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› AKKON Headlight Installation and Operation Manual for 2005-2011 Toyota Tacoma (Model 5-444-TT05V2-LB-BSM)

AKKON 5-444-TT05V2-LB-BSM

AKKON Headlight Installation and Operation Manual

For 2005-2011 Toyota Tacoma (Model: 5-444-TT05V2-LB-BSM)

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your AKKON U-Tube Bar Halogen Type Projector Black Smoked Headlights designed for 2005-2011 Toyota Tacoma vehicles. Please read these instructions carefully before proceeding with installation or use to ensure proper function and safety.

SAFETY INFORMATION

- **Professional Installation Recommended:** Due to the complexity of automotive electrical systems and the importance of proper headlight alignment for safe driving, professional installation is highly recommended.
- **Off-Road/Show Use Only:** The smoke lens design of these headlights may reduce visibility. These headlights are intended for off-road or car show purposes only. Check local regulations regarding headlight tinting and usage on public roads.
- **Disconnect Battery:** Always disconnect the vehicle's negative battery terminal before performing any electrical work to prevent electrical shock or damage to the vehicle's electrical system.
- **Handle with Care:** Headlight assemblies contain delicate components. Handle them carefully to avoid damage.
- **Bulb Compatibility:** Ensure correct bulb types are used. Incorrect bulbs can cause damage to the headlight assembly or vehicle wiring.

PACKAGE CONTENTS

Your AKKON Headlight package includes the following:

- One (1) Driver Side Headlight Assembly
- One (1) Passenger Side Headlight Assembly
- Pre-installed Halogen Bulbs (specific type may vary, typically H1 for low/high beam)



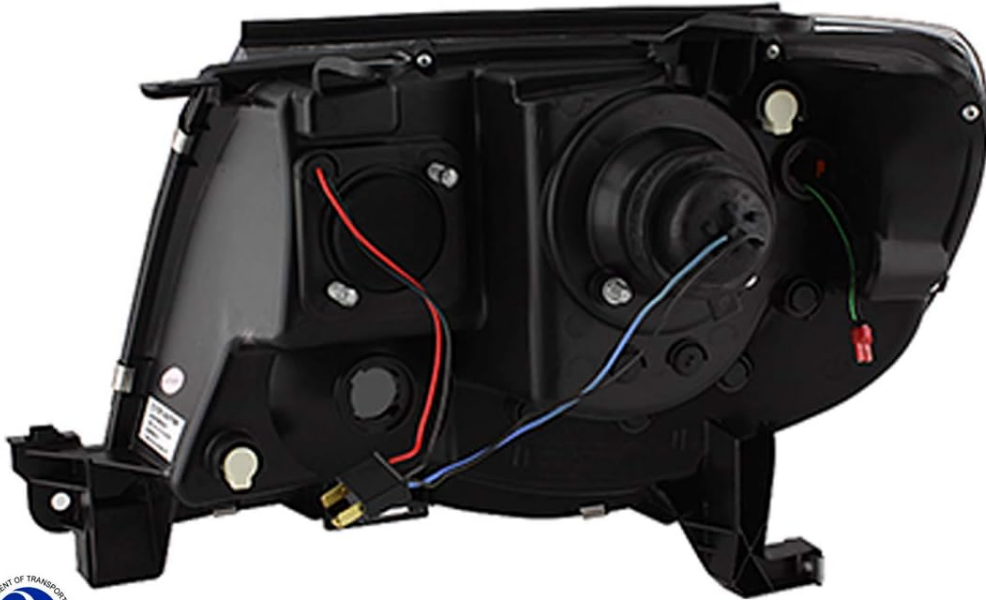
Image: Front view of the AKKON U-Tube Bar Halogen Type Projector Black Smoked Headlights, showing both driver and passenger side assemblies.

SETUP (INSTALLATION)

These headlights are designed as a direct bolt-on replacement for your original headlights. No wiring modifications are typically needed for basic functionality. However, professional installation is strongly recommended to ensure correct fitment, wiring, and beam alignment.

1. **Preparation:** Park the vehicle on a level surface, engage the parking brake, and turn off the engine. Disconnect the negative terminal of the vehicle's battery.
2. **Access Original Headlights:** Depending on your Toyota Tacoma model (2005-2011), you may need to remove the grille, bumper clips, or other trim pieces to access the headlight mounting bolts. Refer to your vehicle's service manual for specific removal procedures.
3. **Remove Original Headlights:** Unbolt the existing headlight assemblies and carefully disconnect the electrical connectors from the bulbs and housing.

