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› [VLAND](#) /

› [VLAND LED Tail Lights Instruction Manual for Dodge Ram 1500 \(2009-2018\), Ram 2500/3500 \(2010-2018\), and Ram 1500 Classic \(2019-2024\)](#)

VLAND YHB-DG-8086A

VLAND LED Tail Lights Instruction Manual

Compatible with Dodge Ram 1500 (2009-2018), Ram 2500/3500 (2010-2018), and Ram 1500 Classic (2019-2024)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your new VLAND LED Tail Lights. These tail light assemblies are designed to enhance the rear lighting of your vehicle with advanced LED technology and dynamic features. Please read this manual thoroughly before installation and operation to ensure proper function and safety.

2. PRODUCT FEATURES

- **Dynamic Animation DRL:** Features a breathing light and choreographed sequence upon vehicle lock/unlock.
- **Amber Switchback Turn Signals:** Full LED turn signals with amber illumination.
- **Full LED Output:** No additional bulbs required for running, brake, reverse, or turn signal functions.
- **Weatherproof Construction:** Designed to withstand rigorous weather conditions, sealed against moisture and dust (IP67 rated).
- **Easy Installation:** Plug-and-play design with direct replacement for factory units. Professional installation is recommended.

3. VEHICLE COMPATIBILITY

These VLAND LED Tail Lights are compatible with the following models:

- Fourth Generation Dodge Ram 1500: 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018
- Ram 1500 Classic: 2019, 2020, 2021, 2022, 2023, 2024
- Ram 2500/3500: 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018

Note: Fits all models (Factory Halogen & LED).

4. PACKAGE CONTENTS

The package typically includes:

- VLAND LED Tail Light Assemblies (Left and Right)
- Necessary Wiring Harnesses
- Installation Instructions

5. INSTALLATION INSTRUCTIONS

Professional installation is recommended for optimal results. Follow these general steps for installation:

5.1. Pre-Installation

- Ensure the vehicle is turned off and the parking brake is engaged.
- Gather necessary tools (e.g., screwdriver, wrench).

5.2. Step-by-Step Guide

1. Remove the existing tail light assembly by unscrewing the retaining bolts.
2. Carefully disconnect the factory wiring harness from the old tail light.
3. Connect the new VLAND LED Tail Light assembly to the vehicle's wiring harness. Ensure all connections are secure.
4. Mount the new tail light assembly into position and secure it with the retaining bolts.
5. Repeat the process for the other side.
6. Test all light functions (running lights, brake lights, turn signals, reverse lights) before final use.

TRANSFER-WIRE INSTALLATION INSTRUCTIONS



STEP1
Take out the transfer wires from the packing box.



STEP2
Remove the lamp holder by pressing the position indicated by the arrow.



STEP3
Lamp holder removed.



STEP7
Push on the red carabiner.



STEP8
Plug the lamp holder into the T10 plug from the lamp.



STEP9
Screw the lamp holder onto the lamp body.



STEP4
Plug the lamp holder into the T10 plug from the lamp.



STEP5
Screw the lamp holder onto the lamp body.



STEP6
The pair of plugs on the harness plugs into the light holder.



STEP10
Plug in the single pin insert, put on the protective sleeve.



STEP11
Pluck off the pair of plugs in the image above.



STEP12
Installation completed.

Image: VLAND LED Tail Light with sequential turn signal indicator.



Dodge Ram 1500 2500 3500 2009-2018

TAILLIGHT

Image: VLAND LED Tail Lights installed on a Dodge Ram truck.

5.3. Installation Video

Video: Installation guide for FIONE tail lights on a 2019 Ram. This video demonstrates a similar installation process for LED tail lights on a Ram truck, providing visual aid for general steps.

6. OPERATING INSTRUCTIONS

The VLAND LED Tail Lights operate automatically with your vehicle's existing lighting controls. Here's how the different functions appear:

- **Running Lights:** Illuminate with a dynamic animation sequence when activated.
- **Brake Lights:** Bright red illumination when the brake pedal is pressed.
- **Turn Signals:** Amber sequential illumination indicating turns.
- **Reverse Lights:** Bright white illumination when the vehicle is in reverse.

DYNAMIC ANIMATION



DYNAMIC ANIMATION comes to life when you lock or unlock the vehicle. A breathing light and choreographed sequence of light in motion greets you upon your arrival or bids you farewell.

Image: Illustration of various light functions: Running Light (with Dynamic Animation), Brake Light, Light Off, Reverse Light, and Turn Signal with Sequential animation.

6.1. Operation Videos

Video: Demonstrates OLED Tail Lights with sequential turn signals and 3D dynamic animation for Dodge Ram, showcasing the light patterns.

Video: Shows LED Taillights for Dodge Ram 1500 2500 3500 09-18, highlighting dynamic animation and various light functions.

Video: Illustrates Brake Stop and Reverse Light functions for 2009-2018 Dodge RAM tail lights.

7. MAINTENANCE

To ensure the longevity and optimal performance of your VLAND LED Tail Lights, follow these maintenance guidelines:

- Regularly clean the tail light lenses with a soft cloth and mild automotive cleaner to remove dirt and debris.
- Avoid using abrasive cleaners or harsh chemicals that could damage the lens or housing.
- Periodically inspect the wiring and connections for any signs of wear or damage.

