



Service Bulletin

File in Section: -

Bulletin No.: 18-NA-351

Date: December, 2018

TECHNICAL

Subject: Unwanted Roof Rail Airbag Deployments While Off-Roading

Attention: This bulletin only applies to NON ZR2 vehicles. Refer to Customer Satisfaction Program #N182191300 for those vehicles.

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Colorado (Non ZR2)	2015	2019	SOP	K1173996		
GMC	Canyon						

Involved Region or Country	North America
Condition	On vehicles listed above, certain types of off-road use can, in rare cases, cause the vehicle's roof-rail air bags and seat belt pretensioners to deploy.
Cause	This condition may be caused by software/calibration performance. Note: Current software/calibrations meet all regulatory requirements.
Correction	Dealers can reprogram the sensing and diagnostic module (SDM) with updated software/calibrations. In very rare cases, the SDM may need to be replaced.

Service Procedure

Note: Carefully read and follow the instructions below.

- Ensure the programming tool is equipped with the latest software and is securely connected to the data link connector. If there is an interruption during programming, programming failure or control module damage may occur.
- Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt programming. When required install a GM Authorized Programming Support Tool to maintain system voltage. Refer to: <https://www.gmdesolutions.com/> for further information. 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.
- Turn OFF or disable systems that may put a load on the vehicles battery such as; interior lights, exterior lights (including daytime running lights), HVAC, radio, etc.
- Clear DTCs after programming is complete. Clearing powertrain DTCs will set the Inspection/Maintenance (I/M) system status indicators to NO.

Caution: If the Same Calibration/Software Warning is noted on the SPS Controller screen, do NOT attempt to program the module. No further action is required.

1. Reprogram the inflatable restraint sensing and diagnostic module. Refer to Inflatable Restraint Sensing and Diagnostic Module Programming and Setup in SI.

Note: When SPS failure message E4489 occurs during programming or calibration, do NOT call TCSC immediately. Record at which point the failure occurred before it displayed the E4489 message. When this occurs, proceed to GDS2. Download the appropriate vehicle configuration and select the Inflatable Restraint Sensing and Diagnostic Module. Under Identification Information, look at parameters: Software Module 1 Identifier and Software Module 2 Identifier. If either of these are populated with a value of 1 or more (record the Software Module 1 Identifier and Software Module 2 Identifier parameter values on the back of the job card), replace the Inflatable Restraint Sensing and Diagnostic Module and then program accordingly.

2. Record SPS Warranty Claim Code on job card for warranty transaction submission.

Parts Information

Note: Only select the parts that coincides with the repair performed.

Use the latest part number listed in the Electronic Parts Catalog (EPC).

Warranty Information

For vehicles repaired under warranty, use the appropriate labor operation for the repair performed.

Version	1
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