

[Manuals.plus](#) /

› [Standard Motor Products](#) /

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Standard Motor Products S-1479

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1. PRODUCT OVERVIEW

This manual provides essential instructions for the installation, operation, and maintenance of the Standard Motor Products S-1479 Accelerator Pedal Sensor Electrical Connector. This component is designed to replace or repair the electrical connection to an accelerator pedal sensor in compatible automotive applications.



Figure 1: Standard Motor Products S-1479 Accelerator Pedal Sensor Electrical Connector with included heat shrink butt connectors. This image displays the main connector body, the bundled wires, and several orange heat shrink butt connectors.

2. COMPONENTS INCLUDED

The package for the S-1479 Electrical Connector typically includes the following:

- One (1) S-1479 Electrical Connector with pre-attached wires.
- Heat shrink butt connectors for splicing (quantity may vary).



Figure 2: Close-up view of the S-1479 electrical connector and included heat shrink butt connectors. This image provides a detailed look at the connector's pins and the translucent orange butt connectors.

3. INSTALLATION INSTRUCTIONS

Safety First: Before beginning any automotive electrical work, ensure the vehicle's battery is disconnected to prevent electrical shock or damage to vehicle systems. Consult your vehicle's service manual for specific procedures related to your make and model.

1. **Identify the Original Connector:** Locate the existing accelerator pedal sensor connector that needs replacement.
2. **Disconnect:** Carefully disconnect the old connector from the accelerator pedal sensor.
3. **Prepare Wires:** Cut the wires leading to the old connector, leaving enough length to splice the new connector. Strip approximately 1/4 to 3/8 inch of insulation from the ends of both the vehicle's wiring harness and the new S-1479 connector's wires.
4. **Match Wires:** It is critical to match the wires correctly. Refer to your vehicle's wiring diagram to ensure each wire from the new S-1479 connector is spliced to the corresponding wire on the vehicle's harness. Incorrect wiring can cause system malfunctions.
5. **Splice Connections:**
 - Insert one stripped end of a vehicle wire and one stripped end of a corresponding S-1479 wire into a heat shrink butt connector.
 - Using a crimping tool, firmly crimp the connector onto both wires to ensure a secure mechanical and electrical connection.
 - Apply heat to the butt connector with a heat gun until the tubing shrinks tightly around the wires and sealant (if present) flows out, creating a waterproof seal.
 - Repeat for all wires.
6. **Secure Wiring:** Ensure all connections are secure and insulated. Route the new wiring safely away from moving parts or heat sources.
7. **Connect to Sensor:** Plug the new S-1479 connector firmly into the accelerator pedal sensor. Ensure the locking tab engages.
8. **Reconnect Battery:** Reconnect the vehicle's battery.

9. **Test System:** Start the vehicle and test the accelerator pedal's response to ensure proper function. Check for any diagnostic trouble codes (DTCs).



Figure 3: Side view of the S-1479 electrical connector, showing the locking tab mechanism. This image highlights the design of the connector for secure attachment.

4. OPERATION

The Standard Motor Products S-1479 Electrical Connector serves as a critical link between the vehicle's wiring harness and the accelerator pedal sensor. Its function is to transmit electrical signals from the accelerator pedal sensor to the vehicle's engine control unit (ECU). The accelerator pedal sensor converts the physical position of the pedal into an electrical signal, which the ECU uses to determine engine power output. The connector ensures a reliable and stable electrical pathway for these signals.

5. MAINTENANCE

The S-1479 Electrical Connector is designed for long-term reliability and typically requires minimal maintenance once properly installed. However, periodic inspection can help ensure continued performance:

- **Visual Inspection:** Periodically check the connector and its wiring for any signs of damage, corrosion, fraying, or loose connections.
- **Cleanliness:** Keep the connector free from dirt, moisture, and debris. If cleaning is necessary, use an electrical contact cleaner and ensure it is completely dry before reconnecting.
- **Secure Fit:** Ensure the connector remains securely plugged into the accelerator pedal sensor.

6. TROUBLESHOOTING

If you experience issues after installing the S-1479 Electrical Connector, consider the following troubleshooting steps:

- **No Start or Limp Mode:** If the vehicle does not start or enters "limp mode" immediately after installation, this often indicates an issue with the accelerator pedal sensor signal.
- **Check Wiring:** Double-check all wire splices for correct matching (e.g., color-to-color, or according to wiring diagram) and ensure crimps are secure. A loose or incorrect connection is a common cause of malfunction.
- **Verify Connection:** Ensure the connector is fully seated and locked into the accelerator pedal

sensor.

- **Inspect for Damage:** Look for any bent pins within the connector or damage to the wires.
- **Diagnostic Scan:** Use an OBD-II scanner to check for diagnostic trouble codes (DTCs) related to the accelerator pedal position sensor or throttle body. These codes can help pinpoint the exact nature of the problem.
- **Professional Assistance:** If issues persist after basic troubleshooting, it is recommended to consult a qualified automotive technician.

7. SPECIFICATIONS

Attribute	Detail
Brand	Standard Motor Products
Model Number	S-1479
Product Type	Electrical Connector
Item Weight	3.2 ounces
Product Dimensions	2.8 x 2.8 x 7.1 inches
Exterior Finish	Machined
Country of Origin	China

8. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your Standard Motor Products S-1479 Electrical Connector, please refer to the official Standard Motor Products website or contact their customer service department directly. Keep your purchase receipt as proof of purchase.

Manufacturer: Standard Motor Products