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› Dorman 904-124HP Fuel Primer Seal Kit Instruction Manual

Dorman 904-124HP

Dorman 904-124HP Fuel Primer Seal Kit Instruction Manual

Model: 904-124HP | Brand: Dorman

1. INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of the Dorman 904-124HP Fuel Primer Seal Kit. This kit is designed as an OE FIX solution to replace worn seals and the failure-prone plastic bleeder screw on select GM fuel filter primer housings with an upgraded brass bleeder screw.



Designed to deliver a better repair solution than you can get from the original equipment manufacturer.



Image 1.1: Dorman OE FIX logo, highlighting the product's design philosophy for improved repair solutions.

2. SAFETY INFORMATION

Always prioritize safety when working on vehicle fuel systems. Failure to follow these safety guidelines may result in personal injury or damage to the vehicle.

- Ensure the vehicle is parked on a level surface and the engine is off and cooled down.
- Disconnect the vehicle's battery to prevent accidental electrical discharge.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Fuel is highly flammable. Work in a well-ventilated area away from open flames, sparks, or other ignition sources. Have a fire extinguisher readily available.
- Relieve fuel system pressure before beginning any work on fuel lines or components. Refer to your vehicle's service manual for specific procedures.
- Dispose of any spilled fuel or contaminated materials according to local environmental regulations.

- Consult your vehicle's specific service manual for detailed instructions and torque specifications relevant to your make and model.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your Dorman 904-124HP Fuel Primer Seal Kit before beginning installation.

- 5x Rubber Gaskets (various sizes)
- 3x Screws
- 1x Brass Bleeder Screw
- 1x Instruction Sheet (refer to this for vehicle-specific details)

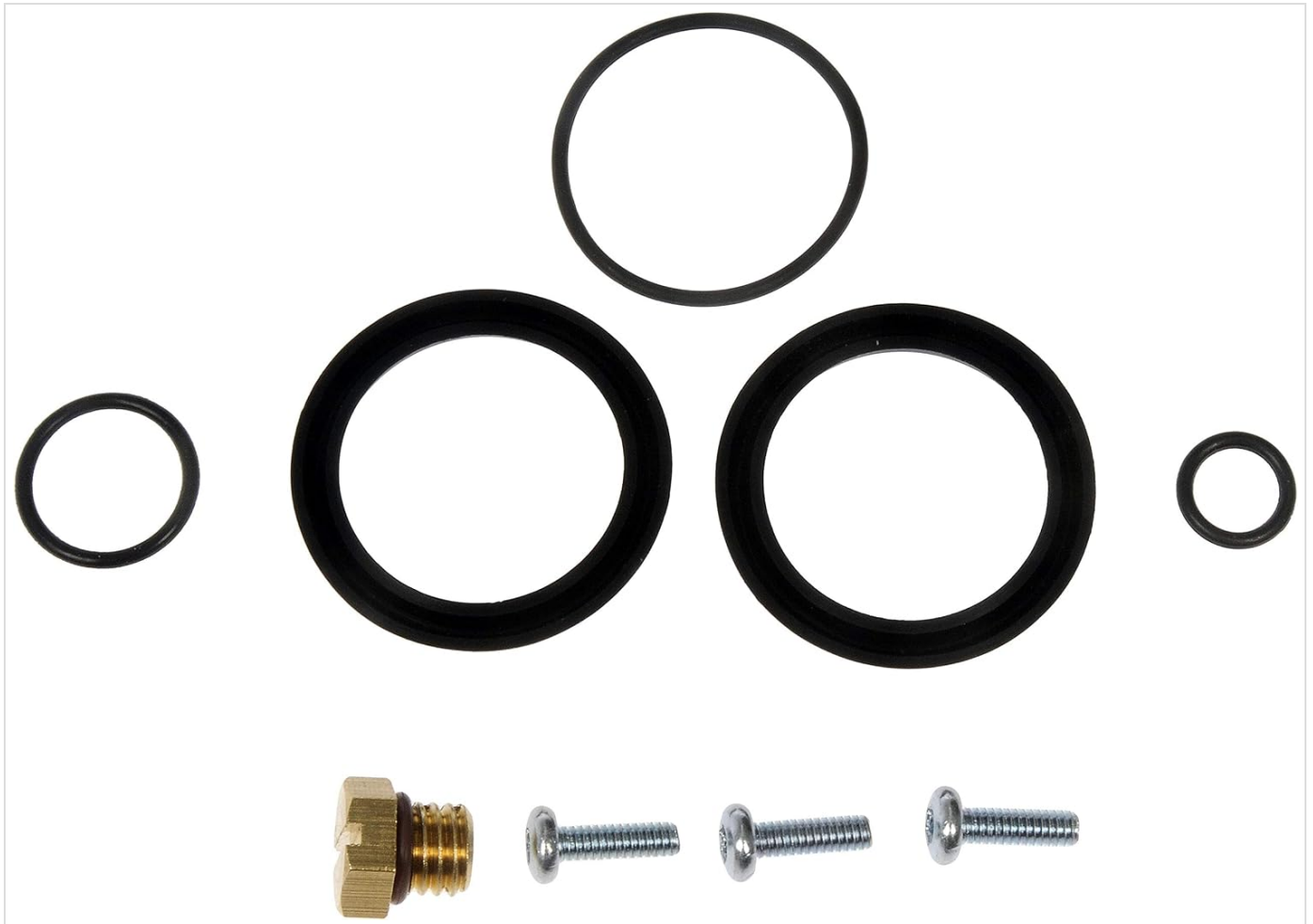


Image 3.1: The Dorman 904-124HP Fuel Primer Seal Kit components, showing the gaskets, screws, and brass bleeder screw.

