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Briggs & Stratton 592567

Briggs & Stratton 592567 Governor Spring Instruction Manual

Genuine Original Equipment Manufacturer (OEM) Part

Introduction

This manual provides essential information for the proper installation, function, and maintenance of the Briggs & Stratton 592567 Governor Spring. This component is a genuine Original Equipment Manufacturer (OEM) part, designed to ensure optimal performance and longevity of your Briggs & Stratton engine. The governor spring plays a critical role in regulating engine speed, ensuring consistent operation under varying loads.



Image: The Briggs & Stratton 592567 Governor Spring. This small, yellow-colored metal spring is a crucial component for engine speed regulation.

Setup and Installation

The Briggs & Stratton 592567 Governor Spring is a replacement part for specific Briggs & Stratton engines. Proper installation is crucial for correct engine operation. Always refer to your engine's specific service manual for detailed,

step-by-step installation instructions, as procedures may vary slightly between engine models.

- **Safety First:** Before beginning any work on the engine, ensure the engine is cool, the spark plug wire is disconnected, and the fuel supply is shut off to prevent accidental starting.
- **Locate the Governor Assembly:** Identify the existing governor spring and its connection points on the carburetor and governor arm.
- **Remove Old Spring:** Carefully detach the old governor spring. Note its orientation and connection points.
- **Install New Spring:** Attach the new Briggs & Stratton 592567 Governor Spring to the correct connection points, ensuring it is securely fastened and not kinked or stretched improperly. The spring should have a slight tension when installed correctly.
- **Verify Connections:** Double-check all connections to ensure the spring is properly seated and will not interfere with other engine components.

If you are unsure about any step, it is recommended to consult a qualified service technician.

Operating Principle

The governor spring works in conjunction with the engine's governor system to maintain a desired engine speed under varying loads. When the engine's load increases (e.g., when a lawnmower encounters thick grass), the engine speed tends to drop. The governor system senses this drop and, through mechanical linkage and the governor spring, adjusts the throttle to allow more fuel and air into the engine, thereby increasing power and restoring the set speed.

Conversely, if the engine speed increases beyond the set point (e.g., when the load is removed), the governor system, aided by the spring's tension, reduces the throttle opening to bring the speed back down. This continuous adjustment ensures smooth and consistent engine operation, preventing over-speeding or stalling.

Maintenance

The Briggs & Stratton 592567 Governor Spring is designed for durability, but regular inspection is recommended to ensure continued optimal engine performance.

- **Visual Inspection:** Periodically inspect the governor spring for signs of wear, stretching, corrosion, or damage. A stretched or weakened spring will not provide proper tension, leading to erratic engine speed.
- **Cleanliness:** Ensure the spring and surrounding governor linkage are free from dirt, debris, or excessive grease that could impede its movement.
- **Replacement:** If the spring shows any signs of damage, stretching, or if the engine exhibits inconsistent speed regulation despite other components being in good order, replace the spring with a genuine Briggs & Stratton 592567 part.

Troubleshooting

Issues with the governor spring can manifest as problems with engine speed regulation. If you experience any of the following, consider inspecting or replacing the governor spring:

- **Engine Surging or Hunting:** The engine speed fluctuates rapidly, increasing and decreasing without a change in load. This is a common symptom of a weak or stretched governor spring.
- **Inconsistent Engine Speed:** The engine fails to maintain a steady RPM under varying loads, either slowing down too much under load or over-speeding when the load is removed.
- **Engine Not Reaching Full RPM:** If the engine does not reach its maximum intended speed, the governor spring might be too stiff or incorrectly installed, preventing the throttle from opening fully.

- **Engine Over-speeding:** The engine runs at an excessively high RPM, potentially causing damage. This could indicate a broken or disconnected governor spring, or other governor system issues.

Always ensure other potential causes, such as carburetor issues, fuel delivery problems, or air filter restrictions, have been ruled out before concluding the governor spring is the sole cause.

Specifications

Attribute	Value
Part Number	592567
Manufacturer	Briggs & Stratton
Type	Governor Spring (OEM)
Color	Yellow
Item Weight	0.01 ounces

Warranty & Support

As a genuine Briggs & Stratton OEM part, the 592567 Governor Spring is manufactured to high standards. For specific warranty information, please refer to the documentation provided with your Briggs & Stratton engine or contact Briggs & Stratton customer support directly. Using genuine OEM parts helps maintain the original warranty of your equipment.

For technical assistance or to locate authorized service centers, visit the official Briggs & Stratton website or contact their customer service department. Always provide your engine's model and serial numbers when seeking support.

Briggs & Stratton Official Website: www.briggsandstratton.com

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