



Service Bulletin

PRELIMINARY INFORMATION

Subject: Malfunction Indicator Lamp (MIL) Illuminated, DTC P0503 Only Set with No Other Symptoms

Models: 2015 Chevrolet Corvette
Equipped with Manual Transmission (MEK or MEL)
Built Prior to VIN Breakpoint F5606174

Attention: This PI also applies to any of the above models that may be Export vehicles.

This PI has been revised to update the Subject, Condition/Concern, Recommendation/Instructions, add a VIN breakpoint and Warranty Information and remove the Customer Information section. Please discard PI1439.

Condition/Concern

Some customers may comment on a malfunction indicator lamp (MIL) illuminated.

During diagnosis a technician may notice that the Engine Control Module (ECM) has stored diagnostic trouble code (DTC) P0503 as current or history with no other symptoms present.

This may be caused by the vehicle software interpreting a vehicle speed sensor signal change following a wheel spin event as a vehicle speed sensor fault.

Recommendation/Instructions

Important: Do **NOT** replace the vehicle speed sensor for this issue.

If following the diagnostic instructions for this code above in Service Information (SI) does not lead to a root cause, update the Engine Control Module (ECM) software.

An revised software calibration has been released to address this condition.

Update the Engine Control Module (ECM) using the Service Programming System (SPS) with the latest calibrations available on TIS2WEB. Refer to the K20 Engine Control Module: Programming and Setup in SI.

Important: Verify the battery voltage is more than 12 volts but less than 16 volts before proceeding with reprogramming. The battery must be fully charged **BEFORE** reprogramming.

Important: During reprogramming, the battery voltage must be maintained within the proper range of 12-15.5 volts. **CONNECT** the approved Midtronics® PSC 550 Battery Maintainer (SPS Programming Support Tool (EL-49642) to the vehicle or the GR8 (EL50313) in the power supply mode.

Warranty Information

For vehicles repaired under the Powertrain coverage, use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
2810075	Engine Control Module Reprogramming with SPS	Use Published Labor Operation Time

safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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