Briggs & Stratton 799584

Briggs & Stratton 799584 Carburetor Instruction Manual

Model: 799584

Introduction

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the Briggs & Stratton 799584 Carburetor. This genuine replacement part is designed for select 9 cubic inch vertical OHV single-cylinder engines, ensuring proper fit and performance to maintain the life of your Briggs & Stratton engine.

Safety Information

Always wear appropriate personal protective equipment, such as safety glasses and gloves, when working on engine components. Ensure the engine is cool and disconnected from its power source (e.g., spark plug wire removed) before beginning any work. Work in a well-ventilated area. Refer to your engine's specific service manual for additional safety guidelines.

Setup and Installation

The Briggs & Stratton 799584 Carburetor is a direct replacement for compatible single-cylinder engines. Follow these steps for proper installation:

1. **Preparation:** Ensure the engine is off and cool. Disconnect the spark plug wire to prevent accidental starting. Drain the fuel tank if necessary.
2. **Remove Air Filter Assembly:** Carefully remove the air filter housing and air filter to access the carburetor.
3. **Disconnect Fuel Line:** Pinch off the fuel line or drain the fuel from the carburetor bowl. Disconnect the fuel line from the old carburetor.
4. **Disconnect Linkages:** Note the position and connection of all throttle and choke linkages, as well as any springs. Carefully disconnect them from the old carburetor. It is recommended to take photos for reference.
5. **Remove Old Carburetor:** Unbolt the old carburetor from the engine. Be mindful of any gaskets between the carburetor and the engine/intake manifold.
6. **Transfer Components:** Some components, such as the plastic lever arm for the choke or throttle, may need to be transferred from your old carburetor to the new Briggs & Stratton 799584 Carburetor. These typically snap on and off

without tools. *Do not discard the old carburetor until the new one is fully installed and functioning.*

7. **Install New Carburetor:** Place new gaskets (if supplied or required) and mount the new carburetor onto the engine. Ensure all mounting bolts are tightened securely according to engine manufacturer specifications.
8. **Reconnect Linkages and Fuel Line:** Reattach all throttle and and choke linkages and springs to their correct positions. Reconnect the fuel line, ensuring a secure, leak-free connection.
9. **Reinstall Air Filter Assembly:** Replace the air filter and air filter housing.
10. **Final Checks:** Reconnect the spark plug wire. Refill the fuel tank with fresh, clean fuel. Check for any fuel leaks before attempting to start the engine.

