

Standard Motor Products S819

Standard Motor Products S819 Pigtail/Socket Instruction Manual

This manual provides detailed instructions for the installation, operation, and maintenance of the Standard Motor Products S819 Pigtail/Socket.

1. PRODUCT OVERVIEW

The Standard Motor Products S819 is an automotive electrical pigtail/socket designed for various applications. It serves as a replacement or repair component for electrical connections in vehicles, ensuring reliable current flow to critical systems.



Image 1.1: The Standard Motor Products S819 Pigtail/Socket. This image displays the black plastic connector housing with two wires, one black and one white, extending from it. The ends of the wires are stripped, revealing copper strands.

2. INSTALLATION GUIDE

2.1 Safety Precautions

- Always disconnect the vehicle's battery before performing any electrical work to prevent electrical

shock or damage to components.

- Consult your vehicle's service manual for specific wiring diagrams and procedures relevant to your application.
- Wear appropriate personal protective equipment, such as safety glasses and gloves.
- Ensure the vehicle is turned off and the ignition key is removed.

2.2 Identifying the Component

The S819 pigtail/socket is typically utilized for connecting various automotive electrical components, such as sensors, ignition coils, or lighting fixtures. Verify that this component matches the required specifications for your specific repair.

2.3 Installation Steps

1. **Locate and Disconnect:** Identify the existing pigtail/socket that requires replacement. Carefully disconnect it from the electrical component and the vehicle's wiring harness.
2. **Prepare Wiring:** If splicing is required, carefully cut the old pigtail wires. Strip approximately 1/4 to 1/2 inch of insulation from the ends of the vehicle's wiring and the new S819 pigtail wires.
3. **Connect Wires:** Connect the wires of the S819 pigtail to the corresponding wires of the vehicle's harness. Ensure correct polarity (matching wire colors, if applicable, or following vehicle-specific diagrams). Use appropriate electrical connectors such as crimp connectors, solder, or heat-shrink butt connectors for a secure and insulated connection.
4. **Secure Connections:** Ensure all wire connections are robust and properly insulated to prevent short circuits or corrosion.
5. **Connect Socket:** Firmly plug the S819 socket onto the pins of the electrical component it is intended to power or communicate with. Ensure it clicks into place securely.
6. **Reconnect Battery:** Once all connections are secure and verified, reconnect the vehicle's battery.
7. **Test Functionality:** Start the vehicle and test the functionality of the component connected via the new S819 pigtail/socket to ensure proper operation.

Your browser does not support the video tag.

Video 2.1: This video demonstrates the assembly and connection process for a similar automotive electrical connector. It shows how wires are inserted and secured into the connector housing, which can be helpful for understanding the installation of the S819 pigtail/socket.

3. OPERATING PRINCIPLES

The S819 pigtail/socket functions as a critical electrical interface within your vehicle's system. Once correctly installed, it provides a stable and protected pathway for electrical signals and power between the vehicle's main wiring harness and the specific component it connects to. Its design ensures a secure fit, minimizing the risk of disconnections or electrical interference under normal operating conditions.

4. MAINTENANCE AND CARE

To ensure the longevity and reliable performance of your S819 pigtail/socket, consider the following maintenance guidelines:

- **Regular Inspection:** Periodically inspect the pigtail and socket for any visible signs of wear, such as frayed wires, cracked insulation, or corrosion on the terminals.
- **Connection Security:** Ensure that the socket remains firmly connected to the component and that any spliced wire connections are secure and properly insulated.

- **Environmental Protection:** While designed for automotive environments, avoid exposing the component to excessive moisture, harsh chemicals, or extreme physical stress that could compromise its integrity.
- **Cleaning:** If necessary, gently clean the exterior of the socket with a dry, soft cloth. Avoid using abrasive cleaners or solvents.

5. TROUBLESHOOTING

If you experience issues after installing the S819 pigtail/socket, refer to the following common troubleshooting steps:

- **No Power or Intermittent Function:**
 - Verify that the vehicle's battery is fully charged and properly connected.
 - Check all wire connections for tightness and proper insulation. Loose or corroded connections can interrupt power flow.
 - Ensure correct wire polarity if applicable. Incorrect wiring can prevent component operation.
 - Inspect the vehicle's fuse box for any blown fuses related to the circuit.
- **Component Not Engaging or Responding:**
 - Confirm that the S819 socket is fully and securely seated onto the pins of the electrical component.
 - Inspect the component's pins and the socket's terminals for any bending, damage, or debris that might prevent proper contact.
- **Visible Damage to Pigtail/Socket:**
 - If the pigtail wires are frayed, insulation is cracked, or the socket housing is damaged, the component should be replaced to ensure safety and proper function.

6. PRODUCT SPECIFICATIONS

Attribute	Detail
Brand	Standard Motor Products
Model Number	S819
Manufacturer Part Number	S-819
Product Dimensions (L x W x H)	2 x 1.4 x 3.4 inches
Item Weight	0.32 ounces
Country Of Origin	China
UPC	091769618865
Exterior	Machined

7. SUPPORT INFORMATION

For further assistance, technical inquiries, or information regarding warranty coverage for the Standard

Motor Products S819 Pigtail/Socket, please refer to the official Standard Motor Products website or contact their customer service department directly. Contact details can typically be found on their official website or product packaging.