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› AKKON Headlight Installation and Operation Manual for 2015-2019 Chevy Silverado 2500HD/3500HD

AKKON 5-HD-JH-CS15HD-OE-L-HD-JH-CS15HD-OE-R

AKKON Headlight Installation and Operation Manual

Model: 5-HD-JH-CS15HD-OE-L-HD-JH-CS15HD-OE-R | **Brand:** AKKON

For 2015-2019 Chevy Silverado 2500HD/3500HD (Factory Halogen Models Only)

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your new AKKON replacement projector headlights. These headlights are designed for direct fitment on 2015-2019 Chevrolet Silverado 2500HD and 3500HD models that originally came equipped with factory halogen headlights.

Please read this manual thoroughly before proceeding with installation or operation to ensure proper function and safety.



Image 1.1: AKKON Projector Headlights (Driver and Passenger Side)

2. SAFETY INFORMATION

Always prioritize safety when working on your vehicle. Failure to follow safety precautions can result in injury or damage to the vehicle.

- **Professional Installation Recommended:** Due to the complexity of automotive electrical systems, professional installation is highly recommended.
- **Disconnect Battery:** Before beginning any electrical work, disconnect the vehicle's negative battery terminal to prevent electrical shorts or shocks.
- **Wear Safety Gear:** Always wear appropriate personal protective equipment, such as safety glasses and gloves.
- **Wiring Modifications:** Wiring modifications may be necessary for halo and LED connections. Consult a local professional mechanic if you are unsure.
- **DOT & SAE Approved:** These headlights are DOT (Department of Transportation) and SAE (Society of Automotive Engineers) approved, ensuring they meet safety and quality standards.

3. PACKAGE CONTENTS

Your AKKON headlight package includes the following items:

- One (1) Driver Side Headlight Assembly
- One (1) Passenger Side Headlight Assembly

Note: Low Beam (H11) and High Beam (9005) bulbs are not included and must be purchased separately.

4. SETUP AND INSTALLATION

These headlights are designed for a direct fit, form, and function, facilitating a straightforward installation process. However, professional installation is strongly advised.

General Installation Steps (Consult a professional for detailed vehicle-specific instructions):

1. **Prepare Vehicle:** Park the vehicle on a level surface, engage the parking brake, and turn off the engine. Disconnect the negative terminal of the battery.
2. **Access Headlight Assembly:** Depending on your vehicle model, you may need to remove the grille, bumper, or fender liner to access the headlight mounting bolts and electrical connectors.
3. **Remove Old Headlight:** Unplug the electrical connectors from the existing headlight assembly. Remove any mounting bolts or clips securing the old headlight. Carefully pull the old headlight assembly out of its housing.
4. **Inspect New Headlight:** Before installation, visually inspect the new AKKON headlight assembly for any damage.
5. **Install New Headlight:** Carefully position the new AKKON headlight assembly into the vehicle's housing. Ensure all mounting tabs and alignment pins are correctly seated.
6. **Secure Headlight:** Reinstall all mounting bolts and clips removed in step 3. Tighten them securely, but do not overtighten.
7. **Connect Wiring:** Plug the vehicle's electrical connectors into the corresponding ports on the new headlight assembly. If your model requires additional wiring for halo or LED features, follow the specific instructions provided with those components or consult a professional.
8. **Repeat for Other Side:** Follow steps 2-7 for the other headlight assembly.
9. **Reconnect Battery:** Once both headlights are installed and secured, reconnect the negative battery terminal.
10. **Test Functionality:** Turn on the vehicle's lights (parking lights, low beams, high beams, turn signals) to ensure all functions are working correctly.
11. **Aim Headlights:** Proper headlight aiming is crucial for safe driving. After installation, have your headlights professionally aimed to ensure optimal visibility and to avoid blinding oncoming traffic.



Image 4.1: Rear view of AKKON Headlight with Wiring and SAE/DOT Certification

5. OPERATING INSTRUCTIONS

Your AKKON projector headlights operate in conjunction with your vehicle's existing lighting controls. Refer to your vehicle's owner's manual for specific instructions on operating your vehicle's lighting system.