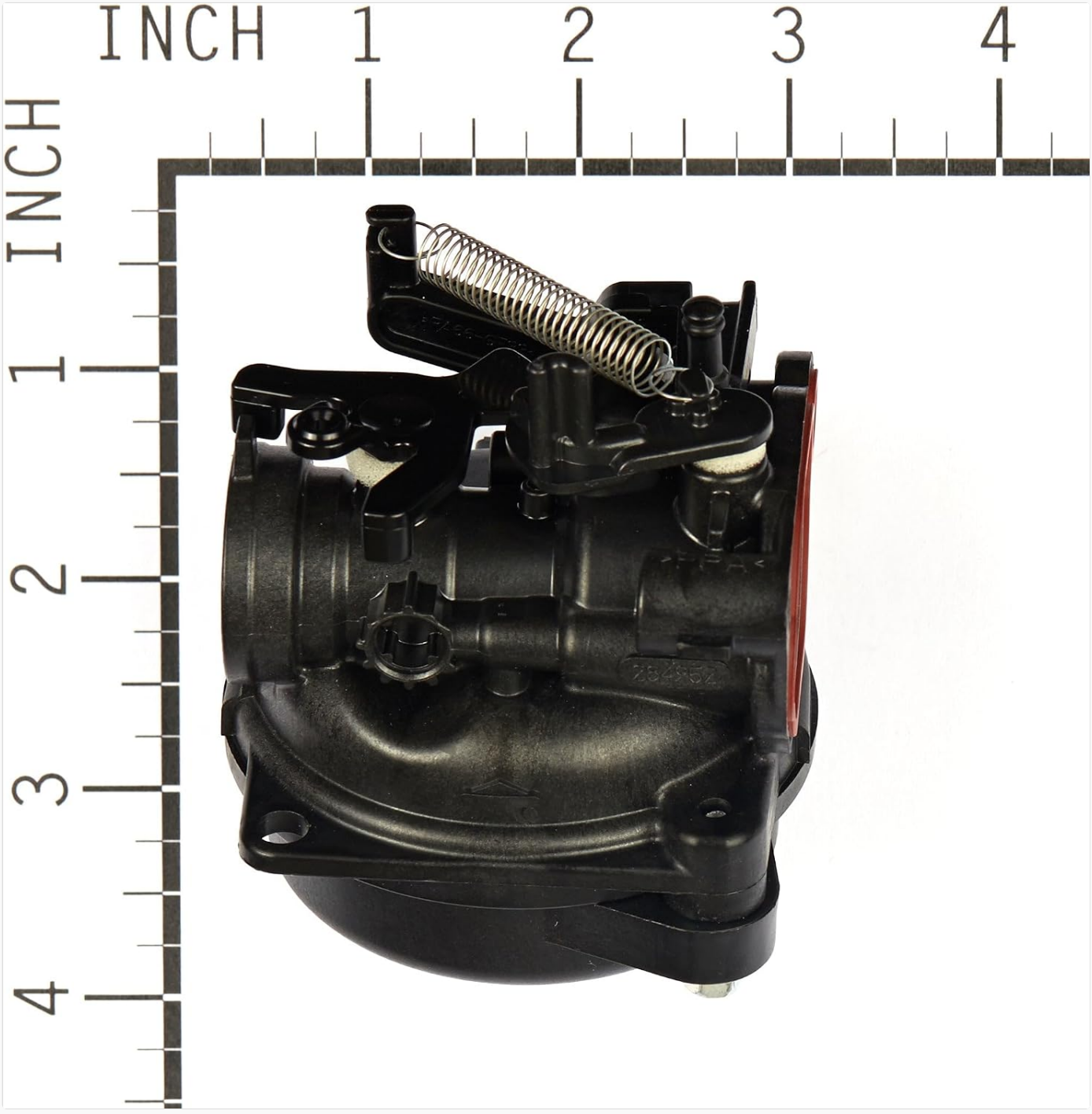


Image: Front view of the Briggs & Stratton 799584 Carburetor, showing its general shape and connection points, measured against an inch ruler.

