



Service Bulletin

File in Section: -

Bulletin No.: 17-NA-080

Date: February, 2018

TECHNICAL

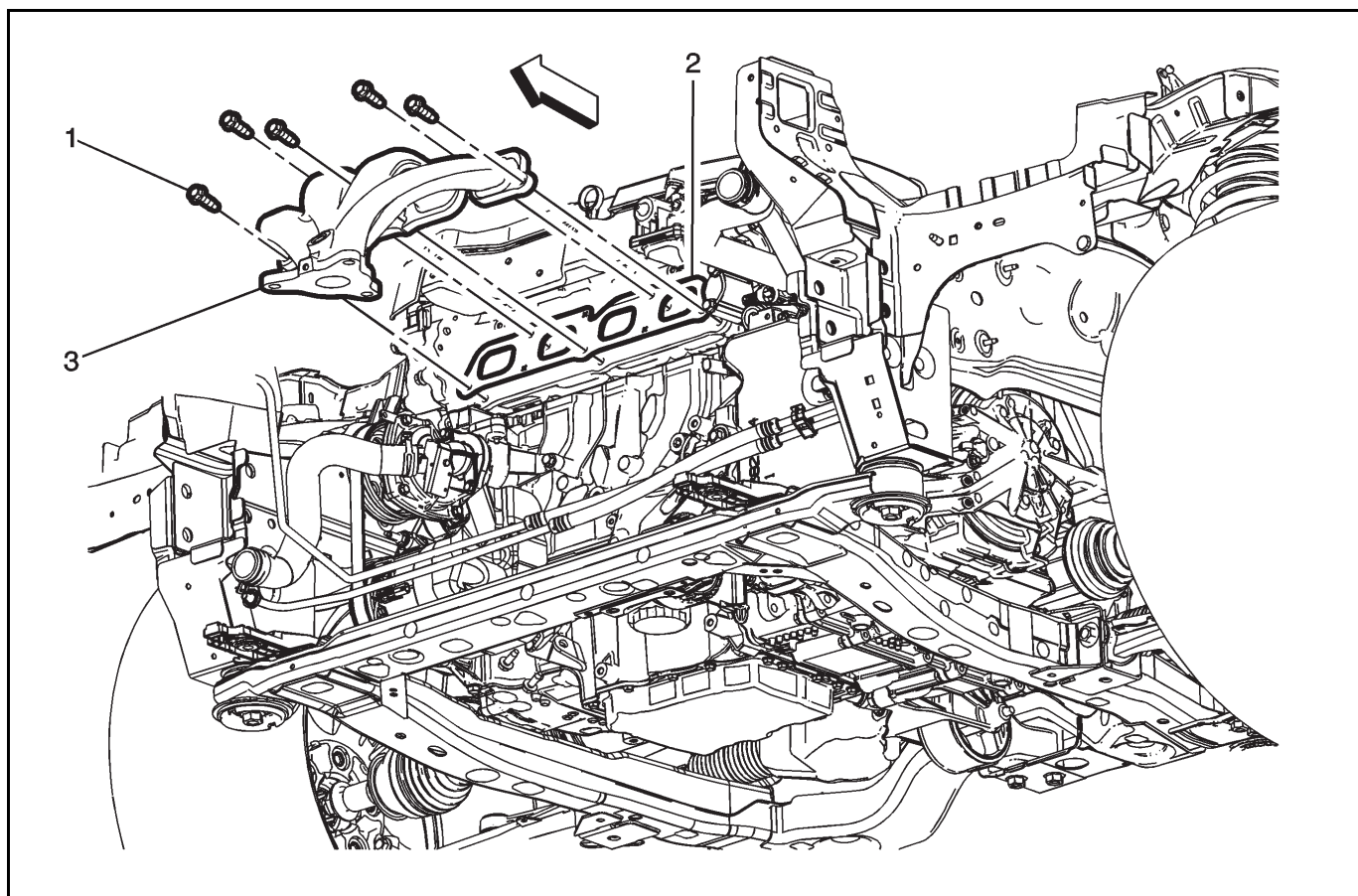
Subject: Malfunction Indicator Lamp (MIL) Illuminated for LCV and LKW Engines - DTC P0411 Set

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	ATS	2013	2014			2.5L (LCV, LKW)	
Chevrolet	Impala (VIN 1)	2014	2014				
	Malibu	2013	2014				

Involved Region or Country	North America and N.A. Export Regions
Additional Options (RPOs)	Secondary Air Injection (SAI) Only
Condition	Some customers may comment that the Malfunction Indicator Lamp (MIL) is illuminated. The technician may find DTC P0411 set.
Cause	This condition may be caused by a by-product of using inferior fuel, creating restriction in the SAI ports in the cylinder head causing higher than expected SAI operation pressure.
Correction	If the SAI ports are diagnosed to be the cause of DTC P0411, the air injection ports and passages in the cylinder head will need to be cleaned.

