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> [Mopar OEM Fuse Relay Instruction Manual](#)

## Mopar 68053218aa.2

# Mopar OEM Fuse Relay Instruction Manual

Model: 68053218aa.2

## INTRODUCTION

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This manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of your Mopar OEM Fuse Relay, part number 68053218aa.2. This component is designed for use in Chrysler, Jeep, and Dodge vehicles, serving as a critical part of the vehicle's electrical system to control various circuits.

Ensure you read and understand all instructions before attempting any installation or maintenance.

## IMPORTANT SAFETY INFORMATION

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Always prioritize safety when working with automotive electrical systems. Failure to follow these safety guidelines may result in personal injury, damage to the vehicle, or damage to the component.

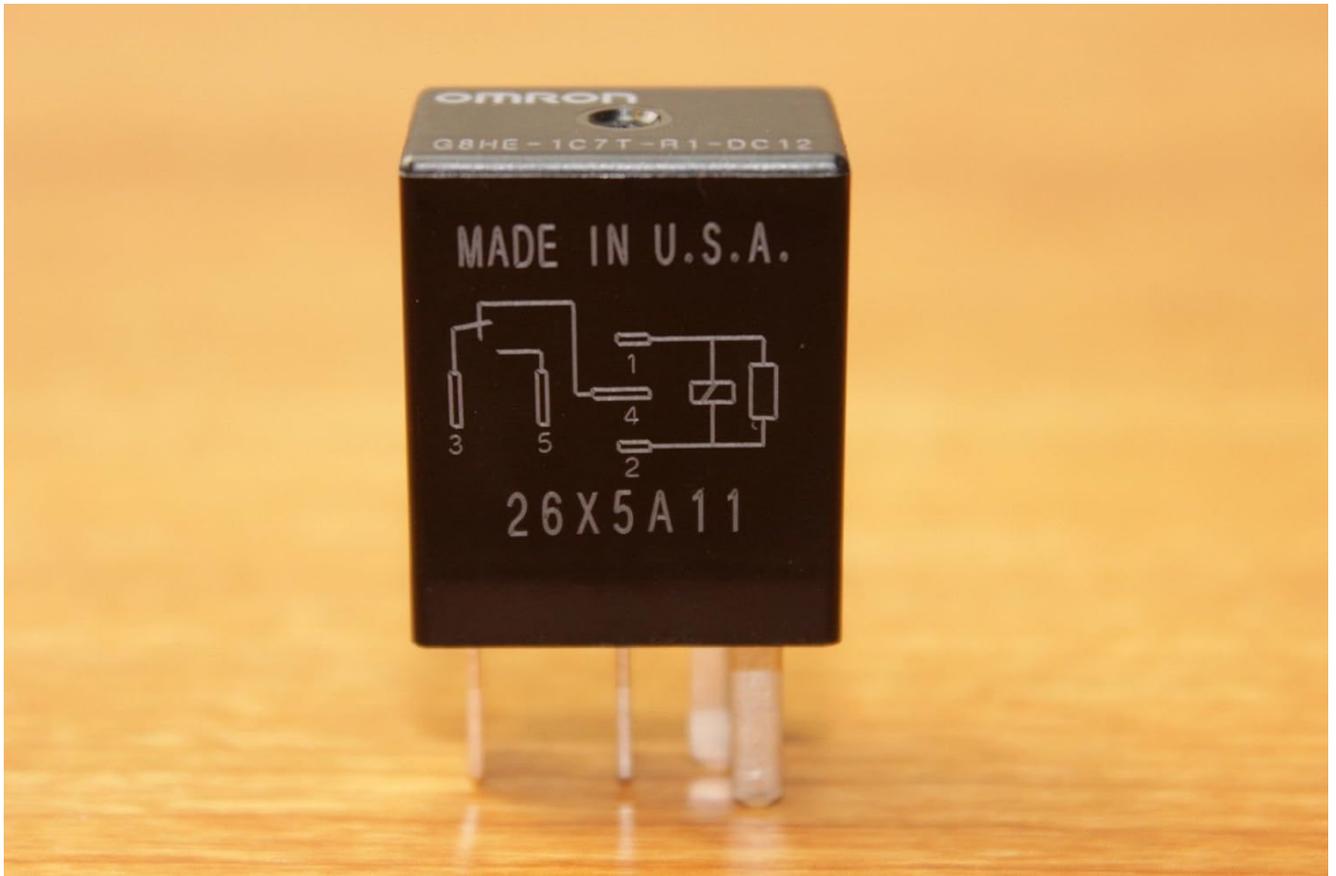
- **Disconnect Battery:** Always disconnect the vehicle's negative battery terminal before working on any electrical components to prevent accidental short circuits or electrical shocks.
- **Use Proper Tools:** Ensure you use the correct tools for installation and removal to avoid damaging the relay or surrounding components.
- **Verify Compatibility:** Confirm that this relay is the correct part for your specific vehicle model and application. Refer to your vehicle's service manual for exact specifications.
- **Avoid Moisture:** Keep the relay and its connections dry. Moisture can cause corrosion and electrical malfunctions.
- **Professional Installation:** If you are unsure about any step, it is recommended to seek assistance from a qualified automotive technician.

