



# Service Bulletin

## TECHNICAL

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

**Models:** 2015 Cadillac Escalade  
2014 Chevrolet Silverado 1500  
2014-2015 Chevrolet Corvette  
2015 Chevrolet Silverado, Suburban, Tahoe  
2014 GMC Sierra 1500  
2015 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.

### 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 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) (PACKAGE OF 4)  |
| 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 (2014-2015 Silverado, Sierra)           |
|                 |   | 9.2 hrs (2015 Escalade, Suburban, Tahoe, Yukon) |
|                 |   | 11.7 hrs (2014-2015 Corvette)                   |
| 4080988*        | Valve Lifter Oil Manifold and Valve Lifter Right Side Replacement | 10.9 hrs (2014-2015 Silverado, Sierra)          |
|                 |   | 9.3 hrs (2015 Escalade, Suburban, Tahoe, Yukon) |
|                 |   | 11.4 hrs (2014-2015 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.



WE SUPPORT VOLUNTARY TECHNICIAN CERTIFICATION