



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** Engine Rough Run with Check Engine Light (CEL) On/Low Compression on Cylinder with Misfire, DTC P0300 Set

**Models:** 2013 Cadillac ATS  
2013 Chevrolet Malibu  
Equipped with 2.0L Turbo Engine (RPO LTG)

*This PI has been revised to include a Note for the special tool under Recommendation/Instructions. Please discard PI1178.*

### Condition/Concern

Some customers may comment on an engine rough run with the check engine light (CEL) on/low compression on cylinder with misfire. Upon inspection, a technician may find DTC P0300 set.

This condition may be caused by a piston in that cylinder cracked between the piston compression rings.

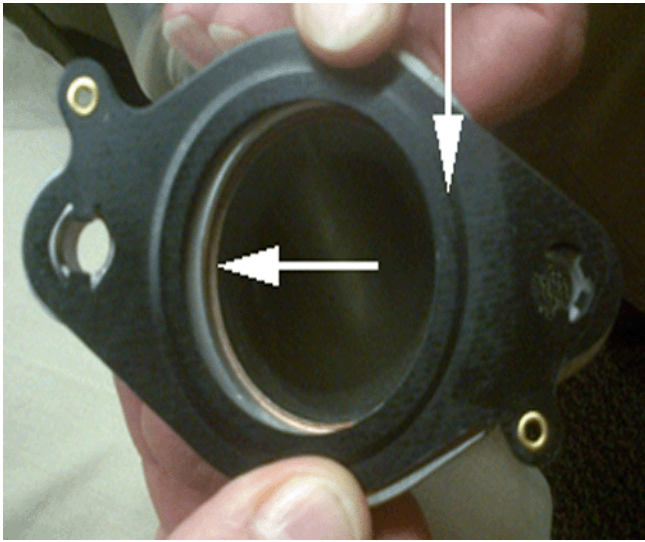
### Recommendation/Instructions

Perform a leak down test on the affected cylinder making sure the misfire is caused by piston leakage and leakage into the crank case. Visually inspect the spark plug and replace if damaged. The coil connections for the affected cylinder should also be visually checked for damaged terminals. Some light vertical marks may be visible on the cylinder wall. In these areas, check that the honing marks are still visible in this marked area. If they are, the cylinder surface has not been compromised and the engine block can be used. All 4 piston assemblies should be replaced at this time.

**Note:** When installing pistons, make sure to use the tapered ring compressor J-43953 special tool.



**Note:** When installing the turbo outlet gasket, make sure to position on the studs correctly as shown in the illustration above.



**Note:** If the gasket is flipped, as shown in the illustration above, it will reduce the outlet flow.

## Parts Information

Part Number	Description	Qty
12652809	Piston Kit	4
11610588	Rod Bolts	8
12634516	Cam Cover Gasket	1
12629404	Head Gasket	1
11610687	Head Bolts	10
89018107	Piston Ring Kit	4

## Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
4066890	Piston, Connecting Rod, and Bearing Replacement	Use Published Labor Operation Time

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