## SETUP AND INSTALLATION

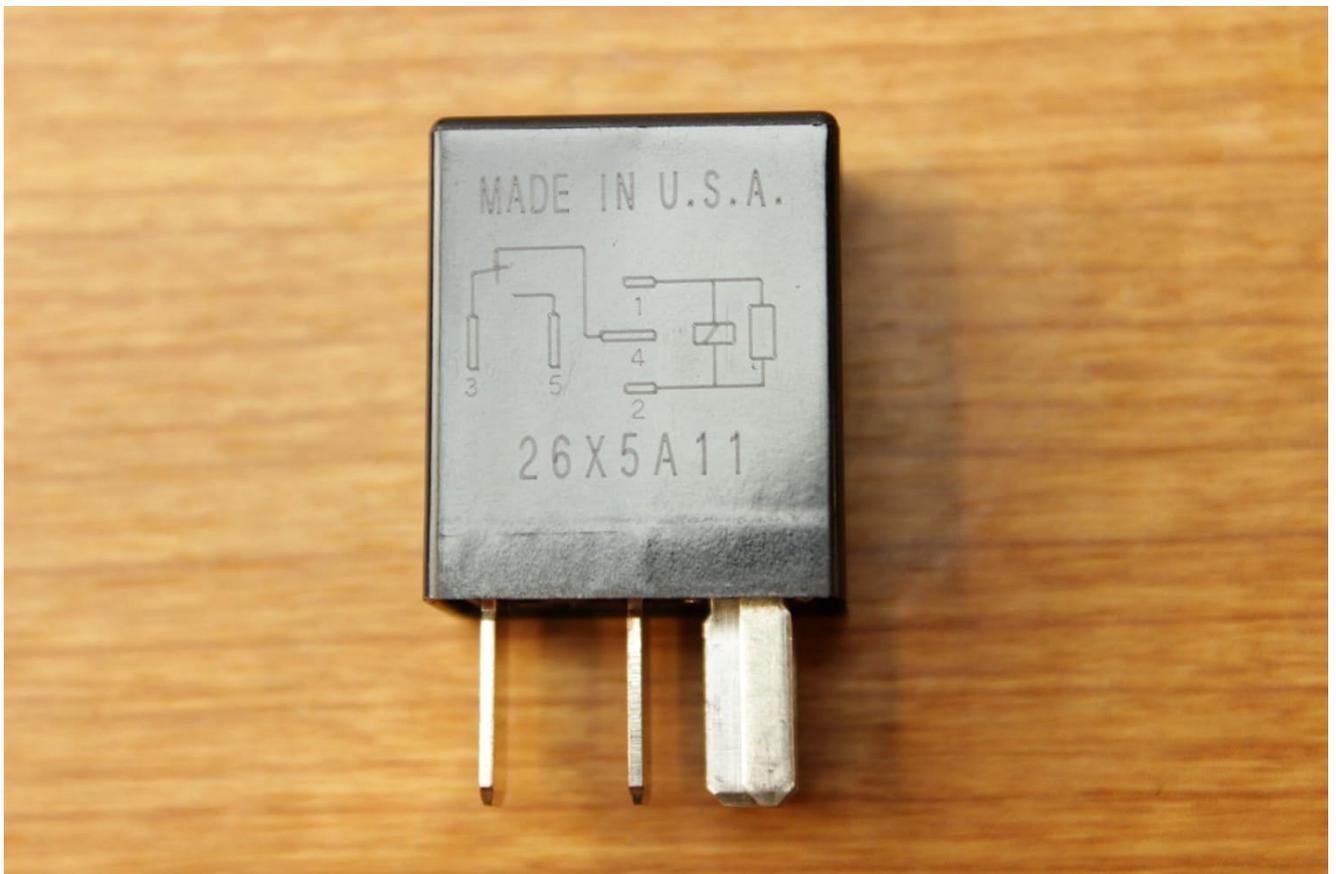
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The Mopar OEM Fuse Relay is typically installed in a fuse box or relay block within the engine bay or passenger compartment. The installation process involves identifying the correct slot and securely seating the relay.

