



SERVICE BULLETIN

APPLICABILITY: All Models
SUBJECT: Cylinder Head Gasket (residual carbon deposits and rubber coating removal)

NUMBER: 02-100-06R
DATE: 10/31/06

INTRODUCTION

The purpose of this bulletin is to provide Subaru's recommended procedure of removing the residual carbon deposits and the rubber coating after the cylinder head/gaskets are removed. If not removed properly, the new cylinder head gaskets may not seat properly when installed. There are two approved methods, using a scraper as illustrated or using 3M™ Roloc™ Bristle Discs, part # 051131-07528, Size 2 inch, Grade 120, Color White. Subaru does not recommend any other cleaning method.

Note: Using any other method which results in damage to the surface of the cylinder heads or block is not a matter for warranty.

REPAIR PROCEDURE/INFORMATION:

For demonstration purposes the photos are of a 2.5L SOHC engine, however the procedure applies to all engine types.



Removed Cylinder Head



Cylinder Block after Head Removal

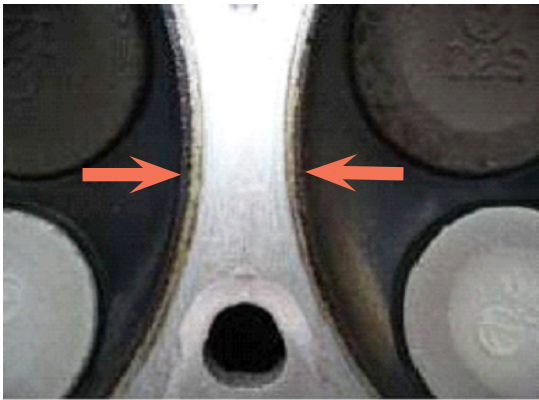
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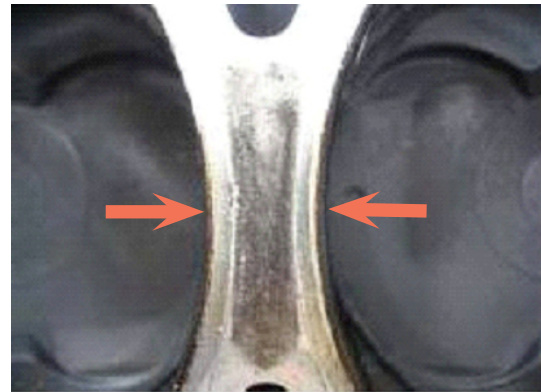
CAUTION: VEHICLE SERVICING PERFORMED BY UNTRAINED PERSONS COULD RESULT IN SERIOUS INJURY TO THOSE PERSONS OR TO OTHERS.

Subaru Service Bulletins are intended for use by professional technicians ONLY. They are written to inform those technicians of conditions that may occur in some vehicles, or to provide information that could assist in the proper servicing of the vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do the job correctly and safely. If a condition is described, DO NOT assume that this Service Bulletin applies to your vehicle, or that your vehicle will have that condition.

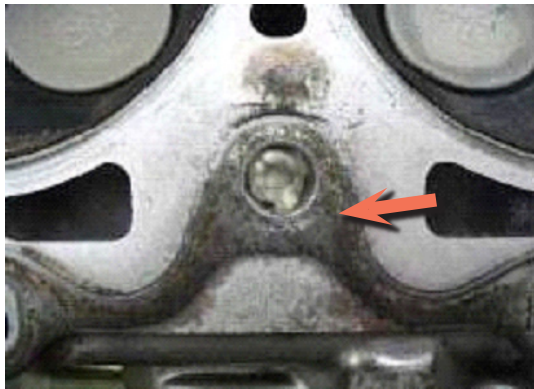




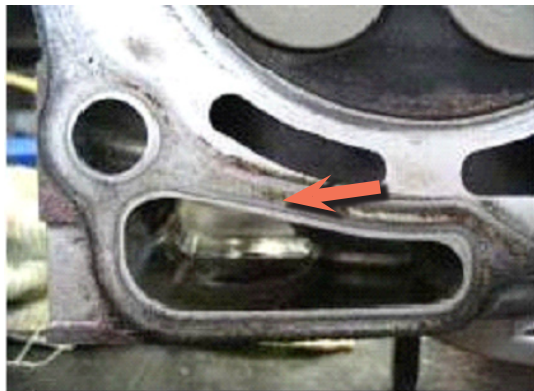
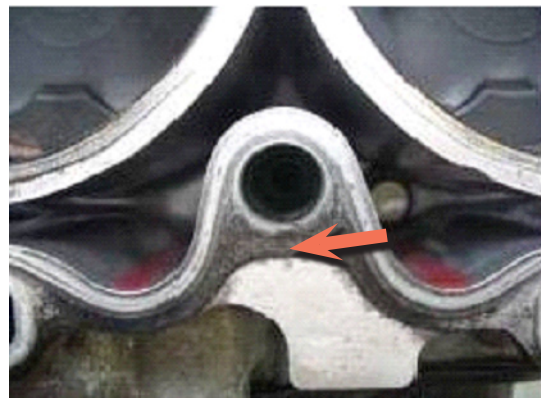
Accumulated carbon deposit on bore sealing portion



