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> CarLights360 Tail Light Assembly Unit CH2800117 for Dodge Ram/Charger/Pickup (Driver Side) - Installation and Maintenance Manual

CarLights360 CH2800117

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INSTALLATION AND MAINTENANCE MANUAL

1. Product Overview

This manual provides instructions for the installation and maintenance of the CarLights360 Driver Side Tail Light Assembly, designed as a direct replacement for specific Dodge Ram, Charger, and Pickup models. This unit is engineered to meet or exceed original equipment specifications, ensuring proper fit and function.

Key Features:

- **DOT & SAE Compliant:** Manufactured to meet Department of Transportation and Society of Automotive Engineers standards for safety and quality.
- **Waterproof Design:** Constructed to resist moisture intrusion, enhancing durability and performance.
- **Direct Fit:** Engineered for a precise fit, simplifying the installation process.



Figure 1: Front view of the CarLights360 Driver Side Tail Light Assembly. This image shows the red lens with chrome-like trim and the clear reverse light section at the bottom.

Vehicle Compatibility

This tail light assembly is compatible with the following vehicles:

- Dodge Truck Pickup (Full Size): 1984, 1985, 1986, 1987, 1988
- Dodge Truck Ramcharger: 1984, 1985, 1986, 1987, 1988

Please verify the part number CH2800117 or OEM number 4169005 against your vehicle's existing part to ensure proper fitment.

Which Side Should I Order?

It can be confusing to see new terms. Here's a helpful illustration with some of the common orders:



Figure 2: Diagram explaining vehicle side orientation. The 'Driver Side' refers to the left side of the vehicle when seated in the driver's seat, also known as LH (Left Hand).

2. Safety Information

Always prioritize safety when working on your vehicle. Improper installation can lead to vehicle damage or personal injury.

- **Professional Installation Recommended:** If you are unsure about any step, it is advisable to seek assistance from a qualified automotive technician.
- **Disconnect Battery:** Before beginning any electrical work, disconnect the vehicle's negative battery terminal to prevent electrical shorts or injury.
- **Wear Protective Gear:** Use appropriate personal protective equipment, such as safety glasses and gloves.
- **Legal Disclaimer:** This product is an aftermarket replacement. It is not an OEM part and is not manufactured or sold by the original vehicle manufacturer. We are not affiliated with the vehicle manufacturer.

3. Package Contents

Upon opening the package, please ensure all components are present and undamaged.

- 1 x CarLights360 Driver Side Tail Light Assembly (Part Number: CH2800117)



Figure 3: Example of CarLights360 product packaging. The tail light assembly is securely packaged to prevent damage during transit.

4. Installation Guide

Tools Required (Typical)

- Socket Wrench Set
- Screwdriver Set (Phillips and Flathead)
- Plastic Trim Removal Tool (optional, but recommended)
- Work Gloves
- Safety Glasses

Step-by-Step Installation

These are general steps. Refer to your vehicle's service manual for specific instructions related to your model year.

1. **Prepare Vehicle:** Park the vehicle on a level surface, engage the parking brake, and turn off the engine. Disconnect the negative terminal of the vehicle's battery.
2. **Access Tail Light:** Open the tailgate or trunk to access the mounting screws or bolts for the tail light assembly. Some vehicles may require removing interior trim panels.
3. **Remove Fasteners:** Locate and remove all screws, bolts, or clips securing the old tail light assembly

to the vehicle body.

4. **Detach Old Assembly:** Carefully pull the old tail light assembly away from the vehicle. It may be held in place by alignment pins or clips.
5. **Disconnect Wiring:** Twist and remove the bulb sockets from the old tail light housing. Disconnect any electrical connectors. Inspect bulbs for damage and replace if necessary.
6. **Prepare New Assembly:** Insert the existing bulbs and sockets into the new CarLights360 tail light assembly. Ensure they are securely twisted into place.
7. **Connect Wiring:** Reconnect any electrical connectors to the new assembly.
8. **Mount New Assembly:** Carefully align the new tail light assembly with the mounting points on the vehicle body. Push it firmly into place, ensuring alignment pins (if present) engage correctly.
9. **Secure Fasteners:** Reinstall all screws, bolts, or clips removed in step 3. Do not overtighten.
10. **Test Functionality:** Reconnect the negative battery terminal. Test all tail light functions (running lights, brake lights, turn signals, reverse lights) to ensure proper operation before driving.



Figure 4: Rear view of the tail light assembly. This image displays the openings for bulb sockets and mounting points, which are crucial for installation.

5. Operation

The CarLights360 Tail Light Assembly functions identically to the original equipment. It houses the bulbs responsible for:

- **Running Lights:** Illuminate when headlights are on, providing rear visibility.
- **Brake Lights:** Brighten when the brake pedal is pressed, signaling deceleration.
- **Turn Signals:** Flash to indicate an intended turn or lane change.

- **Reverse Lights:** Illuminate when the vehicle is in reverse gear, providing visibility and warning.

Ensure all functions are checked regularly for safety.

6. Maintenance

Cleaning and Care

- Clean the tail light lens regularly with a soft cloth and mild automotive soap to remove dirt and grime. Avoid abrasive cleaners or harsh chemicals that could damage the lens.
- Rinse thoroughly with water and dry to prevent water spots.

Inspection

- Periodically check the tail light for cracks, condensation, or damage to the lens or housing.
- Ensure all bulbs are functioning correctly. Replace any burnt-out bulbs promptly.
- Verify that the tail light assembly remains securely fastened to the vehicle.

7. Troubleshooting

Common Issues and Solutions

- **Light Not Working:**
 - Check the bulb: Ensure it is properly seated and not burnt out. Replace if necessary.
 - Check the fuse: Consult your vehicle's owner's manual for the location of the tail light fuse and replace if blown.
 - Check wiring: Ensure all electrical connectors are securely attached and free from corrosion.
- **Condensation Inside Lens:**
 - Minor condensation can occur due to temperature changes and usually dissipates.
 - If excessive or persistent, check for cracks in the housing or a loose seal around the bulb sockets. Ensure bulb sockets are properly sealed.
- **Flickering Light:**
 - Inspect the bulb for loose filaments.
 - Check for loose or corroded electrical connections.

8. Specifications

Specification	Detail
Brand	CarLights360
Model	PICKUP
Color	Driver Side
Specific Uses For Product	Tail Light
Vehicle Service Type	Tail Light

Specification	Detail
Special Feature	Waterproof
Auto Part Position	Rear Left
Item Dimensions (L x W x H)	12.64 x 7.4 x 4.53 inches
Item Weight	2.07 pounds
UPC	748323918410
Manufacturer Part Number	CLX-M1-332-1902L-US23
OEM Part Number	4169005
Partslink Number	CH2800117
Safety Rating	DOT Certified

9. Warranty and Support

Manufacturer Information

This product is manufactured by CarLights360, a brand committed to providing quality aftermarket automotive lighting solutions.

Warranty

For specific warranty details regarding this CarLights360 product, please refer to the warranty information provided at the point of purchase or contact the seller directly. Aftermarket parts typically come with a limited manufacturer's warranty against defects in materials and workmanship.

Customer Support

If you have any questions regarding the installation, operation, or maintenance of your CarLights360 Tail Light Assembly, please contact the seller or CarLights360 customer support for assistance.