- **Low Beams:** Activate your low beams for general driving, especially during dusk, dawn, rain, or fog.
- **High Beams:** Use high beams on unlit roads when no oncoming traffic is present. Dim your high beams when approaching or following other vehicles.
- **Turn Signals:** The integrated turn signals function with your vehicle's signal stalk.
- **Daytime Running Lights (DRL) / Halos (if applicable):** If your headlights include DRLs or halo rings, they will typically activate automatically with the vehicle's ignition or parking lights, depending on your vehicle's wiring configuration.



Image 5.1: Close-up of Projector Lens

6. MAINTENANCE

Proper maintenance will ensure the longevity and optimal performance of your AKKON headlights.

- **Cleaning:** Clean the headlight lenses regularly with a soft cloth and mild automotive glass cleaner. Avoid abrasive cleaners or harsh chemicals that can damage the lens material.
- **Bulb Replacement:** If a low beam (H11) or high beam (9005) bulb fails, replace it with a new bulb of the correct type and wattage. Refer to your vehicle's owner's manual or a professional for specific bulb replacement procedures, as access may require partial removal of the headlight assembly.
- **Waterproof Design:** These headlights feature a waterproof design to protect internal components from moisture ingress. However, avoid high-pressure washing directly onto the headlight seals.
- **Inspection:** Periodically inspect the headlight assemblies for any signs of damage, cracks, or loose connections.

Micro-Prism Reflectors

Light enters the outside smooth surface while the rear of surface tile forms an array of angled micro-prisms internally reflecting back light in the direction it came from.

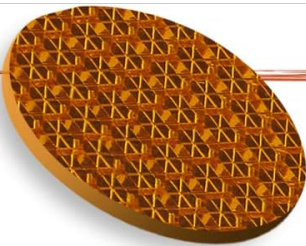


Image 6.1: Micro-Prism Reflectors for Enhanced Light Distribution

7. TROUBLESHOOTING

If you encounter issues with your AKKON headlights, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Headlight not working	Blown fuse, faulty bulb, loose electrical connection, wiring issue.	Check vehicle's fuse box for blown fuses and replace if necessary. Inspect bulb filaments and replace faulty bulbs. Ensure all electrical connectors are securely plugged in. Consult a professional for wiring diagnostics.
Headlight is dim or flickering	Low voltage, poor ground connection, faulty bulb, loose connection.	Check battery voltage. Inspect ground connections for corrosion or looseness. Replace bulb. Secure all electrical connections.

Problem	Possible Cause	Solution
Moisture inside headlight lens	Condensation (normal in some conditions), compromised seal.	Minor condensation often dissipates on its own. If excessive or persistent, inspect the headlight seals for damage. Ensure all caps and covers are securely in place. If seals are compromised, professional repair or replacement may be needed.
Improper light beam pattern	Incorrect aiming, improper installation.	Have headlights professionally aimed. Re-check installation to ensure the assembly is seated correctly.

If these steps do not resolve the issue, contact AKKON customer support or a qualified automotive technician.

8. SPECIFICATIONS

Feature	Detail
Brand	AKKON
Model Number	5-HD-JH-CS15HD-OE-L-HD-JH-CS15HD-OE-R
Compatible Vehicle Type	Truck (2015-2019 Chevy Silverado 2500HD/3500HD, Factory Halogen Models Only)
Light Source Type	Projector (Low Beam: H11 Excluded, High Beam: 9005 Excluded)
Lens Colour	Clear
Housing Colour	Chrome
Special Feature	Waterproof
Voltage	12 volts DC
Auto Part Position	Front
Unit Count	2 count (Driver and Passenger Side)
OEM Equivalent Part Numbers	84096573, GM2503416 (Left); 84096572, GM2502416 (Right)
GTIN / UPC	192744059236
Parcel Dimensions	63.5 x 53.34 x 27.94 cm; 12.47 kg

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any questions regarding your AKKON headlights, please contact the manufacturer or your point of purchase. Keep your purchase receipt as proof of purchase.

Manufacturer: AKKON

ASIN: B08NXZVCRS

