



Service Bulletin

TECHNICAL

Subject: Engine Misfire/Tick Noise, Malfunction Indicator Lamp (MIL) On, DTC P0300 Set

Models: 2015-2016 Cadillac Escalade
2014 Chevrolet Silverado 1500
2014-2016 Chevrolet Corvette
2015-2016 Chevrolet Silverado, Suburban, Tahoe
2014 GMC Sierra 1500
2015-2016 GMC Sierra, Yukon, Yukon XL
Equipped with 5.3L Engine (RPO L83) or 6.2L Engine (RPO L86, LT1)

Attention: This Bulletin also applies to any of the above models that may be Export vehicles.

This Bulletin has been revised to add the 2016 Model Year and update the Warranty Information. Please discard Corporate Bulletin Number 15-06-01-002A.

Condition

Some customers may comment on a malfunction indicator lamp (MIL) on and/or an engine misfire/tick noise. Technicians may find DTC P0300 set or in history.

Cause

This may be the result of an active fuel management (AFM) lifter that is mechanically collapsed and/or stuck all of the time. This may be the result of internal locking pin damage in the lifter. Due to oil aeration.

Correction

If SI diagnosis does not isolate the cause of this concern, technicians should inspect for valve operation. If the valve(s) are not moving, replace the valve lifter oil manifold and affected bank of AFM lifters. Refer to Valve Lifter Oil Manifold Replacement and Valve Lifter Replacement in SI. If the lifter has spun the bore, the guides should be replaced also.

Parts Information

Part Number	Description
12660737	MANIFOLD ASM-VLV LFTR OIL (SERV KIT)
12623104	GASKET-VLV LFTR OIL UPR MANIF
12645725	LIFTER ASM-VLV (AFM) (4 per Bank)

12659260	GASKET-CYL HD (6.2L)
12622325	GASKET-CYL HD (5.3L)
11546959	RIGHT SIDE CYLINDER HEAD BOLTS (10)
11611976	LEFT SIDE CYLINDER HEAD BOLT (1)
11546959	LEFT SIDE CYLINDER HEAD BOLTS (9)
12657093	GASKET-EXH MANIF
12626354	GASKET-INT MANIF (8)
12619787	GASKET-VLV RKR ARM CVR
12623308	GASKET-F/PMP BRKT
12618336	PIPE ASM-FUEL FEED INTER
12618337	PIPE ASM-FUEL FEED INTER
12618338	PIPE ASM-FUEL FEED
12668553	SEAL KIT-F/INJR (O RING) (2)

Warranty Information

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

Labor Operation	Description	Labor Time
4080978*	Valve Lifter Oil Manifold and Valve Lifter Left Side Replacement	9.4 hrs (2014-2016 Silverado, Sierra)
		9.2 hrs (2015-2016 Escalade, Suburban, Tahoe, Yukon)
		11.7 hrs (2014-2016 Corvette)
4080988*	Valve Lifter Oil Manifold and Valve Lifter Right Side Replacement	10.9 hrs (2014-2016 Silverado, Sierra)
		9.3 hrs (2015-2016 Escalade, Suburban, Tahoe, Yukon)
		11.4 hrs (2014-2016 Corvette)

*This is a unique Labor Operation for Bulletin use only. It will not be published in the Labor Time Guide.

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.



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