

GLOBAL SAFETY FIELD INVESTIGATIONS
DCS4920
URGENT - DISTRIBUTE IMMEDIATELY

Date: December 4, 2018

Subject: 18239-01 – Emission Recall
ECM Circuit Board Connection Failure
Revised Warranty Information section

Models: 2018 Buick LaCrosse
2018 Cadillac ATS
2018 Cadillac CT6
2018 Cadillac CTS
2018 Chevrolet Camaro
2018 Chevrolet Colorado
2018 Chevrolet Cruze
2018 Chevrolet Equinox
2018 Chevrolet Malibu
2018 Chevrolet Tracker
2018 Chevrolet Volt
2018 GMC Acadia
2018 GMC Canyon
2018 GMC Terrain
Equipped with various engines (LHN, LTG, LCV, LE2, LYX, LEX, L3A)

To: All General Motors Dealers

This recall is being revised to update the Chevrolet Cruze labor time. Please discard all previous copies of bulletin 18239.

END OF MESSAGE
GLOBAL SAFETY FIELD INVESTIGATIONS

Product Emission Recall

18239 ECM Circuit Board Connection Failure



Reference Number: N182172990

Release Date: December 2018

Revision: 01

Revision Description: This recall is being revised to update the Chevrolet Cruze labor time. Please discard all previous copies of bulletin 18239.

Make	Model	Model Year		RPO	Description
		From	To		
Buick	LaCrosse	2018	2018	LHN	2.5L Engine
Cadillac	ATS	2018	2018	LTG	2.0L Engine
Cadillac	CT6	2018	2018	LTG	2.0L Engine
Cadillac	CTS	2018	2018	LTG	2.0L Engine
Chevrolet	Camaro	2018	2018	LTG	2.0L Engine
Chevrolet	Colorado	2018	2018	LCV	2.5L Engine
Chevrolet	Cruze	2018	2018	LE2	1.4L Engine
Chevrolet	Equinox	2018	2018	LYX	1.5L Engine
Chevrolet	Malibu	2018	2018	LTG	2.0L Engine
Chevrolet	Tracker	2018	2018	LEX	1.4L Engine
Chevrolet	Volt	2018	2018	L3A	1.5L Engine
GMC	Acadia	2018	2018	LCV	2.5L Engine
GMC	Canyon	2018	2018	LCV	2.5L Engine
GMC	Terrain	2018	2018	LTG, LYX	2.0L or 1.5L Engine

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 to conduct a Voluntary Emission Recall involving certain 2018 model year Buick LaCrosse, Cadillac ATS, Cadillac CT6, Cadillac CTS, Chevrolet Camaro, Chevrolet Colorado, Chevrolet Cruze, Chevrolet Equinox, Chevrolet Malibu, Chevrolet Tracker, Chevrolet Volt, GMC Acadia, GMC Canyon, and GMC Terrain vehicles, equipped with 4-cylinder engines (RPO LHN, LEX, L3A, LYX, LKN, LE2, LCV or LTG). On some vehicles, an electrical connection in the circuit board may fail in the engine control module. If this occurs, a malfunction indicator lamp (MIL), such as the Check Engine Light may illuminate.
Correction	Replace the Engine Control Module (ECM).

Parts

Quantity	Part Name	Part No.
1	Engine Control Module (ECM)	12669908
1	Engine Control Module (ECM)	12687467

Note: Use the VIN and the GM Electronic Parts Catalog (EPC) to determine which ECM to order.

It is estimated that only 596 involved vehicles will require this Engine Control Module Assembly replaced on this vehicle. **Due to limited initial parts availability, dealers are encouraged not to order these parts for use as shelf stock.**

Reminder: Parts may be removed from Retail Inventory Management (RIM) management. Dealers should review the affected parts to confirm RIM managed status. Parts may have quantity limiters in effect.

Warranty Information

Product Emission Recall

18239 ECM Circuit Board Connection Failure



Labor Operation	Description	Labor Time	Trans. Type	Net Item
9103851*	ECM Replacement	-	ZFAT	N/A
	Acadia	0.4		
	ATS, CTS	0.9		
	Camaro	0.8		
	Colorado/Canyon (Includes time to relocate expansion tank)	0.9		
	Cruze	0.5		
	CT6	0.8		
	ADD: with HP9	0.3		
	LaCrosse	0.3		
	Malibu	0.7		
	Equinox, Terrain	0.5		
	ADD: LYX	0.1		
	Tracker	0.5		
	Volt	1.4		

* To avoid warranty transaction rejections, the SPS Warranty Claim Code must be entered when submitting this transaction.

Warranty Claim Code Information Retrieval

If the SPS Warranty Claim Code was not recorded on the Job Card, the code can be retrieved in the SPS system as follows:

- Open TIS on the computer used to program the vehicle
- Select and start SPS
- Select Settings
- Select the Warranty Claim Code tab

The VIN, Warranty Claim Code and Date/Time will be listed on a roster of recent programming events. If the code is retrievable, dealers should resubmit the transaction making sure to include the code in the SPS Warranty Claim Code field.

Service Procedure

Note: After replacing the engine control module (ECM), module programming is required. 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 voltage. If not available, connect a fully charged 12V 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.
- To avoid warranty transaction rejections, the SPS Warranty Claim Code must be entered when submitting this transaction.