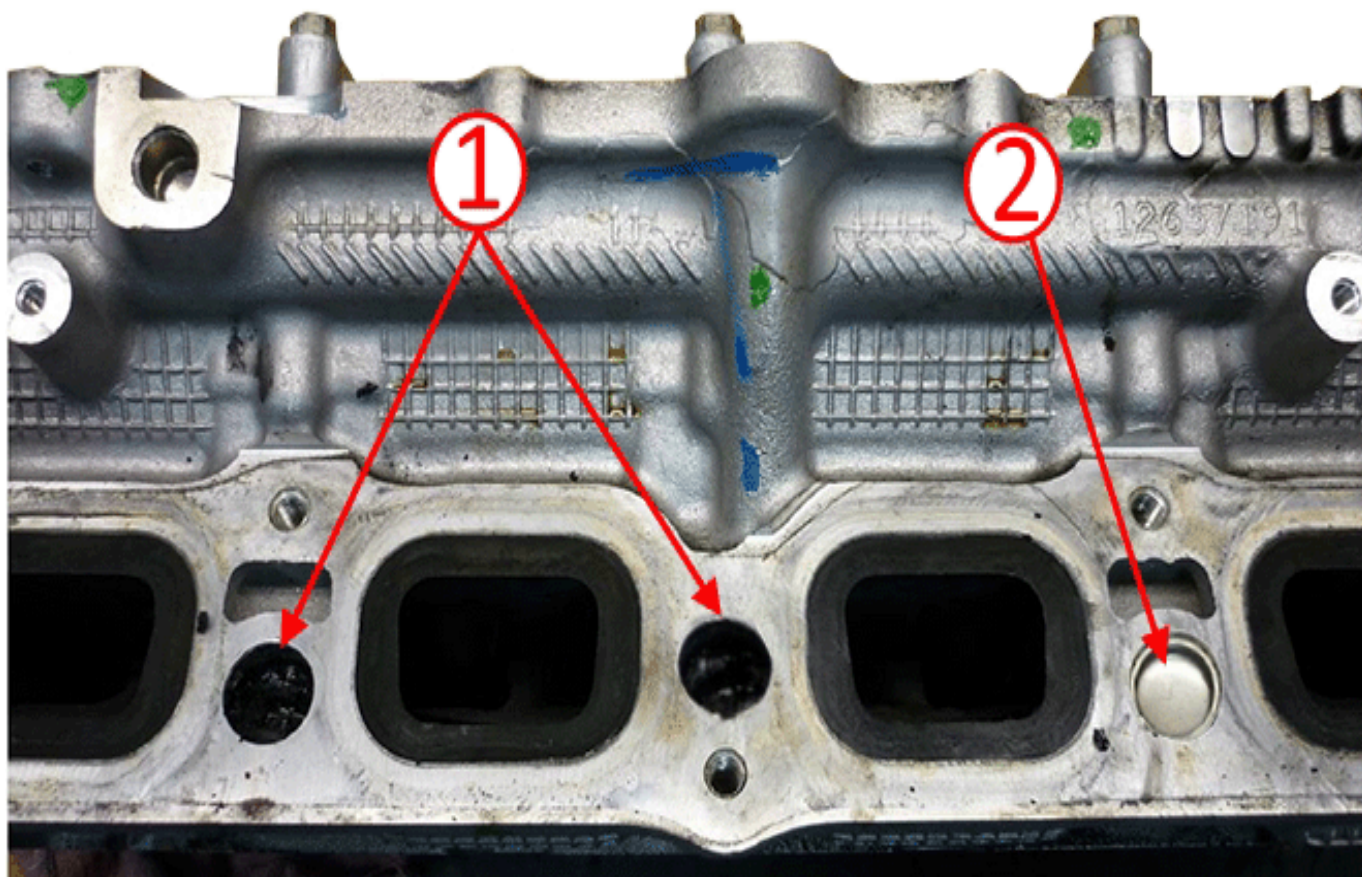
Service Procedure

Notice: GM UPPER ENGINE AND FUEL INJECTOR CLEANER is the only injector cleaning agent approved for use with General Motors fuel system components. Other injector cleaners may cause damage to plastics, plated metals or bearings. General Motors has completed extensive laboratory testing of GM Upper Engine and Fuel Injector Cleaner, and can assure its compatibility with General Motors fuel system components, as long as the cleaning procedure is followed correctly.



1. Remove the exhaust manifold (3) and discard the exhaust manifold fasteners (1) and gasket (2). Refer to *Exhaust Manifold Replacement* in SI.

