

[Manuals.plus](#) /

› [Standard Motor Products](#) /

› Hygrade Standard Motor Products 402A Carburetor Kit User Manual

Standard Motor Products 402A

Hygrade Standard Motor Products 402A Carburetor Kit User Manual

Model: 402A

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Hygrade Standard Motor Products 402A Carburetor Kit. This kit is designed to facilitate the repair and rebuilding of carburetors, ensuring optimal performance and longevity of your vehicle's fuel system. It is a vehicle-specific fit and includes high-quality components for a reliable repair.

PRODUCT OVERVIEW

The Hygrade Standard Motor Products 402A Carburetor Kit includes all necessary gaskets, seals, and components required for a comprehensive carburetor rebuild. The kit is meticulously crafted to meet specific vehicle requirements.

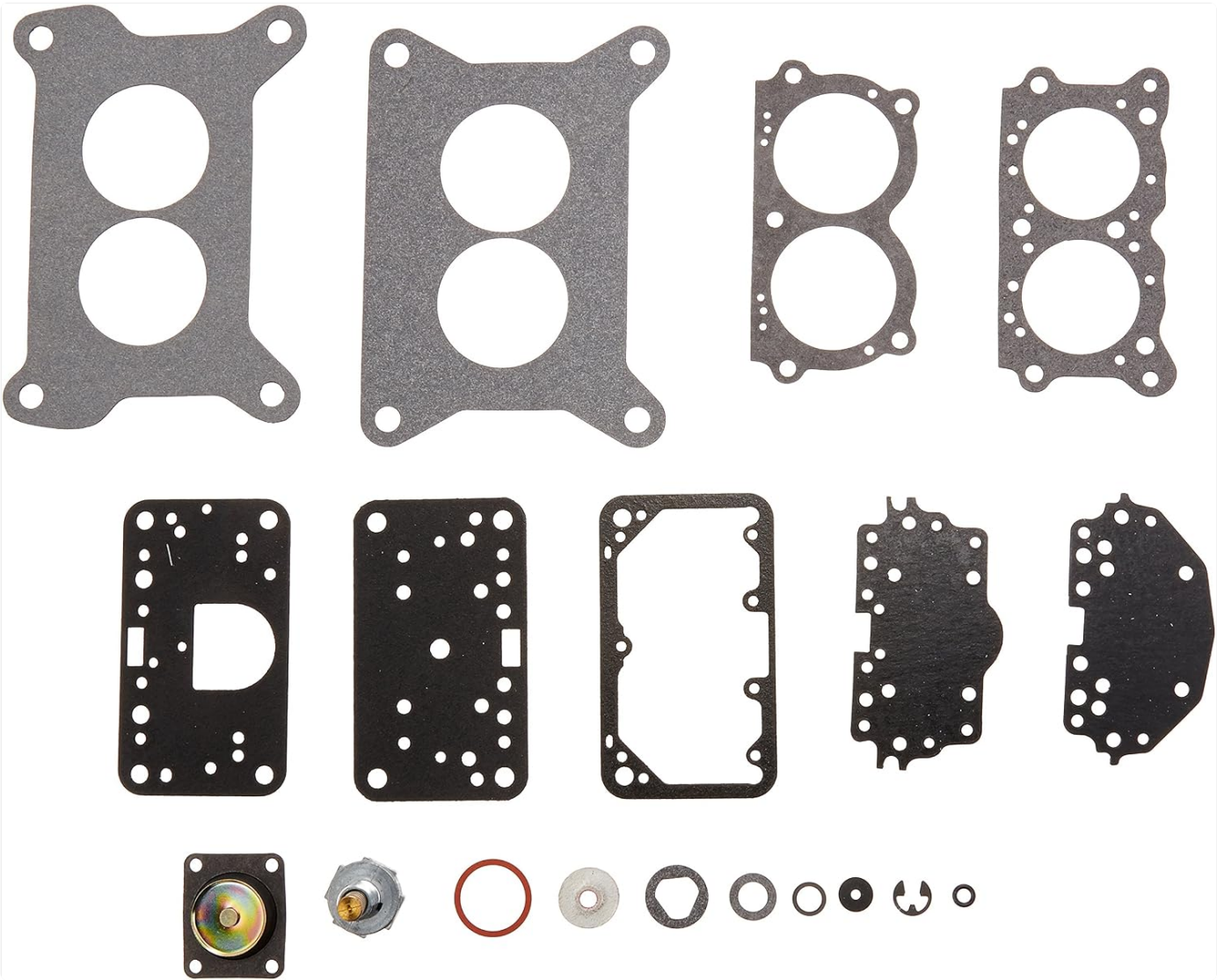


Figure 1: Contents of the 402A Carburetor Kit. This image displays a variety of gray and black gaskets of different shapes and sizes, along with several small metal and rubber components, including a diaphragm and various rings, all essential for a carburetor rebuild.