7.1. Addressing Moisture/Fogging

Moisture or fogging inside the tail light assembly can occur due to temperature changes or environmental factors. Here are some tips:

- **Apply Heat:** Gently apply heat to the lenses using a hairdryer or heat gun to help dry out condensation.
- **Sunlight Exposure:** Park your vehicle in direct sunlight to naturally dry out the moisture.
- **Keep Dry:** If condensation persists, ensure the vehicle is kept away from excessive water exposure, such as during heavy rain or car washes. Allow the lights to dry out naturally over time.

HOW DO I CLEAR FOGGY HEADLIGHTS/TAILLIGHTS?

✓ One of the first suggestions you'll read or hear will be applying heat to the assemblies. You can use a hairdryer or a heat gun to up the lenses, hoping that the condensation then dries out.

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



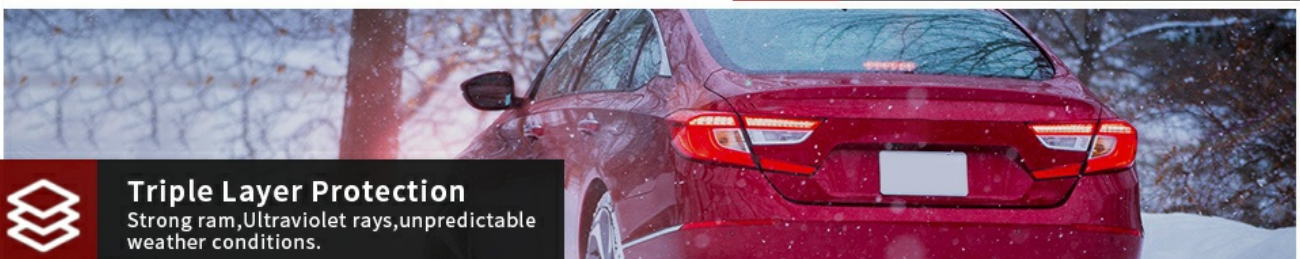
✓ If you're trying to combat condensation in a place without a lot of sunlight or natural heat to help, the next best solution is to keep the vehicle away from water. This includes when it rains or even taking it through a car wash. Let the headlights/ taillights dry out on their own time.

Image: Explanation of moisture ingress in lights.



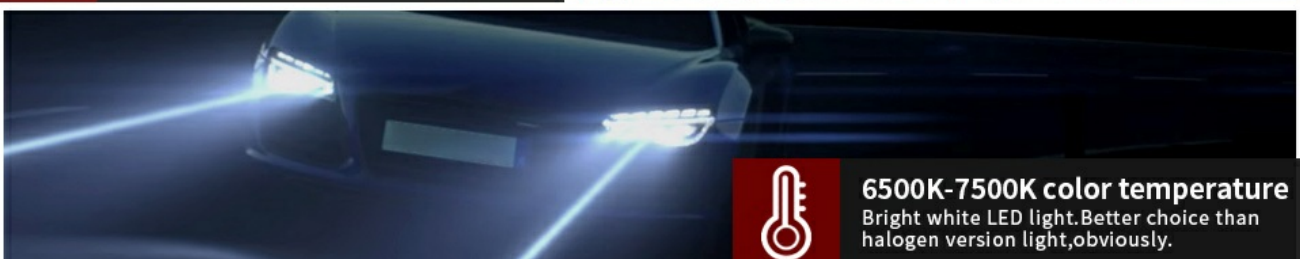
IP67 Weatherproof

Premium sealant used to prevent condensation.



Triple Layer Protection

Strong ram, Ultraviolet rays, unpredictable weather conditions.



6500K-7500K color temperature

Bright white LED light. Better choice than halogen version light, obviously.

8. TROUBLESHOOTING

If you encounter any issues with your VLAND LED Tail Lights, consider the following:

- **Lights Not Functioning:** Double-check all wiring connections to ensure they are secure and properly seated. Verify that the vehicle's fuses related to the tail lights are intact.
- **Error Messages:** Some vehicles may display error messages if the new LED lights draw different power than the original halogen bulbs. This may require additional resistors (if not already integrated) or specific vehicle programming. Consult a professional if issues persist.
- **Defective Product:** In the event merchandise is damaged or becomes defective, please refer to the Warranty and Support section.

9. SPECIFICATIONS

Feature	Detail
Brand	VLAND
Model Number	YHB-DG-8086A
Exterior	09-18 Red Lens w/Animation(Taillights)
Position	Rear
Bulb Type	LED
Special Features	3D Scanning Animation DRL (Red), Amber Switchback Turn Signals, Easy Installation, Plug and Play, Weatherproof, Dustproof, Shockproof
Voltage	12 Volts (DC)
Wattage	55 watts
Item Weight	4.54 kg
Country of Origin	China

10. WARRANTY AND SUPPORT

Please retain all packaging, labels, and user manuals upon receipt of your product. In the event that merchandise is damaged, becomes defective, or needs to be returned, please contact VLAND customer support. Be prepared to provide the product label, video, and picture proof that clearly shows the defect to facilitate the support process. For further assistance, please visit the [VLAND Store on Amazon](#).