



# Service Bulletin

File in Section: -

Bulletin No.: 18-NA-018

Date: January, 2018

## TECHNICAL

**Subject: Brief Crank and No Start Followed by No Crank Until ECM Powers Down**

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Buick	Envision (China Only)	2015	2015	All	All	2.0L — RPO LTG	—
	Envision (United States, Canada, Mexico and China)	2016	2016	All	All	2.0L — RPO LTG	—

<b>Involved Region or Country</b>	United States, Canada, Mexico and China
<b>Condition</b>	Some customers may comment that the engine exhibits a brief crank and it will start and rev up and then it quits running. That condition is followed by a no crank until they wait for some time to allow the ECM to power down.
<b>Cause</b>	This condition may be caused by a software anomaly in the engine control module (ECM).
<b>Correction</b>	Updated software has been released to address this condition. If you encounter a vehicle with the above condition, reprogram the ECM with the latest available software.

### Service Procedure

1. Ignition ON.
2. Perform the Diagnostic System Check - Vehicle.
  - ⇒ If any DTCs are set, go to Diagnostic Trouble Code (DTC) List - Vehicle.
  - ⇒ If no DTCs are set, go to Step 3.

**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.**

**In China, use the recommended equivalent workshop equipment for the SPS Programming Support Tool.**

3. Reprogram the K20 Engine Control Module with the latest available software. 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 Information

Version	1
Modified	Released January 19, 2018

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 the information.



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