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Briggs & Stratton 696135

Briggs & Stratton 696135 Main Jet: Installation and Maintenance Guide

Genuine Original Equipment Manufacturer (OEM) Part

1. Introduction

This manual provides essential information for the proper installation, maintenance, and identification of the Briggs & Stratton 696135 Main Jet. This component is a genuine Original Equipment Manufacturer (OEM) part designed to ensure optimal fuel delivery and engine performance in compatible Briggs & Stratton engines. The main jet plays a critical role in regulating the fuel-to-air mixture within the carburetor, directly impacting engine efficiency and operation.

Image: The official Briggs & Stratton logo, signifying genuine parts and quality.

2. Important Safety Information

Always prioritize safety when working with fuel systems and engine components. Failure to follow safety instructions can result in serious injury or property damage.

- **Disconnect Spark Plug:** Before performing any work on the engine, disconnect the spark plug wire to prevent accidental starting.
- **Fuel Handling:** Work in a well-ventilated area. Fuel is highly flammable. Avoid open flames, sparks, or smoking.
- **Eye Protection:** Wear appropriate eye protection to shield against fuel splashes or debris.
- **Gloves:** Use fuel-resistant gloves to protect your hands.
- **Engine Cool-Down:** Allow the engine to cool completely before servicing to prevent burns.
- **Proper Disposal:** Dispose of old fuel and parts according to local regulations.

3. Part Identification and Compatibility

The Briggs & Stratton 696135 Main Jet is a specific component. It is crucial to verify that this part is compatible with your engine's model and type number before installation. Using an incorrect part can lead to poor engine performance

or damage.



Image: A warning sign emphasizing the importance of checking your engine's model number to ensure part compatibility.

To confirm compatibility, locate your engine's model, type, and code numbers, typically found on a metal plate or sticker on the engine. Refer to your engine's original owner's manual or the Briggs & Stratton website for a parts diagram specific to your engine model.

4. Installation (Replacement)

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

1. **Preparation:**
    - Ensure the engine is cool and the spark plug wire is disconnected.
    - Turn off the fuel supply valve, if equipped, or drain the fuel tank.
    - Place a suitable container beneath the carburetor to catch any spilled fuel.
2. **Access the Carburetor:**
    - Remove any air filter components, shrouds, or other parts that obstruct access to the carburetor.
3. **Remove the Carburetor Bowl:**
    - Locate the carburetor bowl, usually at the bottom of the carburetor. It is typically held in place by a single bolt or screws.
    - Carefully remove the bolt/screws and gently lower the bowl. Be prepared for residual fuel to drain out.
    - Inspect the bowl for debris or varnish buildup. Clean if necessary.
4. **Locate and Remove the Main Jet:**
    - The main jet (Briggs & Stratton 696135) is typically located in the center post of the carburetor bowl or within the main nozzle assembly. It is a small, brass component.
    - Using a flat-head screwdriver of the correct size, carefully unscrew the old main jet. Avoid stripping the head.
    - Note the orientation and any associated washers or O-rings.



Image: The Briggs & Stratton 696135 Main Jet, a small brass component with a central orifice and an O-ring for sealing.

5. **Install the New Main Jet:**
    - Carefully thread the new Briggs & Stratton 696135 Main Jet into its position.
    - Tighten it gently until snug. Do not overtighten, as this can damage the jet or the carburetor body.
6. **Reassemble:**
    - Reattach the carburetor bowl, ensuring the gasket is properly seated and the bolt/screws are tightened securely.
    - Reinstall any removed air filter components, shrouds, or other parts.
    - Reconnect the spark plug wire.
7. **Test:**
    - Turn on the fuel supply.
    - Start the engine and check for proper operation and any fuel leaks.

5. Maintenance

The main jet itself requires minimal maintenance beyond ensuring it remains clean and free of obstructions. Regular carburetor maintenance is key to the longevity and performance of the main jet and the engine.

- **Fuel Quality:** Always use fresh, clean fuel. Stale or contaminated fuel is the primary cause of main jet clogging.
- **Fuel Stabilizer:** Use a fuel stabilizer, especially during storage periods, to prevent fuel breakdown and varnish formation.
- **Fuel Filter:** Ensure your engine has a clean, functional fuel filter to prevent debris from reaching the carburetor and main jet.
- **Carburetor Cleaning:** Periodically clean the carburetor, especially if the engine experiences performance issues. This may involve disassembling and cleaning the main jet and other passages with carburetor cleaner.

6. Troubleshooting

If your engine is experiencing issues related to fuel delivery, the main jet could be a contributing factor. Here are common symptoms and potential causes:

Symptom	Possible Cause (Main Jet Related)

Symptom	Possible Cause (Main Jet Related)
Engine runs rough or surges	Partially clogged main jet, incorrect jet size (if not OEM)
Engine lacks power or stalls under load	Partially or fully clogged main jet, restricted fuel flow
Engine will not start or starts with difficulty	Completely clogged main jet, no fuel reaching the engine
Excessive fuel consumption	Incorrect jet size (if not OEM), damaged jet allowing too much fuel

If you suspect a clogged main jet, follow the installation steps to remove and inspect it. Clean the jet using carburetor cleaner and compressed air, ensuring all orifices are clear. If the jet is damaged or cannot be cleaned effectively, replace it with a genuine Briggs & Stratton 696135 Main Jet.

7. Specifications

- **Part Number:** 696135
- **Type:** Main Jet
- **Material:** Brass (typical for main jets)
- **Compatibility:** Specific Briggs & Stratton engine models (verify with engine model/type number)
- **Dimensions:** Approximately 0.39 x 0.39 x 0.39 inches (0.99 x 0.99 x 0.99 cm)
- **Weight:** Approximately 0.32 ounces (9 grams)
- **Manufacturer:** Briggs & Stratton

8. Warranty and Support

As a genuine Briggs & Stratton OEM part, the 696135 Main Jet is covered by the standard Briggs & Stratton warranty for replacement parts. Warranty terms typically cover defects in material and workmanship under normal use and service. For specific warranty details, claims, or technical support, please refer to the official Briggs & Stratton website or contact their customer service directly. Always retain your proof of purchase.
For further assistance, visit the official Briggs & Stratton website:www.briggsandstratton.com

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