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› AKKON Sequential LED Projector Headlights User Manual for Toyota Tacoma (2016-2023)

AKKON 9-P1TTA16BS

User Manual: AKKON Sequential LED Projector Headlights

Model: 9-P1TTA16BS | For 2016-2023 Toyota Tacoma TRD/Limited

1. INTRODUCTION

Thank you for choosing AKKON Sequential LED Tube Design Smoked Lens Square Projector Headlights. This manual provides essential information for the proper installation, operation, and maintenance of your new headlights. These headlights are designed specifically for 2016-2023 Toyota Tacoma TRD/Limited models, featuring a modern black smoke housing and advanced LED lighting technology.



Figure 1: AKKON Sequential LED Projector Headlights (Pair)

Please read this manual thoroughly before proceeding with installation or use to ensure optimal performance and safety.

2. SAFETY INFORMATION

Always prioritize safety when working with automotive components. Failure to follow these safety guidelines may result in injury or damage to your vehicle.

- **Disconnect Battery:** Before beginning any electrical work, always disconnect the vehicle's negative battery terminal to prevent electrical shock or short circuits.
- **Professional Installation Recommended:** While these headlights are designed for plug-and-play installation, professional installation by a qualified technician is highly recommended to ensure correct wiring, aiming, and functionality.
- **Proper Aiming:** After installation, ensure the headlights are properly aimed according to local regulations to prevent blinding oncoming drivers and to provide adequate road illumination.
- **Handle with Care:** Headlight assemblies contain delicate components. Handle them carefully to avoid damage to the lens or internal parts.
- **Smoked Lens Warning:** The smoked lens design may reduce light output and visibility. These headlights are intended for off-road or car show purposes only in some jurisdictions. Verify local laws and regulations regarding aftermarket lighting.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and undamaged:

- AKKON Sequential LED Projector Headlight Assembly (Driver Side)
- AKKON Sequential LED Projector Headlight Assembly (Passenger Side)
- Installation Guide (This manual)

If any items are missing or damaged, please contact AKKON customer support immediately.

4. SETUP AND INSTALLATION

These AKKON headlights are designed for a direct, plug-and-play replacement, requiring no modification to your vehicle's existing wiring. The installation process generally involves removing the original headlights and connecting the new units.

4.1. Tools Required

- Socket Wrench Set
- Screwdriver Set (Phillips and Flathead)
- Plastic Trim Removal Tool (Optional, but recommended)

4.2. Installation Steps

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 vehicle's battery.
2. **Access Headlights:** Depending on your Toyota Tacoma model year (2016-2023), you may need to remove the front grille, bumper cover, or fender liner to access the headlight mounting bolts. Refer to your vehicle's service manual for specific instructions on removing these components.
3. **Remove Old Headlights:** Locate and remove all mounting bolts and clips securing the factory headlight assembly. Carefully pull the headlight assembly away from the vehicle.

4. **Disconnect Wiring:** Disconnect all electrical connectors from the rear of the factory headlight assembly.
5. **Install New Headlights:** Connect the electrical harnesses of the AKKON headlight assembly to the vehicle's corresponding connectors. Ensure all connections are secure.



Figure 2: Rear view of headlight with wiring connectors

6. **Secure Headlights:** Carefully position the new AKKON headlight assembly into the vehicle's headlight opening. Reinstall all mounting bolts and clips, ensuring the headlight is firmly secured.
7. **Reassemble Vehicle:** Reinstall any removed grille, bumper cover, or fender liner components.
8. **Reconnect Battery:** Reconnect the negative terminal of the vehicle's battery.
9. **Test Functionality:** Turn on the vehicle's ignition and test all headlight functions: low beam, high beam, daytime running lights (DRL), and sequential turn signals.
10. **Aim Headlights:** Adjust the headlight aim as necessary to ensure proper light distribution and compliance with local regulations.



Figure 3: AKKON Headlights installed on a Toyota Tacoma

5. OPERATING INSTRUCTIONS

Your AKKON Sequential LED Projector Headlights offer enhanced lighting features for your Toyota Tacoma.

5.1. Lighting Functions

- **Low Beam:** Provides standard forward illumination for normal driving conditions.
- **High Beam:** Offers increased forward illumination for improved visibility in dark areas.
- **Daytime Running Lights (DRL):** The integrated LED tube design illuminates as DRLs, enhancing vehicle visibility during daylight hours.



Figure 4: Headlight with DRL illuminated

- **Sequential Turn Signals:** The amber LED tube illuminates in a dynamic, sequential pattern to indicate turns or lane changes.



Figure 5: Headlight with sequential turn signal illuminated

5.2. Projector Lens Technology

The projector lens design provides a more focused and controlled light beam compared to traditional reflector-style headlights, improving light distribution and reducing glare for oncoming traffic.



Figure 6: Close-up of the projector lens

6. MAINTENANCE

Proper maintenance will help prolong the life and maintain the appearance of your AKKON headlights.

- **Cleaning:** Clean the headlight lenses regularly with a soft cloth and mild automotive soap or a dedicated plastic cleaner. Avoid abrasive cleaners or harsh chemicals, as these can damage the lens material.
- **Inspection:** Periodically inspect the headlight assemblies for any signs of damage, cracks, or loose connections. Address any issues promptly.
- **Waterproof Design:** These headlights feature a waterproof design to protect internal components from moisture. However, avoid high-pressure washing directly at the seals.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Headlights not illuminating	Loose electrical connection Blown fuse Faulty wiring	Check all electrical connections at the headlight and vehicle harness. Inspect vehicle's fuse box for a blown headlight fuse and replace if necessary. Consult a professional technician for wiring diagnosis.

Problem	Possible Cause	Solution
Flickering lights	Loose connection Voltage fluctuation	Ensure all connections are tight. Check vehicle's charging system and battery.
Condensation inside lens	Temperature changes Minor seal breach	Small amounts of condensation are normal and should dissipate. Ensure vent caps are clear. If excessive or persistent, inspect seals for damage.
Sequential turn signal not working	Incorrect wiring Module malfunction	Verify turn signal wiring connections. If issue persists, professional diagnosis may be required.

For issues not covered here or if troubleshooting steps do not resolve the problem, please contact AKKON customer support or a certified automotive technician.

8. SPECIFICATIONS

Feature	Detail
Brand	AKKON
Model Number	9-P1TTA16BS
Vehicle Compatibility	2016-2023 Toyota Tacoma TRD/Limited
Housing Color	Black Smoke Housing
Lens Color	Smoke
Lens Material	Polycarbonate
Lighting Type	Sequential LED Tube Design, Projector Headlights
Wattage	55 watts
Special Feature	Waterproof
Auto Part Position	Front
Item Weight	26.1 pounds (for the pair)
Package Dimensions	27 x 26 x 14 inches
UPC	192744059731

Feature	Detail
ABPA Partslink Number	TO2502244, TO2503244

9. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the warranty documentation included with your purchase or contact AKKON directly. Warranty terms and conditions may vary.

If you require technical assistance, have questions about installation, or need to report a product issue, please contact AKKON customer support through their official website or the retailer from whom you purchased the product.

AKKON Contact Information: Please visit the official AKKON website or refer to your purchase invoice for the most current contact details.

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

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

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