

VLAND YAB-KMR-0192 RC

VLAND LED Tail Lights for Toyota Camry 2007-2011

Installation and Operation Manual

1. INTRODUCTION

Thank you for choosing VLAND LED Tail Lights. This manual provides essential information for the proper installation, operation, and maintenance of your new tail light assembly. Please read these instructions carefully before proceeding with installation to ensure safe and correct usage.

Product Compatibility:

- **Compatible with:** Toyota Camry models 2007-2011.
- **Specific Models:** 2007 Camry CE Sedan 4-Door, 2008-2011 Camry SE / XLE Sedan 4-Door, 2009-2011 Camry Base Sedan 4-Door.
- **Important Note:** Not compatible with LE Models and Hybrid models equipped with factory LED rear lights. Some SE models may require trimming of the bulb holes for proper fitment.

2. SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical work to prevent electrical shock or damage.
- Wear appropriate personal protective equipment, such as gloves and eye protection, during installation.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- If you are unsure about any part of the installation process, seek professional assistance.
- Keep all original packaging, labels, and user manuals for future reference, especially for warranty claims.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before beginning installation.

- VLAND LED Tail Light Assembly (Driver Side)
- VLAND LED Tail Light Assembly (Passenger Side)
- Short Wire Harness
- Long Wire Harness

- Waterproof Pad (pre-installed or included separately)
- *Note: Reverse and turn signal bulbs are not included. You will need to re-use your vehicle's stock bulbs for these functions.*

4. SETUP AND INSTALLATION

These tail lights are designed for OEM direct fitment. However, some steps require careful attention.

Tools Required (Not Included):

- Basic automotive hand tools (e.g., screwdriver set, socket wrench set)
- Wire strippers/crimpers (if splicing is required for specific models)
- Heat gun or hairdryer (for sealing waterproof pad, if necessary)

Installation Steps:

1. **Preparation:** Park your vehicle on a level surface and engage the parking brake. Disconnect the negative terminal of the vehicle's battery.
2. **Remove Old Tail Lights:** Carefully remove the screws or fasteners holding the existing tail light assembly in place. Disconnect the wiring harnesses and remove the old assembly.
3. **Transfer Stock Bulbs:** Transfer the reverse and turn signal bulbs from your original tail light assembly to the designated bulb holes on the new VLAND LED Tail Lights. Ensure they are securely seated.
4. **Wiring Connections:**
 - Connect the provided short wire harness to the plug for the brake light.
 - Connect the provided long wire harness to the plug for the brake light.
 - For 2007-2010 models, connect the running/brake light plug to the appropriate connector.
 - For 2011 models, connect the running/brake light plug to the appropriate connector.
 - Connect the main wiring harness from the new tail light assembly to the vehicle's factory harness.
 - *Note: Some users have reported needing to splice wires for certain models. If the plugs do not match, professional installation is recommended.*
5. **Waterproof Pad:** Ensure the waterproof pad is properly sealed around the connections to prevent moisture ingress. If necessary, use a heat gun or hairdryer to ensure a tight seal.
6. **Install New Tail Lights:** Carefully position the new VLAND LED Tail Light assembly into the vehicle's tail light opening. Secure it with the original screws or fasteners. Do not overtighten.
7. **Test Functionality:** Reconnect the vehicle's battery. Test all light functions: running lights, brake lights, turn signals, and reverse lights.
8. **Final Check:** Ensure all lights are working correctly and there are no gaps or loose connections.



Figure 4.1: Overview of tail light installation with wire harness connections.



Figure 4.2: Detailed wiring connections for the VLAND LED Tail Lights. Note the specific plugs for different functions and model years.

5. OPERATING INSTRUCTIONS

The VLAND LED Tail Lights integrate multiple lighting functions for enhanced visibility and safety.

Light Functions:

- **LED Running Light:** Provides a continuous, bright light for improved visibility during normal driving conditions. Features a modern fiber optic style.
- **Brake Light:** Illuminates brightly when the brake pedal is pressed, signaling deceleration to following vehicles.
- **Turn Signal (Amber):** Flashes to indicate a turn or lane change. Uses your vehicle's stock amber bulb.
- **Reverse Light:** Illuminates when the vehicle is in reverse gear, providing visibility for backing up. Uses your vehicle's stock reverse bulb.



Figure 5.1: Illustration of VLAN LED Tail Light functions.

Your browser does not support the video tag.

Video 5.1: Demonstration of VLAN LED Tail Light functions (running light, brake light). Note: This video features the smoked variant, but the functionality is identical to the red clear variant.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your VLAN LED Tail Lights.

