Bulletin No.: PIP5501A
Published date: 07/10/2017

Preliminary Information

PIP5501A DTC P2101

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	Escalade Models	2017	All	All	6.2L L86	All
Chevrolet	Silverado	2017	All	All	4.3L LV3 5.3L L83 6.2L L86	All
Chevrolet	Suburban	2017	All	All	5.3L L83	All
Chevrolet	Tahoe	2017	All	All	5.3L L83	All
GMC	Sierra	2017	All	All	4.3L LV3 5.3L L83 6.2L L86	All
GMC	Yukon Models	2017	All	All	5.3L L83 6.2L L86	All

Involved Region or Country	North America
Additional Options (RPO)	N/A
Condition	Vehicles setting DTC P2101
Cause	In 2017 the K2XX introduced a “Driver Door Open Prime” (DDOP) feature that improves cold startability. The engineering investigation has determined that an intermittent pulse on the ECM RUN/CRANK input (during vehicle door unlock), initializes the Electronic Throttle Control (ETC) diagnostics that falsely sets P2101 when the DDOP occurs as the customer opens the driver door. Many of the reported P2101 failures show that the vehicle battery was in a reduced charge state (new dealer stock or extended radio operation with the engine off).

Correction:

1. Perform a freeze frame (FF) read with GDS2. If the following (FF) parameters for the P2101 match, then the cause of the P2101 is part of an engineering investigation. Do not replace any parts.

Parameter	Module	Value
Engine Controls Ignition Relay Command	Engine Control Module	OFF
Engine Controls Ignition Relay Control Circuit High Voltage Test Status	Engine Control Module	Not Run
Engine Controls Ignition Relay Control Circuit Low Voltage Test Status	Engine Control Module	Ok
Engine Controls Ignition Relay Control Circuit Open Test Status	Engine Control Module	OK
Engine Speed	Engine Control Module	0 RPM
Ignition 1 Signal	Engine Control Module	11.9 V
Power Mode	Engine Control Module	OFF
Engine Run Time	Engine Control Module	0 SEC
Ignition Accessory Signal	Engine Control Module	ON
Engine Controls Ignition Relay Feedback Signal	Engine Control Module	0.3 V

2. Clear codes
3. Run the engine for 1 minute, soak the vehicle for 5 hours (required to re-initialize the DDOP) and verify that the P2101 does not reset.
4. Return the vehicle to the customer.

Warranty Information

Labor Operation	Description	Labor Time
4081808*	Clear Codes and Evaluate	0.3 hr.
*This is a unique Labor Operation for Bulletin use only.		

Version History

Version	2

Modified	**6/30/2017 to add vehicle lines**

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