



Service Bulletin

File in Section: -

Bulletin No.: 17-NA-390

Date: February, 2018

TECHNICAL

Subject: Power Steering Assist Reduced Displayed on Driver Information Center (DIC), Possible A/C Inoperative, Malfunction Indicator Lamp (MIL) Illuminated - DTCs P111E, U0401 and/or U0422 Set

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Buick	Enclave	2018	2018	SOP	JJ170893	3.6L (LFY, LGX)	
	LaCrosse				JU127223		
	Regal				J1102804		
Cadillac	XT5				JZ182214		
Chevrolet	Traverse				JJ170893		
GMC	Acadia				JZ181405		

Involved Region or Country	North America and N.A. Export Regions
Condition	<p>Some customers may comment on one or more of the following conditions:</p> <ul style="list-style-type: none">• Power Steering Assist Reduced message displayed on DIC• MIL illuminated <p>Some customers may comment that the A/C is inoperative.</p> <p>The technician may find one or more of the following DTCs set:</p> <ul style="list-style-type: none">• P111E: Engine Coolant Temperature Sensor Not Plausible set in the Engine Control Module.• U0401: Invalid Data Received From Engine Control Module set within the Power Steering Control Module.• U0422: Invalid Data Received From Body Control Module set within the Power Steering Control Module. <p>Some technicians may find that the steering gear has been previously replaced.</p>
Cause	<p>This condition may be caused by the P111E diagnostic calibration inadvertently causing the DTC to set under certain ambient conditions.</p>
Correction	<p>If you encounter a vehicle with the above concern:</p> <ul style="list-style-type: none">• Inspect the terminals at the coolant temperature sensor for loose terminal tension and ensure that the connector is properly seated.• Update the Engine Control Module (ECM) with the latest calibration.

Service Procedure

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 (GM Dealer Equipment Item #PSC-550) 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.

Refer to *K20 Engine Control Module: Programming and Setup* in SI.

Parts Information

No parts are required for this repair.

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	3
Modified	Released December 8, 2017 January 10, 2018 – Added additional models and VIN cutoff date. February 22, 2018 – Updated VIN breakpoint information and added DTC descriptions in Condition section.

