

Standard Motor Products TW12

Standard Motor Products TW12 Turn Signal Switch
User Manual

Model: TW12

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Standard Motor Products TW12 Turn Signal Switch. Please read this manual thoroughly before installation and use to ensure proper function and safety.

The TW12 is a reliable replacement turn signal switch designed for automotive applications, ensuring proper signaling functionality for safe driving.

PRODUCT SPECIFICATIONS

Attribute	Value
Brand	Standard Motor Products
Model Number	TW12
Manufacturer Part Number	TW-12
Description	Turn Signal Switch
Current Rating	12 Amps
Operating Voltage	12 Volts
Contact Type	Normally Open
Item Dimensions (L x W x H)	6 x 5 x 6 inches
Circuit Type	1-way
Actuator Type	Hinge Lever
Contact Material	Copper
International Protection Rating	IP00

Attribute	Value
Number of Positions	2
Control Method	Touch
Connectivity Protocol	X-10
Wattage	144 watts
Unit Count	1.0 Count
Item Weight	9 ounces
Country Of Origin	Taiwan

SETUP AND INSTALLATION

Installation of the TW12 Turn Signal Switch typically involves replacing an existing faulty switch. Due to the complexity and safety implications of automotive electrical systems, professional installation is highly recommended. If you choose to perform the installation yourself, proceed with caution and consult a vehicle-specific service manual for detailed instructions.

General Installation Steps (Consult Vehicle Manual for Specifics):

- Safety First:** Disconnect the vehicle's battery to prevent electrical shorts and accidental airbag deployment.
- Access the Steering Column:** Remove any necessary trim panels, steering wheel, or airbag modules to gain access to the turn signal switch assembly. Follow your vehicle's service manual for precise disassembly steps.
- Disconnect Old Switch:** Carefully unplug the electrical connectors from the old turn signal switch. Note the routing of wires and connectors.
- Remove Old Switch:** Unbolt or unclip the old switch from its mounting location.
- Install New Switch:** Position the new Standard Motor Products TW12 switch in place and secure it with the original fasteners.
- Connect Wiring:** Reconnect all electrical connectors to the new switch. Ensure connections are secure and properly seated.
- Reassemble:** Reinstall all removed trim panels, steering wheel, and airbag modules in reverse order of removal.
- Test Functionality:** Reconnect the vehicle's battery. Test the turn signals (left, right, hazards), headlights, wipers, and any other functions controlled by the switch to ensure proper operation before driving.

