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Briggs & Stratton 592358

Briggs & Stratton 592358 Cylinder Head Gasket Instruction Manual

Brand: Briggs & Stratton | **Model:** 592358

Introduction

This document provides essential information and instructions for the proper installation and maintenance of the Briggs & Stratton 592358 Cylinder Head Gasket. This is an original equipment manufacturer (OEM) part designed for use with Briggs & Stratton Lawn and Garden Equipment Engines. Adhering to these instructions will help ensure correct function and longevity of the part.

A cylinder head gasket is a critical component that forms a seal between the engine block and the cylinder head. Its primary function is to prevent combustion gases, engine oil, and coolant from leaking into adjacent cylinders or to the outside of the engine. Replacement is typically required when performing other engine repairs or when the existing gasket has failed.

Compatibility

The Briggs & Stratton 592358 Cylinder Head Gasket is compatible with various Briggs & Stratton engine models. Please verify your engine's specific model number against the list below to ensure proper fitment. This gasket fits the following models:

- 093J02-0001-F1, 093J02-0002-F1, 093J02-0003-F1
- 093J02-0004-F1, 093J02-0005-H1, 093J02-0006-F1
- 093J02-0007-H1, 093J02-0008-H1, 093J02-0009-H1
- 093J02-0010-F1, 093J02-0011-F1, 093J02-0012-F1
- 093J02-0013-H1, 093J02-0014-H1c, 093J02-0015H1
- 093J02-0016-H1, 093J02-0017H1, 093J02-0018-H1
- 093J02-0019-H1, 093J02-0020-H1m, 093J02-0021-F1
- 093J02-0022-F1, 093J02-0023-F1, 093J02-0024-H1
- 093J02-0025-H1, 093J02-0026-H1, 093J02-0027-H1
- 093J02-0028-H1, 093J02-0029-H1, 093J02-0030-H1

Tools Required for Installation

The following tools are typically required for replacing a cylinder head gasket. Always consult your specific engine's service manual for a complete list and detailed procedures.

- 1/4” socket or nut driver
- 3/8” socket or nut driver
- 5/8” socket or spark plug wrench
- 1/4” hex bit
- Large flat-head screwdriver
- T20 Torx bit screwdriver
- Torque wrench
- Feeler gauge

Installation Instructions

Safety First: Before beginning any repair, ensure the engine is cool, the spark plug wire is disconnected, and the fuel supply is shut off to prevent accidental starting or injury.
The cylinder head gasket is sold individually. Replacing this component requires mechanical aptitude and adherence to specific torque specifications. If you are unsure about any step, it is recommended to consult a qualified technician or your engine's official service manual.

1. **Preparation:** Disconnect the spark plug wire. Drain any fluids (oil, coolant if applicable) that may be affected by the cylinder head removal. Remove any components obstructing access to the cylinder head, such as the air filter assembly, carburetor, and exhaust manifold.
2. **Cylinder Head Removal:** Carefully loosen and remove the bolts securing the cylinder head to the engine block. Follow the manufacturer's recommended loosening sequence to prevent warping. Once all bolts are removed, gently lift the cylinder head off the engine block.
3. **Gasket Removal and Surface Cleaning:** Remove the old cylinder head gasket. Thoroughly clean both the cylinder head and engine block mating surfaces. Ensure all old gasket material, carbon deposits, and debris are removed. The surfaces must be perfectly clean and flat to ensure a proper seal with the new gasket. Inspect surfaces for any damage or warpage.
4. **New Gasket Placement:** Position the new Briggs & Stratton 592358 Cylinder Head Gasket onto the engine block, aligning it with the bolt holes and passages. Ensure it is oriented correctly according to your engine's design.
5. **Cylinder Head Reinstallation:** Carefully place the cylinder head back onto the engine block, ensuring it aligns with the new gasket and dowel pins (if present).
6. **Torquing Bolts:** Install the cylinder head bolts. Using a torque wrench, tighten the bolts in the manufacturer's specified sequence and to the specified torque values. This is crucial for preventing leaks and ensuring proper engine operation. Refer to your engine's service manual for the exact sequence and torque specifications.
7. **Reassembly and Testing:** Reinstall all removed components (exhaust, carburetor, air filter, etc.). Reconnect the spark plug wire. Refill any drained fluids. Start the engine and check for any leaks or unusual operation. Allow the engine to reach operating temperature and re-check for leaks.



Image: The Briggs & Stratton 592358 Cylinder Head Gasket. This image displays the metallic gasket with its distinct shape, including a large central opening for the cylinder bore and multiple smaller openings for bolts and fluid passages, designed to create a tight seal between the engine block and cylinder head.

Maintenance

Once installed, the cylinder head gasket typically requires no routine maintenance. Its longevity is primarily dependent on proper installation and the overall health of the engine. Regular engine maintenance, such as ensuring proper cooling system function (if applicable) and correct oil levels, contributes to the gasket's lifespan.

Troubleshooting

If issues arise after replacing the cylinder head gasket, consider the following:

- **Leaks:** Check all mating surfaces for signs of oil, coolant, or combustion gas leaks. This could indicate improper surface preparation, incorrect torque, or a faulty gasket.
- **Engine Performance Issues:** Poor engine performance, misfires, or overheating after gasket replacement may suggest an incomplete seal, incorrect valve timing (if disturbed during repair), or other related issues.
- **Re-torque:** Some manufacturers recommend re-torquing cylinder head bolts after a certain number of operating hours or cycles. Consult your engine's service manual for specific recommendations.

Always refer to your engine's specific service manual for detailed troubleshooting steps and diagnostic procedures.

Specifications

Model Number	592358
Brand	Briggs & Stratton
Part Type	Cylinder Head Gasket
Material	Composite (often with metal reinforcement)
Weight	0.05 lbs (approximately 0.32 ounces)
Product Dimensions	0.39 x 0.39 x 0.39 inches (packaging/shipping dimensions)
UPC	047282000823

Warranty and Support

For information regarding warranty coverage or technical support for your Briggs & Stratton 592358 Cylinder Head Gasket, please contact Briggs & Stratton directly through their official website or customer service channels. Always retain your proof of purchase for warranty claims.

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