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› [Briggs & Stratton](#) /

› Briggs & Stratton 496018 Spark Plug (2-Pack) for OHV Engines - Installation and Maintenance Manual

Briggs & Stratton 496018

Briggs & Stratton 496018 Spark Plug (2-Pack) Instruction Manual

For OHV Engines - Replaces 5066K, RC14YC

[Introduction](#) [Safety](#) [Compatibility](#) [Installation](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty](#)
& [Support](#)

1. INTRODUCTION

This manual provides essential instructions for the proper installation, maintenance, and troubleshooting of your Briggs & Stratton 496018 Spark Plugs. These genuine OEM replacement spark plugs are designed for use in various OHV (Overhead Valve) engines and are supplied in a convenient 2-pack. They are direct replacements for models such as 5066K and RC14YC. Adhering to these guidelines will help ensure optimal engine performance and longevity.

2. SAFETY INFORMATION

Always prioritize safety when working with engine components. Failure to follow safety precautions can result in serious injury or damage to equipment.

- **Engine Off:** Ensure the engine is completely off, cool, and the spark plug wire is disconnected before attempting any work.
- **Eye Protection:** Wear appropriate eye protection to guard against debris.
- **Gloves:** Use gloves to protect hands from sharp edges or hot components.
- **Ventilation:** Work in a well-ventilated area.
- **Flammable Materials:** Keep sparks, open flames, and flammable materials away from the engine area.

3. COMPATIBILITY

The Briggs & Stratton 496018 spark plugs are genuine OEM replacement parts compatible with a wide range of Briggs & Stratton OHV engines. These plugs replace models such as 5066K and RC14YC.

Important: Always consult your engine's owner's manual or the manufacturer's specifications to confirm the correct spark plug part number for your specific engine model before installation. This ensures proper fitment and optimal engine performance. A partial list of compatible Briggs & Stratton engine models includes, but is not limited to, various models in the 93400, 19E400, 19F400, 19G400, 19A400, 19B400, 19C400, 9K400, 294440, 294447, 294777, 295447, 297440, 297447, 303447, 305440, 305447, 350447, 355447, 356447, and 385447 series.

4. INSTALLATION

Proper installation is crucial for engine performance and to prevent damage.

4.1 Pre-Installation Check

- **Inspect New Plugs:** Visually inspect the new spark plugs for any signs of damage to the insulator or electrodes.
- **Check Gap:** While these spark plugs are typically pre-gapped for common applications, it is recommended to verify the electrode gap using a spark plug gap tool. Refer to your engine's owner's manual for the correct gap specification. Adjust if necessary by carefully bending the ground electrode.

4.2 Removing Old Spark Plugs

1. Ensure the engine is cool and the ignition is off.
2. Carefully pull the spark plug wire boot from the old spark plug. Avoid pulling on the wire itself.
3. Use a spark plug socket wrench to loosen and remove the old spark plug. Turn counter-clockwise.
4. Inspect the old spark plug for signs of wear, fouling, or damage, which can indicate engine issues.

4.3 Installing New Spark Plugs

1. Thread the new spark plug into the cylinder head by hand to prevent cross-threading.
2. Once finger-tight, use a spark plug socket wrench to tighten the plug.
3. **Torque Specification:** Tighten to the torque specified in your engine's owner's manual. If a torque wrench is not available, tighten approximately 1/2 to 2/3 turn after the gasket makes contact for new plugs, or 1/8 to 1/4 turn for used plugs (if re-installing). Overtightening can damage the cylinder head or spark plug.
4. Reconnect the spark plug wire boot firmly onto the new spark plug. Ensure a secure connection.



Image: Briggs & Stratton 496018 Spark Plug (2-Pack). This image displays two spark plugs, highlighting their design and packaging as a pair.

5. OPERATING

Once the new spark plugs are correctly installed, the engine should start and operate smoothly. The spark plug is a critical component in the ignition system, providing the spark that ignites the air-fuel mixture in the engine's combustion chamber. Proper spark plug function ensures efficient fuel combustion, leading to optimal engine power and fuel economy.

6. MAINTENANCE

Regular inspection and timely replacement of spark plugs are essential for maintaining engine health.

- **Inspection Schedule:** Refer to your engine's owner's manual for recommended spark plug inspection and replacement intervals. Typically, spark plugs should be inspected annually or every 25-50 operating hours, and replaced as needed.

- **Signs of Wear:** Look for signs of wear such as excessive electrode erosion, carbon fouling (black, sooty deposits), oil fouling (wet, oily deposits), or overheating (white, blistered insulator).
- **Cleaning:** Lightly fouled spark plugs can sometimes be cleaned with a wire brush, but replacement is generally recommended for optimal performance.
- **Fuel Quality:** Using high-quality, ethanol-free fuel can help extend spark plug life and prevent fouling.

7. TROUBLESHOOTING

If your engine experiences issues after spark plug installation or during normal operation, consider the following:

Symptom	Possible Cause	Solution
Engine hard to start	Incorrect spark plug gap, fouled spark plug, weak spark	Check/adjust gap, clean or replace spark plug, inspect ignition system.
Engine misfires or runs rough	Fouled or worn spark plug, incorrect gap, loose spark plug wire	Replace spark plug, check/adjust gap, ensure spark plug wire is secure.
Loss of engine power	Worn or improperly gapped spark plugs	Replace spark plugs, ensure correct gap.
Excessive fuel consumption	Fouled spark plugs leading to inefficient combustion	Replace spark plugs.

If troubleshooting steps do not resolve the issue, consult a qualified service technician or refer to your engine's comprehensive service manual.

8. SPECIFICATIONS

Feature	Detail
Brand	Briggs & Stratton
Model Number	496018
Manufacturer Part Number	496018
Unit Count	2.0 Count (2-Pack)
Core Material	Copper
Thread Size	RM
Top Material Type	Metal
Vehicle Service Type	Lawn Mower (and other compatible OHV engines)
Item Weight	0.19 Pounds
UPC	704660036422
ASIN	B00GG1BZM4

9. WARRANTY AND SUPPORT

For specific warranty information regarding your Briggs & Stratton 496018 Spark Plugs, please refer to the documentation provided with your engine or contact Briggs & Stratton customer support directly. As a genuine OEM part, these spark plugs are manufactured to high standards. For technical assistance or further inquiries, visit the official Briggs & Stratton website or contact their authorized service centers.

Briggs & Stratton Official Website: www.briggsandstratton.com

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