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Standard Motor Products HS-517

Standard Motor Products HS-517 Blower Motor Resistor Switch User Manual

INTRODUCTION

This manual provides essential information for the installation, operation, maintenance, and troubleshooting of the Standard Motor Products HS-517 Blower Motor Resistor Switch. This component is designed to regulate the fan speed of your vehicle's heating, ventilation, and air conditioning (HVAC) system. Please read these instructions carefully before proceeding with any procedures.

PRODUCT OVERVIEW

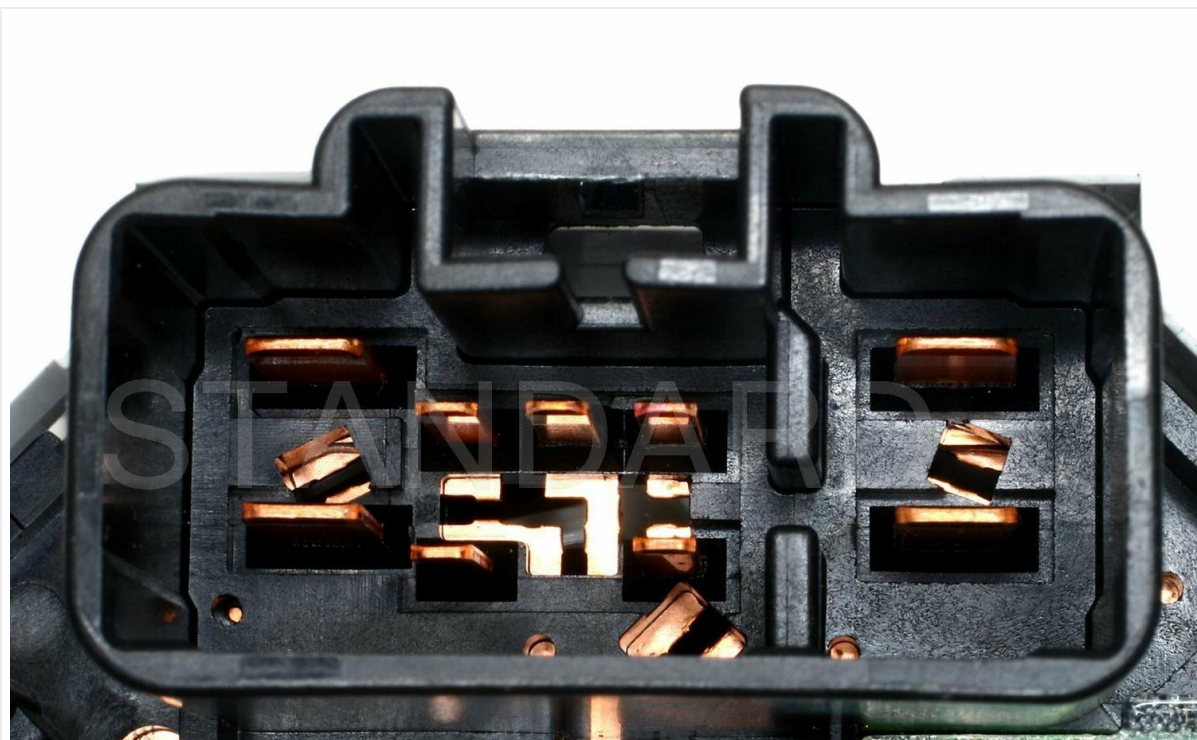


Image: The Standard Motor Products HS-517 Blower Motor Resistor Switch. This image displays the front of the switch, featuring a rotary dial with fan speed settings from 0 to 4, and symbols for fan operation and defrost/recirculation modes. The white housing and black dial are clearly visible.

The HS-517 Blower Motor Resistor Switch is a critical part of your vehicle's climate control system. It

allows the user to select various fan speeds for the blower motor, controlling the airflow through the vehicle's vents. Proper functioning of this switch ensures comfortable cabin temperatures and effective defrosting.

SETUP AND INSTALLATION

Installation of the HS-517 Blower Motor Resistor Switch typically involves replacing an existing faulty unit. Due to the complexity of automotive electrical systems and the potential for damage or injury, professional installation by a qualified technician is highly recommended. Incorrect installation can lead to electrical malfunctions, damage to the HVAC system, or fire hazards.

General Installation Guidelines (Professional Installation Recommended):

1. **Safety First:** Disconnect the vehicle's battery before beginning any electrical work to prevent short circuits or electrical shock.
2. **Locate the Component:** Identify the location of the existing blower motor resistor switch in your vehicle. This often requires removing dashboard panels or accessing the HVAC unit behind the glove compartment. Consult your vehicle's service manual for exact location.
3. **Remove Old Switch:** Carefully disconnect the electrical connectors and mounting hardware from the old switch. Note the orientation and connection points.
4. **Install New Switch:** Connect the electrical connectors to the new HS-517 switch, ensuring a secure fit. Mount the switch using the appropriate hardware.
5. **Test Functionality:** Reconnect the vehicle's battery. Turn on the ignition and test all fan speed settings and modes to ensure proper operation before reassembling any removed panels.

OPERATING INSTRUCTIONS

The HS-517 Blower Motor Resistor Switch is designed for intuitive operation, typically integrated into your vehicle's climate control panel.

Fan Speed Control:

- **Off (0):** Rotate the dial to the '0' position to turn off the blower fan.
- **Low to High (1-4):** Rotate the dial clockwise from '1' to '4' to increase the fan speed. '1' represents the lowest speed, and '4' represents the highest speed.

Mode Selection (if applicable):

- The switch may also include symbols for different airflow modes, such as a fan symbol for general ventilation and a defrost symbol for directing air to the windshield. Select the desired mode by rotating or pressing the corresponding part of the switch, as per your vehicle's specific design.

MAINTENANCE

The Standard Motor Products HS-517 Blower Motor Resistor Switch is a sealed unit and does not require routine user maintenance. However, ensuring the surrounding area is free from debris and moisture can help prolong its lifespan. If the switch becomes difficult to turn or feels loose, it may indicate wear and should be inspected by a professional.

TROUBLESHOOTING

If you experience issues with your vehicle's blower fan, the resistor switch may be a contributing factor. Here are common symptoms and potential causes:

Symptom	Possible Cause	Recommended Action
Blower fan only works on high speed.	Faulty blower motor resistor.	Inspect or replace the blower motor resistor.
Blower fan does not work at any speed.	Blown fuse, faulty blower motor, or faulty resistor switch.	Check the fuse. If fuse is good, inspect blower motor and resistor switch. Professional diagnosis recommended.
Fan speeds are inconsistent or intermittent.	Loose electrical connection, worn switch contacts, or failing resistor.	Check connections. Consider professional inspection and replacement if necessary.

For any persistent issues, it is advisable to consult a certified automotive technician for proper diagnosis and repair.

SPECIFICATIONS

- **Manufacturer:** Standard Motor Products
- **Model Number:** HS-517
- **Product Dimensions:** 7.7 x 7.7 x 9.22 cm
- **Item Weight:** 0.28 grams
- **ASIN:** B009B494XA
- **Part Type:** Blower Motor Resistor Switch

WARRANTY AND SUPPORT

For specific warranty information regarding your Standard Motor Products HS-517 Blower Motor Resistor Switch, please refer to the documentation provided at the point of purchase or contact Standard Motor Products directly. Warranty terms and conditions may vary.

For technical support or further assistance, please contact your automotive parts supplier or a qualified automotive service center.