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› Standard Motor Products S-1419 Connector Instruction Manual

Standard Motor Products S-1419

Standard Motor Products S-1419 Connector Instruction Manual

Model: S-1419

1. INTRODUCTION

This manual provides essential information for the proper installation, use, and maintenance of the Standard Motor Products S-1419 Connector. Please read this manual thoroughly before attempting any installation or use to ensure safe and effective operation.

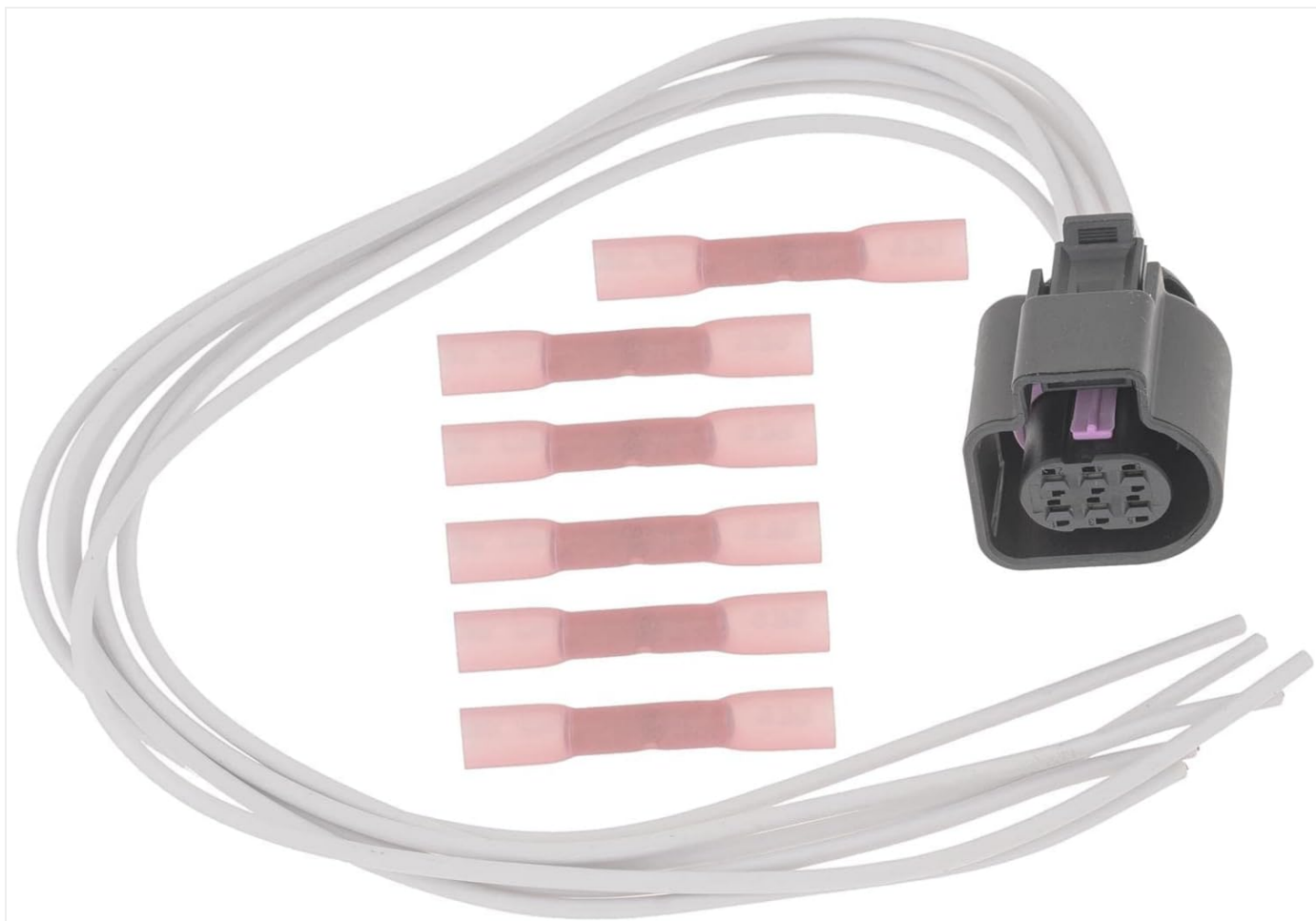


Figure 1: Overview of the S-1419 Connector kit, showing the main connector body, pre-attached wires, and included heat shrink butt

connectors for secure electrical connections.

2. SAFETY INFORMATION

Always observe the following safety precautions:

- Disconnect the vehicle's battery before performing any electrical work to prevent short circuits or electrical shock.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves.
- Ensure all connections are secure and properly insulated to prevent electrical hazards.
- Consult a qualified automotive technician if you are unsure about any installation steps.
- Do not modify the connector or its components.

