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WEELMOTO DGPU0250

WEELMOTO Tail Lights Assembly User Manual

For 2002-2006 Dodge Ram 1500, 2500, 3500 Pickup Trucks

1. PRODUCT OVERVIEW

This manual provides instructions for the installation, operation, and maintenance of the WEELMOTO Tail Lights Assembly. This product is designed as a direct replacement for the original tail lights on compatible vehicles, ensuring proper fit and function.

1.1. Compatibility

- 2002-2006 Dodge Ram 1500 Pickup
- 2003-2006 Dodge Ram 2500 Pickup
- 2003-2006 Dodge Ram 3500 Pickup

Note: This assembly is for the driver and passenger side rear of the vehicle. Bulbs are not included; please use your vehicle's stock bulbs for installation.



Image 1.1: WEELMOTO Tail Lights Assembly (Pair). This image displays both the driver and passenger side tail light assemblies, featuring a red lens, black housing, and red reflector, ready for installation.

2. PACKAGE CONTENTS

- One (1) Driver Side Tail Light Assembly
- One (1) Passenger Side Tail Light Assembly

3. SAFETY INFORMATION

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

- Ensure the vehicle is parked on a level surface and the parking brake is engaged.
- Turn off the vehicle's engine and disconnect the negative terminal of the battery to prevent electrical shorts.
- Wear appropriate personal protective equipment, such as safety glasses and gloves.
- Allow any hot components to cool down before handling.

- If you are unsure about any step, consult a qualified automotive technician.

4. INSTALLATION INSTRUCTIONS

The WEELMOTO Tail Lights Assembly features a plug-and-play design for straightforward installation. No modifications to the vehicle's wiring are typically required.

4.1. Tools Required

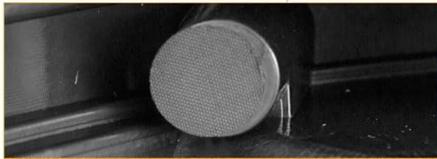
- Basic hand tools (e.g., screwdriver set, socket wrench set)
- Torx T20 screwdriver (for adjustment, if needed)

4.2. Installation Steps

1. **Prepare the Vehicle:** Ensure the vehicle is off and the battery is disconnected as per safety guidelines.
2. **Access Existing Tail Light:** Locate the existing tail light assembly on the vehicle. Depending on your specific Dodge Ram model, you may need to open the tailgate or remove a few screws from the inside of the truck bed access panel to reach the mounting hardware.
3. **Remove Old Assembly:** Unscrew any visible mounting screws or bolts holding the tail light in place. Carefully pull the old tail light assembly away from the vehicle body. Disconnect the electrical wiring harness by pressing the release tab and pulling apart the connectors.
4. **Transfer Bulbs:** The new WEELMOTO assembly does not include bulbs. Carefully twist and remove the stock bulbs (e.g., 3057X3) from your old tail light assembly. Insert these bulbs into the corresponding sockets on the new WEELMOTO tail light assembly.
5. **Connect New Assembly:** Connect the vehicle's electrical wiring harness to the new WEELMOTO tail light assembly. Ensure the connection is secure.
6. **Position and Secure:** Carefully position the new tail light assembly into the vehicle's tail light opening. Ensure all mounting points align. Secure the assembly using the original mounting screws or bolts. Do not overtighten.
7. **Repeat for Other Side:** Follow the same steps for the other side of the vehicle.
8. **Test Functionality:** Reconnect the vehicle's battery. Turn on the vehicle and test all tail light functions: running lights, brake lights, turn signals, and reverse lights.

PLUG-N-PLAY

EASY INSTALL



ONE-WAY VENT
TO PREVENT CONDENSATION



MOUNTING SCREW
FIRM STRUCTURE

Image 4.1: Plug-N-Play Installation Details. This diagram illustrates the back of the tail light assembly, highlighting the one-way vent for condensation prevention and the mounting screw locations for a firm structure.



PERFECT FIT

DOT/SAE Compliant

Meet or Exceed OEM Specifications

100% Performance Testing

Applicable models:

2002-2006 Dodge Ram 1500,
2003-2006 Dodge Ram 2500 3500



Image 4.2: Tail Light Fitment. This image shows the WEELMOTO tail light assembly perfectly fitted on a red Dodge Ram pickup truck, demonstrating its OEM-like compatibility.

