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Briggs & Stratton 592831

Briggs & Stratton 592831 Alternator Instruction Manual

Genuine OEM Replacement Part

Product Overview

The Briggs & Stratton 592831 Alternator is a genuine OEM replacement part designed to maintain the electrical system of compatible Briggs & Stratton engines. This component is crucial for recharging the battery and powering the electrical accessories of your equipment while the engine is running. It replaces part numbers 696459, 691063, 393474, and 393800.



Image: The Briggs & Stratton 592831 Alternator, showing its circular coil design and electrical connector.

Installation Guide

Proper installation of the alternator is essential for its correct function and the safety of your equipment. It is

recommended that installation be performed by a qualified technician. Always disconnect the battery before beginning any electrical work.

Tools Required:

- Wrench set
- Socket set
- Screwdriver set
- Torque wrench (for specific fasteners)
- Safety glasses
- Gloves

Installation Steps:

1. **Safety First:** Ensure the engine is off and cool. Disconnect the negative terminal of the battery, followed by the positive terminal.
2. **Access the Alternator:** Depending on your engine model, you may need to remove shrouds, covers, or other components to gain access to the existing alternator. Refer to your engine's specific service manual for detailed disassembly instructions.
3. **Disconnect Wiring:** Carefully disconnect the electrical connector(s) from the old alternator. Note the routing of the wires for reassembly.
4. **Remove Old Alternator:** Unbolt and remove the old alternator from its mounting location. Keep track of all fasteners.
5. **Install New Alternator:** Position the new Briggs & Stratton 592831 Alternator in place. Secure it with the appropriate fasteners. Ensure all connections are clean and free of corrosion.
6. **Connect Wiring:** Reconnect the electrical connector(s) to the new alternator. Ensure a secure and proper connection.
7. **Reassemble Components:** Reinstall any shrouds, covers, or other components that were removed to access the alternator.
8. **Reconnect Battery:** Reconnect the positive terminal of the battery, followed by the negative terminal.
9. **Test Functionality:** Start the engine and verify that the battery is charging correctly. Check for any warning lights related to the charging system.

