

Standard Motor Products DV42

Standard Motor Products DV42 Air Management Valve
Instruction Manual

MODEL: DV42

Introduction

This manual provides essential information for the proper handling, installation, and maintenance of the Standard Motor Products DV42 Air Management Valve. The DV42 is designed as a replacement component within a vehicle's exhaust and emissions system, specifically functioning as a diverter valve. Understanding its purpose and proper integration is crucial for optimal vehicle performance and compliance with emission standards.

Safety Information

Always observe the following safety precautions when working with automotive components:

- Disconnect the vehicle's battery before beginning any installation or maintenance work to prevent electrical hazards.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the vehicle is securely supported on a level surface if working underneath it.
- Allow engine and exhaust components to cool completely before handling to avoid burns.
- Consult a qualified automotive technician if you are unsure about any installation or repair procedures.

Setup and Installation

The Standard Motor Products DV42 Air Management Valve is a direct replacement part. Installation typically involves removing the old valve and installing the new one in its place. Due to the complexity of modern vehicle systems, professional installation is recommended.

General Installation Steps (Consult Vehicle Service Manual for Specifics):

1. **Preparation:** Park the vehicle on a level surface, engage the parking brake, and disconnect the negative terminal of the battery. Allow the engine to cool.
2. **Locate the Valve:** Identify the existing air management or diverter valve in your vehicle's exhaust or emissions system. Refer to your vehicle's service manual for the exact location.

3. **Remove Old Valve:** Carefully disconnect any electrical connectors, vacuum lines, or hoses attached to the old valve. Use appropriate tools to unbolt or detach the old valve from its mounting point. Be mindful of any gaskets or seals that may need replacement.
4. **Install New Valve:** Position the new DV42 valve in the same orientation as the old one. Secure it with bolts or mounting hardware, ensuring a snug fit. Reconnect all electrical connectors, vacuum lines, and hoses. Ensure all connections are secure and free from leaks.
5. **Final Checks:** Reconnect the battery. Start the vehicle and check for proper operation, including any dashboard warning lights.



Figure 1: Standard Motor Products DV42 Air Management Valve. This image displays the black valve component with multiple ports and a metallic end, illustrating its general appearance.

Operating Instructions

The Standard Motor Products DV42 Air Management Valve operates automatically as part of the vehicle's engine management system. It does not require manual intervention from the driver. Its function is controlled by the vehicle's onboard computer to regulate airflow within the emissions system, contributing to efficient engine operation and reduced emissions.

Maintenance

The DV42 Air Management Valve is a sealed unit and is not designed for user-level maintenance or repair. If the valve is suspected to be faulty, it should be replaced. Regular vehicle maintenance, as recommended by the vehicle manufacturer, helps ensure all components, including the air management valve, function correctly. During routine

inspections, check for:

- Visible damage to the valve body or connectors.
- Loose or corroded electrical connections.
- Cracked or deteriorated vacuum lines or hoses connected to the valve.

Troubleshooting

Malfunctions of an air management valve can lead to various vehicle issues. Common symptoms that may indicate a faulty DV42 valve include:

- Illumination of the Check Engine Light (CEL) on the dashboard.
- Failure of emissions tests.
- Rough idling or poor engine performance.
- Unusual noises from the engine bay.

If you experience any of these symptoms, it is recommended to have your vehicle diagnosed by a professional automotive technician. Diagnostic tools can accurately identify the cause of the issue and confirm if the DV42 valve requires replacement.

Specifications

Feature	Specification
Model Number	DV42
Manufacturer Part Number	DV42
Brand	Standard Motor Products
Material	Metal
Item Dimensions (L x W x H)	5 x 4.19 x 5 inches
Item Weight	2 pounds
Inlet Connection Type	Threaded
Outlet Connection Type	NPT
Number of Ports	3
UPC	091769094010

Warranty Information

Specific warranty terms for the Standard Motor Products DV42 Air Management Valve are provided by the manufacturer. Please refer to the warranty documentation included with your purchase or contact Standard Motor Products directly for detailed information regarding warranty coverage, duration, and claims procedures.

Support and Contact

For technical assistance, installation questions, or further product information, please contact Standard Motor Products customer support. Contact details can typically be found on the manufacturer's official website or on the product packaging.

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.

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Question

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