

Mopar 68250914AB

Mopar 68250914AB Vapor Canister Purge Hose Instruction Manual

Genuine OEM Part for Optimal Vehicle Performance

1. INTRODUCTION

This manual provides essential information for the Mopar 68250914AB Vapor Canister Purge Hose. This component is a genuine Original Equipment Manufacturer (OEM) part designed to meet the precise specifications for fit, form, and function in your specific vehicle. Proper installation and maintenance are crucial for the effective operation of your vehicle's emissions system.

2. PRODUCT OVERVIEW

The Mopar 68250914AB is a vapor canister purge hose, an integral part of the Evaporative Emission Control (EVAP) system. It is responsible for routing fuel vapors from the charcoal canister to the engine intake manifold to be burned, preventing their release into the atmosphere. This helps maintain vehicle emissions compliance and fuel efficiency.



Figure 1: Main view of the Mopar 68250914AB Vapor Canister Purge Hose, showing its overall shape and connections.



Figure 2: Alternate view of the Mopar 68250914AB Vapor Canister Purge Hose, highlighting different angles and connection points.



Figure 3: Detailed view of the Mopar 68250914AB Vapor Canister Purge Hose, focusing on the end connectors and hose routing.

3. INSTALLATION

Installation of the Mopar 68250914AB Vapor Canister Purge Hose requires careful attention to detail. It is recommended that this procedure be performed by a qualified automotive technician. If you choose to perform the installation yourself, ensure you have the necessary tools and a service manual for your specific vehicle model.

3.1 Safety Precautions

- Always disconnect the vehicle's battery before beginning any work on the engine or electrical systems.
- Ensure the engine is cool to prevent burns.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- Be aware of fuel lines and potential fuel vapor release. Work in a well-ventilated area.

3.2 Installation Steps (General Guidelines)

1. **Locate the Existing Hose:** Identify the current vapor canister purge hose in your vehicle. Refer to your vehicle's service manual for the exact location.
2. **Disconnect Electrical Connectors:** If applicable, carefully disconnect any electrical connectors attached to the purge valve or hose.
3. **Remove Old Hose:** Carefully disconnect the old purge hose from both the vapor canister and the engine intake manifold. Be prepared for potential resistance, as older hoses can be difficult to remove. Note the routing of the old hose to ensure correct installation of the new one.
4. **Inspect Connections:** Before installing the new hose, inspect the connection points on both the vapor canister and the intake manifold for any debris or damage. Clean if necessary.

5. **Install New Hose:** Connect the new Mopar 68250914AB purge hose, ensuring all connections are secure and properly seated. Follow the original routing path.
6. **Reconnect Electrical Connectors:** Reconnect any electrical connectors that were previously detached.
7. **Reconnect Battery:** Reconnect the vehicle's battery.
8. **Test System:** Start the vehicle and check for any leaks or error codes.

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Video 1: Overview of the Vapor Canister Purge Valve Hose 68250914AB. This video demonstrates the physical characteristics and connections of the hose, which can aid in identification and understanding its placement.

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Video 2: Product demonstration for Jeep Grand Cherokee and Dodge Durango models (2016-2019) related to part 68250914AD. While the video title mentions 'AD', the content is relevant for understanding the general form and function of similar purge hoses in these vehicle types.

4. MAINTENANCE

The Mopar 68250914AB Vapor Canister Purge Hose is designed for durability and long-term performance. Regular maintenance typically involves visual inspection during routine vehicle servicing.

4.1 Inspection

- Periodically inspect the hose for cracks, kinks, or signs of wear.
- Check all connections to ensure they are tight and free from leaks.
- Look for any signs of rodent damage or abrasion from other engine components.

If any damage is observed, replacement of the hose is recommended to prevent issues with the EVAP system.

5. TROUBLESHOOTING

Issues with the vapor canister purge hose can lead to various vehicle problems, often indicated by a 'Check Engine' light.

5.1 Common Symptoms of a Faulty Purge Hose

- **Check Engine Light:** Often accompanied by EVAP system-related diagnostic trouble codes (DTCs), such as a 'small evap leak'.
- **Rough Idling:** A vacuum leak in the purge hose can cause the engine to run rough, especially at idle.
- **Difficulty Starting:** Particularly after refueling, a faulty purge system can cause starting issues.
- **Reduced Fuel Economy:** While not always immediately noticeable, an inefficient EVAP system can impact fuel consumption.

5.2 Diagnostic Steps

- **Scan for DTCs:** Use an OBD-II scanner to retrieve any stored diagnostic trouble codes. Codes related to the EVAP system (e.g., P0440, P0442, P0455) can indicate a problem with the purge hose or related components.
- **Visual Inspection:** Perform a thorough visual inspection of the purge hose for any visible damage, cracks, or loose connections.
- **Smoke Test:** A professional smoke test can help identify leaks in the EVAP system, including the purge

hose.

If diagnostics confirm a faulty purge hose, replacement with the Mopar 68250914AB is the recommended solution.

6. SPECIFICATIONS

Attribute	Detail
Brand	Mopar
Part Number	68250914AB
Item Model Number	68250914AB
Material	Rubber
Item Weight	1 pounds
Product Dimensions	10 x 17 x 6 inches
Manufacturer	Mopar
Exterior	Machined
First Available	September 18, 2023

7. WARRANTY AND SUPPORT

For specific warranty information regarding the Mopar 68250914AB Vapor Canister Purge Hose, please refer to the official Mopar warranty documentation provided with your purchase or contact an authorized Mopar dealer or the seller directly. Support for installation or troubleshooting beyond the scope of this manual should be sought from a certified automotive technician or Mopar service center.