MAYELLO 09-RAM-OE-2AH

MAYELLO Smoked Red Tail Lights Instruction Manual

Model: 09-RAM-OE-2AH | Brand: MAYELLO

1. Important Safety Information

- Always disconnect the vehicle's battery before performing any electrical work to prevent injury or damage.
- Ensure all connections are secure and properly insulated to avoid short circuits.
- Verify that the tail lights function correctly (brake, turn signal, reverse) after installation before driving.
- If you are unsure about any installation step, consult a qualified automotive technician.

2. Product Compatibility

These MAYELLO Smoked Red Tail Lights are designed for specific Dodge Ram and Ram Classic models. Please verify your vehicle's compatibility before installation.

- **Compatible With:** 2009-2018 Dodge Ram 1500, 2500, 3500.
- **Compatible With:** 2019-2024 Ram 1500 Classic.
- **Important Note:** Only compatible with factory halogen trims that utilize two halogen bulbs.
- **Not Compatible With:** Factory LED tail lights (e.g., 2013–2018 Ram 1500 Rebel/Sport models with striped brake lights).



Figure 2.1: Visual guide for vehicle compatibility, distinguishing between factory halogen and LED tail light systems.



Figure 2.2: Rear view of the tail light, highlighting the connection points for factory halogen systems.

3. Package Contents

The MAYELLO Smoked Red Tail Light package includes the following items:

- One pair (left and right) of Smoked Red Tail Light Assemblies.
- All necessary bulbs pre-installed within the assemblies.



Figure 3.1: The package includes all required bulbs for immediate installation.

4. Setup (Installation)

The MAYELLO Smoked Red Tail Lights are designed for a direct plug-and-play installation, requiring no modifications to your vehicle's existing wiring or structure.

1. Park your vehicle on a level surface and engage the parking brake.
2. Open the tailgate and locate the screws or fasteners holding the existing tail light assembly in place. Remove these fasteners.
3. Carefully pull the old tail light assembly away from the vehicle. It may be held by alignment pins or clips.
4. Disconnect the electrical connectors from the old tail light assembly.
5. Connect the electrical connectors from your vehicle's wiring harness to the new MAYELLO tail light assembly. Ensure connections are secure.
6. Align the new tail light assembly with the mounting points on your vehicle and push it firmly into place.

7. Reinstall the screws or fasteners to secure the new tail light assembly.
8. Repeat the process for the other side.
9. Before driving, test all light functions: brake lights, turn signals, and reverse lights.



Figure 4.1: The tail lights feature an OE design for direct plug-and-play installation.

5. Operating Instructions

The MAYELLO Smoked Red Tail Lights operate identically to your vehicle's original factory halogen tail lights. The smoked red lenses provide a distinct aesthetic without compromising visibility or light output.

- **Brake Lights:** Illuminate when the brake pedal is pressed.
- **Turn Signals:** Flash when the turn signal lever is activated.
- **Reverse Lights:** Illuminate when the vehicle is shifted into reverse gear.

The smoked red lenses are designed to maintain the original light color and brightness, ensuring compliance with

regulations and safe driving conditions. Please note that the appearance of the lenses may vary slightly depending on ambient lighting conditions, appearing redder in bright light and darker in low light.



Figure 5.1: The tail lights maintain original light color and brightness for brake/signal and reverse functions.

6. Maintenance

The MAYELLO Smoked Red Tail Lights are constructed with high-quality PMMA lenses, offering durability and corrosion resistance, which minimizes maintenance requirements.

- **Cleaning:** Clean the lenses periodically with a soft cloth and mild automotive soap or glass cleaner. Avoid abrasive cleaners or harsh chemicals that could damage the lens surface.
- **Inspection:** Regularly inspect the tail light assemblies for any signs of damage, cracks, or loose connections.
- **Bulb Replacement:** While bulbs are included and pre-installed, if a bulb needs replacement, use a compatible halogen bulb type as specified for your vehicle's original tail lights.



Figure 6.1: High-quality PMMA lenses ensure durability and resistance to corrosion.

7. Troubleshooting

If you experience issues with your MAYELLO Smoked Red Tail Lights, consider the following troubleshooting steps:

- **Lights Not Functioning:**
  - Check all electrical connections to ensure they are securely plugged in.
  - Inspect the bulbs for any signs of damage or a broken filament. Replace if necessary.
  - Verify the vehicle's fuses related to the tail lights. Consult your vehicle's owner's manual for fuse box location and specific fuse identification.
- **Intermittent Function:**
  - Ensure all wiring is free from pinches, cuts, or corrosion.
  - Check for loose connections at the bulb sockets or wiring harness.

- **Water or Condensation Inside Lens:**
    - While the product is waterproof (IP67 rated), extreme temperature changes can sometimes cause minor condensation. This usually dissipates on its own.
    - If significant water ingress occurs, check for proper sealing around the assembly and ensure it is correctly seated against the vehicle body.

If these steps do not resolve the issue, please contact MAYELLO customer support for further assistance.



Figure 7.1: The IP67 waterproof rating ensures protection against water ingress.

8. Specifications

Feature	Specification
Brand	MAYELLO

Model Number	09-RAM-OE-2AH
Color	Smoked Red
Specific Uses For Product	Rear Lights
Light Source Type	Halogen
Vehicle Service Type	Truck
Voltage	12 volts DC
Wattage	25 watts
Auto Part Position	Rear
Special Feature	Waterproof (IP67)
Lens Material	Acrylic (PMMA)
Unit Count	2 Count (Pair)

9. Warranty and Support

Warranty: MAYELLO provides a 12-month manufacturer's warranty for these Smoked Red Tail Lights, covering defects in materials and workmanship under normal use.

Customer Support: For technical assistance, warranty claims, or any questions regarding your MAYELLO product, please visit the official MAYELLO store or contact their customer service department.

Official MAYELLO Store: MAYELLO Store on Amazon

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.

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

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