Bulletin No.: PI1456

Date: Apr-2015

# Service Bulletin

# 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

## 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.

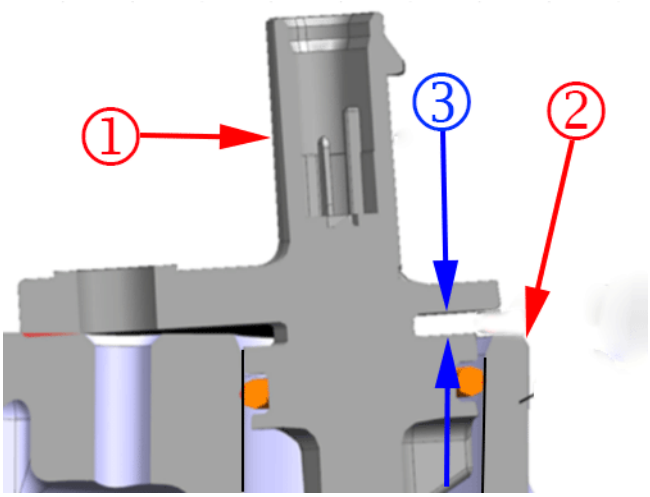
Typically the DTC occurs before 1609 km (1,000 miles).

## 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.




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 in incorrect, remove and reinstall the crankshaft position sensor.

   **Tighten:** Tighten the bolt to 10 Y (89 lb in).
5. Reinstall the air cleaner assembly. Refer to the Air Cleaner Assembly Replacement in SI.
6. Clear the DTC.
7. Start the engine, maintain engine RPM between 1,000 and 2,000 for ten seconds.
8. Then maintain engine RPM to approximately 4,000 for five seconds and return to idle.
9. Repeat steps 7 and 8 three times.
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.

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