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› Standard Motor Products S820 Pigtail/Socket User Manual

Standard Motor Products S820

Standard Motor Products S820 Pigtail/Socket User Manual

Model: S820 | Brand: Standard Motor Products

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Standard Motor Products S820 Pigtail/Socket. Please read these instructions carefully before beginning any work to ensure safety and optimal performance of the product.

PRODUCT OVERVIEW



Image: The Standard Motor Products S820 Pigtail/Socket, featuring a black plastic connector housing with a yellow internal component and two white insulated wires extending from it, terminating in bare metal contacts.

The Standard Motor Products S820 is a pigtail/socket assembly designed for automotive electrical connections. It provides a reliable interface for various electrical components within a vehicle's system. This product is manufactured to meet specific automotive standards, ensuring compatibility and durability.

What's in the Box:

- 1 x Standard Motor Products S820 Pigtail/Socket

SPECIFICATIONS

Attribute	Value
Brand	Standard Motor Products
Model	S820 (Pigtail)
Manufacturer Part Number	S820
OEM Part Number	5014002AA
Product Dimensions (L x W x H)	2 x 1.4 x 3.4 inches
Item Weight	0.32 ounces (0.02 Pounds)

Attribute	Value
Material	Metal (contacts), Plastic (housing)
Country of Origin	China
UPC	091769618889

Setup and Installation

Proper installation is crucial for the reliable operation of the pigtail/socket. Always ensure the vehicle's battery is disconnected before performing any electrical work.

Safety Precautions:

- Disconnect the vehicle's negative battery terminal before starting.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the work area is well-ventilated and free from flammable materials.

Installation Steps:

1. **Identify the Original Component:** Locate the existing pigtail or socket that needs replacement. Note its wiring configuration and connection points.
2. **Remove Old Component:** Carefully disconnect the old pigtail/socket from the electrical component and the vehicle's wiring harness. This may involve releasing clips or cutting wires.
3. **Prepare Wires:** If cutting wires, ensure sufficient length remains on the vehicle's harness for a secure connection. Strip a small amount of insulation from the ends of the vehicle's wires and the new S820 pigtail wires.
4. **Connect Wires:** Connect the wires of the new S820 pigtail to the vehicle's wiring harness. Use appropriate electrical connectors (e.g., crimp connectors, solder and heat shrink) to ensure a strong, insulated, and weather-resistant connection. Match wire functions (e.g., power to power, ground to ground).
5. **Secure Connection:** Once wired, connect the S820 socket end to the corresponding electrical component (e.g., sensor, light bulb). Ensure it clicks securely into place.
6. **Test Functionality:** Reconnect the vehicle's negative battery terminal. Test the electrical component to ensure it functions correctly with the new pigtail/socket.
7. **Route and Secure Wiring:** Route the new wiring safely away from moving parts, hot surfaces, and sharp edges. Use zip ties or clips to secure the wiring as needed.

Operation

The Standard Motor Products S820 Pigtail/Socket is a passive electrical component. Its operation is integral to the function of the device it connects to. Once properly installed, it facilitates the flow of electrical current between the vehicle's wiring harness and the connected component (e.g., a sensor, light, or motor). It does not have user-adjustable settings or controls.

Ensure the connection remains secure and free from debris or moisture to maintain optimal electrical conductivity.

Maintenance

The S820 Pigtail/Socket requires minimal maintenance. Regular inspection can help ensure its longevity and proper function.

- **Visual Inspection:** Periodically inspect the pigtail and socket for any signs of wear, cracking, fraying wires, corrosion on terminals, or heat damage.
- **Cleanliness:** Keep the connection points clean and free of dirt, grease, and moisture. Use an electrical contact cleaner if necessary, ensuring it is safe for plastic and rubber components.
- **Secure Connection:** Verify that the socket remains firmly seated in its mating component and that the wire connections are secure.
- **Environmental Protection:** If the pigtail is exposed to harsh conditions, consider adding additional protective measures like dielectric grease to the terminals or wrapping connections with electrical tape or heat shrink tubing for enhanced moisture resistance.

TROUBLESHOOTING

If the connected component is not functioning as expected, consider the following troubleshooting steps related to the pigtail/socket:

Problem	Possible Cause	Solution
Component not receiving power	Loose or corroded wire connections at the pigtail.	Inspect and secure all wire connections. Clean any corrosion.
Intermittent component operation	Poor contact between the pigtail socket and the component's terminals.	Ensure the socket is fully seated and locked. Check for bent or damaged pins on either side.
Visible damage to pigtail/socket	Physical impact, excessive heat, or chemical exposure.	Replace the pigtail/socket if damaged. Address the root cause of the damage.
Wires overheating or melting	Overload, short circuit, or incorrect wire gauge used in repair.	Immediately disconnect power. Diagnose the electrical system for shorts or overcurrent. Ensure correct wire gauge is used for the application.

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

WARRANTY AND SUPPORT

Standard Motor Products provides a warranty for its products against defects in material and workmanship. Specific warranty terms, conditions, and duration may vary. Please refer to the official Standard Motor Products website or contact their customer support for detailed warranty information and assistance.

For technical support or inquiries regarding the S820 Pigtail/Socket, please visit the [Standard Motor Products official website](#) or contact their customer service department directly.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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