

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Standard Motor Products](#) /
- › [Standard Motor Products HS242 Blower Switch User Manual](#)

## Standard Motor Products HS242

# Standard Motor Products HS242 Blower Switch User Manual

Model: HS242

### INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Standard Motor Products HS242 Blower Switch. The HS242 is designed as a direct replacement component for automotive HVAC systems, controlling the blower motor speed. Please read these instructions thoroughly before proceeding with installation or use to ensure safe and effective operation.



Image: The official logo for Standard Motor Products, featuring "SMP" with a stylized blue swirl and the full company name below.

### SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical work to prevent electrical shock or damage to the vehicle's electrical system.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves, during installation.
- Ensure the replacement part matches the original specifications for your vehicle. Consult your vehicle's service manual for specific procedures and torque specifications.
- If you are unsure about any step, seek assistance from a qualified automotive technician.

### SETUP AND INSTALLATION

The installation of the HS242 Blower Switch typically involves replacing an existing faulty switch. The exact procedure may vary depending on your vehicle's make and model. Refer to your vehicle's specific service manual for detailed instructions.

1. **Preparation:** Park the vehicle on a level surface and engage the parking brake. Disconnect the negative terminal of the vehicle's battery.
2. **Access the Blower Switch:** Locate the blower switch assembly. This often requires removing dashboard trim panels or accessing the HVAC unit from under the dashboard.
3. **Disconnect Wiring:** Carefully disconnect the electrical connector(s) from the old blower switch. Note the orientation of the wiring if not keyed.
4. **Remove Old Switch:** Unfasten any mounting screws or clips securing the old blower switch and remove it from its housing.
5. **Install New Switch:** Position the new Standard Motor Products HS242 Blower Switch into the housing. Secure it with the original mounting screws or clips.
6. **Connect Wiring:** Reconnect the electrical connector(s) to the new switch, ensuring a secure connection.
7. **Reassemble:** Reinstall any removed trim panels or components.
8. **Test Functionality:** Reconnect the vehicle's battery. Turn the ignition to the "ON" position (without starting the engine) and test the blower switch at all speed settings to ensure proper operation of the blower motor.

