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› AKKON Headlight Lamps User Manual for 2012-2015 Toyota Tacoma

AKKON 5-444-TT12-LBDRL-BK

AKKON Headlight Lamps User Manual

For 2012-2015 Toyota Tacoma TRD Pickup Truck Black Bazel Dual LED DRL Projector Headlight Lamps

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your new AKKON Black Bazel Dual LED DRL Projector Headlight Lamps. These headlight assemblies are designed as a direct replacement for 2012-2015 Toyota Tacoma models, featuring a midnight black housing with crystal clear lenses and integrated LED Daytime Running Lights (DRLs).



Image 1.1: AKKON Headlight Lamps installed on a Toyota Tacoma, with a separate view of the product.

The product includes a pair of headlight replacement assemblies, never installed before, and comes in customized packaging.

2. SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical work to prevent electrical shock or damage to the vehicle's electrical system.
- Wear appropriate personal protective equipment, including safety glasses and gloves, during installation.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- If you are unsure about any step of the installation process, consult a qualified professional mechanic.
- Do not modify the headlight assemblies in any way, as this may compromise their performance and safety.

3. PACKAGE CONTENTS

Upon opening the customized packaging, please verify that all components are present and undamaged. The package should contain:

- One (1) Driver Side Headlight Assembly (Black Housing)
- One (1) Passenger Side Headlight Assembly (Black Housing)
- Necessary wiring harnesses for DRL and LED connections (may require modification)



Image 3.1: Top and bottom view of an AKKON Headlight Assembly.

4. SETUP AND INSTALLATION

Important Note: Installation of these headlight assemblies may require wiring modification for the Halo and LED connections. No detailed installation guide is included with the product. It is highly recommended to consult with a local professional mechanic for assistance or refer to vehicle-specific online resources (e.g., YouTube tutorials for 2012-2015 Toyota Tacoma headlight replacement) if performing the installation yourself.

4.1. General Installation Overview (Consult Professional Guidance)

1. **Preparation:** Park the vehicle on a level surface, engage the parking brake, and disconnect the negative terminal of the battery.
2. **Access:** Gaining access to the headlight mounting bolts typically requires removing the front grille and potentially loosening or removing parts of the wheel well liner. Some bolts may be accessible only through the wheel well.
3. **Removal of Old Headlights:** Carefully unbolt and disconnect the wiring harnesses from the existing headlight assemblies.
4. **Wiring Connections:** Connect the new AKKON headlight assemblies. This step may involve specific wiring for the LED DRLs and any halo features. Refer to the vehicle's wiring diagrams or professional guidance for correct connections.
5. **Mounting New Headlights:** Secure the new headlight assemblies in place using the original mounting points and hardware. Ensure a snug fit.
6. **Reassembly:** Reinstall the grille and any other components removed during the access phase.

7. **Testing:** Reconnect the battery. Test all lighting functions (low beam, high beam, DRLs, turn signals) before driving.
8. **Aiming:** Headlight aiming may be necessary after installation to ensure proper light distribution and avoid blinding oncoming traffic. This should be done by a professional.



Image 4.1: Front and rear view of the headlight assembly.



Image 4.2: Projector lens and rear wiring detail.



Image 4.3: LED DRL strip and wiring connections.

5. OPERATING INSTRUCTIONS

These AKKON headlight lamps are designed to function with your vehicle's existing lighting controls.

- **Daytime Running Lights (DRLs):** The integrated LED DRLs are designed to illuminate automatically when the vehicle is running, enhancing visibility during daylight hours.
- **Low Beam Headlights:** Activate your low beam headlights using your vehicle's standard headlight switch. These provide illumination for normal driving conditions.
- **High Beam Headlights:** Engage your high beam headlights for increased visibility in dark areas, following your vehicle's standard high beam activation method. Remember to dim your high beams for oncoming traffic.
- **Turn Signals:** The integrated turn signals will operate in conjunction with your vehicle's turn signal lever.



Image 5.1: Headlight assembly illuminated at night.



Image 5.2: Detail of illuminated DRLs and turn signal.

6. MAINTENANCE

- **Cleaning:** Clean the headlight lenses 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 assemblies for any signs of damage, cracks, or moisture intrusion. Ensure all wiring connections remain secure.
- **Bulb Replacement:** If a bulb (low beam, high beam, or turn signal) needs replacement, refer to your vehicle's owner's manual for the correct bulb type and replacement procedure. Access to the bulbs is typically from the rear of the headlight assembly.



Image 6.1: Rear view of headlight showing bulb access and bulb types.

7. TROUBLESHOOTING

- **Headlights Not Working:**

- Check vehicle fuses related to headlights.
- Verify all wiring connections are secure and properly made.
- Inspect bulbs for filament breaks.

• **DRLs Not Illuminating:**

- Ensure the vehicle is running, as DRLs typically activate with the ignition.
- Check specific DRL wiring connections for proper installation.

• **Moisture Inside Lens:**

- Small amounts of condensation can occur due to temperature changes and usually dissipate.
- If significant moisture or water accumulation is present, inspect the housing for cracks or improper sealing. This may indicate a defect or improper installation.

- **Wiring Issues:** If experiencing intermittent lighting or incorrect function, re-examine all wiring connections, especially those that required modification during installation. Professional assistance is recommended for complex electrical issues.

8. SPECIFICATIONS

Brand	AKKON
Model Number	5-444-TT12-LBDRL-BK
Compatibility	2012-2015 Toyota Tacoma (All Models)
Housing Color	Black Housing
Lens Color	Clear
Lens Material	Polycarbonate
Special Feature	New trend projector design with ultra-bright LED DRLs
Wattage	1.1E+2 (110W)
Item Weight	24.5 pounds (per pair)
Package Dimensions	25.5 x 22 x 16.25 inches
UPC	840960107933

9. WARRANTY INFORMATION

These AKKON Headlight Lamps come with a**90 Days Limited Warranty** from the date the item is delivered. This warranty covers manufacturing defects. Please retain your proof of purchase for warranty claims. The warranty does not cover damage due to improper installation, misuse, accidents, or normal wear and tear.

10. CUSTOMER SUPPORT

For further assistance with installation, troubleshooting, or warranty inquiries, it is recommended to:

- **Consult a Local Professional Mechanic:** Especially for complex wiring or installation procedures.
- **Refer to Online Resources:** Search for vehicle-specific installation guides or videos for your 2012-2015 Toyota

Tacoma.

- **Contact AKKON Support:** For product-specific questions or warranty claims, please refer to the contact information provided with your purchase or on the official AKKON website.

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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.

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