3. WHAT'S IN THE BOX

The Standard Motor Products S-1419 Connector package typically includes:

- 1 x S-1419 Electrical Connector with pre-attached wires
- Multiple heat shrink butt connectors (quantity may vary, typically one per wire)



Figure 2: Contents of the S-1419 Connector package, illustrating the main connector assembly and the included heat shrink butt connectors.

4. INSTALLATION GUIDE

This section outlines the general steps for installing the S-1419 Connector. Specific vehicle applications may require additional steps or tools. Always refer to your vehicle's service manual for detailed wiring diagrams and procedures.

4.1 Tools Required

- Wire strippers
- Crimping tool
- Heat gun (for heat shrink connectors)
- Multimeter (for testing connections)

- Electrical tape or additional heat shrink tubing (optional)

4.2 Installation Steps

1. **Preparation:** Ensure the vehicle's battery is disconnected. Identify the faulty or damaged connector that needs replacement.
2. **Wire Identification:** Carefully note the color and position of each wire connected to the old connector. It is highly recommended to take photos or draw a diagram.
3. **Cutting Wires:** Cut the wires leading to the old connector, leaving enough length to work with.
4. **Stripping Wires:** Strip approximately 0.5 inches (1.27 cm) of insulation from the ends of the vehicle's wires and the new S-1419 connector's wires.
5. **Crimping Connections:**
 - Slide a heat shrink butt connector onto one of the vehicle's wires.
 - Insert the stripped end of the corresponding wire from the S-1419 connector into the other end of the butt connector.
 - Using a crimping tool, firmly crimp both ends of the butt connector to secure the wires.
 - Repeat this process for all wires, ensuring correct wire-to-wire matching based on your diagram.
6. **Heat Shrinking:** Apply heat evenly to each heat shrink butt connector using a heat gun until the connector shrinks tightly around the wires and sealant (if present) oozes out, creating a waterproof seal.
7. **Securing Wires:** Route the new connector and wires securely, away from moving parts or heat sources. Use zip ties or clips if necessary.
8. **Testing:** Reconnect the vehicle's battery. Test the circuit to ensure the new connector is functioning correctly.



Figure 3: Detailed view of the S-1419 Connector's interface, highlighting the precise pin layout for accurate wiring.

5. OPERATION

The S-1419 Connector is a passive electrical component designed to provide a secure and reliable connection within an automotive electrical system. Once properly installed, it functions by allowing electrical current to flow through its terminals, facilitating the operation of the connected component (e.g., sensor, light, module). No user interaction is required for its operation after installation, beyond ensuring the connection remains secure and free from damage.

6. MAINTENANCE

The S-1419 Connector is designed for long-term reliability and typically requires minimal maintenance. However, periodic inspection can help ensure its continued performance:

- **Visual Inspection:** Periodically check the connector and its wiring for any signs of physical damage, corrosion, fraying wires, or loose connections.
- **Cleanliness:** Keep the connector free from dirt, moisture, and debris. If cleaning is necessary, use a non-conductive electrical contact cleaner and allow it to dry completely before reconnecting power.
- **Security:** Ensure the connector remains firmly seated and that any securing clips or latches are engaged.

7. TROUBLESHOOTING

If you experience issues with the component connected via the S-1419 Connector, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Component not functioning after connector replacement.	Incorrect wiring during installation.	Verify wire connections against original diagram or vehicle's wiring schematic. Ensure correct polarity and pin assignment.
Intermittent component operation.	Loose or corroded connection at the connector or crimped joints.	Inspect connections for looseness or corrosion. Re-crimp or clean as necessary. Ensure heat shrink is fully sealed.
No power to the component.	Blown fuse in the circuit.	Check the vehicle's fuse box and replace any blown fuses. Investigate why the fuse blew (e.g., short circuit).
Physical damage to the connector or wires.	Abrasion, impact, or excessive heat exposure.	If damage is significant, the connector may need to be replaced again. Ensure proper routing to prevent future damage.

If troubleshooting steps do not resolve the issue, it is recommended to consult a professional automotive technician.

8. SPECIFICATIONS

Attribute	Detail
Model Number	S-1419
Brand	Standard Motor Products
Product Type	Electrical Connector
Item Weight	0.01 ounces (approx. 0.28 grams)
Product Dimensions (L x W x H)	2.75 x 2.75 x 7.13 inches (approx. 6.98 x 6.98 x 18.11 cm)
Exterior Finish	Machined
Country of Origin	Mexico
First Available Date	July 7, 2004

9. WARRANTY AND SUPPORT

Specific warranty information for the Standard Motor Products S-1419 Connector is typically provided at the point of purchase or can be found on the official Standard Motor Products website. Please retain your proof of purchase for warranty claims.

For technical support or further inquiries, please contact Standard Motor Products directly through their official channels. Visit their website for contact information and additional resources.

Note: This manual provides general guidance. Always refer to the latest information from the manufacturer and consult a qualified professional for complex installations or repairs.

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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