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Briggs & Stratton 494775

Briggs & Stratton 494775 Carburetor Instruction Manual

Genuine Replacement Part for Briggs & Stratton Engines

PRODUCT OVERVIEW

The Briggs & Stratton 494775 Carburetor is a genuine OEM (Original Equipment Manufacturer) replacement part designed to ensure optimal performance of your Briggs & Stratton engine. This carburetor replaces the older Briggs & Stratton part number 494407. It is crucial for mixing air and fuel in the correct proportions to facilitate engine combustion.

Using genuine Briggs & Stratton parts helps maintain engine compliance with applicable EPA emission regulations and ensures proper fit and function.

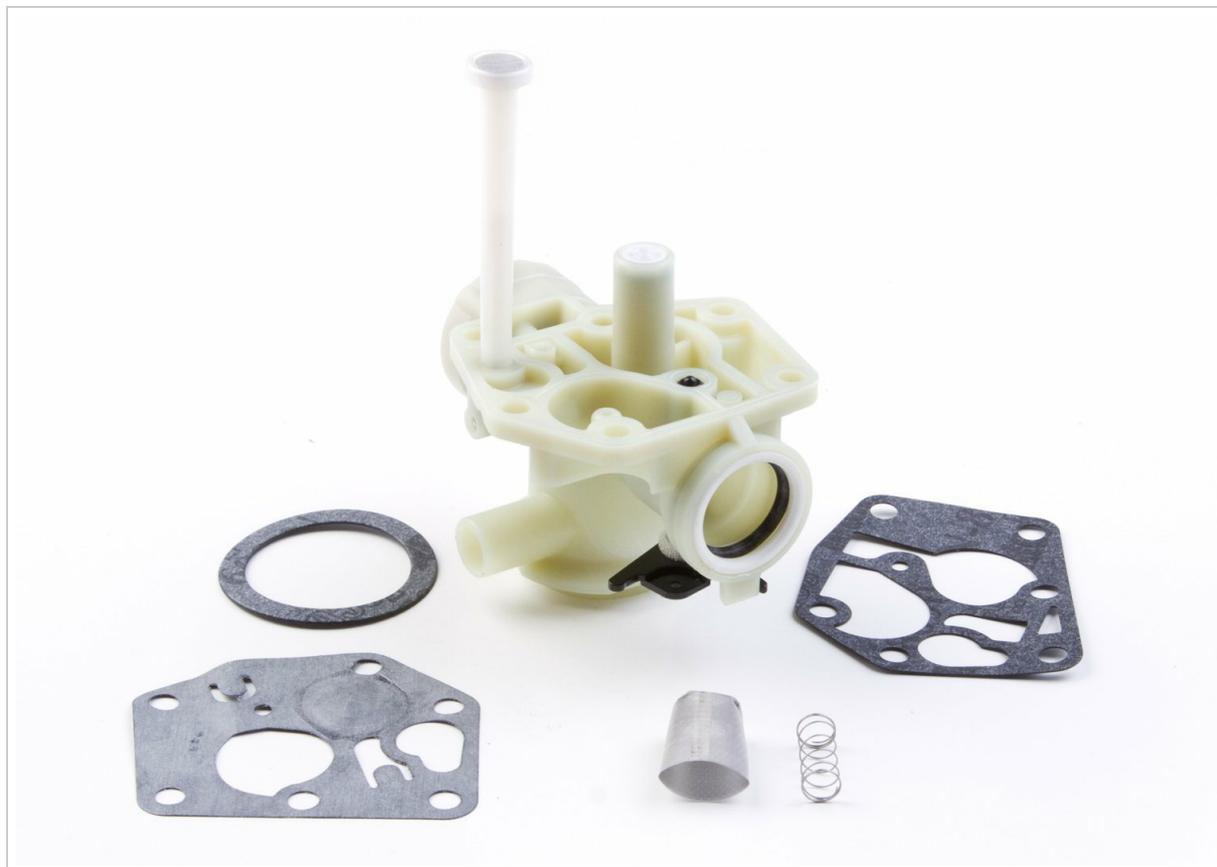


Image: Briggs & Stratton 494775 Carburetor assembly, including the main carburetor body, various gaskets, a fuel filter screen, and a spring, ready for installation.

INSTALLATION (SETUP)

Installation of a carburetor requires moderate mechanical skills. Always refer to your specific engine's service manual for detailed, step-by-step instructions, as procedures may vary by engine model. The following are general guidelines and safety precautions.

Safety Precautions:

- **Disconnect the spark plug wire:** This prevents accidental engine starting.
- **Drain fuel:** Ensure the fuel tank is empty or the fuel line is clamped to prevent spills.
- **Work in a well-ventilated area:** Fuel fumes can be hazardous.
- **Wear appropriate personal protective equipment:** Including gloves and eye protection.

