP AND INSTALLATION

The installation of automotive headlights can be complex and may require specialized tools and knowledge. **Professional installation is highly recommended** to ensure proper fitment, functionality, and safety. No detailed installation guide is included with the product.

General Installation Considerations:

- **Vehicle Preparation:** Ensure the vehicle's electrical system is off and the battery is disconnected before beginning installation.
- **Access:** Accessing the headlight assembly typically requires removal of the front bumper and grille, depending on the vehicle model.
- **Mounting Points:** The new headlight assembly is designed to bolt directly into the original mounting points.
- **Electrical Connections:** Connect the headlight's wiring harness to the vehicle's existing electrical connectors. Ensure all connections are secure and properly seated.
- **Bulb Installation:** If bulbs are not pre-installed, carefully insert the correct type of bulbs (e.g., HID/Xenon bulbs for the main beam, halogen for high beam if applicable) into their respective sockets.



Figure 2: Rear view of the headlight assembly, showing the various electrical connectors and mounting points. Ensure all connections are firm.

Post-Installation:

- **Functionality Test:** Before reassembling the bumper and grille, reconnect the battery and test all headlight functions: low beam, high beam, turn signal, and daytime running lights.
- **Beam Alignment:** Proper headlight beam alignment is crucial for safe driving and to avoid blinding oncoming traffic. This should be performed by a qualified technician using appropriate equipment.

OPERATION

Once installed, the AKKON projector headlight operates in conjunction with your vehicle's existing lighting controls.

Key Lighting Functions:

- **Daytime Running Lights (DRLs):** The integrated LED DRLs illuminate automatically when the vehicle is running,

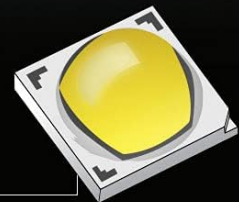
enhancing visibility during daylight hours.

- **Low Beam:** Activates the main projector headlight for standard nighttime driving.
- **High Beam:** Provides additional illumination for increased visibility when needed.
- **Turn Signals:** The integrated LED turn signals flash to indicate turns or lane changes.

DAYTIME RUNNING LIGHTS



LED / DRL Technology



Vehicles with dedicated Daytime Running Lights (DRLs) illuminated during daylight hours reduce the chances of a collision and improve safety.

Figure 3: The headlight with its Daytime Running Lights (DRLs) illuminated, providing enhanced visibility during the day.

LED TURN SIGNAL



LED Turn Signal

The LED DRL cluster dual functions as a turn signal as illustrated above. LED's run cooler, last longer and use less energy than typical incandescent bulbs making them ideal for automotive applications.

Figure 4: The LED Turn Signal activated, demonstrating its bright and clear indication for turns or lane changes.

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your headlight assembly.

- **Cleaning:** Clean the outer lens regularly with a soft cloth and mild automotive soap or glass cleaner. Avoid abrasive cleaners or harsh chemicals that could damage the lens material.
- **Inspection:** Periodically inspect the headlight for any signs of damage, cracks, or moisture accumulation inside the housing. Address any issues promptly.
- **Bulb Replacement:** If a bulb (e.g., high beam halogen bulb) needs replacement, refer to your vehicle's owner's manual for specific instructions. Ensure the correct bulb type and wattage are used. Handle bulbs by their base to avoid contaminating the glass.

PROJECTOR HEADLIGHTS



Built to last high quality constructed Projector



Quality German Made Lens

Projector Lens give you the maximum light output and increase visibility at night.



Halogen Headlight Bulbs

High Performance Halogen Headlight Bulbs increase forward distance visibility as well as peripheral width.

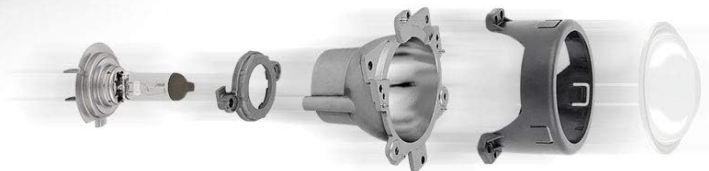


Figure 5: Exploded view showing the projector components and halogen headlight bulbs, illustrating parts that may require maintenance or replacement.

TROUBLESHOOTING

If you encounter issues with your AKKON headlight, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Headlight not illuminating	Loose electrical connection, blown fuse, faulty bulb, wiring issue.	Check all electrical connections. Inspect vehicle's fuse box for blown fuses. Test or replace bulbs. If issues persist, consult a professional.

Problem	Possible Cause	Solution
Flickering lights	Loose connection, incompatible bulb, voltage fluctuation, faulty ballast (for HID).	Ensure connections are secure. Verify bulb compatibility. Consult a professional for electrical system diagnosis.
Moisture inside headlight housing	Seal integrity compromised, condensation due to temperature changes.	Small amounts of condensation may dissipate. If persistent or excessive, inspect seals for damage. Professional resealing or replacement may be necessary.
Cracked housing or mounting tab	Impact damage, improper installation.	Physical damage typically requires replacement of the headlight assembly.

For complex electrical issues or if the problem cannot be resolved with these steps, it is recommended to seek assistance from a certified automotive technician.

SPECIFICATIONS

Attribute	Detail
Brand	AKKON
Model Number	5-PRO-JH-BREG14-HID-L
Vehicle Service Type	Car (Buick Regal Sedan 2014-2017)
Auto Part Position	Front Left (Driver Side)
Color	Chrome
Lens Color	Clear
Lens Material	Polycarbonate
Special Feature	Waterproof
Item Weight	28.3 pounds
Package Dimensions	31 x 14 x 13 inches
UPC	192744051520

WARRANTY AND SUPPORT

This product is typically covered by a return policy that allows for refund or replacement within 30 days of purchase. For specific warranty details, claims, or technical support, please contact the manufacturer directly.

Manufacturer: AKKON

For further assistance, please visit the official AKKON store or contact their customer service department through the retailer where the product was purchased.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question