



SB-10056605-3612

File in Section: -

Bulletin No.: PI1366

Date: December, 2014

Service Bulletin

PRELIMINARY INFORMATION

Subject: Malfunction Indicator Lamp (MIL) Due to DTC P0299 – Loss of Turbocharger Boost

Models: 2013-2015 Buick Encore
2011-2015 Chevrolet Cruze
2013-2015 Chevrolet Sonic, Trax
Equipped with 1.4L Engine (RPOs LUJ, LUV)

This PI replaces PIP5023A. Please discard PIP5023A.

Condition/Concern

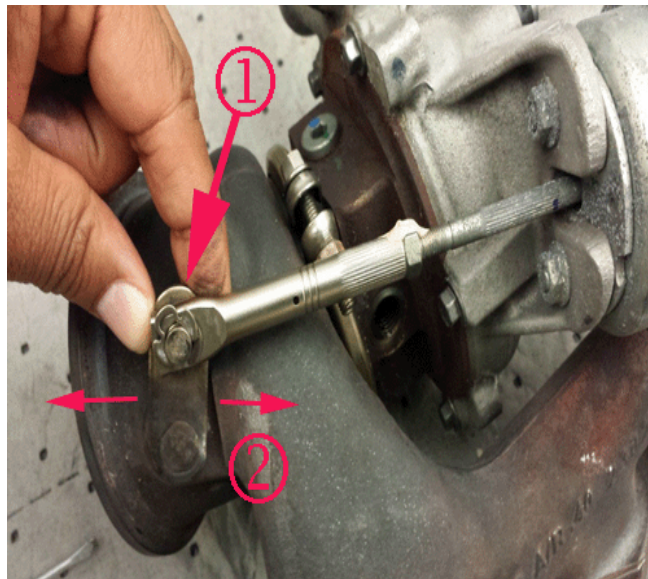
Some customers may comment that the malfunction indicator lamp is illuminated. Technicians may find diagnostic trouble code (DTC) P0299 – Engine Underboost set.

This code may be set due to the loss of wastegate preload. Some wear in the wastegate actuator rod end to pin joint is normal. Wear in this joint does not affect performance and does not set any codes as long as preload is maintained.

Recommendation/Instructions

If a P0299 DTC is stored, perform SI diagnosis and repair as necessary. If SI diagnosis does not isolate the cause of this concern, inspect for turbocharger wastegate preload.

Wastegate Preload Inspection:



4002329

1. Remove the heat shield. Refer to the Exhaust Manifold Heat Shield Replacement in SI.

Warning: In order to avoid being burned, do not service the exhaust system while it is still hot. Service the system when it is cool.

2. Ensure that the retention clip (1) is in place. If the clip is missing, install a new clip.
3. Use your fingers to wiggle the wastegate pivot lever (1) back and forth.

4. If the lever wiggles with little effort while the actuator rod remains static, the pre-load is insufficient.
5. If the inspection failed, replace the turbocharger. Refer to the Turbocharger Replacement in SI.
6. If the inspection passed, continue diagnoses. Refer to the code P0229 in SI.

Warranty Information

For vehicles repaired under warranty, use the appropriate labor operation for the repair performed.