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› Dorman 23705 Carburetor Stud Kit Universal Fit Instruction Manual

Dorman 23705

Dorman 23705 Carburetor Stud Kit Instruction Manual

Universal Fit Component

1. INTRODUCTION

This manual provides comprehensive instructions for the proper installation, usage, and maintenance of the Dorman 23705 Carburetor Stud Kit. This kit is designed to facilitate the secure mounting of a carburetor to an intake manifold, offering a universal fit for various applications. Adherence to these instructions ensures optimal performance and longevity of the product.

2. PRODUCT OVERVIEW

The Dorman 23705 Carburetor Stud Kit includes all necessary hardware for reinstalling or mounting a carburetor. Constructed from high-quality alloy steel, these studs and nuts are engineered for durability and reliable performance.

2.1. Kit Contents

- Four (4) 5/16"-18 Carburetor Studs
- Four (4) Matching Nuts

2.2. Key Features

- **Universal Application:** Suitable for a wide range of carburetor mounting scenarios.
- **Durable Construction:** Made from sturdy alloy steel for long-lasting use.
- **Easy Installation:** Designed for straightforward setup.



Image 1: The Dorman 23705 Carburetor Stud Kit, displaying four threaded studs and four hexagonal nuts. The studs feature a central unthreaded section and threads on both ends, while the nuts are standard hexagonal fasteners.

3. SPECIFICATIONS

Attribute	Detail
Material	Alloy Steel
Thread Size	5/16-18
Exterior Finish	Machined
Manufacturer Grade	Grade 2
Fastener Type	Stud Bolt
Thread Type	Right Hand
Item Diameter	0.31 Inches
Thread Style	Right Hand, Coarse

Attribute	Detail
Item Hardness	Grade 2
Size	5/16 inches
Item Weight	1.6 ounces

4. INSTALLATION INSTRUCTIONS

Proper installation is crucial for the secure mounting of your carburetor. Follow these steps carefully:

- Preparation:** Ensure the intake manifold surface is clean and free from debris or old gasket material. Verify that the carburetor mounting holes are clear.
- Stud Insertion:** Carefully thread the 5/16"-18 studs into the appropriate mounting holes on the intake manifold. Hand-tighten initially to ensure proper alignment. Use a wrench to snug them down, but avoid over-tightening, which can damage the threads in the manifold.
- Gasket Placement:** Place the carburetor gasket(s) over the installed studs on the intake manifold. Ensure the gasket is correctly oriented and seated.
- Carburetor Mounting:** Carefully lower the carburetor onto the studs, aligning its mounting holes with the studs. Ensure it sits flush on the gasket.
- Nut Fastening:** Place the provided nuts onto the studs. Hand-tighten all nuts first, then use a wrench to tighten them in a crisscross pattern to ensure even pressure. Refer to your vehicle or carburetor manufacturer's specifications for the correct torque values. Over-tightening can warp the carburetor base or damage the studs.
- Final Check:** After tightening, visually inspect the carburetor to ensure it is securely mounted and there are no gaps between the carburetor, gasket, and manifold.

Important: Always consult your vehicle's service manual or carburetor manufacturer's instructions for specific torque specifications and any additional steps relevant to your particular application.

5. USAGE AND FUNCTION

The Dorman 23705 Carburetor Stud Kit provides a robust and reliable method for securing your carburetor. The studs offer a more stable mounting solution compared to bolts, as they allow for easier alignment of the carburetor and gasket during installation. Once installed and properly torqued, these studs maintain a consistent clamping force, which is essential for preventing vacuum leaks and ensuring optimal engine performance.

6. MAINTENANCE

The Dorman 23705 Carburetor Stud Kit is designed for long-term durability with minimal maintenance. However, periodic inspection is recommended:

- Visual Inspection:** During routine engine maintenance, visually inspect the studs and nuts for any signs of corrosion, damage, or loosening.
- Torque Check:** If any loosening is suspected, re-torque the nuts to the manufacturer's specifications.
- Cleaning:** Keep the area around the carburetor mounting clean to prevent accumulation of dirt or debris that could affect the seal.

7. TROUBLESHOOTING

While the Dorman 23705 Carburetor Stud Kit is a straightforward component, some issues may arise during installation or use:

- **Incorrect Thread Engagement:** If studs do not thread smoothly into the intake manifold, do not force them. Verify that the manifold threads are clean and undamaged. Ensure you are using the correct thread size (5/16"-18).
- **Carburetor Not Seating Properly:** If the carburetor does not sit flush, check for obstructions, incorrect gasket placement, or bent studs. Ensure the studs are fully seated in the manifold.
- **Vacuum Leaks:** If vacuum leaks occur after installation, re-check the torque of the nuts in a crisscross pattern. Inspect the gasket for damage or improper seating. Ensure the carburetor base is not warped.
- **Studs Too Long/Short:** While designed for universal fit, some specific applications might require different stud lengths. Verify the stud length is appropriate for your carburetor and manifold combination before final installation.

8. SUPPORT

Every Dorman part, including the 23705 Carburetor Stud Kit, is backed by Dorman's ASE Blue Seal Certified technical support team. If you encounter any issues or have questions regarding this product, please contact Dorman technical support for assistance.

For further information or to explore other Dorman products, please visit the official Dorman website or your authorized Dorman retailer.

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