

- ATTENTION:**
- GENERAL MANAGER
  - PARTS MANAGER
  - CLAIMS PERSONNEL
  - SERVICE MANAGER

IMPORTANT - All Service Personnel Should Read and Initial in the boxes provided, right.


© 2017 Subaru of America, Inc. All rights reserved.



QUALITY DRIVEN® SERVICE

## SERVICE INFORMATION BULLETIN

**APPLICABILITY:** 2012-2016MY Impreza 2.0L Models  
2013-2017MY Crosstrek

**NUMBER:** 02-169-17

**DATE:** 07/18/17

**SUBJECT:** Cylinder Head Casting Design Change

### INTRODUCTION:

This Service Information bulletin outlines an enhancement made to the 2.0L cylinder head casting part numbers provided below. Additional material has been added in the valve guide boss area above the intake port to provide additional support for the guide and eliminate cracking. In rare cases, (depending on the severity of the crack), some engine oil consumption may result from engine vacuum drawing oil through the crack and into the intake port.

### PRODUCTION CHANGE INFORMATION:

The new cylinder heads were incorporated into production starting with the following VINs:

Vehicle / Model	Starting VIN
4-Door	FG023633
5-Door / Crosstrek	F8320684

### PART INFORMATION:

The following cylinder head assembly part numbers are provided to use as a reference only. Always confirm with your Parts Department the most up-to-date part numbers are ordered for the VIN being repaired. The illustration below provides additional detail of the change.

Description	Part Number	Notes
HEAD&VLV SET- CYL	11018AA600	R/H
	11018AA630	R/H
	11019AA600	L/H
	11019AA630	L/H
	11039AC263	R/H
	11063AB643	L/H

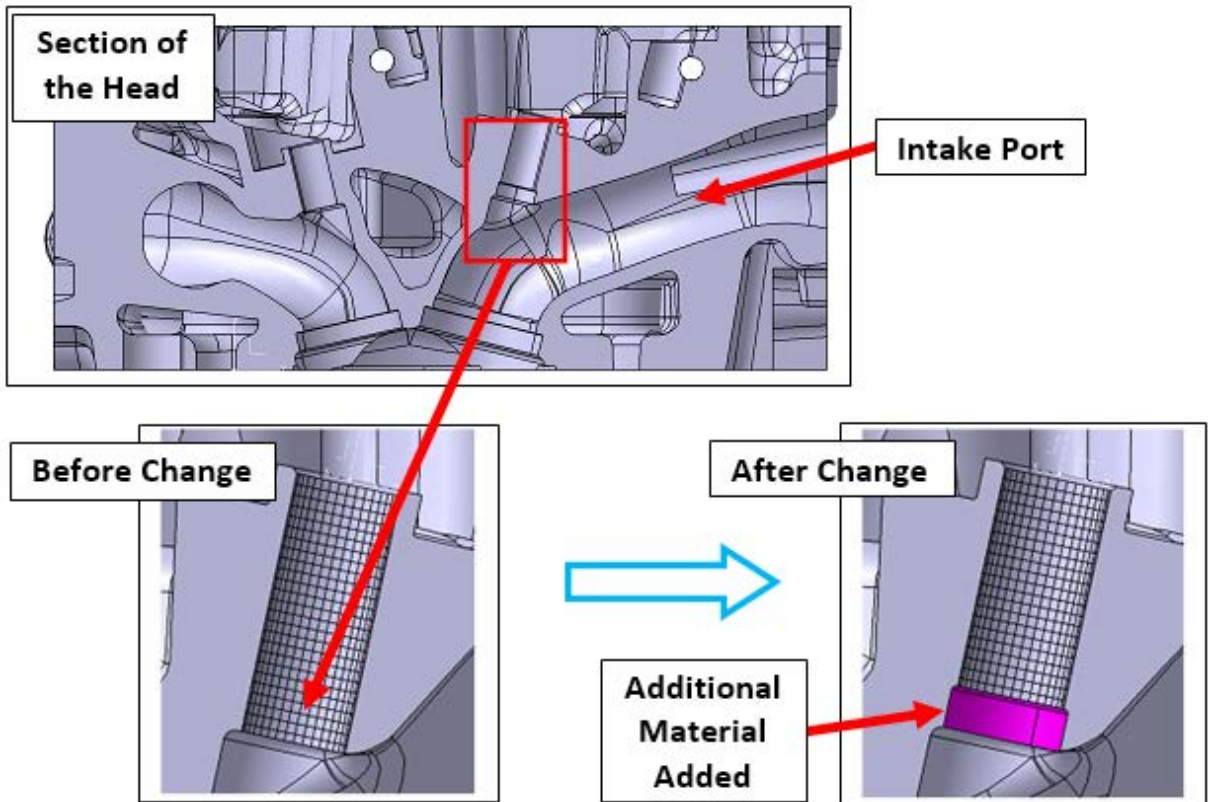
*Continued...*

**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.

**SUBARU OF AMERICA, INC. IS ISO 14001 COMPLIANT**

ISO 14001 is the international standard for excellence in Environmental Management Systems. Please recycle or dispose of automotive products in a manner that is friendly to our environment and in accordance with all local, state and federal laws and regulations.



**SERVICE PROCEDURE / INFORMATION:**

When receiving a customer concern of smoke from the exhaust, one of the checks should be to look at the condition of the spark plugs. If inspection shows only one (or two on opposite banks) with evidence of burning oil while the other plugs appear normal as shown in the left photo below, there may be a crack in the valve guide boss area. In some cases, the crack may extend up into the valve spring seat area as shown in the photo on the right. Finding comparatively heavy oil deposits on the back of one cylinder's intake valves while the others appear normal would be another indicator. If a crack is not readily visible, use the dye / penetrant / developer method to help locate and identify it. See the April, 2011 edition of TIPS for more information on using this method of leak detection.



*Continued...*

**IMPORTANT REMINDERS:**

- SOA strongly discourages the printing and/or local storage of service information as previously released information and electronic publications may be updated at any time.
- Always check for any open recalls or campaigns anytime a vehicle is in for servicing.
- Always refer to STIS for the latest service information before performing any repairs.