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Briggs & Stratton 796112

Briggs & Stratton Spark Plug Model 796112 Instruction Manual

Essential information for proper installation, maintenance, and troubleshooting.

Product Overview

The Briggs & Stratton Spark Plug, model 796112, is a genuine OEM replacement part designed for various small engines, particularly those found in lawn mowers and other outdoor power equipment. This spark plug is crucial for initiating combustion in the engine, ensuring reliable starting and efficient operation. It is compatible with J19LM and RJ19LM specifications.



Image: A collection of Briggs & Stratton 796112 spark plugs, illustrating the product.

Safety Information

- Always disconnect the spark plug wire before performing any maintenance to prevent accidental engine starting.
- Allow the engine to cool completely before handling spark plugs to avoid burns.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Refer to your equipment's owner's manual for specific safety precautions and procedures.

Installation Instructions

1. **Preparation:** Ensure the engine is off and cool. Disconnect the spark plug wire. Clean the area around the spark plug to prevent debris from entering the combustion chamber.
2. **Removal of Old Spark Plug:** Use a spark plug wrench to carefully loosen and remove the old spark plug. Turn counter-clockwise.
3. **Inspect New Spark Plug:** Before installation, visually inspect the new Briggs & Stratton 796112 spark plug for any damage.
4. **Gap Adjustment (if necessary):** While Briggs & Stratton spark plugs are typically pre-gapped, it is recommended to verify the gap using a spark plug gap tool. Consult your engine's owner's manual for the correct gap specification. Adjust by carefully bending the ground electrode if needed.
5. **Installation:** Thread the new spark plug into the cylinder head by hand to prevent cross-threading. Once finger-tight, use a spark plug wrench to tighten it. Refer to your engine's manual for specific torque specifications. Overtightening can damage the cylinder head.
6. **Reconnect:** Firmly reattach the spark plug wire to the new spark plug.

Maintenance and Inspection

Regular inspection and maintenance of your spark plug are essential for optimal engine performance and longevity. It is recommended to inspect the spark plug at least once per season or every 25 operating hours, whichever comes first.

- **Visual Inspection:** Check the ceramic insulator for cracks or chips. Examine the electrodes for wear, fouling (carbon buildup), or deposits. A light tan or grayish-brown color on the insulator tip indicates proper engine operation.
- **Cleaning:** If the spark plug is fouled but otherwise in good condition, it can sometimes be cleaned with a wire brush and spark plug cleaner. However, replacement is often more effective for consistent performance.
- **Gap Re-check:** Verify the spark plug gap during each inspection.
- **Replacement:** Replace the spark plug annually or as recommended by your engine manufacturer, even if it appears to be in good condition. Worn spark plugs can lead to hard starting, misfires, reduced fuel efficiency, and increased emissions.

Troubleshooting Common Issues

Symptom	Possible Cause (Spark Plug Related)	Solution
Engine hard to start	Fouled, worn, or incorrectly gapped spark plug	Inspect, clean, re-gap, or replace the spark plug.
Engine misfires or runs rough	Damaged, fouled, or incorrect spark plug	Check for cracks in the insulator, clean or replace the spark plug. Ensure correct model is used.
Reduced engine power	Worn or improperly gapped spark plug	Replace the spark plug and ensure proper gapping.
Excessive smoke from exhaust	Oil-fouled spark plug (often indicates other engine issues)	Replace spark plug, but also investigate underlying engine problems causing oil burning.

Product Specifications

Brand: Briggs & Stratton

Model Number: 796112

OEM Part Number: 796112

Core Material: Copper

Thread Size: 19mm

Top Material Type: Nickel

Vehicle Service Type: Lawn Mower (and other small engines)

UPC: 704660036361

Item Weight: Approximately 0.01 ounces per plug

Product Dimensions: Approximately 1 x 4 x 2.38 inches (packaging dimensions)

Warranty and Support

For warranty information or technical support regarding your Briggs & Stratton Spark Plug, please refer to the documentation provided with your engine or contact Briggs & Stratton customer service directly. Always provide the model and serial number of your engine when seeking support.
You can visit the official Briggs & Stratton website for further assistance:www.briggsandstratton.com

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