

[Manuals.plus](#) /

› [Standard Motor Products](#) /

› Standard Motor Products HS-419 Heater Switch User Manual

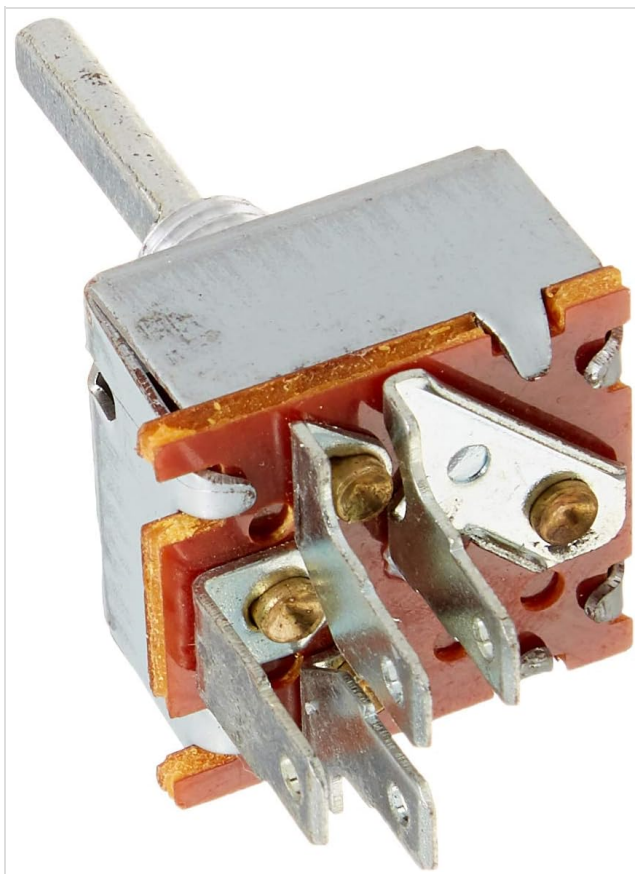
Standard Motor Products HS-419

Standard Motor Products HS-419 Heater Switch User Manual

Model: HS-419

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Standard Motor Products HS-419 Heater Switch. Please read this manual thoroughly before installation and retain it for future reference. This product is designed as a direct replacement part for specific automotive applications.



This image displays the Standard Motor Products HS-419 Heater Switch. It features a metallic toggle lever at the top, a grey metallic housing, and a brown base with multiple metallic terminals secured by screws. The terminals are designed for electrical connections within a vehicle's heating system.

2. SAFETY INFORMATION

Always observe the following safety precautions when handling or installing electrical components in a vehicle. Failure to do so may result in injury or damage to the vehicle.

- Disconnect the vehicle's battery before beginning any electrical work to prevent accidental short circuits or electrical shock.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the replacement part is compatible with your vehicle's make, model, and year. Refer to your vehicle's service manual for specific wiring diagrams and procedures.
- If you are unsure about any step of the installation process, seek assistance from a qualified automotive technician.
- Do not modify the switch or its wiring. Use only specified connectors and tools.

3. WHAT'S IN THE BOX

Upon opening the package, you should find the following item:

- 1 x Standard Motor Products HS-419 Heater Switch

4. SPECIFICATIONS

Detailed technical specifications for the HS-419 Heater Switch:

Specification	Value
Product Type	Auto Part
Model Number	HS-419
Operation Mode	ON-OFF
Current Rating	20 Amps
Operating Voltage	5 Volts
Contact Type	Normally Open
Connector Type	Crimp
Terminal Type	Screw
Item Dimensions (L x W x H)	1.5 x 1.2 x 2.9 inches (3.6 x 5.3 x 9.1 cm)
Contact Material	Copper, Phosphor Bronze, Silver, Nickel, Brass, Alloy Steel, Gold

Specification	Value
International Protection Rating	IP00
Country of Origin	China
Item Weight	0.01 ounces

5. SETUP AND INSTALLATION

The HS-419 Heater Switch is designed for direct replacement. Professional installation is recommended. Always refer to your vehicle's specific service manual for detailed instructions and wiring diagrams relevant to your vehicle's make and model.