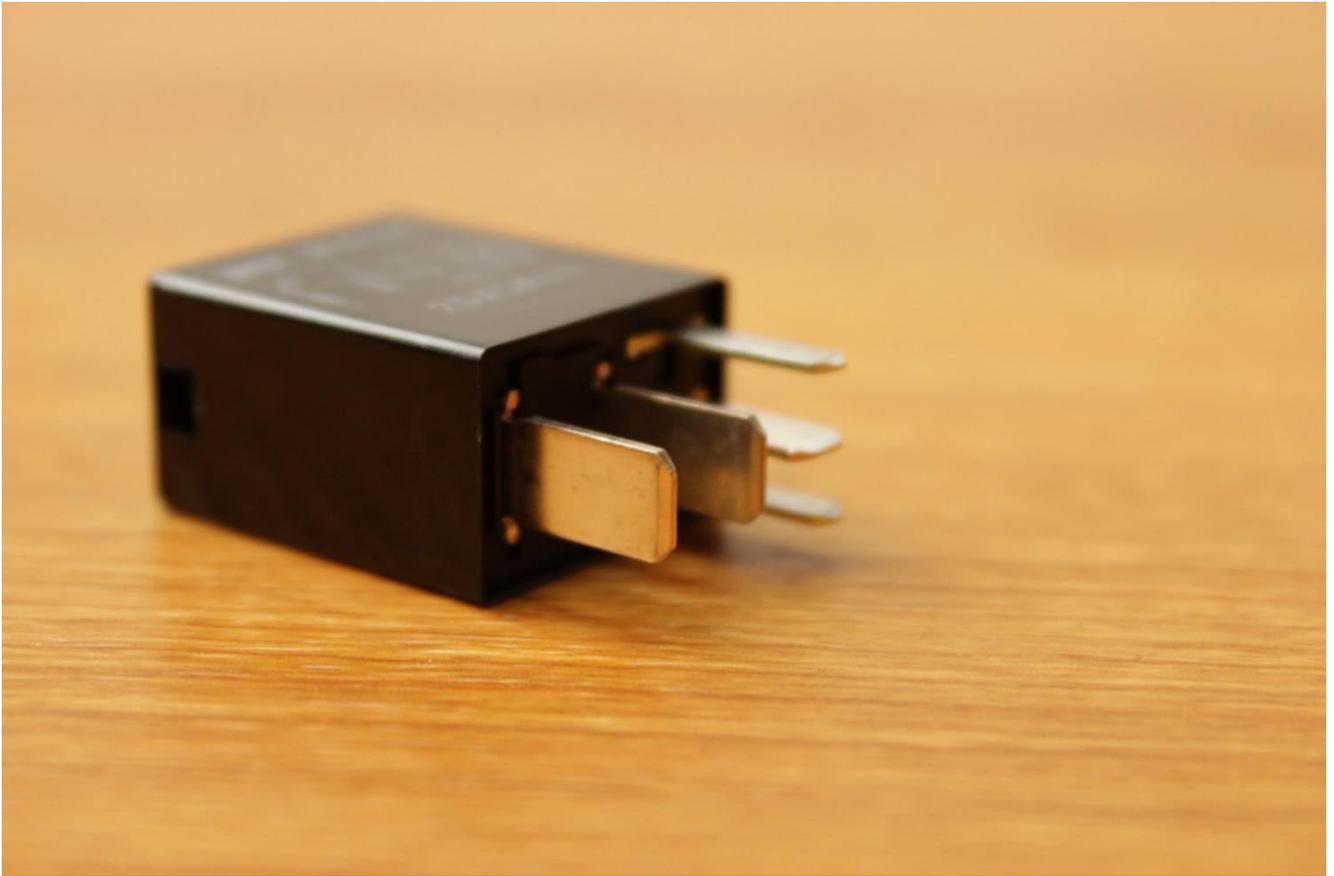
### Identifying the Relay



**Figure 1:** Front view of the Mopar OEM Fuse Relay, showing the Omron branding, "MADE IN U.S.A.", and the internal circuit diagram with pin numbers (1, 2, 3, 4, 5) and the part code 26X5A11. This diagram is crucial for understanding the relay's function and pinout.



