MAYELLO 09-RAM-LED-B-1

MAYELLO Smoked Black Full LED Tail Lights Instruction Manual

For 2009-2018 Dodge Ram 1500/2500/3500 & 2019-2024 Ram 1500 Classic (Factory Halogen Trims Only)

1. Product Overview

1.1 Compatibility

These MAYELLO Smoked Black Full LED Tail Lights are designed for specific Dodge Ram models. Please verify your vehicle's compatibility before installation.

- **Compatible With:** 2009-2018 Dodge Ram 1500; 2010-2018 Dodge Ram 2500/3500 & 2019-2024 Dodge Ram 1500 Classic.
- **Important Note:** Only compatible with factory halogen trims that have two halogen bulbs.
- **Not Compatible With:** Factory LED tail lights (those with striped brake lights).



Image 1.1: Visual guide for checking tail light compatibility. The top image shows a compatible factory halogen tail light and the new LED

tail light. The bottom image shows an incompatible factory LED tail light.



Image 1.2: A black Dodge Ram truck with the MAYELLO LED tail lights installed, illustrating the compatible vehicle models.

1.2 Key Features

- **Full LED Design:** No additional bulbs are required.
- **Plug & Play Installation:** Designed for direct replacement without modifications.
- **Durable Construction:** Dustproof and Waterproof (IP67 rated).
- **Aesthetic:** Sleek smoked black appearance.

2. Installation Guide

The MAYELLO Smoked Black Full LED Tail Lights are designed for a straightforward, plug-and-play installation, replacing your factory halogen tail lights. No complex wiring or modifications are typically needed.

2.1 Preparation

1. Ensure your vehicle is turned off and the parking brake is engaged.
2. Gather necessary tools (e.g., screwdriver, socket wrench, trim removal tool if needed).
3. Carefully unpack the new LED tail lights and inspect them for any damage.

2.2 Removal of Factory Tail Lights

1. Locate the mounting screws or bolts securing the factory tail light assembly. These are typically accessible from the inside of the tailgate area or along the side of the light.
2. Remove the screws/bolts.
3. Gently pull the tail light assembly straight back from the vehicle to disengage any alignment pins or clips.
4. Disconnect the electrical connectors from the factory bulbs and the main harness.

2.3 Installation of New LED Tail Lights

1. Connect the electrical harness of the new MAYELLO LED tail light to the vehicle's existing wiring harness. Ensure a secure connection.
2. Align the new LED tail light with the mounting points and alignment pins on the vehicle.
3. Push the tail light firmly into place until it sits flush with the vehicle body.
4. Reinstall the mounting screws or bolts to secure the new tail light. Do not overtighten.
5. Repeat the process for the other side.



Image 2.1: The rear view of the LED tail light, illustrating its original equipment (OE) design and the plug-and-play connectors for easy installation.

2.4 Post-Installation Check

1. Turn on your vehicle's ignition.
2. Test all light functions: running lights, brake lights, turn signals, and reverse lights.
3. Ensure all lights are functioning correctly and there are no warning indicators on your dashboard.



Image 2.2: A Dodge Ram truck showing the appearance of the factory tail lights before installation of the MAYELLO LED lights.



Image 2.3: The same Dodge Ram truck after the MAYELLO LED tail lights have been installed, showcasing the new appearance.

3. Operation

The MAYELLO Smoked Black Full LED Tail Lights integrate all standard tail light functions into a single LED unit. These lights activate automatically with your vehicle's electrical system.

3.1 Light Modes

- **Running Light:** Illuminates when headlights are on, providing continuous rear visibility.
- **Brake Light:** Activates when the brake pedal is pressed, indicating deceleration or stopping.
- **Reversing Light:** Illuminates when the vehicle is in reverse gear, providing illumination and warning.
- **Turn Signal:** Flashes to indicate a left or right turn, or lane change.

