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Model: AW-1009 | Brand: Standard Motor Products

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Standard Motor Products AW-1009 Door Jamb Switch. Designed for automotive applications, this switch plays a crucial role in controlling courtesy lights and door ajar indicators, ensuring proper vehicle functionality and safety.

PRODUCT OVERVIEW

The Standard Motor Products AW-1009 is a robust and reliable door jamb switch. It is engineered to meet or exceed OEM specifications, ensuring proper functionality and durability in various vehicle models. This switch is typically found within the door frame, detecting whether a door is open or closed.



A light gray automotive door jamb switch, featuring a cylindrical body with a black rubberized plunger tip and a multi-pin electrical connector at an angle. The switch is designed to detect the open or closed state of a vehicle door.

Key Features

- Courtesy Light Switch functionality
- Compact dimensions: 8.5 H x 2.7 L x 4.2 W (centimeters)
- Lightweight: 0.017 kilograms
- Operation Mode: ON-OFF
- Current Rating: 2 Amps
- Operating Voltage: 120 Volts
- Contact Type: Normally Closed
- Connector Type: Crimp
- International Protection Rating: IP54

SPECIFICATIONS

Attribute	Value
Operation Mode	ON-OFF
Current Rating	2 Amps
Operating Voltage	120 Volts
Contact Type	Normally Closed

Attribute	Value
Connector Type	Crimp
Brand	Standard Motor Products
Terminal	Through Hole
Item dimensions L x W x H	3.83 x 2.58 x 2.5 inches
International Protection Rating	IP54
Number of Positions	2
Control Method	Touch
Connectivity Protocol	X-10
Color	Assorted
Unit Count	1.0 Count
Number of Items	1
Global Trade Identification Number	00727943071620
Manufacturer	Standard Motor Products
UPC	727943071620
Model	AW-1009
Item Weight	0.528 ounces
Product Dimensions	3.83 x 2.58 x 2.5 inches
Country of Origin	USA
Item model number	AW-1009
Exterior	Machined
Manufacturer Part Number	AW-1009
ASIN	B00CL4OJSC
Date First Available	April 30, 2013

SETUP & INSTALLATION

The AW-1009 Door Jamb Switch is designed for direct replacement in compatible vehicles. Installation typically involves accessing the existing switch location within the door frame or door latch assembly. Professional installation is recommended for optimal results.

Installation Steps:

1. **Safety First:** Disconnect the vehicle's battery to prevent electrical shorts before beginning any work on the electrical system.
2. **Locate Existing Switch:** Identify the old door jamb switch. This is usually found near the door latch mechanism or within the door frame. Consult your vehicle's service manual for the exact location.
3. **Remove Old Switch:** Carefully disconnect the electrical connector from the old switch. Then, unmount the old switch from its position. This may require specific tools depending on the vehicle model and how the switch is secured.
4. **Install New Switch:** Connect the electrical connector to the new Standard Motor Products AW-1009 switch. Securely mount the new switch in the designated location. Ensure it is properly seated and aligned to allow for correct plunger operation when the door opens and closes.
5. **Test Functionality:** Reconnect the vehicle's battery. Open and close the door to verify that the courtesy lights operate correctly (turn on when open, off when closed) and that the door ajar indicator (if applicable) functions as expected on your dashboard.
6. **Final Check:** Confirm all connections are secure and there are no loose wires. Ensure the door closes fully without obstruction from the newly installed switch.

OPERATION

The Standard Motor Products AW-1009 Door Jamb Switch operates as a simple ON-OFF mechanism with a Normally Closed contact type. When the vehicle door is open, the switch plunger is extended, which typically completes a circuit to activate the courtesy lights or signals the door's open status to the vehicle's computer. When the door is closed, the plunger is depressed by the door frame, which then opens the circuit, turning off the lights or indicating the door is closed.

MAINTENANCE

The AW-1009 Door Jamb Switch is a sealed unit and requires minimal maintenance. Following these simple guidelines can help ensure its longevity:

- **Cleaning:** Periodically inspect the switch for accumulation of dirt, dust, or debris. Clean with a soft, dry cloth if necessary. Avoid using harsh chemicals, solvents, or abrasive materials, as these can damage the switch's housing or internal components.
- **Inspection:** Check the electrical connector for secure fitment and any signs of wear, corrosion, or damage. A loose or corroded connection can lead to intermittent operation.
- **Avoid Force:** Do not apply excessive force to the switch plunger or attempt to modify the switch. This can damage the internal mechanism and lead to premature failure.

TROUBLESHOOTING

If you experience issues with your door jamb switch, consider the following common problems and their potential solutions:

- **Problem:** Courtesy light remains on when the door is closed.
Solution: The switch may be stuck in the "open" position or faulty. Inspect the switch plunger for obstruction or damage. Ensure the door is fully closing and depressing the plunger. If the switch is not retracting properly, it may need replacement.
- **Problem:** Courtesy light does not turn on when the door is open.
Solution: Check the electrical connection to the switch for looseness or corrosion. Ensure the switch is properly installed and not physically damaged. Verify that the courtesy light bulb itself is functional. If these checks do not resolve the issue, the switch itself might be faulty and require replacement.
- **Problem:** Door ajar warning light stays on (if applicable to your vehicle).
Solution: Similar to the courtesy light issue, this indicates the switch is not registering the door as closed. Inspect the switch and its connection as described above.
- **Problem:** Intermittent operation (light flickers, warning comes and goes).

Solution: This could be due to a loose electrical connection, corrosion on the terminals, or an aging switch with internal wear. Clean connections and ensure they are tight. If the problem persists, replacement of the switch is recommended.

WARRANTY AND SUPPORT

Standard Motor Products stands behind the quality of its products. For specific warranty details, technical support, or information regarding replacement parts, please refer to the official Standard Motor Products website or contact their customer service directly. It is advisable to retain your purchase receipt for any warranty claims or support inquiries.

This product may be subject to a return policy of 30 days for refund or replacement, typically handled by the seller (e.g., Amazon) where purchased. Please consult the retailer's return policy for specific terms and conditions.

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