**Figure 2:** Top view of the Mopar OEM Fuse Relay, providing a clear perspective of the circuit diagram and pin numbering. This view is helpful for verifying the correct orientation during installation.



**Figure 3:** Bottom view of the Mopar OEM Fuse Relay, clearly displaying the five electrical pins. These pins connect to the corresponding terminals in the vehicle's relay socket.



**Figure 4:** Packaging of the Mopar OEM Fuse Relay, highlighting the part number 6805 3218 AA -001. This number confirms the authenticity and specific model of the relay.

## Installation Steps

1. **Locate Fuse/Relay Box:** Consult your vehicle's owner's manual to locate the fuse and relay box where the relay needs to be installed or replaced.
2. **Identify Correct Slot:** Within the fuse/relay box, identify the specific slot designated for the relay you are installing. Vehicle manuals often include diagrams of the fuse box layout.
3. **Insert Relay:** Align the pins of the Mopar OEM Fuse Relay with the corresponding holes in the relay socket. Gently but firmly push the relay straight down until it is fully seated. You should feel a slight click or resistance as it locks into place.
4. **Verify Connection:** Ensure the relay is seated flush and securely in its socket. A loose connection can lead to intermittent operation or failure.
5. **Reconnect Battery:** Once the relay is securely installed, reconnect the negative battery terminal.
6. **Test Functionality:** Turn on the vehicle and test the circuit controlled by the newly installed relay to ensure it is functioning correctly.

## OPERATING PRINCIPLES

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The Mopar OEM Fuse Relay (Model 68053218aa.2) is an electromechanical switch. It uses a small amount of current to control a larger amount of current. This is particularly useful in automotive applications where high-current devices (like headlights, fuel pumps, or starter motors) need to be controlled by low-current switches (like those on your dashboard). When a small electrical current is applied to the relay's control coil (pins 1 and 2 in the diagram), it creates a magnetic field. This magnetic field pulls a movable armature, closing a set of contacts (pins 3 and 5). This action completes a separate, higher-current circuit, allowing power to flow to the connected component. When the current to the coil is removed, the magnetic field collapses, and a spring returns the contacts to their original (normally open) position, breaking the high-current circuit.

## MAINTENANCE

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Mopar OEM relays are designed for long-term reliability and typically require minimal maintenance. However, periodic inspection can help ensure optimal performance and longevity.

- **Visual Inspection:** Periodically inspect the relay and its socket for any signs of corrosion, melting, or physical damage. Discoloration or a burnt smell may indicate an issue.
- **Clean Terminals:** If corrosion is present on the relay pins or within the socket, carefully clean them using a suitable electrical contact cleaner and a small brush. Ensure the area is dry before reinserting the relay.
- **Secure Seating:** Ensure the relay remains firmly seated in its socket. Vibrations from vehicle operation can sometimes cause components to loosen over time.
- **Environmental Protection:** Keep the fuse/relay box cover securely closed to protect the components from dust, dirt, and moisture.

## TROUBLESHOOTING

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If the circuit controlled by the relay is not functioning, consider the following troubleshooting steps:

Symptom	Possible Cause	Solution
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Symptom	Possible Cause	Solution
Component (e.g., headlights, horn) does not activate.	<ul style="list-style-type: none"> <li>Blown fuse in the circuit.</li> <li>Faulty relay.</li> <li>Loose connection at the relay socket.</li> <li>Problem with the control switch or wiring.</li> <li>Faulty component itself.</li> </ul>	<ul style="list-style-type: none"> <li>Check and replace associated fuses.</li> <li>Swap the relay with a known good, identical relay from another non-critical circuit (e.g., horn relay) to test.</li> <li>Ensure the relay is fully seated.</li> <li>Inspect wiring and test the control switch.</li> <li>Test the component directly if possible.</li> </ul>
Relay makes a clicking sound but component does not activate.	<ul style="list-style-type: none"> <li>Relay contacts are not making good connection (internal fault).</li> <li>Open circuit in the high-current path (e.g., broken wire, faulty component).</li> <li>Insufficient power to the component.</li> </ul>	<ul style="list-style-type: none"> <li>Replace the relay.</li> <li>Inspect wiring from the relay to the component.</li> <li>Check voltage at the component.</li> </ul>
Relay feels hot or smells burnt.	<ul style="list-style-type: none"> <li>Overload on the circuit.</li> <li>Internal short circuit in the relay.</li> <li>High resistance in the circuit.</li> </ul>	<ul style="list-style-type: none"> <li>Immediately disconnect power. Investigate the cause of the overload.</li> <li>Replace the relay.</li> <li>Inspect wiring for damage or corrosion.</li> </ul>

For complex electrical issues, it is highly recommended to consult a certified automotive electrician or your vehicle's service center.