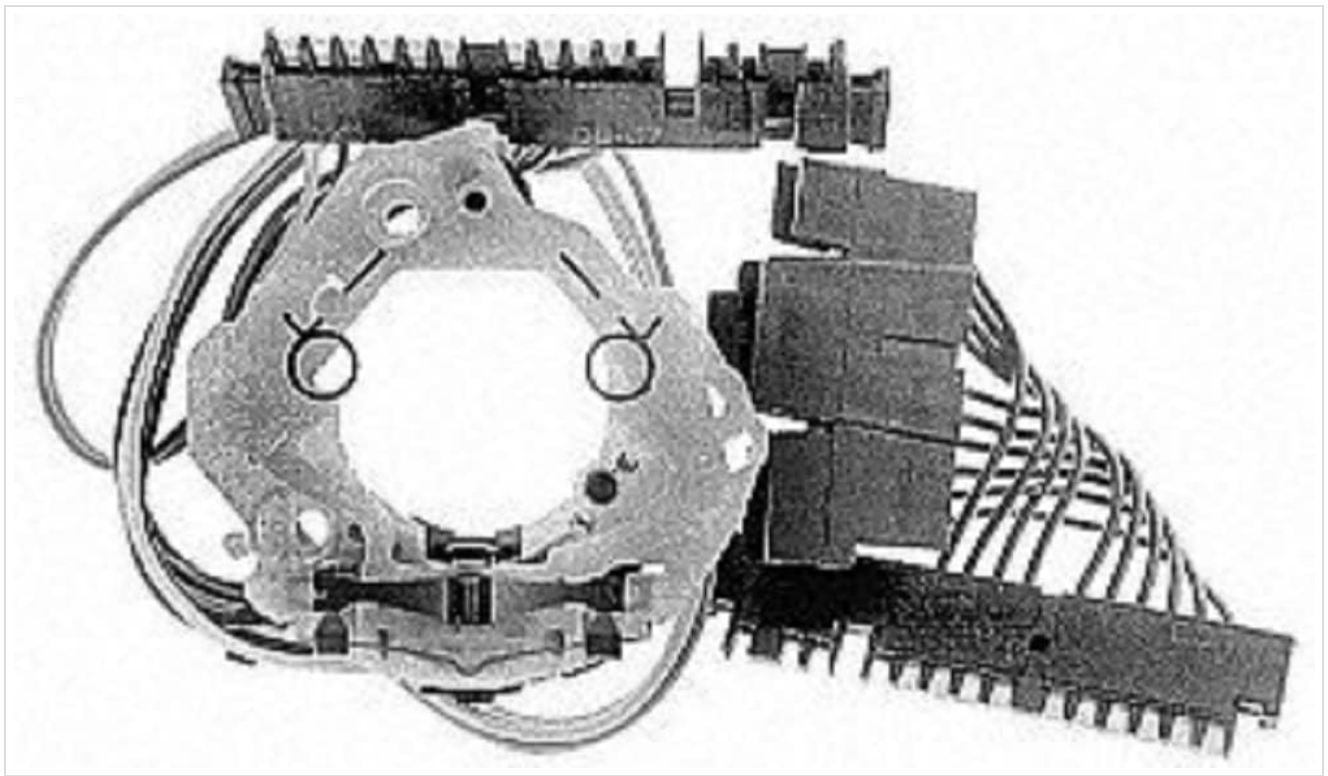


Figure 1: Standard Motor Products TW12 Turn Signal Switch. This image displays the primary component of the turn signal switch, featuring its main body with two prominent circular openings and an attached multi-pin electrical connector assembly extending to the right. The design indicates its internal electrical contacts and connection points for vehicle integration.

OPERATING INSTRUCTIONS

The Standard Motor Products TW12 Turn Signal Switch operates identically to the original equipment switch it replaces. Its primary function is to activate the vehicle's turn signals and often includes controls for other steering column-mounted functions.

Basic Operation:

- **Left Turn Signal:** Push the lever down to activate the left turn signal. The lever will typically return to the center position after the turn is completed (self-canceling).
- **Right Turn Signal:** Push the lever up to activate the right turn signal. The lever will typically return to the center position after the turn is completed (self-canceling).
- **Lane Change Signal (Momentary):** Lightly tap the lever up or down without fully engaging it. This will typically cause the turn signal to flash three times for a quick lane change.
- **Hazard Lights:** The hazard light function is usually activated by a separate button on the dashboard, not directly on the turn signal switch itself. However, the switch is integral to the hazard light circuit.
- **Other Functions:** Depending on your vehicle's configuration, the switch may also control functions such as windshield wipers, high beams, or cruise control. Refer to your vehicle's owner's manual for specific details on these integrated functions.

MAINTENANCE

The Standard Motor Products TW12 Turn Signal Switch is designed for long-term, maintenance-free operation. As an electrical component, it does not require routine lubrication or cleaning.

Important Considerations:

- **Avoid Contaminants:** Keep the area around the switch free from liquids, dust, and debris, which could

potentially interfere with its electrical contacts or mechanical movement.

- **Gentle Operation:** Operate the lever with appropriate force. Excessive force can lead to premature wear or damage to the internal mechanisms.
- **Professional Inspection:** If you notice any unusual resistance, looseness, or intermittent functionality, it is advisable to have the switch inspected by a qualified automotive technician.

TROUBLESHOOTING

If you experience issues with your turn signal switch, consider the following common problems and potential solutions. Note that complex electrical issues may require professional diagnosis.

Common Issues:

- **Turn Signals Not Working (One Side or Both):**
 - **Check Bulbs:** Inspect turn signal bulbs for both front and rear on the affected side. A burnt-out bulb is a common cause.
 - **Check Fuses:** Locate and inspect the fuse for the turn signal circuit in your vehicle's fuse box. Replace if blown.
 - **Flasher Relay:** A faulty flasher relay can cause signals not to flash or to flash too quickly/slowly.
 - **Wiring:** Inspect wiring connections to the switch for looseness or corrosion.
- **Turn Signals Stay On (Do Not Flash):**
 - This often indicates a problem with the flasher relay or a short in the circuit.
- **Turn Signals Flash Too Fast or Too Slow:**
 - **Fast Flash:** Usually indicates a burnt-out bulb on that side or an incorrect bulb type.
 - **Slow Flash:** Can be a sign of a weak flasher relay or low voltage.
- **Other Functions (Wipers, High Beams) Not Working:**
 - If the switch controls multiple functions and only some are failing, it could indicate an internal fault within the switch or a specific circuit issue. Check relevant fuses first.

If basic troubleshooting does not resolve the issue, it is recommended to seek assistance from a certified automotive technician.

WARRANTY AND SUPPORT

Standard Motor Products stands behind the quality of its products. For specific warranty information regarding your TW12 Turn Signal Switch, please refer to the warranty documentation included with your purchase or visit the official Standard Motor Products website. Warranty terms typically cover defects in material and workmanship under normal use.

Customer Support:

For technical assistance, installation questions, or warranty claims, please contact Standard Motor Products customer support. Contact information can usually be found on their official website or on the product packaging.

Website: www.smpcorp.com (Example link, verify actual URL)

Always provide your product model number (TW12) and any relevant purchase details when contacting support.

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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Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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