

Product Safety Recall

18179 SDM Loss of Communication



Reference Number: N182155400

Release Date: June 2018
Revision: 01

Revision Description: This bulletin is being updated to add additional essential information to the service procedure. Before programming the SDM verify that the “service airbag” light is not illuminated. If the “service airbag” light is illuminated, check for the presence of DTC U0151. If DTC U0151 is currently stored, remove the SDM fuse (located in the instrument panel fuse block) for a period of 30 seconds or more. Once the fuse is reinstalled, verify that DTC U0151 is cleared and proceed with reprogramming the SDM. Please discard all previous copies of bulletin 18179.

Attention: It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by this notification under a sale or lease until the defect or noncompliance is remedied.

Make	Model	Model Year		RPO	Description
		From	To		
GMC	Terrain	2018	2018		

Involved vehicles are marked “open” on the Investigate Vehicle History screen in GM Global Warranty Management system. This site should always be checked to confirm vehicle involvement prior to beginning any required inspections and/or repairs.

Condition	General Motors has decided that a defect which relates to motor vehicle safety exists in certain 2018 model-year GMC Terrain vehicles. In these vehicles, the sensing diagnostic module (SDM), which provides crash sensing and deploys airbags in the event of a crash, may not power down correctly when the vehicle is powered off. If this condition occurs, the SDM may be inoperative when the vehicle is restarted. If the SDM is inoperative when the vehicle is started, the airbag warning lamp will be illuminated, the driver information center will display a “service restraint system” message, and warning chimes will sound. If the SDM is inoperative, the SDM will not detect a crash or command deployment of airbags, increasing the risk of injury in a crash.
Correction	Dealers will reprogram the SDM with updated software.

Parts

No parts are required for this procedure.

Warranty Information

Labor Operation	Description	Labor Time	Trans. Type	Net Item
9103844*	Inflatable Restraint Sensing and Diagnostic Module Reprogramming with SPS	0.3	ZFAT	N/A
	ADD: Clear DTC Code U0151	0.1		

* To avoid warranty transaction rejections, the SPS Warranty Claim Code must be entered when submitting this transaction. Note that if multiple modules are reprogrammed, all claim codes must be entered with a comma separating each code.

Important: Before programming the SDM verify that the “service airbag” light is not illuminated. If the “service airbag” light is illuminated, check for the presence of DTC U0151. If DTC U0151 is currently stored, remove the SDM fuse (located in the instrument panel fuse block) for a period of 30 seconds or more. Once the fuse is reinstalled, verify that DTC U0151 is cleared and proceed with reprogramming the SDM.

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 the *EL-49642* SPS Programming Support Tool to maintain system

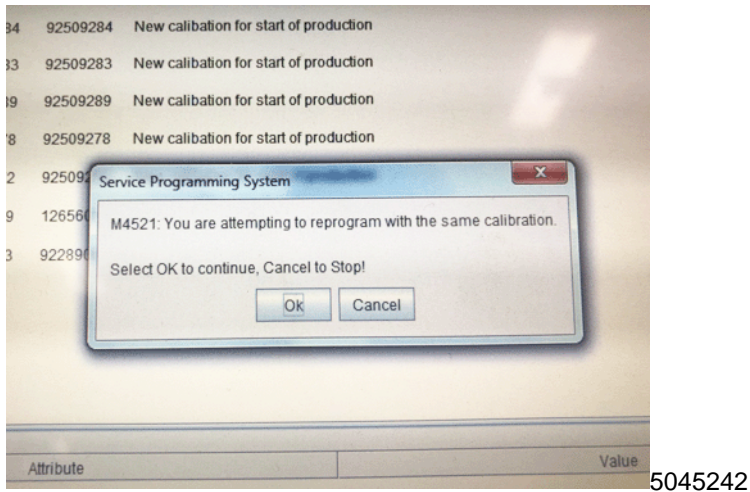
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voltage. If not available, connect a fully charged 12 V jumper or booster pack disconnected from the AC voltage supply. DO NOT connect a battery charger.

