



Service Bulletin

File in Section: -

Bulletin No.: PI1456A

Date: April, 2015

PRELIMINARY INFORMATION

Subject: Diagnostic Tip for DTC P0336: Crankshaft Position Sensor Performance

Models: 2015 Chevrolet Spark
Equipped with 1.2L Engine (RPO LL0)
Built Prior to VIN Breakpoint FC747743

This PI has been revised to update the Crankshaft Position Sensor Gap Inspection procedure. Please discard PI1456.

Condition/Concern

Some customers may comment that the malfunction indicator lamp (MIL) is illuminated. Technicians may find the diagnostic trouble code (DTC) P0336: Crankshaft Position Sensor Performance set as current or history.

This may be caused by the crankshaft position sensor not being fully seated in the bore of the transmission case, creating an excessive space between the crankshaft position sensor and the automatic transmission flex plate.

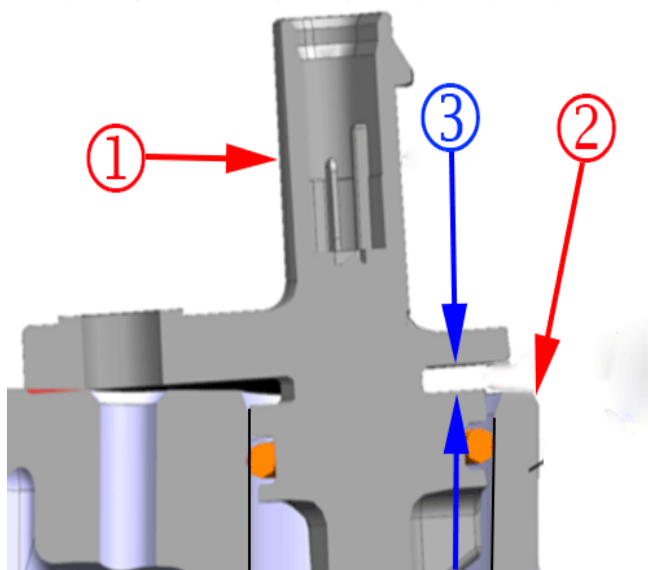
Typically the DTC occurs before 1609 km (1,000 miles).

Recommendation/Instructions

Inspect the gap between the crankshaft position sensor and the transmission case to verify the sensor is fully seated.

Crankshaft Position Sensor Gap Inspection:

1. Remove the air cleaner assembly. Refer to the Air Cleaner Assembly Replacement in SI.



Legend

- (1) Crankshaft Position Sensor
- (2) Transmission Case
- (3) Gap

2. Inspect the gap as illustrated above.
 - Correct gap is less than 0.35 mm (0.01378 in).
 - Incorrect gap is 0.35 mm (0.01378 in) or more.
3. If the gap is correct, wiggle the connector to verify if the connector is secured. If the connector is secured, continue diagnosis. Refer to the diagnostic code P0336 in SI. If the connector is not secure, secure connector and then skip to step 5.
4. If the gap is incorrect, remove and reinstall the crankshaft position sensor.

Tighten

Tighten the bolt to 10 N•m (89 lb in).

5. Reinstall the air cleaner assembly. Refer to the Air Cleaner Assembly Replacement in SI.
6. Clear the DTC.
7. With the engine running at normal operating temperature, perform the scan tool Crankshaft Position Variation Learn procedure and follow the on-screen instructions.
8. Verify the scan tool displays Test Passed Successfully when completed.
9. With the engine still at normal operating temperature, test drive the vehicle 4.8-8 km (3-5 miles), under various load conditions.
10. If the DTC does not return, the repair is complete.
11. If the DTC returns, continue diagnosis. Refer to the diagnostic code P0336 in SI.