5. OPERATION

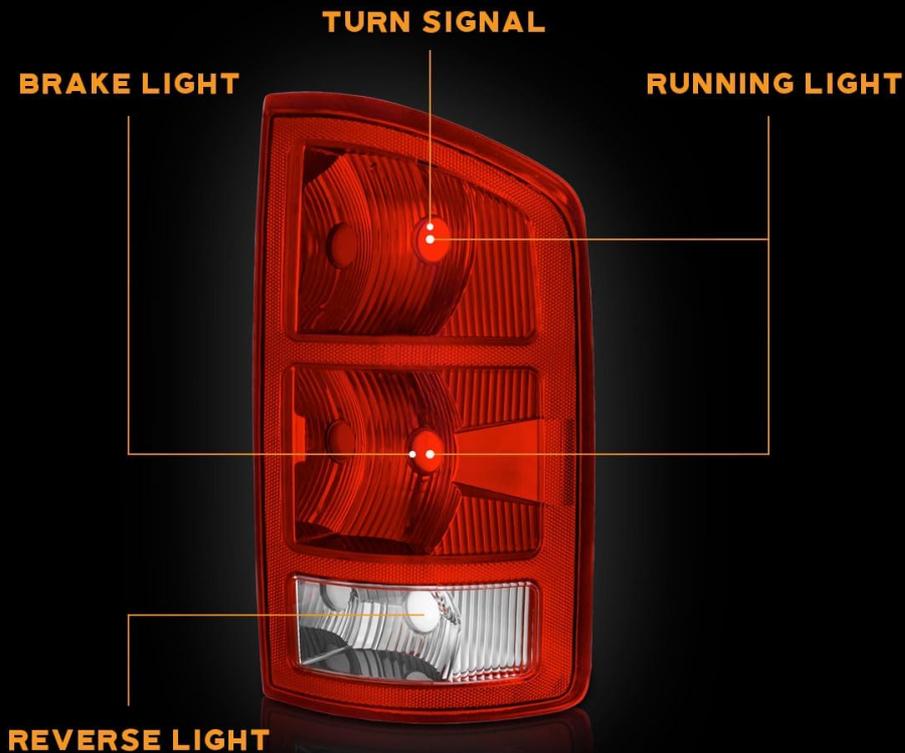
The WEELMOTO Tail Lights Assembly provides standard lighting functions essential for vehicle safety and compliance.

- **Running Light:** Illuminates when the vehicle's headlights or parking lights are on, indicating the vehicle's presence.
- **Brake Light:** Activates when the brake pedal is pressed, signaling deceleration or stopping.
- **Turn Signal:** Flashes to indicate an intended turn or lane change.
- **Reverse Light:** Illuminates when the vehicle is in reverse gear, providing visibility and warning to others.



Image 5.1: Tail Light Functions. This image illustrates the different lighting functions of the assembly: running light, turn signal, brake light, and reverse light, showing how each section illuminates.

FRONT DETAILS



- Bulbs are not included
- Please use stock bulbs (3057X3)

Image 5.2: Front Details. This diagram labels the specific sections of the tail light assembly corresponding to the turn signal, brake light, running light, and reverse light.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your WEELMOTO Tail Lights Assembly.

- **Cleaning:** Regularly clean the outer lens with a soft cloth, mild automotive soap, and water. Avoid abrasive cleaners or harsh chemicals that can damage the polycarbonate lens or UV coating.
- **Inspection:** Periodically inspect the tail light assemblies for any signs of damage, cracks, or loose connections. Ensure all bulbs are functioning correctly.
- **Durability:** The assemblies are designed with high-durability materials, featuring anti-heat, anti-UV-aging, and anti-freezing properties to withstand various environmental conditions.

HIGH DURABILITY

- ANTI-HEAT
- ANTI-UV-AGING
- ANTI-FREEZING



Image 6.1: High Durability. This image highlights the robust construction of the tail light assembly, designed to withstand extreme temperatures from -22°F to 140°F, and resist heat, UV aging, and freezing.

7. TROUBLESHOOTING

If you encounter issues with your tail lights, refer to the following common troubleshooting steps:

- **Lights Not Functioning:**
 - Check if the bulbs are correctly seated in their sockets.
 - Verify that the electrical harness connections are secure.
 - Inspect the vehicle's fuse box for any blown fuses related to the tail lights.
 - Ensure the stock bulbs are in working condition.
- **Condensation Inside Lens:**
 - Minor, temporary condensation can occur due to temperature changes and is often normal, dissipating on its own. The assembly includes a one-way vent to help manage this.
 - If condensation is persistent or excessive, check for proper sealing around the assembly and ensure the vent is not obstructed.
- **Poor Light Output:**

- Ensure the bulbs are clean and free from dirt or debris.
- Verify the vehicle's electrical system is providing adequate power.

8. SPECIFICATIONS

Feature	Detail
Brand	WEELMOTO
Model Number	DGPU0250
OEM Part Numbers	55077347AF, 55077348AF
Vehicle Compatibility	2002-2006 Dodge Ram 1500, 2003-2006 Dodge Ram 2500 3500
Color	Red Lens Black Housing Red Reflector
Lens Material	Polycarbonate
Auto Part Position	Outside Rear
Special Features	Waterproof, High Durability (Anti-Heat, Anti-UV-Aging, Anti-Freezing)
Certifications	DOT (Department of Transportation) and SAE (Society of Automotive Engineers) compliant, IATF16949 quality system certified manufacturer

9. WARRANTY AND SUPPORT

WEELMOTO provides a **3-year assurance period** for this product, reflecting our commitment to quality and customer satisfaction.

For any questions, concerns, or support regarding your WEELMOTO Tail Lights Assembly, please contact our customer service. You can typically find a "Contact Seller" or "Ask a Question" option on the product's purchase page or through your order history.