

Service Bulletin

TECHNICAL

Subject: Outside Temperature Displayed Takes Long Time to Update After Initial Startup, Malfunction Indicator Lamp (MIL) Illuminated - DTC P0234, P05Cc, P05Cd, P05Ce, P05Cf Set

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	CT6	2016	2017			LGW, LGX	

Involved Region or Country	North America, Middle East, Europe, Israel, Japan, South Korea	
Condition	Some customers may comment that:	
	Malfunction Indicator Lamp is illuminated.	
	 Outside temperature display takes a long time to update after initial startup. 	
	The Technician may find one or more DTCs set:	
	• P0234	
	• P05Cc	
	• P05Cd	
	• P05Ce	
	• P05Cf	
	The technician may also find DTC U0422 set in the ICCM.	
Cause	This condition may be caused during vehicle startup (on occasion). The PEPS module arbitration along with high bus traffic leads to the BCM setting the door open switch Virtual Device Availability (VDA) to unavailable.	

Correction

The following improvements were implemented per the specific RPOs below.

LGW

- 1. P02 Revisions were made to improve the robustness of the P0234 over boost diagnostic.
- 2. Outside Air Temperature (OAT) sensor: The OAT reading was changed to update sooner after initial startup.
- 3. P05Cc/Cd/Ce/Cf: Cold start phaser codes changed from Type A to Type B DTC, reducing the occurrence of any of these codes setting.

LGX

- 1. Outside Air Temperature (OAT) sensor: The OAT reading was changed to update sooner after initial startup.
- 2. P05Cc/Cd/Ce/Cf: Cold start phaser codes changed from Type A to Type B DTC, reducing the occurrence of any of these codes setting.

Service Procedure

Important: Verify the battery voltage is more than 12.6 volts but less than 15.5 volts before proceeding with reprogramming. The battery must be fully charged **BEFORE** reprogramming.

A revised calibration has been released to address these conditions. Update the Engine Control Module (ECM). Refer to K20 Engine Control Module: Programming and Setup in SI.

Important: During reprogramming, the battery voltage must be maintained within the proper range of 12.6-15.5 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 warranty, use:

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

Version	1
Modified	

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