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Briggs & Stratton 697355

Briggs & Stratton 697355 Main Jet Replacement Part Instruction Manual

Genuine Replacement Part for Briggs & Stratton Engines

INTRODUCTION

This manual provides essential information for the proper installation, maintenance, and troubleshooting of the Briggs & Stratton 697355 Main Jet Replacement Part. The main jet is a critical component within the carburetor, responsible for regulating the fuel-to-air mixture delivered to the engine during operation. Using genuine Briggs & Stratton parts ensures compatibility and maintains the performance and emission standards of your engine. For additional support or detailed engine-specific instructions, please refer to your engine's original service manual or visit the official Briggs & Stratton website.

SAFETY INFORMATION

Always prioritize safety when working with engine components. Failure to follow safety precautions can result in serious injury or damage to equipment.

- **Disconnect the spark plug wire:** Before performing any service, disconnect the spark plug wire and secure it away from the spark plug to prevent accidental starting.
- **Allow engine to cool:** Ensure the engine is cool to the touch before beginning work to avoid burns.
- **Work in a well-ventilated area:** Fuel fumes can be hazardous.
- **Wear appropriate personal protective equipment (PPE):** This includes safety glasses and gloves.
- **Handle fuel carefully:** Fuel is highly flammable. Store it in approved containers and away from ignition sources.
- **Refer to engine manual:** Always consult your specific engine's owner's manual for detailed safety warnings and procedures.

COMPATIBILITY

The Briggs & Stratton 697355 Main Jet is a genuine OEM (Original Equipment Manufacturer) replacement part. It is specifically designed for use in various Briggs & Stratton engines that require this particular main jet model. Always verify the part number against your engine's specifications or existing part to ensure correct fitment.

SETUP AND INSTALLATION

Replacing the main jet typically involves working with the carburetor. If you are not comfortable performing this procedure, it is recommended to seek assistance from a qualified service technician.

Tools and Materials Required:

- Socket wrench set or appropriate wrenches
- Screwdriver set
- Clean rags
- Fuel-safe container for draining fuel
- New Briggs & Stratton 697355 Main Jet
- Carburetor cleaner (optional, for cleaning)

Installation Steps:

1. **Preparation:** Ensure the engine is off and cool. Disconnect the spark plug wire. Turn off the fuel supply valve, if equipped, and drain any fuel from the fuel tank into an approved container.
2. **Access the Carburetor:** Depending on your engine model, you may need to remove air filter housing, shrouds, or other components to gain access to the carburetor.
3. **Remove Carburetor Bowl:** Carefully remove the bolt or screws holding the carburetor float bowl in place. Be prepared for residual fuel to drain. Note the position of any gaskets or O-rings.
4. **Locate and Remove Old Main Jet:** The main jet is typically located in the center of the carburetor bowl bolt or within the carburetor body itself, often accessible once the bowl is removed. Use the appropriate tool to carefully unscrew and remove the old main jet. Inspect it for clogs or damage.
5. **Install New Main Jet:** Thread the new Briggs & Stratton 697355 Main Jet into its designated position. Tighten it securely but do not overtighten, as this can damage the jet or carburetor threads.
6. **Reassemble Carburetor:** Ensure all gaskets and O-rings are correctly seated and in good condition. Replace the carburetor float bowl and tighten its retaining bolt/screws.
7. **Reassemble Engine Components:** Reattach any shrouds, air filter housing, or other parts that were removed to access the carburetor.
8. **Reconnect Spark Plug and Refuel:** Reconnect the spark plug wire. Refill the fuel tank with fresh, appropriate fuel. Turn on the fuel supply valve.



This image displays the Briggs & Stratton 697355 Main Jet, a small, precision-machined brass component designed to regulate fuel flow in a carburetor.

POST-INSTALLATION ENGINE OPERATION

After installing the new main jet and reassembling the engine, perform the following checks:

- **Check for Leaks:** Before starting, visually inspect all fuel lines and carburetor connections for any signs of fuel leaks.
- **Start the Engine:** Follow your engine's starting procedure. Allow the engine to warm up.
- **Observe Engine Performance:** Listen for smooth operation, proper idle, and responsiveness when accelerating. The engine should run without sputtering, surging, or excessive smoke.
- **Monitor for Issues:** If the engine runs poorly, refer to the troubleshooting section.

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 fuel. Stale or contaminated fuel is a primary cause of main jet clogging. Consider using a fuel stabilizer if the equipment will be stored for extended periods.
- **Fuel Filter:** Regularly inspect and replace the fuel filter according to your engine's maintenance schedule to prevent debris from reaching the carburetor and main jet.
- **Carburetor Cleaning:** If performance issues arise, the carburetor (including the main jet) may require cleaning. This typically involves disassembling the carburetor and cleaning passages with carburetor cleaner and compressed air.
- **Seasonal Storage:** Before long-term storage, either run the engine until it runs out of fuel or drain the fuel system completely to prevent fuel degradation and gumming in the carburetor.

TROUBLESHOOTING

If your engine experiences issues after main jet replacement, consider the following:

Symptom	Possible Cause	Solution
Engine will not start or starts with difficulty	Incorrect installation of main jet, clogged fuel line, no fuel, spark plug issue, air filter clogged.	Verify main jet is correctly seated. Check fuel level and flow. Inspect spark plug and air filter.
Engine runs rough, surges, or lacks power	Main jet still partially clogged (if not replaced), other carburetor issues, stale fuel, air leak.	Re-inspect main jet and carburetor for debris. Ensure all carburetor gaskets are sealed. Use fresh fuel.
Fuel leaks from carburetor	Improperly seated carburetor bowl, damaged gasket/O-ring, loose main jet.	Check carburetor bowl for proper seating and tightness. Inspect and replace gaskets/O-rings if damaged. Ensure main jet is snug.

SPECIFICATIONS

Part Number: 697355

Type: Main Jet Replacement Part

Manufacturer: Briggs & Stratton

Product Dimensions: Approximately 1 x 7 x 8 inches (packaging dimensions)

Item Weight: Approximately 0.32 ounces

WARRANTY AND SUPPORT

As a genuine Briggs & Stratton part, this main jet is manufactured to high-quality standards. For specific warranty information regarding genuine Briggs & Stratton replacement parts, please refer to the official Briggs & Stratton website or contact their customer support directly. Using genuine parts helps ensure your engine maintains its original warranty and performance specifications.

For technical assistance, parts inquiries, or to locate an authorized service dealer, visit the official [Briggs & Stratton website](#).