General Installation Steps:

1. **Remove air filter assembly:** Access the carburetor by removing the air filter housing and filter.
2. **Disconnect fuel line:** Carefully detach the fuel line from the old carburetor. Be prepared for minor fuel leakage.
3. **Disconnect linkages:** Detach any throttle or choke linkages connected to the carburetor.
4. **Remove mounting bolts:** Unbolt the old carburetor from the engine.
5. **Remove old gaskets:** Ensure all old gasket material is completely removed from the engine and intake manifold surfaces. Clean the mounting surfaces thoroughly.
6. **Install new gaskets:** Place new gaskets in the correct positions as per your engine's service manual.
7. **Mount new carburetor:** Position the new Briggs & Stratton 494775 Carburetor and secure it with the mounting bolts. Do not overtighten.
8. **Reconnect linkages and fuel line:** Reattach all throttle and choke linkages, and securely connect the fuel line.
9. **Reinstall air filter assembly:** Reassemble the air filter housing and install a clean air filter.
10. **Refill with fresh fuel:** Use fresh, clean fuel suitable for your engine.

For visual guidance, many helpful installation videos for Briggs & Stratton carburetors are available on platforms like YouTube. Search for your specific engine model and "carburetor replacement."

OPERATION

Once properly installed, the Briggs & Stratton 494775 Carburetor will function automatically as part of your engine's fuel system. Its primary role is to precisely mix air and fuel, creating a combustible mixture that powers the engine. Proper operation is indicated by:

- Easy starting of the engine.
- Smooth and consistent engine idle.
- Responsive acceleration without hesitation.
- Consistent power output under load.
- Absence of excessive smoke from the exhaust.

If the engine exhibits issues after carburetor replacement, refer to the Troubleshooting section.

MAINTENANCE

Regular maintenance helps prolong the life of your carburetor and ensures consistent engine performance. The most critical aspect of carburetor maintenance is fuel quality.

Key Maintenance Practices:

- **Use fresh, clean fuel:** Stale fuel or fuel containing ethanol can cause deposits and corrosion within the carburetor, leading to performance issues. Use a fuel stabilizer if storing fuel for extended periods.
- **Replace fuel filter:** Periodically check and replace the fuel filter (if equipped) to prevent contaminants from reaching the carburetor.
- **Clean air filter:** A clogged air filter can restrict airflow, affecting the air-fuel mixture. Clean or replace the air filter regularly according to your engine's maintenance schedule.
- **Inspect gaskets and diaphragms:** Over time, gaskets and diaphragms can harden or crack, leading to fuel leaks or improper engine operation. Inspect these components during routine maintenance and replace as needed with genuine Briggs & Stratton parts.
- **Seasonal storage:** Before storing your equipment for the off-season, run the engine until it runs out of fuel, or drain the fuel system completely to prevent fuel degradation in the carburetor.

TROUBLESHOOTING

If your engine experiences issues after carburetor installation or during normal operation, consider the following common troubleshooting steps:

Symptom	Possible Cause	Solution
Engine hard to start or won't start	No fuel, stale fuel, clogged fuel filter, incorrect choke setting, spark plug issue.	Check fuel level and freshness. Replace fuel filter. Ensure choke is set correctly. Inspect/replace spark plug. Verify fuel line connection.
Engine surges or runs rough	Lean fuel mixture, clogged carburetor jet, air leak, governor issue.	Ensure all carburetor mounting bolts are tight. Check for cracks in intake manifold. Clean carburetor if necessary (professional service recommended).
Engine stalls frequently	Improper idle speed, fuel starvation, clogged air filter.	Adjust idle speed (if adjustable). Check fuel supply. Clean/replace air filter.
Fuel leaks from carburetor	Damaged gaskets, loose connections, stuck float.	Inspect and replace gaskets. Tighten fuel line connections. If float is stuck, carburetor may need disassembly and cleaning (professional service recommended).

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified small engine technician or contact Briggs & Stratton customer support.

SPECIFICATIONS

Feature	Detail
Model Number	494775
Replaces Part Number	494407
Brand	Briggs & Stratton
Product Dimensions	8.99 x 10.8 x 7.19 inches

Feature	Detail
Item Weight	2.82 ounces
Flange Type	Bolt On
UPC	024847847109

WARRANTY INFORMATION

Specific warranty details for the Briggs & Stratton 494775 Carburetor are typically provided by the manufacturer or the authorized seller at the time of purchase. Please retain your proof of purchase. For comprehensive warranty information, it is recommended to:

- Consult the documentation included with your purchase.
- Visit the official Briggs & Stratton website.
- Contact the seller from whom the part was purchased.

SUPPORT

For further assistance, technical support, or to locate authorized service centers, please contact Briggs & Stratton directly or visit their official resources:

- **Briggs & Stratton Official Website:** Refer to the manufacturer's website for service manuals, FAQs, and contact information.
- **Briggs & Stratton Store on Amazon:** [Visit the Briggs & Stratton Store](#)