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Briggs & Stratton 19576S

Briggs & Stratton 19576S Spark Plug Wrench, 8"

Model: 19576S

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1. Introduction

The Briggs & Stratton 19576S Spark Plug Wrench is an essential tool designed for the removal and installation of spark plugs in various outdoor power equipment engines. This 8-inch wrench features a dual-size design, accommodating both 13/16" and 5/8" spark plugs, making it versatile for common engine maintenance tasks. Constructed from durable alloy steel, it provides the necessary leverage and reach for accessing spark plugs in confined spaces.





Figure 1: Briggs & Stratton 19576S Spark Plug Wrench in its packaging.

2. Setup

The Briggs & Stratton 19576S Spark Plug Wrench is a ready-to-use tool that requires no assembly. Before use, identify the correct spark plug size for your engine. This wrench offers two common sizes:

- **13/16 inch:** Typically used for larger spark plugs.
- **5/8 inch:** Commonly used for smaller spark plugs.

Visually inspect the spark plug to determine which end of the wrench will fit securely. Ensure the wrench fits snugly over the spark plug hex to prevent stripping.



Figure 2: Close-up view of the 13/16 inch end of the wrench.



Figure 3: Close-up view of the 5/8 inch end of the wrench.

3. Operation

3.1 Removing a Spark Plug

1. **Safety First:** Ensure the engine is off and cool. Disconnect the spark plug wire.
2. **Clean Area:** Clean any debris around the spark plug base to prevent it from falling into the combustion chamber when the plug is removed.
3. **Attach Wrench:** Select the correct size end of the 19576S wrench and carefully slide it over the spark plug. Ensure it seats fully and securely.
4. **Apply Leverage:** Insert a suitable hex wrench or rod (not included) through the hole in the side of the spark plug wrench to create a T-handle for leverage.
5. **Loosen Plug:** Turn the wrench counter-clockwise to loosen the spark plug. If the plug is very tight, apply steady, firm

pressure. Avoid sudden jerking motions.

6. **Remove Plug:** Once loosened, continue to turn the wrench by hand until the spark plug can be unscrewed completely. Carefully remove the old spark plug.

3.2 Installing a Spark Plug

1. **Inspect New Plug:** Ensure the new spark plug is the correct type and has the proper gap as specified by your engine manufacturer.
2. **Thread by Hand:** Start threading the new spark plug into the engine by hand. This helps prevent cross-threading.
3. **Tighten with Wrench:** Once hand-tight, use the 19576S wrench to tighten the spark plug. Insert a hex wrench for leverage.
4. **Proper Torque:** Tighten the spark plug according to your engine manufacturer's specifications. Over-tightening can damage the spark plug or engine head. As a general guideline, for new spark plugs, tighten 1/2 to 2/3 turn after the gasket makes contact. For used spark plugs, tighten 1/12 turn after contact.
5. **Reconnect Wire:** Reconnect the spark plug wire securely.

4. Maintenance

The Briggs & Stratton 19576S Spark Plug Wrench requires minimal maintenance to ensure its longevity and proper function.

- **Cleaning:** After each use, wipe the wrench clean with a dry cloth to remove any dirt, oil, or debris. If necessary, use a mild degreaser and then dry thoroughly.
- **Storage:** Store the wrench in a dry place to prevent rust. Avoid storing it in damp environments or where it may be exposed to corrosive chemicals.
- **Inspection:** Periodically inspect the wrench for any signs of damage, such as cracks, bends, or excessive wear. A damaged wrench should be replaced to ensure safe and effective operation.

5. Troubleshooting

This section addresses common issues encountered when using the spark plug wrench.

Problem	Possible Cause	Solution
Wrench does not fit spark plug.	Incorrect spark plug size or wrench not fully seated.	Verify the spark plug size. Ensure the wrench is pushed completely onto the spark plug hex.
Spark plug is difficult to loosen.	Spark plug is seized due to rust, carbon buildup, or overtightening. Insufficient leverage.	Apply penetrating oil around the spark plug threads and allow it to soak. Ensure a sturdy hex wrench or rod is used for maximum leverage. Apply steady, increasing pressure. Avoid excessive force that could damage the plug or engine.
Wrench slips on spark plug.	Wrench is not fully seated, or spark plug hex is rounded/damaged.	Ensure the wrench is fully engaged. If the spark plug hex is damaged, specialized tools may be required for removal.

6. Specifications

- **Brand:** Briggs & Stratton

- **Model Number:** 19576S
- **Material:** Alloy Steel
- **Compatible Spark Plug Sizes:** 13/16 inch and 5/8 inch
- **Length:** Approximately 8 inches (21 cm)
- **UPC:** 024847112672

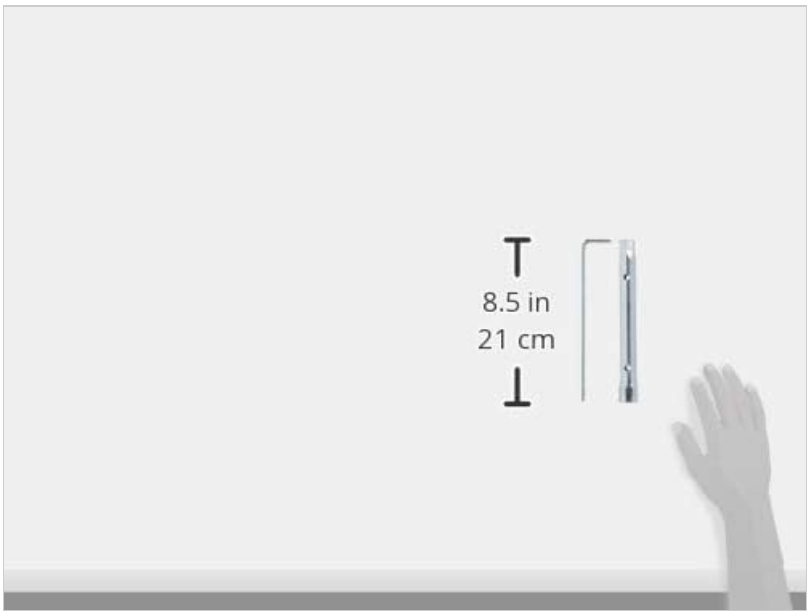

Figure 4: Approximate dimensions of the spark plug wrench.

7. Warranty & Support

7.1 Warranty Information

Specific warranty details for the Briggs & Stratton 19576S Spark Plug Wrench are not provided in this manual. For comprehensive warranty information, please refer to the documentation included with your purchase or contact Briggs & Stratton directly.

7.2 Customer Support

For further assistance, technical support, or to inquire about replacement parts, please visit the official Briggs & Stratton website or contact their customer service department. You can find detailed information and contact options at: www.briggsandstratton.com.
When contacting support, please have your product model number (19576S) available.

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