Product Emission Recall

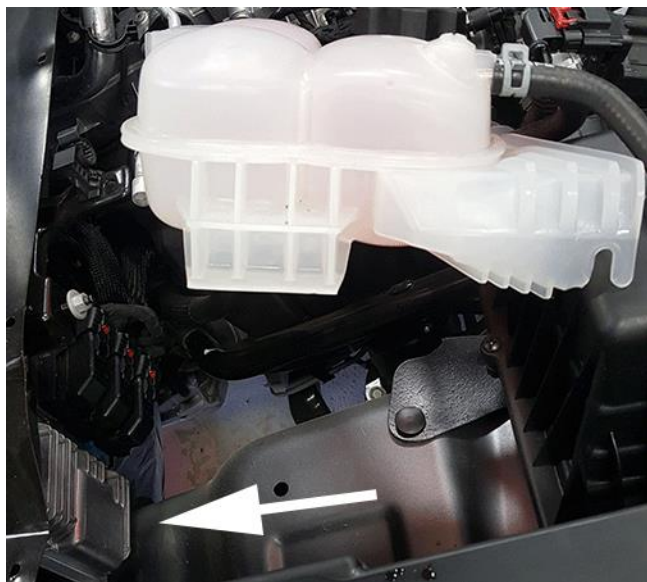
18239 ECM Circuit Board Connection Failure



1. Replace the ECM. Refer to *ECM Replacement* in SI.



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- Colorado/Canyon ONLY – loosen the two nuts holding the coolant expansion tank until the tank can be swung out of the way to replace the ECM (shown above). It is NOT necessary to drain and refill coolant for this service procedure.
2. Record SPS Warranty Claim Code on job card for warranty transaction submission.
 3. CALIFORNIA VEHICLES ONLY: Complete a “Proof of Correction” certificate and provide to the vehicle owner upon recall completion.

Dealer Responsibility

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/repaired 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.

Product Emission Recall

18239 ECM Circuit Board Connection Failure



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 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.

*****THE FOLLOWING 2 PARAGRAPHS ARE NOT FOR CANADA OR EXPORT*****

When a California emissions recall is completed by a GM dealer, the dealer must provide the vehicle owner a "Proof of Correction Certificate" which the owner may need to present to the California Department Of Motor Vehicles (DMV) when renewing their vehicle registration. Without this correction certificate, the owner may be unable to renew their vehicle registration.

Additional Certificates can be obtained, at no charge, from the 1Store application in GlobalConnect. Request GM Item Number 1825 when ordering.

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 (see copy of customer letter included with this bulletin).

In order to ensure full protection under the emission warranty, and the right to participate in future recalls, the customer notification letter recommends that customers have their vehicles serviced as soon as possible. It also advises that failure to do so could legally be determined to be lack of proper maintenance. The vehicle may fail a state or local emission inspection test if the recall work is not completed.

Export - Letters will be sent to known owners of record located within areas covered by the US National Traffic and Motor Vehicle Safety Act. For owners outside these areas, dealers should notify customers using the attached sample letter.

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**

Product Emission Recall

18239 ECM Circuit Board Connection Failure



August 2018

This notice applies to your vehicle, **VIN:** _____

Dear General Motors Customer:

This notice is sent to inform you that General Motors is conducting a voluntary emission recall that includes your vehicle.

Reason For This Recall: An electrical connection in the circuit board may fail in the engine control module. If this occurs, a malfunction indicator lamp (MIL), such as the Check Engine Light, may illuminate and your engine, which has been certified to meet California and Federal emission standards, may release air pollutants which exceed these standards.

What Will Be Done: Your GM dealer will replace and reprogram the engine control module. This service will be performed for you at **no charge**. Eligibility for the engine control module replacement and reprogramming will not be denied solely due to your engine having non-GM parts or repairs performed by outlets other than GM franchised dealers.

How Long Will The Repair Take? Because of service scheduling requirements, it is likely that your dealer will need your vehicle longer than the actual service correction time of 0.5 to 2 hours.

What You Should Do: Please contact your GM dealer as soon as possible to arrange a service date and to assure parts availability. Instructions for making this correction have been sent to your dealer. Please ask your dealer if you wish to know how much time will be needed to schedule, process, and repair your vehicle.

If you have any questions or need any assistance, just contact your dealer or the appropriate Customer Assistance Center at the number listed below.

Division	Number	Text Telephones (TTY)
Buick	1-866-608-8080	1-800-832-8425
Cadillac	1-866-982-2339	1-800-833-2622
Chevrolet	1-800-630-2438	1-800-833-2438
GMC	1-866-996-9463	1-800-462-8583
Puerto Rico – English	1-800-496-9992	
Puerto Rico – Español	1-800-496-9993	
Virgin Islands	1-800-496-9994	

Emission Warranty Information: In order to assure your full protection under the emission warranty provisions, it is recommended that you have your vehicle serviced as soon as possible. Failure to do so could legally be determined as lack of proper maintenance of your vehicle. Failure to replace and reprogram the engine control module may cause your vehicle to fail a state or local emission inspection or I/M smog check test.

IMPORTANT MESSAGE FOR CALIFORNIA RESIDENTS

The California Air Resources Board (CARB) requires vehicle emission recalls be completed prior to California registration renewal. Uncorrected emission recalls will result in the inability to renew your California vehicle registration.

At the time of emission recall completion, your California dealer will issue a "Proof of Correction Certificate". Keep this certificate and, if required, present it to the Department of Motor Vehicles when renewing your California registration as proof of recall completion.

We are sorry to cause you this inconvenience; however, we have taken this action in the interest of your continued satisfaction with our products.

Maryann L. Combs
Vice President
Global Vehicle Safety