- 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.



Note: If the Same Calibration/Software Warning is noted on the SPS controller screen, select “OK” and continue programming.

1. Reprogram the Inflatable Restraint Sensing and Diagnostic Module. Refer to *K36 Inflatable Restraint Sensing and Diagnostic Module: Programming and Setup* in SI.
2. Record SPS Warranty Claim Code on job card for warranty transaction submission.

Dealer Responsibility – For USA & Export (USA States, Territories, and Possessions)

It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by this notification under a sale or lease until the defect or noncompliance is remedied.

The US National Traffic and Motor Vehicle Safety Act provides that each vehicle that is subject to a recall of this type must be adequately repaired within a reasonable time after the customer has tendered it for repair. A failure to repair within sixty days after tender of a vehicle is prima facie evidence of failure to repair within a reasonable time. If the condition is not adequately repaired within a reasonable time, the customer may be entitled to an identical or reasonably equivalent vehicle at no charge or to a refund of the purchase price less a reasonable allowance for depreciation. To avoid having to provide these burdensome remedies, every effort must be made to promptly schedule an appointment with each customer and to repair their vehicle as soon as possible. In the recall notification letters, customers are told how to contact the US National Highway Traffic Safety Administration if the recall is not completed within a reasonable time.

Dealer Responsibility – All

All new, used, GM Certified Used, courtesy transportation vehicles, dealer shuttle vehicles, etc. in dealers' possession and subject to this recall must be held and inspected/repared per the service procedure of this bulletin before customers take possession of these vehicles. Involved vehicles must be held and not delivered to customers, dealer-traded, released to auction, used for demonstration, or any other purpose.

All GM Certified Used vehicles currently in the dealers' inventory within the Certified Pre-Owned Inventory System (CPOIS) will be de-certified and must be held and remedied per the service procedure in this bulletin. Upon submitting an accepted/paid warranty transaction in the Global Warranty Management (GWM) system, the vehicle can be re-certified for sale within the CPOIS system, or once again be used in the CTP program.

Dealers are to service all vehicles subject to this recall at no charge to customers, regardless of mileage, age of vehicle, or ownership, from this time forward.

Customers who have recently purchased vehicles sold from your vehicle inventory, and for which there is no customer information indicated on the dealer listing, are to be contacted by the dealer. Arrangements are to be made to make the

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required correction according to the instructions contained in this bulletin. A copy of the customer letter is provided in this bulletin for your use in contacting customers. Recall follow-up cards should not be used for this purpose, since the customer may not as yet have received the notification letter.

In summary, whenever a vehicle subject to this recall enters your vehicle inventory, or is in your dealership for service in the future, you must take the steps necessary to be sure the recall correction has been made before selling or releasing the vehicle.

Dealer Reports

For dealers with involved vehicles, a listing with involved vehicles has been prepared and will be provided to U.S. and Canadian dealers through the GM GlobalConnect Recall Reports, or sent directly to export dealers. The listing may contain customer names and addresses obtained from Motor Vehicle Registration Records. The use of such motor vehicle registration data for any purpose other than follow-up necessary to complete this recall is a violation of law in several states/provinces/countries. Accordingly, you are urged to limit the use of this report to the follow-up necessary to complete this recall.

Courtesy Transportation – For USA & Canada

Courtesy transportation is available for customers whose vehicles are involved in a product program and still within the warranty coverage period. See General Motors Service Policies and Procedures Manual, Sections 1.4 and 6.1.10, for courtesy transportation program details.

Customer Notification

USA & Canada - General Motors will notify customers of this recall on their vehicle.

Export - Letters will be sent to known owners of record located within areas covered by the US National Traffic and Motor Vehicle Safety Act.

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 tools, equipment, 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 dealer for information on whether your vehicle may benefit from the information.



**We Support
Voluntary Technician
Certification**