



RIV-Sep33232

# Generic Ignition Coil Module User Manual

For Briggs & Stratton 5500 8500 Elite Generators (Model 01654)

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## 1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Generic Ignition Coil Module, designed for use with Briggs & Stratton 5500 and 8500 Elite Generators, specifically model 01654. Please read these instructions carefully before proceeding with installation or any related procedures to ensure safe and correct usage.

## 2. SAFETY INFORMATION

**WARNING: Always disconnect the spark plug wire and battery cables (if applicable) before performing any service or maintenance on the generator to prevent accidental starting and electrical shock.**

- Ensure the generator is completely shut down and cooled before beginning work.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves.
- If you are unsure about any step, consult a qualified technician.
- Keep children and pets away from the work area.
- Handle electrical components with care to avoid damage.

## 3. PACKAGE CONTENTS

Verify that all items are present upon opening the package:

- 1 x Ignition Coil Module



Figure 1: The ignition coil module as received in its protective packaging.

## 4. INSTALLATION

This section outlines the general procedure for replacing an ignition coil module. Specific steps may vary slightly depending on your generator model. Refer to your generator's original service manual for detailed instructions.

### 1. Preparation:

- Ensure the generator is turned off, cooled, and the spark plug wire is disconnected.
- Locate the existing ignition coil. It is typically mounted near the flywheel.

### 2. Removal of Old Coil:

- Carefully disconnect any wires attached to the old ignition coil. Note their positions for reinstallation.
- Unscrew the mounting bolts securing the old coil to the engine block.
- Remove the old ignition coil.

### 3. Installation of New Coil:

- Position the new ignition coil module (Model RIV-Sep33232) in the same location as the old one.
- Secure the coil with the mounting bolts. Ensure proper spacing between the coil and the flywheel magnets (typically using a feeler gauge or a business card as a spacer). Consult your generator's manual for the exact air gap specification.
- Reconnect all wires to the new ignition coil, ensuring they are securely fastened and in their correct positions.
- Reconnect the spark plug wire.

*Illustration Purpose Only, The real Item might be different*

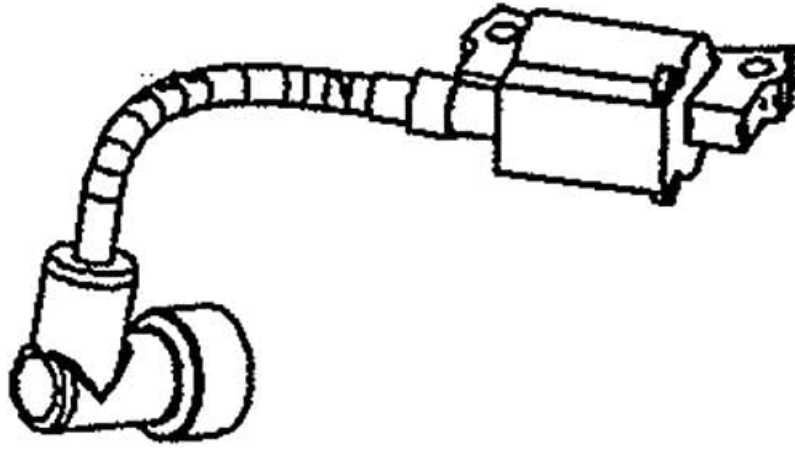


Figure 2: A schematic illustration of an ignition coil module, showing its general form and connections.



Figure 3: An example of a Briggs & Stratton Elite Series Generator, similar to those compatible with this ignition coil.

## 5. FUNCTION CHECK

After installation, perform the following checks:

- **Spark Test:** With the spark plug wire connected to the spark plug, ground the spark plug electrode against a metal part of the engine (away from the spark plug hole) and crank the engine. A strong, blue spark should be visible. Use a spark tester for a safer and more accurate test.
- **Engine Start:** Attempt to start the generator according to its normal starting procedure. The engine should start and run smoothly.

## 6. MAINTENANCE

The ignition coil module is generally a sealed unit and requires minimal maintenance. However, regular inspection of its connections and surrounding area is recommended:

- **Cleanliness:** Keep the coil and its connections free from dirt, debris, and moisture.
- **Connections:** Periodically check that all electrical connections to the coil are secure and free from corrosion.
- **Air Gap:** If the generator experiences ignition issues, re-check the air gap between the coil and the flywheel magnets.

## 7. TROUBLESHOOTING

If the generator fails to start or runs poorly after installing the new ignition coil, consider the following:

Problem	Possible Cause	Solution
No Spark	Incorrect air gap; faulty spark plug; loose wiring; kill switch engaged.	Adjust air gap; replace spark plug; check and secure all connections; disengage kill switch.
Weak Spark	Incorrect air gap; faulty spark plug; poor ground connection.	Adjust air gap; replace spark plug; ensure good ground connection.
Engine Cranks but Won't Start	No spark (see above); fuel issues; carburetor issues.	Verify spark; check fuel level and quality; inspect fuel lines and carburetor.

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified generator technician.

## 8. SPECIFICATIONS

- **Product Type:** Ignition Coil Module
- **Brand:** Generic
- **Model Number:** RIV-Sep33232
- **Compatibility:** Briggs & Stratton 5500 8500 Elite Generator 01654
- **Manufacturer:** BMotorParts
- **ASIN:** B0DK5PRHBN

## 9. WARRANTY AND SUPPORT

For warranty information and customer support regarding this Generic Ignition Coil Module, please refer to the seller or manufacturer's documentation provided at the time of purchase. Keep your proof of purchase for any warranty claims.

If you require technical assistance or have questions not covered in this manual, please contact the product seller directly.