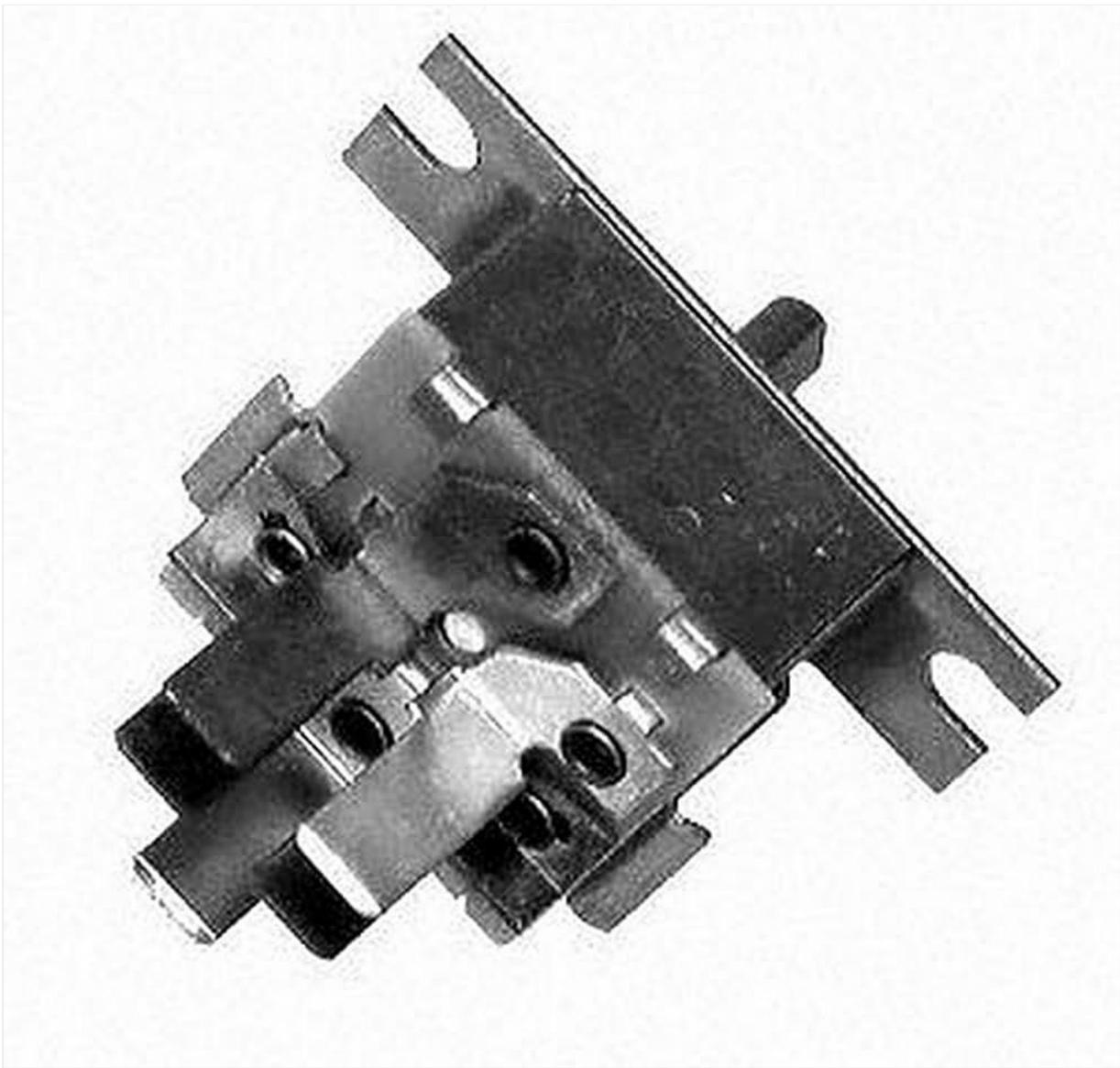


Image: A close-up view of the Standard Motor Products HS242 Blower Switch, showing its electrical connectors and housing.

## OPERATING INSTRUCTIONS

---

The Standard Motor Products HS242 Blower Switch functions as a control for your vehicle's HVAC blower motor. Its operation is straightforward:

- **Power On/Off:** The switch typically has an "OFF" position and multiple speed settings. Rotate or slide the switch to the desired speed setting to activate the blower motor.
- **Speed Control:** Move the switch through its various positions to increase or decrease the fan speed for the vehicle's heating or air conditioning system.
- **System Integration:** The blower switch works in conjunction with other HVAC controls (e.g., temperature control, mode selection) to deliver conditioned air into the cabin.

## MAINTENANCE

---

The Standard Motor Products HS242 Blower Switch is a sealed electrical component and generally requires no routine maintenance. However, to ensure its longevity and proper function:

- **Keep Dry:** Avoid exposing the switch or its connectors to excessive moisture or liquids.

- **Cleanliness:** If the switch is exposed, keep the surrounding area free from dust and debris. Use a soft, dry cloth for cleaning.
- **Inspect Wiring:** Periodically inspect the wiring harness connected to the switch for any signs of wear, fraying, or corrosion. Address any issues promptly.
- **Professional Inspection:** During routine vehicle maintenance, have a qualified technician inspect all electrical components, including the blower switch, for optimal performance.

## TROUBLESHOOTING

If you experience issues with your vehicle's blower motor after installing or using the HS242 Blower Switch, consider the following common troubleshooting steps:

Symptom	Possible Cause	Solution
Blower motor does not operate at any speed.	<ul style="list-style-type: none"> <li>◦ Blown fuse.</li> <li>◦ Faulty blower motor.</li> <li>◦ Wiring issue.</li> <li>◦ Faulty blower motor resistor (if applicable).</li> </ul>	<ul style="list-style-type: none"> <li>◦ Check and replace the appropriate fuse in the vehicle's fuse box.</li> <li>◦ Test the blower motor directly for power and ground.</li> <li>◦ Inspect wiring for breaks or loose connections.</li> <li>◦ Test or replace the blower motor resistor.</li> </ul>
Blower motor only works on high speed.	<ul style="list-style-type: none"> <li>◦ Faulty blower motor resistor.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Replace the blower motor resistor.</li> </ul>
Intermittent blower operation.	<ul style="list-style-type: none"> <li>◦ Loose electrical connection.</li> <li>◦ Corroded terminals.</li> <li>◦ Failing blower motor or switch.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Inspect and secure all connections.</li> <li>◦ Clean any corroded terminals.</li> <li>◦ Further diagnosis by a professional may be required.</li> </ul>

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

## SPECIFICATIONS

- **Model:** HS242
- **Brand:** Standard Motor Products
- **Switch Type:** Blower Switch
- **Operation Mode:** Motor, Electrical
- **Current Rating:** 20 Amps
- **Operating Voltage:** 5 Volts
- **Contact Type:** Normally Open
- **Connector Type:** Crimp
- **Terminal Type:** Screw
- **Material:** Copper
- **Product Dimensions (L x W x H):** 5.1 x 3.7 x 8.6 Centimetres (approx. 2.0 x 1.4 x 3.4 inches)

- **Item Weight:** 18.1 grams (approx. 0.04 pounds)
- **Country Of Origin:** China



Image: A collection of various automotive components, including sensors, valves, and an AC compressor, showcasing the range of products from Standard Motor Products.

## WARRANTY INFORMATION

Standard Motor Products provides a limited warranty on its products. For specific warranty terms, conditions, and duration applicable to the HS242 Blower Switch, please refer to the official Standard Motor Products website or contact their customer service directly. Retain your proof of purchase for warranty claims.

*Note: Warranty coverage typically applies to defects in material and workmanship under normal use and service. Improper installation or misuse may void the warranty.*

## CUSTOMER SUPPORT

For technical assistance, installation questions, or further product information regarding the Standard Motor Products HS242 Blower Switch, please visit the official Standard Motor Products website or contact their customer support department.

**Official Website:** [www.smpcorp.com](http://www.smpcorp.com)

*Please have your product model number (HS242) and any relevant vehicle information ready when contacting support.*

© 2023 Standard Motor Products. All rights reserved.

This manual is for informational purposes only. Standard Motor Products is not responsible for any damages or injuries resulting from improper installation or use of this product.