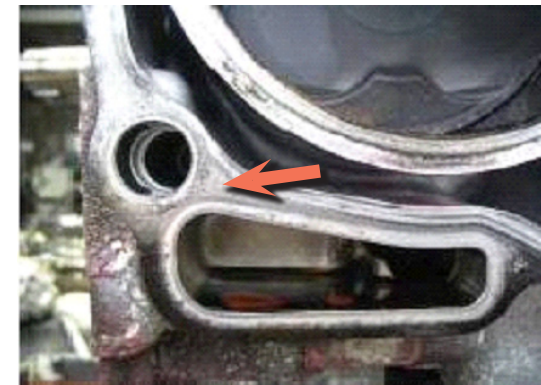
Carbon deposit on cylinder block bore sealing portion



Rubber coating residue on coolant sealing portion



Rubber coating residue on oil sealing portion

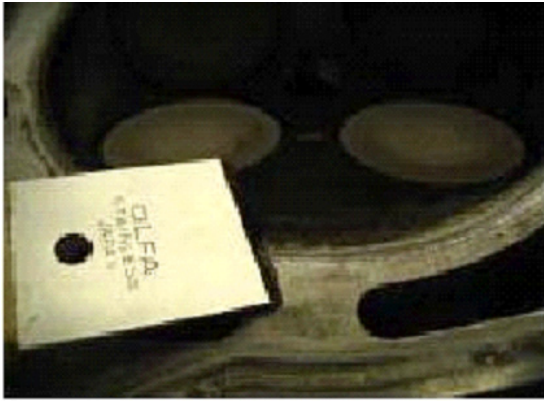


Using a gasket scraper, carefully clean any carbon deposits and rubber coating found on the surface of cylinder block and cylinder head.

CAUTION: Keep the scraper as flush as possible to the surface to avoid damage to the mating surface of cylinder block and cylinder head.

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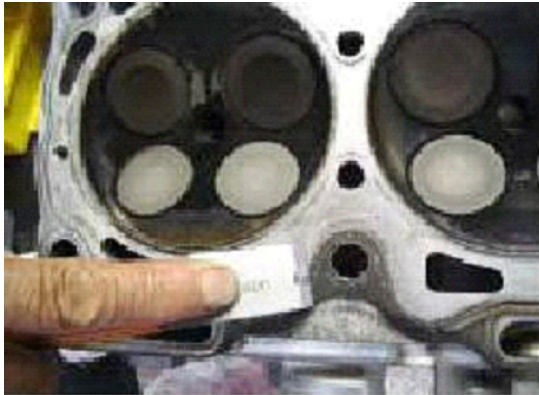
Cylinder Head



Cylinder Block



Carbon deposits being removed



Rubber coating being removed



Rubber coating being removed

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Finished cleaning (head)

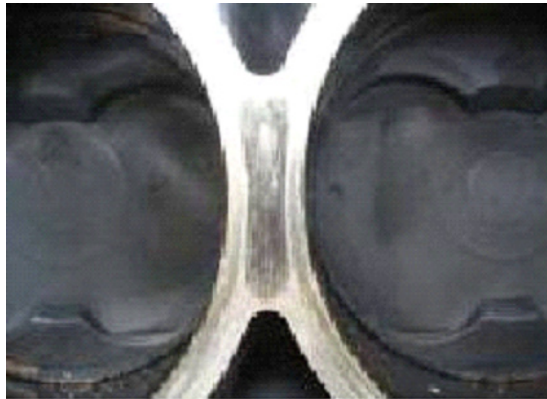


Finished cleaning (block)

NOTE: After removing carbon deposit and rubber coating, clean the surfaces using a rag and cleaning solvent.



After cleaning bore sealing portion (head)



After cleaning bore sealing portion (block)



After cleaning coolant sealing portion (head)



After cleaning coolant sealing portion (block)

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After cleaning oil sealing portion (head)



After cleaning oil sealing portion (block)