



Service Bulletin

File in Section: -

Bulletin No.: PI1321

Date: September, 2014

PRELIMINARY INFORMATION

Subject: Diagnostics Tips for Malfunction Indicator Lamp (MIL), Misfire and/or Oil Consumption

Models: 2013-2014 Chevrolet Spark
Equipped with 1.2L Engine (RPO LL0)

Condition/Concern

Some customers may comment on a malfunction indicator lamp (MIL) on, misfire or oil consumption after completing Emission Recall #14110.

Technicians may find DTCs P0300 and/or P0324 set.

This may be caused by:

- The PCV valve and #4 spark plug replacement may not correct the condition of oil consumption due to stuck oil control rings.
- A misfire that continues after #4 spark plug and PCV valve replacement due to burned valvetrain components or stuck oil control rings.

Recommendation/Instructions

If the customer's concern is excessive oil consumption, perform the latest version of bulletin number 01-06-01-011 to verify the concern. If excessive oil consumption is verified, proceed to the Repair Recommendations in this bulletin.

If the concern is oil consumption and rough running or misfire, remove the #4 spark plug and inspect for excessive oil fouling. Perform a cylinder leakage test to verify that the valves are seating properly.

If the spark plug is not oil fouled and excessive cylinder leakage cannot be verified, then follow current SI diagnostic procedures to isolate the cause.

If the plug shows excessive oil fouling or excessive cylinder leakage is verified, then proceed to the Repair Recommendations below.

Repair Recommendations

Follow current SI service procedures to remove the four piston assemblies.

Inspect the cylinder bores for the following conditions:

- Damage or scoring with grooves deep enough to catch a finger nail.
- Areas of the cylinder wall that are missing the normal crosshatch pattern. Normal cylinder wall crosshatch pattern can be seen all the way around the bore from top to bottom.

Do not replace the engine assembly unless missing crosshatch pattern or scoring is found.

If the cylinder bores are not damaged, then replace all four piston assemblies. Also, if excessive cylinder leakage was found, inspect the cylinder head, valves and valve seats for damage and replace as necessary.

Do not replace the camshafts and lifters for conditions described in the latest version of PI0943 unless the wear on the lifter is excessive due to lack of lubrication.

Warranty Information

The correction for this concern may be one of several repairs described above. For vehicles repaired under warranty, please use the appropriate warranty labor operation based on the original cause in addition to well documented straight time.