File in Section: -
Bulletin No.: PIP5062C
Date: May, 2014

Service Bulletin

PRELIMINARY INFORMATION

Subject: **Diagnostic Tips for Single Cylinder Misfire**

Models: **2012-2014 Buick LaCrosse**
2013-2014 Cadillac ATS
2013-2014 Cadillac XTS
2012-2014 Cadillac SRX
2012-2014 Chevrolet Camaro
2012-2014 Chevrolet Impala
2012-2014 Chevrolet Equinox
2012-2014 GMC Terrain
With direct injection engines 2.4 LEA, LAF, 3.0 LF1, LFW and 3.6 LFX

This PI was superseded to update model list. Please discard PIP5062B.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern

The customer may complain of a check engine light and a misfire.

Upon inspection you may find a single cylinder misfiring and a P0300 set.

If the misfiring cylinder is creating NO or very low power, the diagnostics below may be helpful.

Recommendation/Instructions

Once you determine there is a cylinder creating no power:

1. Swap the ignition coil and spark plug with another cylinder.
2. Inspect the plug when out for wet or dry condition.
3. Perform an injector test with the Tech2 or GDS.
4. If the plug is wet then check for a leaking or stuck open injector.
5. If the plug is dry then enrich the intake air with propane.
   (If the severity of the misfire is less with enrichment, suspect a weak or inoperative injector driver in the ECM and replace as needed.)
6. Perform a cylinder leakage test to determine if there is a valve sealing concern.
   (If there is a valve sealing concern see the latest version of PIP5029 for recommendations.)

Warranty Information

The correction for this concern may be one of several repairs described in the diagnostic tips above.

For vehicles repaired under warranty, please use the appropriate warranty labor operation based on the actual cause and repair.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.