4. **Install New Headlights:** Connect the electrical connectors from the vehicle's wiring harness to the new AKKON headlight assemblies. Ensure all connections are secure. Carefully position the new headlight assemblies into the vehicle's headlight buckets and secure them with the original mounting bolts.
5. **Reconnect Battery:** Once both headlights are securely installed and wired, reconnect the negative battery terminal.
6. **Test Functionality:** Turn on the vehicle's lights to test all functions: low beam, high beam, turn signals, and parking lights (U-Tube bar).
7. **Aim Headlights:** Proper headlight aiming is crucial for safe driving and to avoid blinding oncoming traffic. It is highly recommended to have your headlights professionally aimed after installation.



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Image: Rear view of the AKKON headlight assembly, illustrating the wiring harness connections for installation.



Image: Detailed view of the projector lens and the distinctive U-Tube LED bar within the headlight assembly.

OPERATING INSTRUCTIONS

These headlights operate like standard vehicle headlights. Use your vehicle's existing headlight switch to control the lighting functions.

- **Low Beams:** Activate your vehicle's low beam setting for normal driving conditions. The projector lens will provide the primary illumination.
- **High Beams:** Activate your vehicle's high beam setting for increased visibility when appropriate. Note that the low and high beams are split, with the inner light serving as the high beam.
- **U-Tube Bar:** The U-Tube bar typically functions as a daytime running light (DRL) or parking light, illuminating when your vehicle's parking lights or headlights are on.



Image: The AKKON headlight assembly with its U-Tube LED bar illuminated, demonstrating its appearance when active.

MAINTENANCE

- **Cleaning:** Clean the headlight lenses regularly with a soft cloth and mild automotive-specific cleaner. Avoid abrasive materials or harsh chemicals that could scratch or damage the lens.
- **Bulb Replacement:** If a bulb burns out, replace it with the correct type (e.g., H1 for low/high beam, if applicable). Refer to the specifications section or consult a professional for exact bulb types.
- **Waterproof Feature:** These headlights are designed to be waterproof. However, regularly inspect the seals and housing for any signs of damage or moisture intrusion, especially after extreme weather or car washes.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Headlight not illuminating	Blown fuse, faulty bulb, loose electrical connection, damaged wiring.	Check vehicle's fuse box for blown headlight fuses. Inspect bulb filaments and replace if necessary. Verify all electrical connectors are securely attached. Inspect wiring for cuts or damage.
Dim light output	Incorrect bulb type, low wattage bulbs, dirty lens, poor electrical connection.	Ensure correct bulb types are installed. Consider upgrading to higher quality halogen or LED bulbs (ensure compatibility). Clean the headlight lens. Check electrical connections for corrosion.
Moisture inside headlight	Condensation (normal in some conditions), damaged seal, improper installation.	Small amounts of condensation usually dissipate. If excessive or persistent, inspect the headlight seals for damage. Ensure the rear caps are securely fastened. Re-installation may be required if seals are compromised.
U-Tube bar not working	Loose connection, faulty LED, wiring issue.	Check the specific wiring connection for the U-Tube bar. If the issue persists, professional diagnosis may be required.

SPECIFICATIONS

Brand	AKKON
Model Number	5-444-TT05V2-LB-BSM
Compatible Vehicle	2005-2011 Toyota Tacoma (Truck)
Light Source Type	Halogen (Projector Type)
Lens Material	Polycarbonate
Lens Colour	Smoke
Special Feature	Waterproof
Wattage	55 watts (per bulb, typical)
Assembly Required	Yes (installation into vehicle)
UPC	192744047394
GTIN	192744047394



Image: Close-up view of the headlight lens, showing the SAE DOT compliance markings.

WARRANTY INFORMATION

Specific warranty details for AKKON products are typically provided by the retailer or manufacturer at the time of purchase. Please retain your proof of purchase. For detailed warranty terms and conditions, contact the seller from whom you purchased these headlights or refer to the official AKKON website.

SUPPORT

For technical assistance, installation questions, or troubleshooting beyond the scope of this manual, please contact the seller or the manufacturer, AKKON. Provide your product model number (5-444-TT05V2-LB-BSM) and proof of purchase when seeking support.

Manufacturer: AKKON

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.

Name

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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