4. SETUP AND INSTALLATION

This kit is designed for direct replacement of original seals and the bleeder screw on compatible GM fuel filter primer housings. Always refer to your vehicle's specific service manual for detailed, step-by-step instructions and torque specifications.

General Installation Steps:

1. **Prepare the Vehicle:** Follow all safety precautions outlined in Section 2. Ensure the fuel system pressure is relieved.
2. **Locate Primer Housing:** Identify the fuel filter primer housing on your vehicle.
3. **Disassembly:** Carefully remove the existing fuel filter primer housing components, including the old seals and the

plastic bleeder screw. Note the orientation and placement of each component.

4. **Clean Surfaces:** Thoroughly clean all mating surfaces on the primer housing to ensure a proper seal. Remove any old gasket material or debris.
5. **Install New Seals:** Install the appropriate new rubber gaskets from the Dorman kit into their respective grooves and positions. Ensure they are seated correctly and not twisted.
6. **Install Brass Bleeder Screw:** Replace the original plastic bleeder screw with the new brass bleeder screw provided in the kit. Hand-tighten initially, then use a wrench to tighten to the vehicle manufacturer's specified torque. Do not overtighten.
7. **Install New Screws (if applicable):** Use the new screws provided to secure any components as necessary. Ensure proper length and thread engagement. If the provided screws are noticeably longer than the original screws, verify fitment to avoid bottoming out before sealing.
8. **Reassemble:** Reassemble the fuel filter primer housing components in reverse order of disassembly.
9. **Reconnect Battery:** Once all components are securely installed, reconnect the vehicle's battery.



Image 4.1: Detailed view of the Dorman 904-124HP kit, illustrating the components for installation.

5. OPERATING (FUEL SYSTEM PRIMING)

After installation of the seal kit, it is crucial to properly prime the fuel system to remove any air that may have entered during the repair process. Refer to your vehicle's service manual for the exact priming procedure, as it can vary by model.

General Priming Steps:

1. **Open Bleeder Screw:** Loosen the new brass bleeder screw on the fuel primer housing a few turns.
2. **Operate Primer Pump:** Repeatedly press the primer pump (if equipped) until a steady stream of fuel, free of air bubbles, emerges from the bleeder screw.
3. **Close Bleeder Screw:** Once fuel flows without air, tighten the bleeder screw to the manufacturer's specified torque.
4. **Start Engine:** Attempt to start the engine. It may take a few cranks to fully purge any remaining air.

5. **Check for Leaks:** After the engine starts and runs, carefully inspect the primer housing and surrounding areas for any fuel leaks.

6. MAINTENANCE

The Dorman 904-124HP Fuel Primer Seal Kit is designed for long-lasting performance. Regular maintenance involves periodic inspection of the fuel primer housing and its components.

- Periodically inspect the fuel primer housing for any signs of fuel leaks, especially around the bleeder screw and seal areas.
- Ensure the bleeder screw remains properly tightened. Avoid overtightening, which can damage the threads or the housing.
- If any leaks are detected, re-check the installation and consider replacing the seals if they appear damaged or worn.

7. TROUBLESHOOTING

If you encounter issues after installing the Dorman 904-124HP Fuel Primer Seal Kit, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Fuel leaks from primer housing after installation.	• Seals not seated correctly. • Bleeder screw not tightened sufficiently. • Damaged seals during installation.	• Re-inspect and properly seat all rubber gaskets. • Ensure bleeder screw is tightened to specification. • Replace any damaged seals.
Engine will not start or runs rough after installation.	• Air in the fuel system (improper priming). • Fuel lines or connections not secure.	• Repeat the fuel system priming procedure (Section 5). • Check all fuel line connections for tightness.
Bleeder screw feels loose or stripped.	• Overtightening of the bleeder screw. • Incorrect thread engagement.	• Always use a torque wrench and follow manufacturer specifications. • If threads are damaged, the primer housing may need replacement.

8. SPECIFICATIONS

- **Brand:** Dorman
- **Model Number:** 904-124HP
- **Part Type:** Fuel Filter Primer Housing Seal Kit
- **Included Components:** 5 Rubber Gaskets, 3 Screws, 1 Brass Bleeder Screw
- **Primary Material (Bleeder Screw):** Brass
- **Vehicle Service Type:** Passenger Car, Truck (Compatible with select GM models)

- **Manufacturer Part Number:** 904-124HP
- **OEM Equivalent Part Number:** 12642623
- **GTIN/UPC:** 889245066374
- **Item Weight:** Approximately 1.44 ounces

9. WARRANTY INFORMATION

The Dorman 904-124HP Fuel Primer Seal Kit is backed by a **Limited Lifetime Warranty**. For specific details regarding warranty coverage, terms, and conditions, please refer to the official Dorman product documentation or contact Dorman customer support.

10. SUPPORT

For further assistance, technical support, or inquiries regarding the Dorman 904-124HP Fuel Primer Seal Kit, please contact Dorman customer service or visit their official website:

- **Dorman Official Website:** www.dormanproducts.com
- Refer to the instruction sheet included in your kit for any additional contact information.

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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