- **Cleaning:** Clean the tail light lenses regularly with a soft cloth and mild automotive cleaner. Avoid abrasive materials or harsh chemicals that could damage the lens.
- **Waterproof Seal:** Periodically inspect the waterproof seal around the tail light assembly. Ensure there are no gaps or cracks that could allow moisture to enter. Re-seal if necessary.
- **Bulb Replacement:** If a stock turn signal or reverse bulb fails, replace it with an equivalent bulb type according to your vehicle's specifications.
- **General Inspection:** Regularly check for any loose connections or physical damage to the assembly.

Addressing Condensation/Fogging:

Condensation can occasionally occur inside light assemblies due to temperature changes. Here are methods to address it:

- **Heat Application:** Apply heat to the lens using a hairdryer or heat gun (on a low setting) to help evaporate the moisture.
- **Sunlight Exposure:** If a heating element is unavailable, remove the bulbs and dust caps, then park the vehicle in direct sunlight. This can help dry out the condensation.
- **Preventative Measures:** To combat condensation in areas with limited sunlight, keep the vehicle away from water sources. This includes avoiding car washes or heavy rain exposure when possible. Allow the lights to dry naturally over time.

➤ THOROUGHLY TESTED

Before it goes in the box, each fiber optic LED tail light assembly is thoroughly tested to ensure it is functional and will keep you driving in style for miles to come.



➤ LED DISPLAY

VLAND LED tail lights equipped with fiber optic cables, illuminated with supremely durable and efficient LED light bars, provide a supremely bright neon-like glow.



➤ NOTE:

Easy Install - OEM Direct Fitment, Plug and Play
Bulb Needed- Turn Signal & Reverse Bulbs
(Re-use stock bulbs)

Waterproof Pad- Seal the waterproof pad and make sure there is no gaps to prevent moisture.

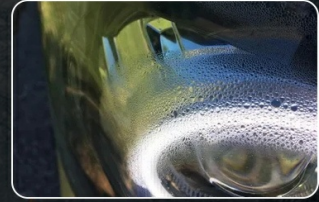


Figure 6.1: VLAND LED Tail Lights are designed with IP67 waterproof, dust-proof, and shock-proof features.

HOW DO I CLEAR FOGGY HEADLIGHTS/TAILLIGHTS ?

✓ You can applying heat to the assemblies, use a hairdryer or a heat gun to up the lenses, hoping that the condensation then dries out.

✓ If don' t have a heating element, you can also try using the sun. Remove the headlight bulbs and the dust cap then park in direct sunlight to recreate the same effects from above.



✓ If you're trying to combat condensation in a place without a lot of sunlight or natural heat to help, the next best solution is to keep the vehicle away from water. This includes when it rains or even taking it through a car wash. Let the headlights/ taillights dry out on their own time.

Figure 6.2: Tips for clearing condensation or fogging in tail lights.

7. TROUBLESHOOTING

If you encounter issues with your VLAN LED Tail Lights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights not illuminating	Loose wiring connection, incorrect wiring, blown fuse, faulty bulb (for stock bulbs).	Check all wiring connections for tightness. Verify correct wiring according to the diagram. Inspect vehicle fuses. Replace stock bulbs if faulty.
Condensation inside lens	Temperature fluctuations, improper sealing of waterproof pad.	Refer to the "Addressing Condensation/Fogging" section in Maintenance. Ensure waterproof pad is sealed correctly.
Improper fitment	Vehicle model incompatibility, obstruction.	Confirm compatibility with your specific Camry model (2007-2011, not LE/Hybrid with factory LED). For some SE models, trimming bulb holes may be necessary.

If the issue persists after attempting these solutions, please contact VLAN customer support for further assistance.

8. SPECIFICATIONS

Feature	Detail
Model Number	YAB-KMR-0192 RC
Brand	VLAN
Color	Red Clear
Vehicle Service Type	2007-2011 Toyota Camry (CE, SE, XLE, Base Sedan 4-Door)
Light Source Type	LED (for running/brake lights)
Voltage	12 Volts (DC)
Wattage	35 watts

Feature	Detail
Auto Part Position	Rear
Lens Material	Polycarbonate
Special Features	Waterproof (IP67), Dust-proof, Shock-proof
OEM Part Numbers	8156006240, 8155006240, 8159106120, 8159133140
Partslink Numbers	TO2818129, TO2819129

9. WARRANTY INFORMATION

VLAND products are covered by a warranty against defects in materials and workmanship.

- **Warranty Period:** One (1) Year from the original purchase date.
- **Coverage:** This warranty covers any VLAND product found to be defective during the specified period.
- **Exclusions:** The warranty does not cover damage caused by improper installation, accident, misuse, abuse, neglect, or unauthorized modifications.

10. CUSTOMER SUPPORT

For any questions, concerns, or warranty claims, please contact VLAND customer support.

- **When contacting support, please provide:**
 - Your product label.
 - Video and/or picture proof clearly showing the defect or issue.
 - Proof of purchase (e.g., order number, receipt).
- **Important:** Retain all boxes, labels, and user manuals received with your package.