



Service Bulletin

File in Section: 06 - Engine
Bulletin No.: 15-06-01-002D
Date: July, 2016

TECHNICAL

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

Models: 2015-2016 Cadillac Escalade
2016 Cadillac CTS-V
2014 Chevrolet Silverado 1500
2014-2016 Chevrolet Corvette
2015-2016 Chevrolet Silverado, Suburban, Tahoe
2016 Chevrolet Camaro
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, LT4)

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

This Bulletin has been revised to add a Note for Camshaft Inspection and update the Warranty information. Please discard Corporate Bulletin Number 15-06-01-002C.

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

Note: Inspect the camshaft for damage while the lifters are removed from the engine. If damage is found, replace the camshaft per SI.

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) (L83, L86, or LT1) |
| 12660736 | MANIFOLD ASM-VLV LFTR OIL (SERV KIT) (LT4) |
| 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) |
| | | 14.8 hrs (2016 CTS-V) |
| | | 9.2 hrs (2015-2016 Escalade, Suburban, Tahoe, Yukon) |
| | | 11.7 hrs (2014-2016 Corvette) |
| | | 7.0 hrs (2016 Camaro) |

| Labor Operation | Description | Labor Time |
|--|---|--|
| 4080988* | Valve Lifter Oil Manifold and Valve Lifter Right Side Replacement | 10.9 hrs (2014-2016 Silverado, Sierra) |
| | | 15.5 hrs (CTS-V) |
| | | 9.3 hrs (2015-2016 Escalade, Suburban, Tahoe, Yukon) |
| | | 11.4 hrs (2014-2016 Corvette) |
| | | 9.0 hrs (2016 Camaro) |
| *This is a unique Labor Operation for Bulletin use only. It will not be published in the Labor Time Guide. | | |

