

ARP 4002408

ARP 4002408 Stainless 300 Carburetor Stud Kit Instruction Manual

Model: 4002408 | Brand: ARP

1. PRODUCT OVERVIEW

The ARP 4002408 Stainless 300 Carburetor Stud Kit is designed to securely fasten a carburetor to an intake manifold. These studs are manufactured from rust-proof stainless steel and feature J-form threads, which are engineered to resist loosening caused by engine vibration. This kit ensures a stable and sealed connection for optimal engine performance.



Image 1.1: ARP 4002408 Stainless 300 Carburetor Stud Kit. This image displays the four stainless steel studs, hex nuts, and washers included in the kit.

Key Features:

- Ensures the carburetor remains perfectly sealed to the intake manifold.
- Constructed from rust-proof stainless steel for durability.
- Features J-form threads to resist loosening from vibration.
- Each kit contains four 5/16 inch studs with an overall length of 3.200 inches.
- Includes hex nuts and washers for complete installation.

2. PACKAGE CONTENTS

Verify that all components are present in the kit before beginning installation:

- Four (4) ARP Stainless Steel Carburetor Studs (5/16 inch diameter, 3.200 inch length)
- Four (4) Hex Nuts
- Four (4) Washers

3. INSTALLATION INSTRUCTIONS

Proper installation is crucial for the performance and longevity of your carburetor and manifold seal. Always refer to your vehicle's specific service manual for detailed torque specifications and procedures.

1. **Preparation:** Ensure the intake manifold and carburetor mounting surfaces are clean, dry, and free from old gasket material or debris. Inspect the threads in the intake manifold for damage.
2. **Stud Installation:** Carefully thread each ARP carburetor stud into the appropriate holes on the intake manifold. Hand-tighten the studs until they are seated. Do not overtighten the studs into the manifold.
3. **Gasket Placement:** Place the appropriate carburetor gasket(s) and any required spacers onto the installed studs. Ensure proper alignment.
4. **Carburetor Placement:** Carefully lower the carburetor onto the studs, ensuring it seats correctly on the gasket(s) and spacers.
5. **Securing the Carburetor:** Place a washer onto each stud, followed by a hex nut. Hand-tighten all nuts to ensure the carburetor is properly seated.
6. **Final Torque:** Using a torque wrench, tighten the hex nuts to the manufacturer's recommended torque specifications for your specific carburetor and intake manifold. Tighten in a crisscross pattern to ensure even clamping pressure. Overtightening can damage components or cause leaks.

Note: The studs are 3.200 inches long. Consider the total thickness of your carburetor base, gaskets, and any spacers when assessing fitment. If using thick spacers, ensure sufficient thread engagement for the nuts.

4. OPERATION AND FUNCTION

Once installed, the ARP Stainless 300 Carburetor Stud Kit provides a robust and reliable mounting solution. The stainless steel construction offers corrosion resistance, while the J-form threads are specifically designed to maintain clamping force even under engine vibration, preventing the carburetor from loosening over time. This secure connection is vital for maintaining an airtight seal between the carburetor and intake manifold, which is essential for proper fuel-air mixture and engine performance.

5. MAINTENANCE

The ARP Stainless 300 Carburetor Studs are designed for long-term durability with minimal maintenance. Periodically inspect the carburetor mounting nuts for proper torque, especially after initial installation and during routine engine checks. While stainless steel is rust-proof, keeping the studs clean from excessive dirt and corrosive chemicals will help preserve their appearance and integrity.

6. TROUBLESHOOTING

- **Studs do not thread into manifold:**

Ensure the manifold threads are clean and undamaged. Verify that the stud size (5/16 inch) matches the manifold's thread specification. Do not force studs into damaged threads; this may require thread repair.

- **Studs are too short/long for application:**

The ARP 4002408 kit includes studs with an overall length of 3.200 inches. If using thick carburetor spacers or specific carburetor designs, confirm that this length provides adequate thread engagement for the nuts. If the studs are too short, alternative stud lengths may be required. If too long, ensure they do not interfere with other components.

- **Carburetor leaks after installation:**

Check that the mounting surfaces are clean and flat. Ensure the gasket is correctly installed and undamaged. Verify that the nuts are torqued evenly and to the correct specifications. Uneven torque can cause leaks.

7. SPECIFICATIONS

Attribute	Value
Brand	ARP
Model Number	4002408
Material	Stainless Steel
Stud Diameter	5/16 inch
Overall Stud Length	3.200 inches
Kit Contents	4 Studs, 4 Hex Nuts, 4 Washers
Item Weight	5.3 ounces
Product Dimensions	1"D x 5"W x 7"H (Packaging)
UPC	672036013462

8. WARRANTY AND SUPPORT

Specific warranty information for the ARP 4002408 Stainless 300 Carburetor Stud Kit is not provided in this manual. For details regarding warranty coverage, technical support, or replacement parts, please contact ARP directly through their official website or customer service channels.