## SPECIFICATIONS

Key specifications for the Mopar OEM Fuse Relay (Model 68053218aa.2):

Attribute	Value
Brand	Mopar
Item Model Number	68053218aa.2
Product Dimensions	10 x 7 x 2 inches; 1 Pounds
Connector Type	Screw (Note: This might be a generic spec, the relay itself has pins for socket mount)
Contact Type	Normally Open
Mounting Type	Socket Mount
Operation Mode	Automatic
Date First Available	March 23, 2016

*Note: Some specifications are general and may apply to a broader category of relays. Always refer to your vehicle's specific requirements.*

## WARRANTY INFORMATION

Mopar OEM parts are typically covered by a limited warranty against defects in material or workmanship. The exact terms and duration of the warranty may vary depending on the purchase location and specific Mopar warranty policies in effect at the time of purchase.

For detailed warranty information, please retain your proof of purchase and refer to the warranty documentation provided with your vehicle or contact an authorized Mopar dealer or service center. General Mopar parts warranty information can often be found on the official Mopar website.

This warranty typically covers manufacturing defects and does not cover damage resulting from improper installation, misuse, neglect, accident, or unauthorized modification.

## CUSTOMER SUPPORT

For technical assistance, questions regarding compatibility, or warranty claims, please utilize the following resources:

- **Authorized Mopar Dealer:** Your local authorized Chrysler, Jeep, or Dodge dealership is equipped to provide expert advice and service for Mopar parts.
- **Mopar Official Website:** Visit the official Mopar website for product information, service manuals, and contact details. You can often find a "Contact Us" section or a dealer locator.
- **Vehicle Service Manual:** Your vehicle's specific service manual contains detailed diagrams and procedures relevant to electrical components.

When contacting support, please have your vehicle's VIN (Vehicle Identification Number) and the relay's part number (68053218aa.2) readily available.



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### Related Documents - 68053218aa.2

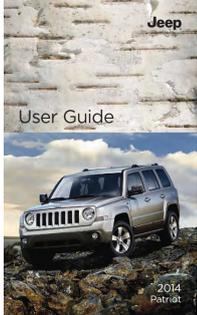
	<p><a href="#">Chrysler, Jeep, Dodge 2009 Vehicle Warranty and Maintenance Guide</a></p> <p>Comprehensive guide to Chrysler, Jeep, and Dodge vehicle warranties and maintenance schedules for 2009 models, covering coverage details, service intervals, and customer assistance.</p>
	<p><a href="#">2013 Ram Truck 1500/2500/3500 Diesel Warranty Information</a></p> <p>Detailed warranty information for 2013 Ram Truck 1500, 2500, and 3500 Diesel models, covering basic, engine, corrosion, powertrain, and emission warranties, along with service procedures and exclusions from Chrysler Group LLC.</p>
	<p><a href="#">Chrysler Group LLC Leads Automotive Industry with Digital Owner's Manuals</a></p> <p>Chrysler Group LLC announces its pioneering move to digital owner's manuals for all 2010 Chrysler, Jeep, and Dodge vehicles, saving paper and enhancing customer convenience with DVDs and concise printed guides.</p>

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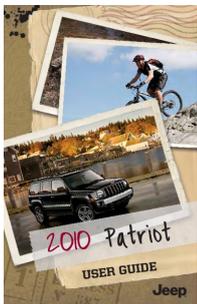
### [2008 Jeep Liberty Warranty and Maintenance Guide](#)

A comprehensive guide to the limited warranties, maintenance schedules, and service information for 2008 Jeep Liberty vehicles from DaimlerChrysler Canada. Covers basic, powertrain, corrosion, and emission warranties, plus roadside assistance and customer support.



### [2014 Jeep Patriot User Guide](#)

Comprehensive user guide for the 2014 Jeep Patriot, covering vehicle operation, features, maintenance, safety, and customer assistance. Includes information on Uconnect systems, off-road capabilities, and emergency procedures.



### [2010 Jeep Patriot User Guide: Operation, Maintenance, and Features](#)

This comprehensive user guide provides essential information for the 2010 Jeep Patriot. It details vehicle operation, controls, electronics, maintenance, safety features, and emergency procedures, ensuring owners can maximize their driving experience. Includes information on Mopar accessories.