

[manuals.plus](#) /› [Evergreen](#) /› [Evergreen HS5018 Cylinder Head Gasket Set Instruction Manual](#)

Evergreen HS5018

Evergreen HS5018 Cylinder Head Gasket Set Instruction Manual

INTRODUCTION

This manual provides essential information for the proper installation, function, and maintenance of the Evergreen HS5018 Cylinder Head Gasket Set. This product is designed for specific automotive applications to ensure reliable engine sealing. Adherence to these instructions is crucial for optimal performance and longevity of the component.

WHAT'S INCLUDED

The Evergreen HS5018 Cylinder Head Gasket Set typically includes all necessary gaskets and seals required for a complete cylinder head replacement or engine rebuild. Specific components may vary by application, but generally include:

- Cylinder Head Gaskets (MLS or Graphite, depending on application)
- Intake Manifold Gaskets
- Exhaust Manifold Gaskets
- Valve Cover Gaskets
- Valve Stem Seals (Viton)
- Other auxiliary gaskets and O-rings as required for the specific engine application.



Image 1: Example of a typical Evergreen HS5018 Cylinder Head Gasket Set. This image displays various gaskets and seals included in the kit, such as head gaskets, manifold gaskets, and valve stem seals, essential for engine assembly.

SETUP AND INSTALLATION

Installation of a cylinder head gasket set is a complex procedure that requires specialized tools, technical knowledge, and adherence to manufacturer specifications. It is highly recommended that installation be performed by a certified automotive technician. If you are performing a "do-it-yourself" installation, ensure you have access to the vehicle's specific service manual for torque specifications and procedures.

General Installation Guidelines:

- Preparation:** Ensure the engine is cool and disconnected from the battery. Drain coolant and oil.
- Disassembly:** Carefully remove all components obstructing access to the cylinder heads, including intake/exhaust manifolds, valve covers, timing components, and cylinder head bolts.
- Surface Cleaning:** Thoroughly clean all mating surfaces on the engine block and cylinder heads. Remove all old gasket material, carbon deposits, and debris. Ensure surfaces are perfectly flat and free of scratches or imperfections.
- Inspection:** Inspect cylinder heads for warpage, cracks, or damage. Inspect cylinder block deck for flatness.
- Gasket Placement:** Install new gaskets according to the vehicle's service manual. Ensure correct

orientation and alignment. Evergreen gaskets are designed for precise O.E. fitment.

6. **Cylinder Head Installation:** Carefully place cylinder heads onto the block. Install new cylinder head bolts (if required by manufacturer) and tighten them in the specified sequence and torque stages as per the vehicle's service manual.
7. **Reassembly:** Reinstall all removed components, ensuring all new gaskets and seals from the set are used where appropriate.
8. **Fluid Refill:** Refill engine with appropriate coolant and oil.
9. **Initial Start-up:** Follow vehicle manufacturer's guidelines for initial engine start-up after head gasket replacement, including bleeding the cooling system.

Important: Always refer to your vehicle's specific service manual for detailed, step-by-step instructions, torque specifications, and any special tools required for your engine model. Failure to follow proper procedures can lead to engine damage.

OPERATING AND FUNCTION

The Evergreen HS5018 Cylinder Head Gasket Set is critical for maintaining the integrity of your engine's combustion chambers and fluid passages. Once properly installed, these gaskets perform several vital functions:

- **Sealing Combustion:** The head gasket creates a tight seal between the cylinder head and engine block, preventing combustion gases from escaping and maintaining compression.
- **Preventing Fluid Leaks:** It seals coolant and oil passages, preventing intermixing of fluids and external leaks.
- **Heat Transfer:** Facilitates efficient heat transfer from the cylinder head to the engine block and cooling system.
- **Durability:** Evergreen gaskets are manufactured with high-quality materials like non-asbestos compounds, silicone rubber, Viton valve stem seals, and MLS (Multi-Layer Steel) head gaskets to ensure superior sealing and long-term durability under varying engine conditions.

Proper function relies on correct installation and the use of the appropriate gasket type for your engine. Evergreen's application-specific design ensures correct fitment and reliable sealing performance.

MAINTENANCE

While the head gasket itself is not a routine maintenance item, its longevity and performance are directly affected by overall engine maintenance. To ensure the continued integrity of your Evergreen HS5018 Cylinder Head Gasket Set and your engine:

- **Cooling System Health:** Regularly check and maintain your engine's cooling system. Ensure proper coolant levels, use the correct type of coolant, and inspect hoses, radiator, and thermostat for proper function. Overheating is a primary cause of head gasket failure.
- **Oil Changes:** Adhere to the manufacturer's recommended oil change intervals and use the specified engine oil. Clean oil helps prevent sludge buildup that can affect gasket materials.
- **Fluid Checks:** Periodically check for any signs of external oil or coolant leaks around the cylinder head area.
- **Avoid Overheating:** Address any engine overheating issues immediately. Continued operation with an overheating engine can severely damage head gaskets.

TROUBLESHOOTING

If you experience symptoms that suggest a head gasket issue after installation, consider the following common problems and potential causes. Professional diagnosis is always recommended.

Symptom	Possible Cause
White smoke from exhaust	Coolant burning in combustion chamber (internal leak)
Blue smoke from exhaust	Oil burning in combustion chamber (valve stem seal or other oil leak)
Engine overheating	Coolant loss, combustion gases entering cooling system, or improper cooling system bleed
Loss of engine power/misfires	Loss of compression due to gasket failure
Coolant in engine oil (milky oil)	Internal coolant leak into oil passages
Oil in coolant	Internal oil leak into coolant passages
External oil or coolant leaks	Improper gasket seating, damaged gasket, or incorrect torque

If any of these symptoms occur, it is crucial to have the engine inspected by a qualified mechanic to prevent further damage.

SPECIFICATIONS

The Evergreen HS5018 Cylinder Head Gasket Set is engineered to meet or exceed OEM specifications for fitment and performance.

- **Model:** HS5018
- **Manufacturer:** Evergreen
- **Materials:** Non-asbestos compounds, silicone rubber, Viton valve stem seals, graphite or Multi-Layer Steel (MLS) head gaskets.
- **Design:** Application-specific for precise O.E. fitment.
- **Quality Standards:** Manufactured to meet or exceed QS9000, ISO9001, and ISO9002 quality management standards.
- **Item Weight:** Approximately 3.34 pounds
- **Product Dimensions:** Approximately 23 x 12 x 2 inches

Note: Specific material composition and dimensions may vary slightly based on the exact engine application the HS5018 is designed for.

WARRANTY INFORMATION

Specific warranty details for the Evergreen HS5018 Cylinder Head Gasket Set are typically provided at the point of purchase or can be obtained directly from the manufacturer or authorized distributor. Please retain your proof of purchase for any warranty claims.

CUSTOMER SUPPORT

For technical assistance, installation questions, or warranty inquiries regarding your Evergreen HS5018 Cylinder Head Gasket Set, please contact Evergreen customer support through their official website or the retailer from whom the product was purchased. Always provide your product model number (HS5018) and proof of purchase when seeking support.

© 2024 Evergreen. All rights reserved. This manual is for informational purposes only.