General Installation Steps:

- 1. Preparation:** Park the vehicle on a level surface and engage the parking brake. Ensure the engine is off and cool.
- 2. Disconnect Battery:** Disconnect the negative (-) terminal of the vehicle's battery to prevent electrical hazards.
- 3. Access Old Switch:** Locate the existing heater switch in your vehicle. This typically involves removing dashboard panels or trim pieces. Consult your vehicle's service manual for exact access procedures.
- 4. Remove Old Switch:** Carefully disconnect the electrical connectors from the old switch. Note the position and color of each wire if not clearly marked. Remove any mounting hardware securing the old switch.
- 5. Install New Switch:** Position the new HS-419 Heater Switch in the mounting location. Secure it with the appropriate mounting hardware.
- 6. Connect Wiring:** Reconnect the electrical connectors to the new switch. Ensure all connections are secure and match the original configuration.
- 7. Reassemble:** Reinstall any dashboard panels or trim pieces that were removed.
- 8. Reconnect Battery:** Reconnect the negative (-) terminal of the vehicle's battery.
- 9. Test Functionality:** Start the vehicle and test the operation of the heater system and the new switch to ensure it functions correctly across all settings.

6. OPERATING INSTRUCTIONS

The Standard Motor Products HS-419 Heater Switch operates as an ON-OFF control for your vehicle's heating system. Its function is to complete or break an electrical circuit, typically controlling the blower motor or other heater components.

- To activate the heater function, move the switch to the 'ON' position.
- To deactivate the heater function, move the switch to the 'OFF' position.

Specific control over fan speeds or temperature settings will depend on other components of your vehicle's HVAC system and are not directly controlled by this ON-OFF switch.

7. MAINTENANCE

The HS-419 Heater Switch is a sealed electrical component and requires minimal maintenance. Regular vehicle maintenance practices will help ensure its longevity.

- **Keep Connections Clean:** Periodically inspect the wiring connections to the switch for corrosion or looseness. Clean any visible corrosion with a suitable electrical contact cleaner.
- **Avoid Excessive Force:** Do not apply excessive force when operating the switch. Smooth, deliberate movements are sufficient.
- **Protect from Moisture:** While the switch has an IP00 rating, meaning it offers no special protection against water ingress, ensure the area around the switch remains dry and free from excessive moisture or liquids.

8. TROUBLESHOOTING

If you experience issues with your heater switch, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Heater fan does not turn ON.	Blown fuse, faulty wiring, faulty blower motor, or faulty switch.	Check vehicle's fuse box for a blown fuse related to the heater/blower. Inspect wiring for damage. Test blower motor. If other components are functional, the switch may be faulty and require replacement.
Switch feels loose or does not stay in position.	Damaged mounting, internal mechanical failure of the switch.	Inspect mounting hardware and dashboard integrity. If the switch itself is mechanically compromised, it needs replacement.
Intermittent heater operation.	Loose electrical connections, intermittent fault within the switch, or issues with other components in the heater circuit.	Ensure all electrical connections are tight and clean. If the issue persists, further diagnostic testing of the switch and related circuits by a professional is recommended.

If troubleshooting steps do not resolve the issue, it is advisable to consult a certified automotive technician for diagnosis and repair.

9. WARRANTY AND SUPPORT

Standard Motor Products stands behind the quality of its products. For specific warranty information regarding your HS-419 Heater Switch, please refer to the warranty documentation provided with your purchase or visit the official Standard Motor Products website.

For technical support, installation assistance, or warranty claims, please contact Standard Motor Products customer service through their official channels. Have your product model number (HS-419) and purchase details ready when contacting support.

Note: This manual provides general guidance. Always prioritize information from your vehicle's manufacturer service manual.

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

Open the live page

<https://manuals.plus/asin/B005F9KEUC>

More documents and user manuals: <https://manuals.plus/>