

AmeriLite 02-AZ-CO14-PBC-U

AmeriLite 2014-2015 Chevrolet Camaro Dual LED Projector Headlights Instruction Manual

Brand: AmeriLite | Model: 02-AZ-CO14-PBC-U

1. PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your AmeriLite Dual Super Bright LED Bar Dual Projector Black Headlights, designed specifically for 2014-2015 Chevrolet Camaro models without factory HID systems. These headlights feature high durability materials with UV and abrasive coating for protection against sunlight, ensuring long-lasting performance and light output. The integrated Super Bright LED Bar enhances visibility and vehicle presence.

The complete set includes both the driver (left) and passenger (right) side headlight assemblies. Manufactured by OEM-approved suppliers, these headlights meet or exceed strict OEM requirements for quality and safety.



Image 1: AmeriLite Dual LED Projector Headlights for 2014-2015 Chevrolet Camaro.

2. KEY FEATURES

- **Vehicle Compatibility:** Designed for 2014-2015 Chevrolet Camaro (NON-HID models only).
- **Safety Standards:** Meets or exceeds all U.S. and Canadian safety standards (DOT & SAE compliant).
- **Installation:** Direct OEM replacement, requiring no modification to the vehicle's existing structure.
- **Complete Set:** Includes both driver (left) and passenger (right) side headlight assemblies.
- **Durability:** Constructed with premium materials and features a UV and abrasive coating for enhanced longevity and protection against environmental elements.
- **Lighting Technology:** Dual Super Bright LED Bar and Dual Projector design for improved illumination and modern aesthetics.
- **Waterproof:** Engineered to be waterproof, providing reliable performance in various weather conditions.



Image 2: Detailed view of the headlight's features, including the turn signal, DOT/SAE compliance marking, and projector lens.

3. SETUP AND INSTALLATION

While these headlights are designed for direct OEM replacement and require no structural modification, professional installation is highly recommended. The installation process typically involves removing the front bumper to access and replace the factory headlight assemblies. Users unfamiliar with automotive electrical systems or vehicle bodywork should seek assistance from a qualified technician.

3.1 Pre-Installation Checklist

- Ensure vehicle is turned off and the battery is disconnected.
- Verify all components are present: Left and Right headlight assemblies.
- Gather necessary tools (e.g., screwdrivers, socket wrenches, trim removal tools).

3.2 Installation Steps (General Guidance)

1. Safely lift and support the front of the vehicle.
2. Carefully remove the front bumper to gain access to the existing headlight assemblies.
3. Disconnect the wiring harnesses and remove the old headlights.

4. Connect the new AmeriLite headlights to the vehicle's wiring harnesses.
5. Mount the new headlights securely in place.
6. Reinstall the front bumper and any other removed components.
7. Reconnect the battery.
8. Test all lighting functions (DRL, turn signals, low beam, high beam) before driving.

For a visual guide on the installation process, it is recommended to search for specific 2014-2015 Chevrolet Camaro headlight removal and installation videos on platforms like YouTube. Note that the product does not come with installation instructions, and professional installation is strongly advised.



Image 3: Rear view of the headlight assembly, highlighting bulb access points, adjusters, and electrical connectors.



Image 4: Illustration of the included bulbs: H7 for low and high beams, and the turn signal bulb.

4. OPERATING INSTRUCTIONS

The AmeriLite headlights integrate several lighting functions that operate in conjunction with your vehicle's existing electrical system. Ensure all connections are secure and properly made during installation.

4.1 Daytime Running Lights (DRL)

The integrated LED Bar functions as the Daytime Running Light, providing enhanced visibility during daylight hours. These lights typically activate automatically when the vehicle is started and the parking brake is disengaged, or as per your vehicle's factory DRL settings.

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Video 1: Demonstration of the AmeriLite U-Bar LED Black Headlight, showcasing the Daytime Running Lights and other functions.

4.2 Turn Signals

The turn signals operate as standard, indicating your intended direction of travel. Activate them using your vehicle's turn signal stalk. The amber light will flash to alert other drivers.

4.3 Low Beam and High Beam

The dual projector lenses provide both low beam and high beam illumination. Use the low beams for general driving conditions and switch to high beams for increased visibility on unlit roads, ensuring to dim them for oncoming traffic or when following another vehicle.



Image 5: The headlight with its high-intensity LED bar fully illuminated.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your headlights.

- **Cleaning:** Regularly clean the headlight lenses with a soft cloth and mild automotive soap or glass cleaner. Avoid abrasive cleaners or harsh chemicals that can damage the UV coating.
- **Inspection:** Periodically inspect the headlight assemblies for any signs of damage, cracks, or moisture intrusion. Check wiring connections for looseness or corrosion.
- **Bulb Replacement:** If a bulb (H7 for low/high beam, or turn signal bulb) needs replacement, refer to your vehicle's service manual for specific instructions on accessing and replacing bulbs. Ensure the replacement bulb matches the specified type.
- **Alignment:** If light output appears misaligned after installation or over time, consult a professional for headlight alignment to ensure proper beam pattern and road illumination.

6. TROUBLESHOOTING

If you encounter issues with your headlights, consider the following common troubleshooting steps:

- **Lights Not Working:**
 - Check all electrical connections to ensure they are secure.
 - Inspect vehicle fuses related to lighting.
 - Verify bulbs are correctly seated and not burnt out.
- **Flickering Lights:**
 - Ensure proper grounding of the headlight assembly.
 - Check for loose wiring connections.
- **Moisture Inside Lens:**
 - Small amounts of condensation can occur due to temperature changes and usually dissipate. If excessive moisture or water droplets are present, inspect the housing for cracks or improper sealing.
- **Dim or Uneven Light Output:**
 - Confirm correct bulb type and wattage.
 - Check for proper headlight alignment.
 - Ensure vehicle's charging system is functioning correctly.

If issues persist after basic troubleshooting, it is recommended to consult a professional automotive technician.

7. SPECIFICATIONS

Attribute	Detail
Brand	AmeriLite
Model Number	02-AZ-CO14-PBC-U
Vehicle Service Type	Car (2014-2015 Chevrolet Camaro, Non-HID)
Auto Part Position	Front
Color	Black
Lens Color	Black
Lens Material	Polycarbonate
Special Feature	Waterproof
Safety Rating	DOT Compliant, SAE Compliant
Assembly Required	Yes
Item Weight	16 pounds
Package Dimensions	27 x 25 x 21 inches

Attribute	Detail
OEM Part Numbers	23187851, 23187850, 23398035, 23398034
ABPA Partslink Numbers	GM2502391, GM2503391

8. WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation included with your product or contact AmeriLite customer support directly. Keep your proof of purchase for any warranty claims. For technical assistance or further inquiries, please visit the official AmeriLite website or contact their customer service department.