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Briggs & Stratton 591910

Briggs & Stratton 591910 Spark Plug Instruction Manual

Genuine OEM Replacement Part

1. Product Overview

The Briggs & Stratton 591910 Spark Plug is a genuine Original Equipment Manufacturer (OEM) authorized replacement part designed for various Briggs & Stratton engine models. This spark plug is manufactured in the United States and ensures reliable ignition for optimal engine performance in lawn mowers and other outdoor power equipment.
Key features include:

- Genuine OEM authorized part, ensuring compatibility and quality.
- Part Number: 591910.
- Designed for a wide range of Briggs & Stratton models.
- Manufactured in the United States.

2. Safety Information

Always prioritize safety when working with engine components. Read and understand all instructions before installation or maintenance. Failure to follow safety precautions can result in serious injury or damage to equipment.

- **Engine Off:** Ensure the engine is completely off and cooled down before attempting any work on the spark plug.
- **Disconnect Spark Plug Wire:** Always disconnect the spark plug wire to prevent accidental starting.
- **Eye Protection:** Wear appropriate eye protection to guard against debris.
- **Gloves:** Use gloves to protect hands from heat, sharp edges, and grease.
- **Proper Tools:** Use only the correct tools for spark plug removal and installation to avoid damage.
- **Flammable Materials:** Keep flammable materials away from the engine area.

3. Installation (Setup)

Replacing a spark plug is a routine maintenance task. Follow these steps carefully:

1. **Prepare the Engine:** Ensure the engine is cool and the spark plug wire is disconnected. Clean any debris around the spark plug area to prevent it from falling into the combustion chamber when the plug is removed.
2. **Remove Old Spark Plug:** Use a spark plug wrench to loosen and remove the old spark plug. Turn counter-clockwise.

3. **Inspect New Spark Plug:** Before installing the new Briggs & Stratton 591910 spark plug, visually inspect it for any damage.
4. **Check and Adjust Gap:** *It is critical to set the spark plug gap to the manufacturer's recommended specification, typically 0.025 inches (0.64 mm) for many Briggs & Stratton engines.* Use a spark plug gapping tool to verify and adjust the gap if necessary. Refer to your engine's specific manual for the exact gap setting.
5. **Install New Spark Plug:** Thread the new spark plug into the cylinder head by hand to prevent cross-threading. Once finger-tight, use the spark plug wrench to tighten it. Do not overtighten; typically, a quarter to a half turn past finger-tight is sufficient for new plugs with a gasket. Consult your engine manual for specific torque specifications.
6. **Reconnect Spark Plug Wire:** Firmly reattach the spark plug wire to the new spark plug.



Image 1: The Briggs & Stratton 591910 Spark Plug. This image shows the spark plug next to a ruler, indicating its approximate length is just over 2 inches. The ceramic insulator is visible, along with the threaded metal body and electrode.

4. Operating Considerations

Once the new spark plug is installed, the engine should start and run smoothly. A properly gapped and installed spark

plug contributes to efficient combustion and reliable engine operation.

- **First Start:** After installation, attempt to start the engine. A correctly installed spark plug should result in easier starting.
- **Engine Performance:** Monitor engine performance. Improved starting, smoother idle, and better power output are indicators of a healthy spark plug.
- **Troubleshooting:** If the engine does not start or runs poorly after spark plug replacement, re-check the installation steps, especially the spark plug gap and the connection of the spark plug wire.

5. Maintenance

Regular inspection and maintenance of your spark plug are crucial for engine longevity and performance.

- **Inspection Frequency:** Inspect the spark plug annually or every 25 operating hours, whichever comes first.
- **Cleaning:** If the spark plug is fouled with carbon deposits, it can be cleaned with a wire brush. However, replacement is often recommended for optimal performance.
- **Re-gapping:** After cleaning, re-check and adjust the spark plug gap to the specified setting.
- **Replacement:** Replace the spark plug as part of your engine's recommended maintenance schedule, typically every 100 operating hours or annually. A worn or improperly gapped spark plug can lead to hard starting, misfires, and reduced fuel efficiency.

6. Troubleshooting Common Issues

Symptom	Possible Cause	Solution
Engine won't start or starts with difficulty	Incorrect spark plug gap, fouled spark plug, loose spark plug wire.	Check and adjust gap. Clean or replace spark plug. Ensure wire is securely connected.
Engine misfires or runs rough	Fouled or worn spark plug, incorrect gap.	Inspect, clean, re-gap, or replace the spark plug.
Reduced engine power or fuel efficiency	Worn or improperly gapped spark plug.	Replace the spark plug according to maintenance schedule.

7. Product Specifications

- **Part Number:** 591910
- **Brand:** Briggs & Stratton
- **Core Material:** Copper
- **OEM Equivalent Part Number:** 591910
- **UPC:** 024847723922
- **Manufacturer:** Briggs and Stratton
- **Country of Manufacture:** United States
- **Compatibility:** Fits various Briggs & Stratton engine models (refer to your engine's manual for specific compatibility).

8. Warranty and Support

As an Original Equipment Manufacturer (OEM) part, the Briggs & Stratton 591910 Spark Plug is covered by Briggs & Stratton's standard warranty for genuine replacement parts. For specific warranty details, claims, or technical support, please refer to the official Briggs & Stratton website or contact their customer service directly.

Official Website: www.briggsandstratton.com

Always use genuine Briggs & Stratton parts to maintain product warranty and ensure optimal performance and safety.

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