



Service Bulletin

TECHNICAL

Subject: DTC P0336 Crankshaft Position Sensor Performance

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Buick	LaCrosse	2017	2017			LGX	MRC
Cadillac	XT5	2017	2017				

Involved Region or Country	North America and N.A. Export Regions
Additional Options (RPOs)	Equipped with 3.6L LGX HFV6 Engine and MRC 8-Speed transmission
Condition	Some customers may comment that the Malfunction Indicator light is on and DTC P0336 may be active or stored in history.
Cause	The P0336 Crank Sensor Performance diagnostic compares the crank sensor pulses to the cam sensor pulses and will set a fault if the pulses are out of range. There may be noise on the crank sensor line which results in too many pulses.
Correction	A revised calibration has been released to address these conditions. Update the Engine Control Module (ECM).

Parts Information

No parts are needed for this condition.

Warranty Information

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

Service Procedure

If you encounter a vehicle with the above concern, reprogram the engine control module. Refer to *K20 Engine Control Module: Programming and Setup* in SI.

Important: Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt programming. Install the *EL-49642* SPS Programming Support Tool to maintain system voltage. If not available, connect a fully charged 12 V jumper or booster pack disconnected from the AC voltage supply. **DO NOT** connect a battery charger.

Version	1
Modified	

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, 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 this information.



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