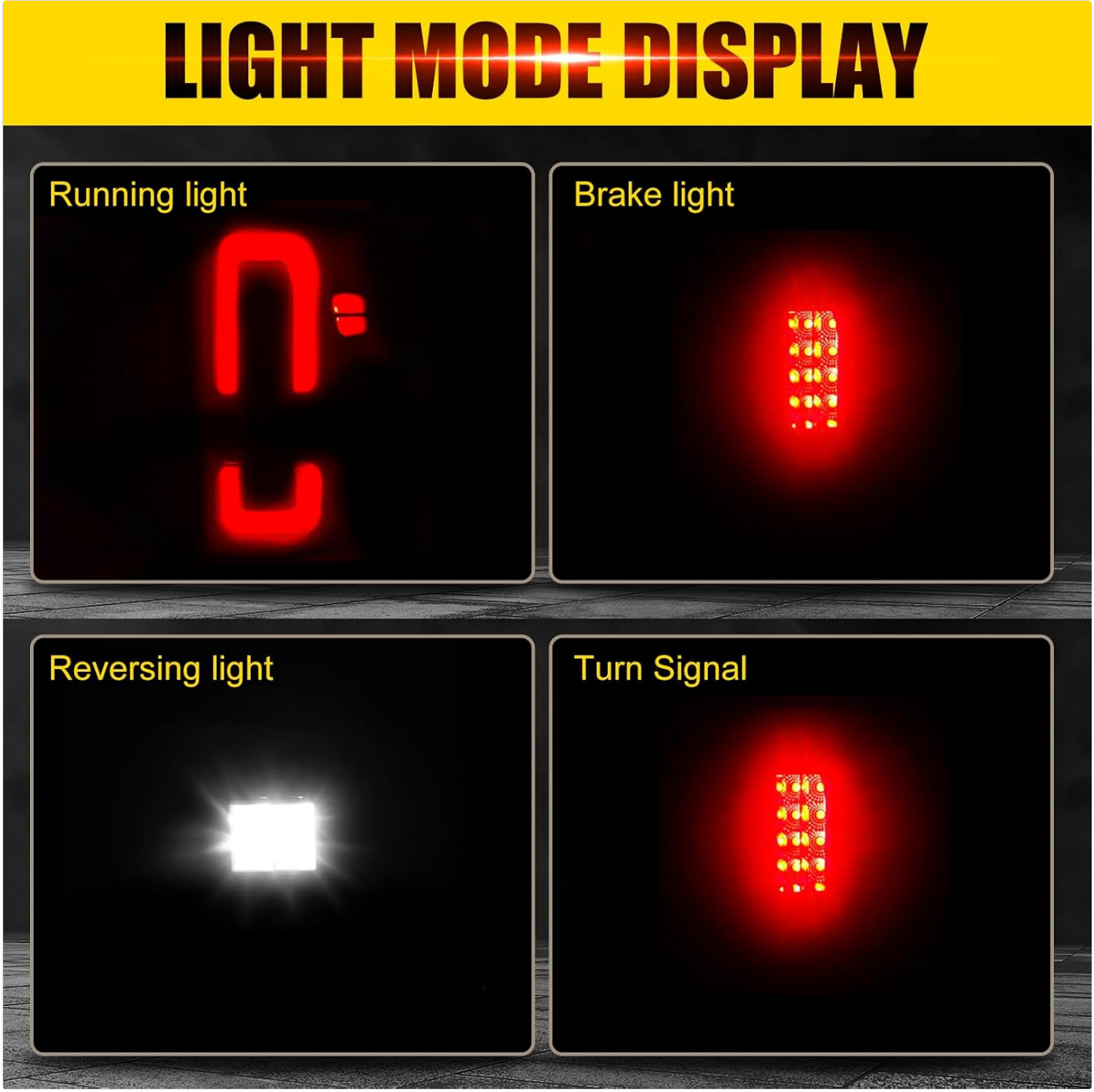


Image 3.1: A visual representation of the four primary light modes: running light, brake light, reversing light, and turn signal, as displayed by the LED tail lights.

4. Maintenance

These LED tail lights are designed for durability and minimal maintenance. They feature a dustproof and waterproof construction to withstand various environmental conditions.

4.1 Cleaning

- To clean the lens, use a soft cloth with mild soap and water.
- Avoid abrasive cleaners or harsh chemicals that could damage the lens material.
- Rinse thoroughly with clean water and dry with a soft cloth to prevent water spots.

4.2 Inspection

- Periodically check the tail lights for any signs of damage, cracks, or loose connections.

- Ensure the lights are securely mounted to the vehicle.



Image 4.1: The LED tail lights shown in a water environment, highlighting their IP67 waterproof and dustproof capabilities.

5. Troubleshooting

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

5.1 Lights Not Functioning

- **Check Connections:** Ensure all electrical connectors are securely plugged in. A loose connection can prevent the lights from working.
- **Vehicle Compatibility:** Double-check that your vehicle is compatible with these tail lights (factory halogen trims only). Incompatible systems may cause issues.
- **Fuse Check:** Verify the vehicle's relevant fuses are intact. Consult your vehicle's owner's manual for fuse box locations and diagrams.

5.2 Hyper Flashing or Rapid Blinking

- This typically indicates that the vehicle's system detects a lower power draw from the LED lights compared to original halogen bulbs.
- The integrated resistor pack in these lights is designed to prevent hyper flashing. If it occurs, ensure the resistor pack is properly connected and not damaged.
- Contact customer support if the issue persists after checking connections.

5.3 Moisture or Fogging Inside the Lens

- Minor condensation can sometimes occur due to temperature changes. This usually dissipates on its own.
- If significant moisture or water accumulation is present, inspect the seal around the light housing for any gaps or damage.
- Ensure the tail light is properly seated and secured to the vehicle, as improper installation can compromise the seal.

5.4 Loose Fit or Gaps After Installation

- Ensure the tail light is fully seated and all mounting points are correctly aligned.
- Verify that no debris or obstructions are preventing the light from sitting flush against the vehicle body.
- If a gap persists, re-check the alignment pins and mounting tabs for proper engagement.

For issues not covered here or if troubleshooting steps do not resolve the problem, please contact MAYELLO customer support.

6. Product Specifications

Feature	Specification
Brand	MAYELLO
Model Number	09-RAM-LED-B-1
ASIN	B0DSC3HNW3
Color	Black Lens
Specific Uses For Product	Rear Lights
Light Source Type	LED
Vehicle Service Type	Truck
Special Feature	Dustproof, Waterproof (IP67)
Voltage	12 volts DC
Wattage	15 watts
Auto Part Position	Rear
Lens Material	Acrylic
Item Dimensions (L x W x H)	15.35 x 11.81 x 7.87 inches
Unit Count	1 Count (per light, typically sold as a pair)

Feature	Specification
Number of Items	1 (per light, typically sold as a pair)

7. Warranty and Customer Support

7.1 Warranty Information

MAYELLO provides a **12-month manufacturer's warranty** for these LED Tail Lights from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

The warranty does not cover damage resulting from improper installation, accidents, misuse, abuse, unauthorized modifications, or normal wear and tear.

7.2 Customer Support

If you have any questions regarding the installation, operation, or troubleshooting of your MAYELLO LED Tail Lights, or if you need to make a warranty claim, please contact MAYELLO customer support.

Please have your product model number (09-RAM-LED-B-1) and proof of purchase ready when contacting support to ensure efficient service.

For the most current contact information, please refer to the MAYELLO brand store on Amazon or the packaging of your product.

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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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