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› APDTY 034141 Tail Lamp Light Bulb Socket Holder Circuit Board User Manual

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Model: 034141 | Brand: APDTY

PRODUCT OVERVIEW

The APDTY 034141 Tail Lamp Light Bulb Socket Holder Circuit Board is a direct replacement component designed for specific Dodge Ram pickup models. This circuit board is essential for the proper functioning of your vehicle's tail lamps, providing the necessary electrical connections for the light bulbs. It is engineered to be compatible with both the rear left and right tail lamp assemblies.

This product is a premium OE style circuit board that includes new rubber seals to ensure a secure and weather-resistant fit. It is designed to use standard 3057 tail light bulbs, ensuring compatibility with common automotive lighting components.



Image: The APDTY 034141 Tail Lamp Light Bulb Socket Holder Circuit Board, showing its elongated shape with three bulb sockets and mounting points.

INSTALLATION GUIDE

This circuit board is designed for direct replacement and is compatible with the following vehicle models:

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

It replaces Mopar part numbers 55077343AC, 55077343AD, 55077343AB, and 55077346AA.

Installation Steps:

1. **Safety First:** Ensure the vehicle's ignition is off and the parking brake is engaged. Disconnect the negative terminal of the vehicle's battery to prevent electrical shorts during installation.
2. **Access Tail Lamp Assembly:** Depending on your vehicle model, you may need to remove screws or clips securing the tail lamp assembly. Carefully pull the assembly away from the vehicle body.
3. **Remove Old Circuit Board:** Locate the existing tail lamp circuit board. It is typically secured with small screws

or clips. Carefully disconnect any wiring harnesses attached to the old board.

4. **Inspect Wiring Harness:** Before installing the new circuit board, inspect the vehicle's wiring harness connector for any signs of corrosion, damage, or melting. If a new wiring harness pigtail connector is needed, refer to APDTY 756614 or 112854.
5. **Install New Circuit Board:** Align the new APDTY 034141 circuit board with the mounting points on the tail lamp assembly. Ensure the new rubber seals are properly seated. Secure the board using the original screws or clips.
6. **Connect Wiring:** Reconnect the vehicle's wiring harness to the new circuit board. Ensure a firm and secure connection.
7. **Install Bulbs:** Insert standard 3057 tail light bulbs into the sockets on the new circuit board. Ensure they are properly seated and twisted into place if applicable.
8. **Reinstall Tail Lamp Assembly:** Carefully re-position the tail lamp assembly back into its housing on the vehicle. Secure it with the removed screws or clips.
9. **Test Functionality:** Reconnect the vehicle's battery. Test all tail lamp functions, including brake lights, turn signals, and running lights, to ensure proper operation before driving.



Image
Coming
Soon

Image: A detailed view of the APDTY 034141 circuit board, highlighting the bulb sockets and their integrated rubber seals.

OPERATING PRINCIPLES

The APDTY 034141 Tail Lamp Light Bulb Socket Holder Circuit Board serves as the electrical interface between your vehicle's wiring harness and the tail lamp bulbs. It is a passive component that provides the necessary pathways for electrical current to flow to and from the bulbs, enabling them to illuminate for various functions such as running lights, brake lights, and turn signals.

Each socket on the circuit board is designed to securely hold a standard 3057 tail light bulb, ensuring proper electrical contact and preventing premature bulb failure due to vibration or loose connections. The integrated circuit pathways on the board distribute power and ground signals to the correct bulb filaments based on the vehicle's electrical commands.

MAINTENANCE

Regular inspection and minimal maintenance can help ensure the longevity and reliable performance of your APDTY 034141 circuit board.

- **Periodic Inspection:** Annually, or if you notice any issues with your tail lights, remove the tail lamp assembly and visually inspect the circuit board. Look for signs of corrosion, discoloration, or damage to the electrical contacts and pathways.
- **Cleaning:** If dust or light debris is present, gently wipe the surface of the circuit board with a clean, dry, lint-free cloth. Avoid using abrasive cleaners or solvents. For stubborn dirt on contacts, a specialized electrical contact cleaner can be used sparingly, ensuring it fully evaporates before reassembly.
- **Seal Integrity:** Check the condition of the rubber seals around the bulb sockets. These seals are crucial for preventing moisture and dirt ingress, which can lead to corrosion and electrical issues. If seals appear cracked or degraded, consider replacement.
- **Bulb Condition:** Ensure that the 3057 bulbs are clean and free of residue. Replace any burnt-out or dim bulbs promptly to maintain optimal light output and prevent potential issues with the circuit board due to uneven load.

TROUBLESHOOTING

If you experience issues with your tail lights after installing or using the APDTY 034141 circuit board, consider the following troubleshooting steps:

- **"Lamp Out" Warning or Flickering Lights:**
 - **Check Bulbs:** Ensure all 3057 bulbs are correctly installed and not burnt out. Even a single faulty bulb can trigger a warning.
 - **Socket Connection:** Verify that bulbs are seated firmly in their sockets. A loose connection can cause intermittent operation.
 - **Corrosion:** Inspect the bulb contacts within the sockets and the circuit board's electrical contacts for corrosion. Clean if necessary.
- **No Lights Functioning:**
 - **Wiring Harness:** Confirm the wiring harness is securely connected to the circuit board. Disconnect and reconnect to ensure a proper fit.
 - **Vehicle Fuse:** Check the relevant fuse in your vehicle's fuse box for the tail lights. A blown fuse will prevent power from reaching the circuit board.

- **Ground Connection:** Ensure the tail lamp assembly has a good ground connection to the vehicle chassis.
- **Specific Light Not Working (e.g., Brake Light Only):**
 - **Bulb Filament:** The 3057 bulb has two filaments. One might be burnt out while the other is still functional. Replace the bulb.
 - **Wiring Issue:** There might be a specific wiring issue or a problem with the vehicle's switch for that particular function.
- **Physical Damage:**
 - Inspect the circuit board for any visible cracks, burnt spots, or damaged traces. If physical damage is present, the board may need replacement.

If troubleshooting does not resolve the issue, professional automotive diagnostic services may be required to identify underlying electrical problems in the vehicle.

SPECIFICATIONS

Attribute	Detail
Manufacturer	APDTY
Model Number	034141
Item Weight	6.4 ounces
Product Dimensions	15.28 x 4.28 x 3.78 inches
OEM Part Numbers Replaced	55077343AC, 55077343AD, 55077343AB, 55077346AA
Compatible Bulb Type	Standard 3057 Tail Light Bulbs
Position	Rear Left or Right
First Available Date	April 15, 2013

WARRANTY AND SUPPORT

APDTY products are manufactured to meet or exceed OEM specifications, ensuring high quality and reliable performance. For specific warranty information regarding the APDTY 034141 Tail Lamp Light Bulb Socket Holder Circuit Board, please refer to the terms and conditions provided at the point of purchase or contact APDTY customer support directly.

For additional support or to explore other APDTY products, you may visit the official APDTY store on Amazon:[APDTY Store](#).

⚠ California Proposition 65 WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