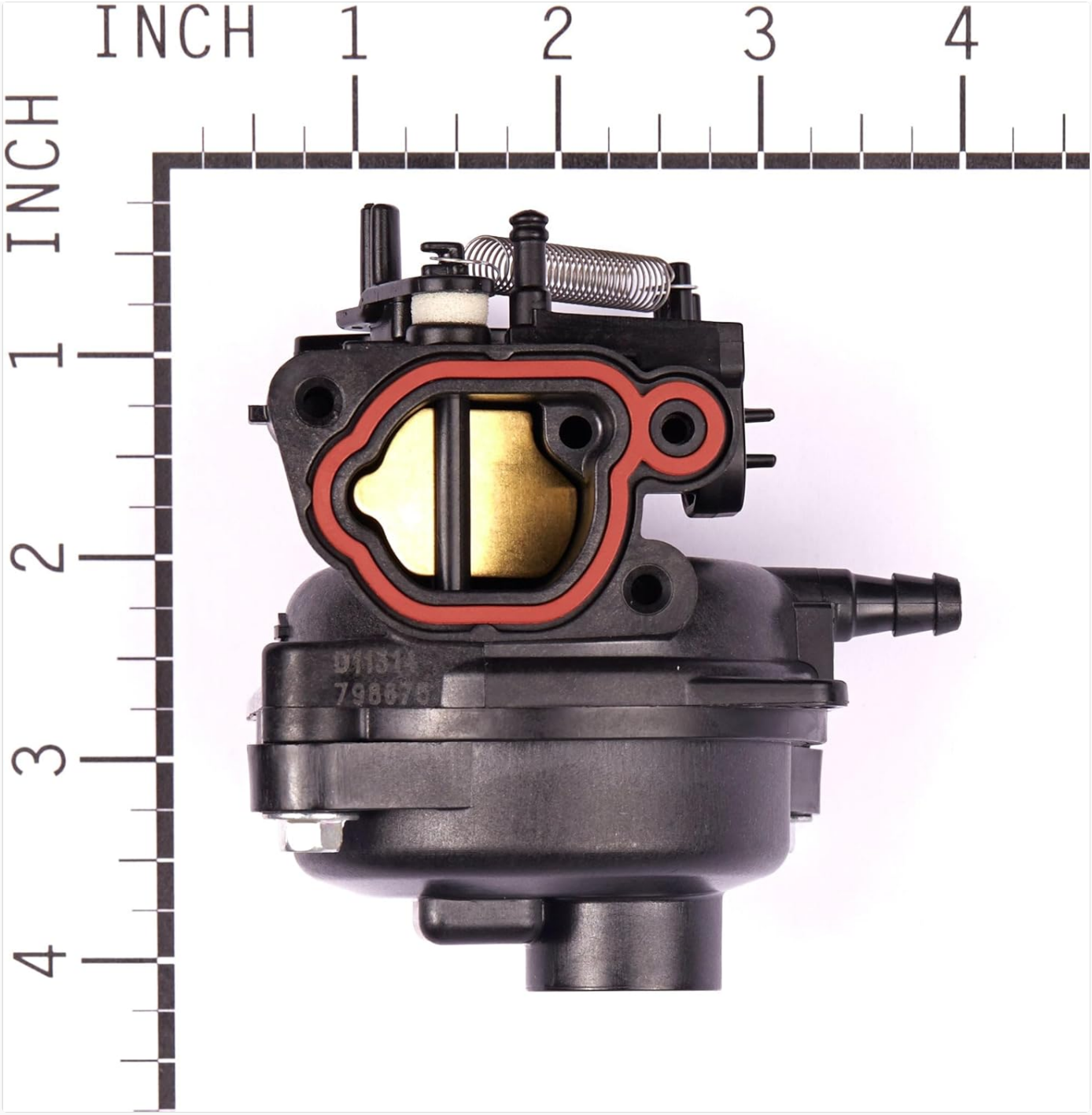


Image: Rear view of the Briggs & Stratton 799584 Carburetor, highlighting the fuel inlet and mounting points, measured against an inch ruler.

