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Briggs & Stratton 695415

Briggs & Stratton 695415 Main Jet Replacement Part

INSTRUCTION MANUAL

Model: 695415 | Brand: Briggs & Stratton

1. Introduction

The Briggs & Stratton 695415 Main Jet is a genuine replacement component designed for specific Briggs & Stratton engines. This manual provides essential information for the proper installation and maintenance of this part, ensuring optimal engine performance and compliance with emission regulations. Using genuine Briggs & Stratton parts helps maintain the integrity and efficiency of your outdoor power equipment.

2. Safety Information

Always prioritize safety when working with engine components. Failure to follow these safety guidelines may result in personal injury or damage to equipment.

- **Disconnect Spark Plug:** Before performing any maintenance or installation, always disconnect the spark plug wire to prevent accidental engine starting.
- **Ventilation:** Work in a well-ventilated area to avoid inhaling fuel fumes.
- **Fuel Handling:** Handle fuel with extreme care. It is highly flammable. Avoid spills and ensure no open flames or sparks are present.
- **Personal Protective Equipment (PPE):** Wear appropriate safety glasses, gloves, and other protective gear as needed.
- **Engine Temperature:** Ensure the engine is cool before beginning any work.

3. Product Overview

The main jet is a critical component within the carburetor system of a small engine. Its primary function is to regulate the precise flow of fuel into the engine's combustion chamber, ensuring the correct fuel-to-air mixture for efficient operation and proper combustion. The Briggs & Stratton 695415 is an OEM (Original Equipment Manufacturer) part, designed to exact specifications for compatibility and reliable performance in compatible Briggs & Stratton engines.



A close-up view of the brass Briggs & Stratton 695415 Main Jet, featuring a central opening for fuel flow and a black O-ring for sealing. This component is essential for regulating fuel delivery in the carburetor.

4. Installation

This section outlines the general procedure for replacing the main jet. Specific steps may vary slightly depending on your engine model. Always consult your engine's specific owner's manual for detailed instructions.

Tools Required:

- Screwdriver set (flathead and Phillips)
- Wrench set
- Carburetor cleaner (optional, for cleaning)
- New carburetor bowl gasket (recommended, if old one is damaged)
- Suitable container for draining fuel

Installation Steps:

1. **Preparation:** Ensure the engine is completely cool. Disconnect the spark plug wire from the spark plug. If your engine has a fuel shut-off valve, turn it to the 'OFF' position. If not, drain the fuel tank into an approved container.
2. **Accessing the Carburetor:** Carefully remove the air filter assembly and any engine shrouds or covers that obstruct access to the carburetor.
3. **Draining Fuel from Carburetor Bowl:** Place a suitable, empty container directly beneath the carburetor. Locate the carburetor bowl bolt (often at the very bottom of the carburetor bowl). Carefully loosen and remove this bolt. Allow any remaining fuel in the carburetor bowl to drain completely.
4. **Removing the Old Main Jet:** The main jet is typically integrated into the carburetor bowl bolt or located within the carburetor body itself, accessible once the bowl is removed. Using an appropriate flathead screwdriver, carefully unscrew the old main jet. Note its orientation for correct installation of the new part.
5. **Installing the New Main Jet:** Insert the new Briggs & Stratton 695415 Main Jet into its designated position. Carefully screw it in by hand until snug, then tighten gently with a screwdriver. Avoid overtightening, as this can damage the jet or carburetor threads.
6. **Reassembly:** Inspect the carburetor bowl gasket. If it appears worn or damaged, replace it with a new one.

Reattach the carburetor bowl, ensuring the gasket is properly seated, and tighten the bowl bolt securely. Reinstall the carburetor, air filter assembly, and any removed shrouds or covers.

7. **Final Checks:** Reconnect the spark plug wire. If you drained the fuel tank, refill it with fresh, clean fuel. If your engine has a fuel shut-off valve, turn it to the 'ON' position.
8. **Testing:** Start the engine and allow it to run for a few minutes. Observe for proper operation, smooth idling, and any signs of fuel leaks around the carburetor.

5. Maintenance

Proper maintenance of your engine's fuel system, including the main jet, is crucial for longevity and performance.

- **Fuel Quality:** Always use fresh, clean, and appropriate fuel for your engine. Stale or contaminated fuel is a common cause of carburetor issues, including clogged main jets.
- **Fuel Stabilizer:** If storing your equipment for an extended period (e.g., over winter), use a high-quality fuel stabilizer to prevent fuel degradation and gumming in the carburetor.
- **Fuel Filter:** Regularly inspect and replace the fuel filter according to your engine's maintenance schedule to prevent debris from reaching the carburetor.
- **Carburetor Cleaning:** If performance issues arise, a thorough carburetor cleaning may be necessary. This involves disassembling the carburetor and cleaning all passages, including the main jet, with carburetor cleaner.

6. Troubleshooting

If your engine experiences issues after main jet replacement, consider these common troubleshooting steps:

- **Engine Runs Rough or Stalls:**
  - Verify the main jet is securely installed and not cross-threaded.
  - Check for proper fuel flow from the tank to the carburetor.
  - Ensure the carburetor bowl gasket is properly sealed to prevent air leaks.
  - Confirm the fuel is fresh and not contaminated.
- **Engine Lacks Power or Surges:**
  - The main jet might be partially clogged. A thorough carburetor cleaning may be required.
  - Check the air filter for blockages, which can restrict airflow.
- **Fuel Leaks:**
  - Ensure the carburetor bowl bolt is tightened correctly and the gasket is intact and properly seated.
  - Inspect the main jet for any damage or improper seating.

If issues persist, it is recommended to consult an authorized Briggs & Stratton service technician.

7. Specifications

Attribute	Value
Model Number	695415
Brand	Briggs & Stratton
Part Type	Main Jet

Approximate Dimensions (L x W x H)	4 x 4 x 0.25 inches
Approximate Item Weight	0.8 ounces
Material	Brass (typical for main jets)

8. Warranty Information

As a genuine Briggs & Stratton part, this main jet is covered by the manufacturer's standard warranty for replacement parts. For detailed warranty terms, conditions, and registration information, please refer to the official Briggs & Stratton website or consult the documentation provided with your engine.

9. Support

For further assistance, technical support, or to locate authorized service centers, please visit the official Briggs & Stratton website at www.briggsandstratton.com or consult your engine's specific owner's manual. When contacting support, please have your engine's model and serial numbers available.

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