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Briggs & Stratton 594108

Briggs & Stratton Engine Muffler Instruction Manual

Model: 594108
Brand: Briggs & Stratton

Introduction

This manual provides essential information for the proper installation, function, and maintenance of your Briggs & Stratton 594108 OEM Engine Muffler. This genuine original equipment manufacturer (OEM) part is designed to ensure optimal performance and noise reduction for compatible lawn and garden equipment engines. Please read this manual thoroughly before installation and use to ensure safety and prolong the life of your equipment.

Safety Information

WARNING:

- Always ensure the engine is cool before attempting any installation or maintenance. Hot engine components, especially the muffler, can cause severe burns.
- Disconnect the spark plug wire to prevent accidental starting of the engine during installation.
- Wear appropriate personal protective equipment (PPE), including heat-resistant gloves and eye protection, when working with engine components.
- Ensure all fasteners are tightened to the manufacturer's specifications to prevent leaks or detachment during operation.
- This product may expose you to chemicals including carbon monoxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Product Overview

The Briggs & Stratton 594108 muffler is a critical component of your engine's exhaust system, designed to reduce engine noise and direct exhaust gases safely away from the operator. It is constructed from durable materials to withstand high temperatures and corrosive exhaust byproducts.



Image: Front view of the Briggs & Stratton 594108 engine muffler, showing its compact design and exhaust outlet.



Image: The Briggs & Stratton 594108 engine muffler placed next to a ruler, illustrating its approximate length of about 6 inches.



Image: An alternative angled view of the Briggs & Stratton 594108 engine muffler, highlighting its overall shape.



Image: An angled view of the Briggs & Stratton 594108 engine muffler, showing the two mounting screws typically used for attachment.

Installation (Setup)

Follow these steps for safe and effective installation of the muffler:

1. **Preparation:** Ensure the engine is completely cool. Disconnect the spark plug wire to prevent accidental starting. Place the equipment on a stable, level surface.
2. **Remove Old Muffler:** Locate the existing muffler on your engine. Using an appropriate wrench, carefully loosen and remove the mounting bolts or nuts that secure the old muffler to the engine block. Be aware that old mufflers can be brittle or rusted.
3. **Clean Mounting Surface:** Once the old muffler is removed, thoroughly clean any carbon buildup or gasket residue from the engine's exhaust port mounting surface. A clean surface ensures a proper seal with the new muffler.
4. **Install New Muffler:** Position the new Briggs & Stratton 594108 muffler onto the exhaust port. Align the mounting holes. If a new gasket is provided or required, place it between the muffler and the engine block.
5. **Secure Muffler:** Insert the mounting bolts/screws and hand-tighten them. Then, using a wrench, tighten the fasteners evenly and securely. Do not overtighten, as this can strip threads or damage the muffler. Refer to your engine's service manual for specific torque specifications if available.
6. **Final Check:** Reconnect the spark plug wire. Start the engine briefly to check for any exhaust leaks around the muffler mounting area. If leaks are detected, re-tighten the fasteners or inspect the gasket.



Image: An important reminder to verify your engine's model number for compatibility before purchasing or installing replacement parts like this muffler.

Function

The primary function of the Briggs & Stratton 594108 muffler is to reduce the noise produced by the engine's exhaust gases. It achieves this by forcing the gases through a series of chambers and passages, which dissipates sound waves. Additionally, the muffler helps to direct hot exhaust gases away from the engine and operator, contributing to safer operation.

Maintenance

The Briggs & Stratton 594108 muffler is designed for durability and typically requires minimal maintenance. However, regular inspection is recommended:

- **Visual Inspection:** Periodically check the muffler for signs of rust, cracks, holes, or loose connections. Damage can lead to increased noise levels and potential exhaust leaks.
- **Carbon Buildup:** In some cases, carbon buildup can occur inside the muffler, potentially restricting exhaust flow. If you notice a significant drop in engine performance or unusual exhaust sounds, inspect for excessive carbon. Cleaning or replacement may be necessary.
- **Fastener Check:** Ensure the mounting bolts remain tight. Vibrations from engine operation can sometimes cause fasteners to loosen over time.

Troubleshooting

Problem	Possible Cause	Solution
Excessive engine noise after muffler installation.	Muffler not properly sealed; loose mounting bolts; damaged muffler or gasket.	Check and tighten all mounting bolts. Inspect the muffler and gasket for damage and replace if necessary. Ensure the gasket is correctly seated.

Problem	Possible Cause	Solution
Engine performance issues (e.g., loss of power).	Muffler exhaust port blockage (e.g., excessive carbon buildup).	Inspect the muffler for internal blockages. If severely blocked, replacement may be required.
Visible exhaust leaks around the muffler.	Loose mounting bolts; damaged or missing gasket; cracked muffler.	Tighten mounting bolts. Replace damaged or missing gasket. If the muffler itself is cracked, it must be replaced.

Specifications

- **Part Number:** 594108
- **Type:** Genuine Original Equipment Manufacturer (OEM) Muffler
- **Brand:** Briggs & Stratton
- **Application:** Lawn & Garden Equipment Engines
- **Material:** Durable metal construction
- **Approximate Dimensions:** Refer to product images for visual scale (typically compact, around 6 inches in length). *Note: Listed dimensions of 48x48x48 inches are likely for packaging and not the product itself.*

Compatibility

This Briggs & Stratton 594108 OEM muffler is compatible with a wide range of Briggs & Stratton engines. Please verify your specific engine model number against the list below or consult your engine's manual to ensure proper fitment. Using an incompatible muffler can lead to performance issues or damage.
Compatible Engine Models (Partial List):

103M02-0001-F1
103M02-0002-F1
103M02-0003-F1
103M02-0004-F1
103M02-0005-F1
103M02-0006-F1

Warranty and Support

As a genuine Original Equipment Manufacturer (OEM) part, this Briggs & Stratton muffler is typically covered by the standard Briggs & Stratton warranty for replacement parts. For specific warranty details, please refer to the warranty information provided with your original engine or contact Briggs & Stratton customer support directly. For technical assistance, parts inquiries, or warranty claims, please visit the official Briggs & Stratton website or contact their customer service department. Always have your engine model and serial numbers ready when seeking support.
Briggs & Stratton Official Website: www.briggsandstratton.com

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