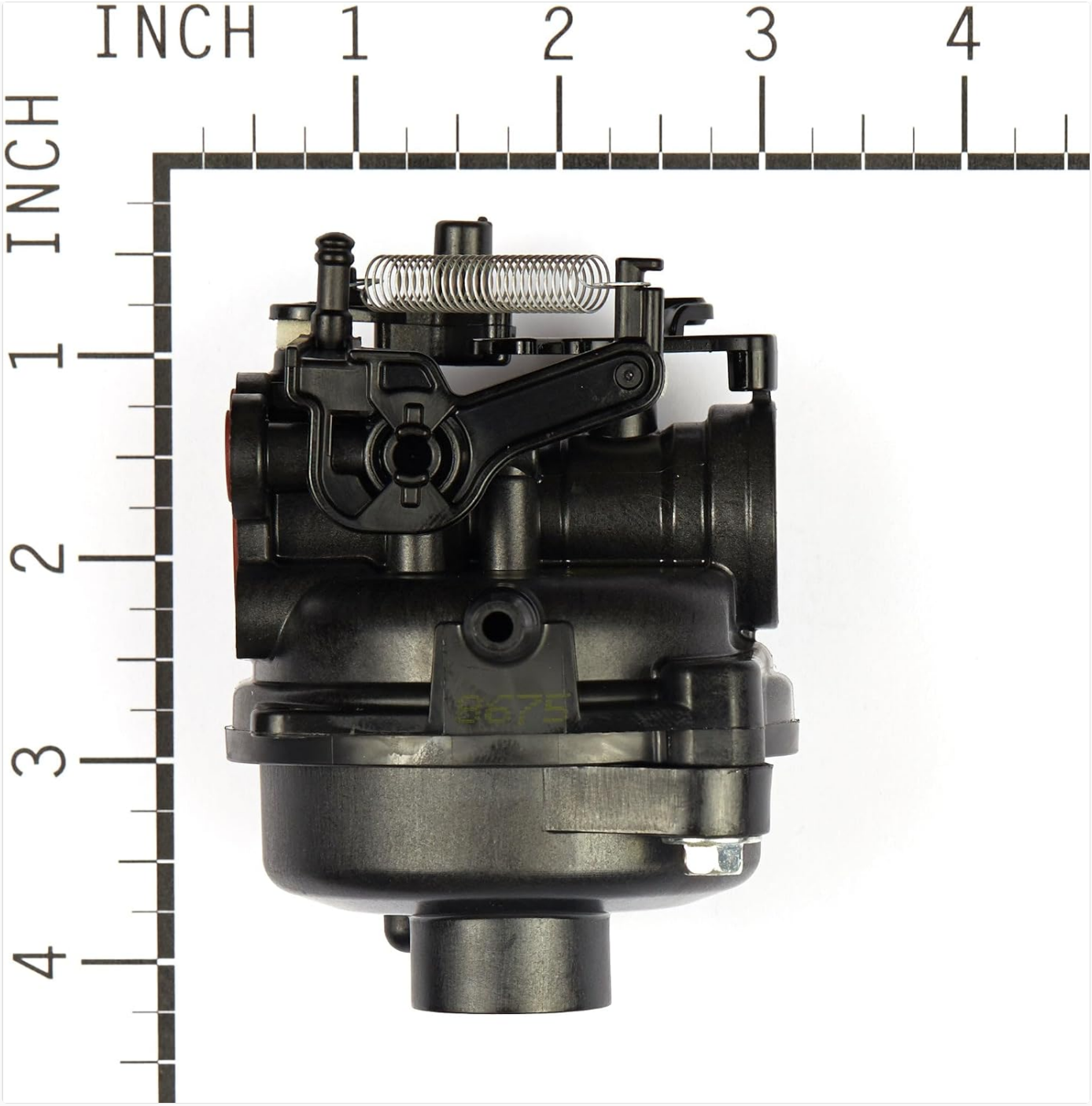


Image: Side view of the Briggs & Stratton 799584 Carburetor, showing the throttle linkage and overall dimensions, measured against an inch ruler.

Operating Principles

The carburetor is a critical component in your engine's fuel system, responsible for mixing air and fuel in the correct proportions for combustion. The Briggs & Stratton 799584 Carburetor is designed to deliver a consistent fuel-air mixture to ensure efficient engine operation. Proper functioning relies on clean fuel and unobstructed fuel passages.
For optimal performance, always use fresh, clean gasoline. Stale fuel can lead to gumming and clogging of carburetor passages, affecting engine performance and potentially causing damage.

Maintenance

Regular maintenance of your carburetor and fuel system is essential for prolonging engine life and ensuring reliable operation.

- **Fuel Quality:** Always use fresh, unleaded gasoline. Consider using a fuel stabilizer, especially during periods of infrequent use or for seasonal storage, to prevent fuel degradation and gum formation in the carburetor.
- **Carburetor Cleaning:** If the engine experiences performance issues such as surging or rough idling, the carburetor may require cleaning. This involves disassembling the carburetor, cleaning all passages with carburetor cleaner, and ensuring jets are clear. Remove rubber gaskets before soaking components in cleaner.
- **Main Jet Replacement:** The main jet (part number 592792) is a common point for clogging. It can often be pulled straight out with needle-nose pliers and replaced with a new one. This is a cost-effective solution for many performance issues.
- **Fuel Bowl Drain:** Many carburetors feature a drain plug on the fuel bowl (often a 10mm or 3/8 inch hex bolt). Loosening this plug allows you to drain fuel from the carburetor for storage, preventing stale fuel issues.
- **Fuel Filter and Line Inspection:** Periodically inspect the fuel filter (if present) and fuel lines for clogs, cracks, or deterioration. Replace as needed.

Troubleshooting

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

- **Engine Surging or Rough Idling:**
  - **Cause:** Clogged main jet or fuel passages.
  - **Solution:** Clean the carburetor thoroughly, focusing on the main jet. Consider replacing the main jet (part number 592792).
- **Engine Not Starting or Dying:**
  - **Cause:** Lack of fuel, clogged fuel filter, or severely clogged carburetor.
  - **Solution:** Ensure fresh fuel is in the tank. Check fuel lines for obstructions. Clean or replace the carburetor. Verify spark plug is connected and functional.
- **Fuel Leaks:**
  - **Cause:** Improperly seated gaskets, loose fuel line connections, or damaged fuel bowl.
  - **Solution:** Inspect all connections and gaskets. Tighten fuel line clamps. Replace any damaged components.
- **Missing or Incorrectly Installed Linkage:**
  - **Cause:** A lever arm or spring was not transferred from the old carburetor or was installed incorrectly.
  - **Solution:** Double-check all linkages against your reference photos or engine diagrams. Ensure the plastic choke lever (part number 591104) is correctly installed if it was transferred.

For specific engine diagrams and part numbers, consult the official Briggs & Stratton website or your engine's service manual using your engine's model number (e.g., 09P702-0003-F1).

Specifications

Feature	Detail
Brand	Briggs & Stratton
Model Number	799584

Fuel Type	Gasoline
Product Dimensions (D x W x H)	1"D x 7"W x 8"H
Item Weight	0.37 Pounds
Included Components	1 x Briggs & Stratton 799584 Carburetor
Compatibility	Select 9 cu. in. vertical OHV engines (e.g., most 09P000 model Briggs & Stratton Engines)

Warranty and Support

For information regarding product warranty, technical support, or to locate authorized service centers, please visit the official Briggs & Stratton website or contact their customer service department. Always refer to your engine's specific model and serial numbers when seeking support.
You can find more information and genuine parts at theBriggs & Stratton Store.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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