2908499

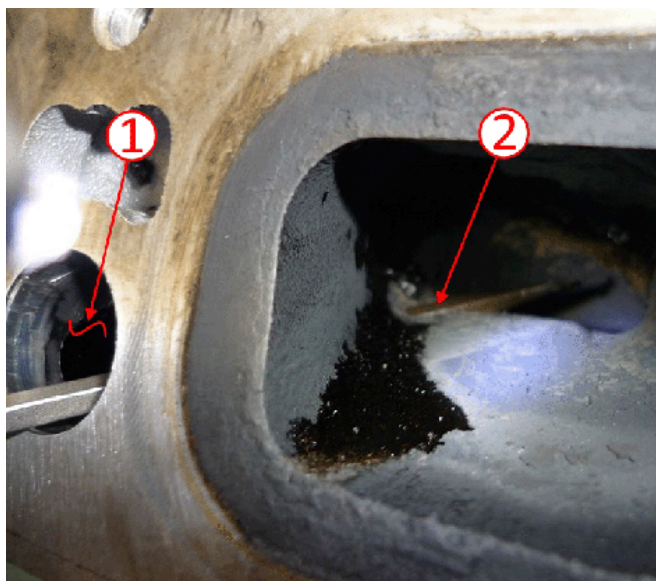


Important: Do Not allow any debris to enter the combustion chamber.

2. Roll the engine over so that the exhaust valves are closed.
3. Remove the SAI galley plugs (2) from the injection ports (1).

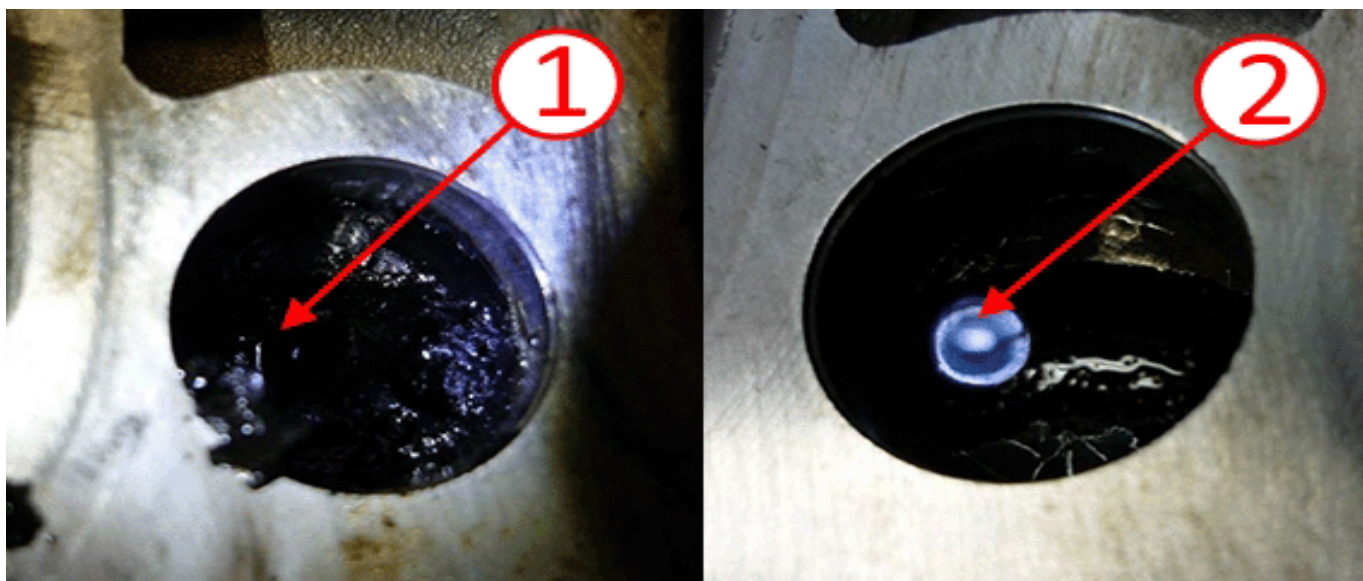
4. Using a suitable tool (2) and the Upper Engine and Fuel Injection Cleaner, clean the deposits from the SAI passages and ports (1) taking care not to enlarge or damage the passages.

4729089



4729604

Note: A light and a small pick or screwdriver can be used to validate if the air injection ports are cleared of debris.



4729096

5. Validate all the ports (1) and passages are clean of debris (2).
6. Apply threadlocker, GM P/N 12345382 (In Canada, use 10953489) to the edge of the SAI galley plugs.
7. Install new SAI galley plugs into cylinder head.
8. Install the exhaust manifold.

Parts Information

Causal Part	Description	Part Number	Qty
	CLEANER, F/ INJR (& UPPER ENGINE)	19355198 (in Canada use 19355199)	1
	Plug, Passage	09427695	3
	BOLT, EXH MANIF	Refer to EPC	
	GASKET, EXH MANIF		

Warranty Information

For vehicles repaired under the Emission coverage, use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
4081538*	Clean Debris From Secondary Air Injection Ports	2.0 hrs
*This is a unique Labor Operation for Bulletin use only.		

Version	2
Modified	February 23, 2018 – Added information to replace the exhaust manifold bolts.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



WE SUPPORT VOLUNTARY
TECHNICIAN
CERTIFICATION