Dorman 47396

Dorman 47396 Rubber Black Vacuum Cap Assortment Instruction Manual

Universal Fit, 8 Piece Set

1. Product Overview

The Dorman 47396 Rubber Black Vacuum Cap Assortment provides a comprehensive solution for various automotive repair tasks. These vacuum caps are engineered from durable, heat-resistant vinyl to ensure long-lasting performance and a tight seal, preventing vacuum leaks in critical systems.

This assortment is ideal for capping lines and hoses during diagnostic procedures, such as testing carburetors, emission control systems, and vacuum lines. The convenient packaging includes a variety of sizes to suit diverse application needs.

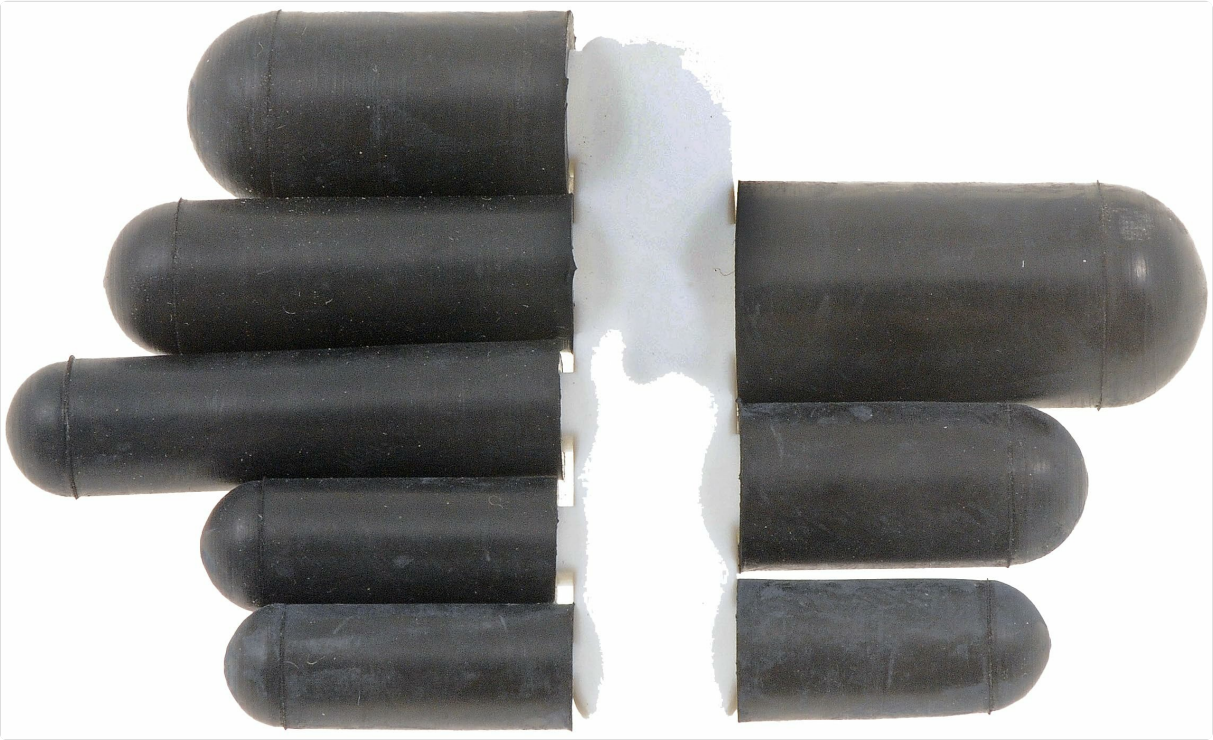

Image 1.1: The Dorman 47396 Rubber Black Vacuum Cap Assortment, featuring eight caps of different sizes.

Key Features:

- **Durable Construction:** Engineered from heat-resistant vinyl for extended durability.
- **Secure Seal:** Designed to provide a tight fit, effectively preventing vacuum leaks.
- **Versatile Application:** Suitable for capping lines and hoses during testing of carburetors, emission control systems, and vacuum lines.
- **Assorted Sizes:** Conveniently packaged with a variety of sizes to meet different requirements.

2. Specifications

Brand	Dorman
Model Number	47396
Material	Rubber (Heat-resistant vinyl)
Color	Black
Pieces Included	8
Product Dimensions	10.21 x 8.41 x 1.93 cm
Item Weight	18.1 g
Country of Origin	China

3. Setup and Installation

1. **Identify the Port/Hose:** Determine the specific vacuum port or hose that requires capping. Ensure the surface is clean and free from debris.
2. **Select Correct Size:** Choose a vacuum cap from the assortment that provides a snug fit over the port or into the hose. A cap that is too loose will not create an effective seal, while one that is too tight may be difficult to install or could split.
3. **Install the Cap:** Firmly push the selected vacuum cap onto the port or into the hose. Ensure it is fully seated to create an airtight seal.
4. **Verify Seal:** After installation, gently tug on the cap to confirm it is securely in place. For critical applications, a vacuum leak test may be performed to ensure proper sealing.

Image 3.1: A closer view of the Dorman vacuum caps, highlighting their material and design for a secure fit.

4. Operating Instructions

Dorman vacuum caps are passive components designed to seal off open vacuum lines or ports. Their primary function is to prevent air leaks into or out of a vacuum system, which can disrupt engine performance, fuel efficiency, and emission control.

Once installed, the caps maintain the integrity of the vacuum system by blocking unintended air flow. They are commonly used during diagnostic procedures to isolate sections of the vacuum system or to permanently cap off unused ports on components like carburetors, intake manifolds, or emission control devices.

5. Maintenance

To ensure the longevity and effectiveness of your Dorman vacuum caps, consider the following maintenance guidelines:

- **Regular Inspection:** Periodically inspect installed vacuum caps for signs of wear, cracking, hardening, or deterioration, especially in high-heat engine environments.
- **Cleanliness:** Keep the caps and surrounding areas clean from oil, grease, and dirt, which can accelerate material degradation.
- **Replacement:** Replace any cap that shows signs of damage or has lost its elasticity. A compromised cap can lead to vacuum leaks and affect vehicle performance.
- **Storage:** Store unused caps in a cool, dry place away from direct sunlight and harsh chemicals to preserve their material integrity.

6. Troubleshooting

If you suspect a vacuum leak after installing or using Dorman vacuum caps, consider these troubleshooting steps:

- **Check Fitment:** Ensure the correct size cap was used and that it is fully seated on the port or hose. A cap that is too large or not pushed on completely will not seal properly.
- **Inspect for Damage:** Examine the cap for any cracks, tears, or hardening that might have occurred during installation or due to environmental exposure. Even small imperfections can cause a leak.
- **Verify Source of Leak:** Use a vacuum gauge or smoke machine (if available) to pinpoint the exact location of the vacuum leak. The issue might not be the cap itself but an adjacent hose or component.
- **Replace if Necessary:** If a cap is found to be damaged or improperly sized, replace it with a new, correctly sized cap from the assortment.

7. Warranty and Support

Dorman products are designed for quality and reliability. For technical assistance or inquiries regarding the Dorman 47396 Vacuum Cap Assortment, Dorman provides support through its ASE Blue Seal Certified technical support team.

Please refer to the official Dorman website or product packaging for the most current warranty information and contact details for technical support.