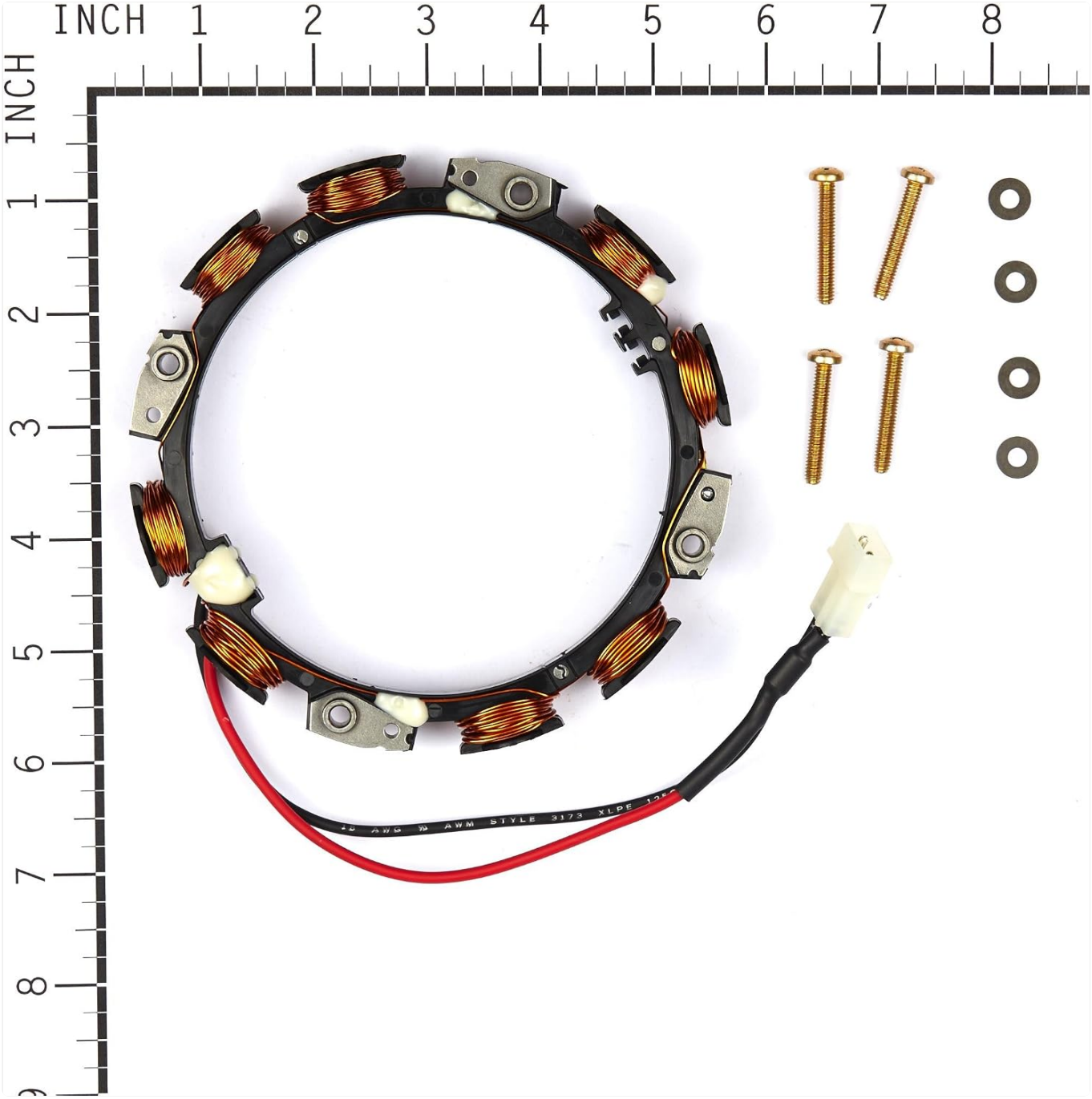

Image: The Briggs & Stratton 592831 Alternator shown with a ruler for scale, indicating its physical dimensions and mounting points. This image also shows the included screws and washers.

Operation and Function

The alternator's primary function is to convert mechanical energy from the engine's rotation into electrical energy. This electrical energy is then used to recharge the equipment's battery and power various electrical components while the engine is running. A properly functioning alternator ensures consistent power supply and extends battery life.

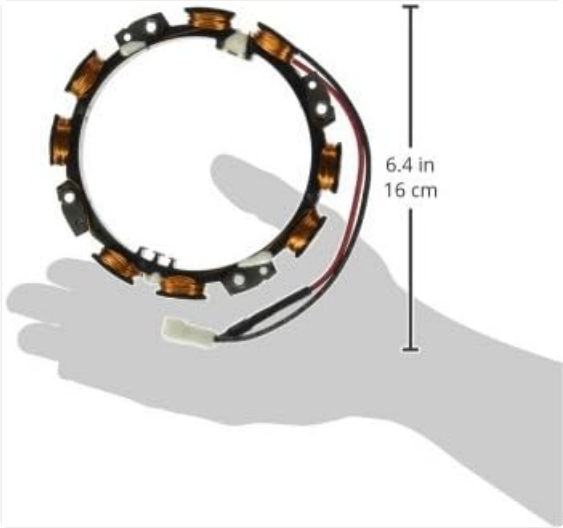

Image: The Briggs & Stratton 592831 Alternator held in a hand, providing a visual reference for its compact size. The image also indicates a height of 6.4 inches (16 cm).

Maintenance

Alternators are generally low-maintenance components. However, regular inspection of the charging system can help identify potential issues early.

Inspection Points:

- **Wiring and Connections:** Periodically check all electrical connections to the alternator for tightness and corrosion. Clean any corroded terminals.
- **Belt Condition (if applicable):** If your engine uses a belt to drive the alternator, inspect the belt for cracks, fraying, or excessive wear. Ensure proper belt tension.
- **Battery Health:** A weak or failing battery can put undue strain on the alternator. Ensure your battery is in good condition and holds a charge.

Troubleshooting

If you experience issues with your equipment's charging system, the alternator may be a contributing factor. Here are common symptoms and potential causes:

Symptom	Possible Cause	Action
Battery not charging	Faulty alternator, loose or corroded connections, bad battery, faulty voltage regulator (if external)	Check all connections. Test battery. Test alternator output. Replace alternator if faulty.
Dim lights or electrical components	Low alternator output, weak battery	Verify alternator output voltage. Check battery charge.
Warning light on dashboard (if applicable)	Charging system fault	Consult engine service manual for diagnostic codes. Inspect charging system components.

For complex electrical issues, it is highly recommended to consult a certified service technician.

Specifications

- **Part Number:** 592831
- **Replaces Part Numbers:** 696459, 691063, 393474, 393800
- **Type:** Alternator (Genuine OEM)
- **Manufacturer:** Briggs and Stratton
- **Product Dimensions:** Approximately 1 x 1 x 1 inches (Note: This appears to be a placeholder dimension from the source data, actual dimensions are better represented by images.)
- **Item Weight:** 14.1 ounces

Warranty and Support

For information regarding the warranty of your Briggs & Stratton 592831 Alternator, please refer to the official Briggs & Stratton warranty policy or contact Briggs & Stratton customer support directly. Specific warranty terms may vary based on purchase location and date.
For technical support or further assistance, please visit the official Briggs & Stratton website or contact their customer service department. Contact information can typically be found on the manufacturer's website or in the documentation provided with your engine.

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