Kit Contents:

- Carburetor Kit components (various gaskets, seals, and small parts)

SPECIFICATIONS

Manufacturer	HYGRADE
Brand	Standard Motor Products
Model	Carburetor Kit
Item Model Number	402A
Item Weight	6.4 ounces
Product Dimensions	9.25 x 6.75 x 1.25 inches
Country of Origin	China
Exterior Finish	Machined

SETUP AND INSTALLATION

Installation of the 402A Carburetor Kit requires mechanical knowledge and familiarity with carburetor systems. It is recommended that installation be performed by a qualified technician. Always refer to your vehicle's specific service manual for detailed carburetor removal, disassembly, and reassembly procedures.

General Steps (Consult Vehicle Manual for Details):

- Safety First:** Disconnect the vehicle's battery and ensure the engine is cool. Work in a well-ventilated area.
- Carburetor Removal:** Carefully disconnect all fuel lines, vacuum hoses, electrical connections, and linkages from the carburetor. Remove the carburetor from the intake manifold.
- Disassembly:** Disassemble the carburetor according to your vehicle's service manual. Document the location of all parts, especially jets and passages.
- Cleaning:** Thoroughly clean all carburetor components using appropriate carburetor cleaner. Ensure all passages are clear and free of debris.
- Component Replacement:** Replace all worn or damaged components with the new parts from the 402A kit. Pay close attention to gasket placement and orientation.
- Reassembly:** Reassemble the carburetor, ensuring all screws are tightened to specifications and all components are correctly seated.
- Installation:** Reinstall the rebuilt carburetor onto the intake manifold, reconnecting all lines, hoses, and linkages.
- Initial Adjustments:** Perform initial idle mixture and speed adjustments as specified in your vehicle's service manual.

Important: Incorrect installation can lead to engine damage or poor performance. If you are unsure, seek professional assistance.

OPERATING CONSIDERATIONS

Once the carburetor is rebuilt and installed, proper operation relies on correct adjustments and a well-maintained fuel system. Ensure your fuel filter is clean and fuel lines are free of obstructions. After initial startup, fine-tune carburetor adjustments for optimal engine performance, fuel efficiency, and emissions according to manufacturer specifications.

MAINTENANCE

Regular maintenance of your vehicle's fuel system is crucial for the longevity and performance of your rebuilt carburetor. Key maintenance practices include:

- Fuel Filter Replacement:** Replace the fuel filter at recommended intervals to prevent contaminants from reaching the carburetor.
- Air Filter Inspection:** Ensure the air filter is clean and unobstructed to allow proper airflow to the carburetor.
- Fuel Quality:** Use high-quality fuel to minimize deposits and varnish buildup within the carburetor.
- Vacuum Line Inspection:** Periodically check all vacuum lines connected to the carburetor for cracks or leaks.
- Linkage Lubrication:** Lubricate carburetor linkages as needed to ensure smooth operation.

TROUBLESHOOTING

If you experience issues after rebuilding your carburetor, consider the following common troubleshooting steps:

- **Engine Idles Poorly/Stalls:**

- Check for vacuum leaks (hoses, manifold gasket).
- Verify idle mixture and speed adjustments.
- Ensure idle passages are clear.

- **Hard Starting:**

- Check choke operation.
- Verify fuel delivery to the carburetor.
- Inspect float level.

- **Fuel Leaks:**

- Inspect all gaskets and seals for proper seating and damage.
- Check float level (too high can cause overflow).
- Ensure fuel lines are securely connected.

- **Poor Acceleration/Hesitation:**

- Check accelerator pump operation.
- Ensure main jets are clear and correct size.
- Verify vacuum advance on distributor (if applicable).

For persistent issues, consult a professional automotive technician or your vehicle's specific service manual.

WARRANTY AND SUPPORT

For specific warranty information regarding the Hygrade Standard Motor Products 402A Carburetor Kit, please refer to the documentation included with your purchase or contact Standard Motor Products directly. Warranty terms typically cover manufacturing defects.

For technical support or further inquiries, please visit the [Standard Motor Products brand page](#) or their official website.