

GLOBAL SAFETY FIELD INVESTIGATIONS
DCS6002
URGENT - DISTRIBUTE IMMEDIATELY

Date: December 10, 2021

Subject: REVISION: N212348030-01 - Emission Recall
Engine Control Module Cannot Detect Catalyst
Revised Service Procedure

Models: 2015-2017 Chevrolet City Express

To: All General Motors Dealers

The service procedure in this bulletin has been updated. Please discard all previous copies of N212348030.

Important for This Field Action

You must right click the TLC icon on your desktop and launch the program by selecting 'Run as Administrator' before programming in order to avoid a potential programming failure.

END OF MESSAGE
GLOBAL SAFETY FIELD INVESTIGATIONS

Product Emission Recall

N212348030 Engine Control Module Cannot Detect Catalyst Inefficiency



Release Date: December 2021

Revision: 01

Revision Description: The service procedure in this bulletin has been updated. Please discard all previous copies of N212348030.

Attention: All involved vehicles that are in dealer inventory must be held and not delivered to customers, dealer traded, or used for demonstration purposes until the repair contained in this bulletin has been performed on the vehicle. **(Canada Only)**

Make	Model	Model Year		RPO	Description
		From	To		
Chevrolet	City Express	2015	2017		

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 emissions recall involving certain 2015-2017 Chevrolet City Express vehicles. The engine control module (ECM) in these vehicles may not be able to properly diagnose reduced efficiency issues within the catalytic converter. If the catalytic converter's efficiency would become reduced, tailpipe emissions could exceed acceptable standards without illuminating the Malfunction Indicator Lamp (Check Engine Light).
Correction	Dealers are to reprogram the engine control module.

Parts

No parts are required for this repair.

Warranty Information

Labor Operation	Description	Labor Time	Trans. Type	Net Item
9105934*	Verified Module Software or Calibration Level: Module Is Programmed with Same Level Software or Calibration	0.2	ZFAT	N/A
9105935*	Engine Control Module Reprogramming with SPS	0.3	ZFAT	N/A
9105996	Customer Reimbursement Approved - For USA and Canada dealers only - For Export dealers only	- N/A 0.2	ZFAT	N/A
9105997	Customer Reimbursement Denied – For USA dealers only	N/A	ZFAT	**

* **Important:** To avoid warranty transaction rejections, carefully read and follow the instructions below:

- The SPS Warranty Claim Code must be accurately entered in the “SPS Warranty Claim Code” field of the transaction.
- When more than one Warranty Claim Code is generated for a programming event, it is required to document all Warranty Claim Codes in the “Correction” field on the job card. Dealers must also enter one of the codes in the “SPS Warranty Claim Code” field of the transaction, otherwise the transaction will reject. It is best practice to enter the FINAL code provided by SPS.

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:

1. Open TIS on the computer used to program the vehicle.
2. Select and start SPS.
3. Select Settings.
4. 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.

Note: To avoid having to “H” route the customer reimbursement transaction for approval, it must be submitted prior to the repair transaction.

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** Submit \$10.00 USD (\$12.00 CAD) administrative allowance in Net/Admin Allowance.

Service Procedure

Caution: Before downloading the update files, be sure the computer is connected to the internet through a network cable (hardwired). DO NOT DOWNLOAD or install the files wirelessly. If there is an interruption during programming, programming failure or control module damage may occur.

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. Install a GM Authorized Programming Support Tool to maintain system voltage. Refer to 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.
- Follow the on-screen prompts regarding ignition power mode but ensure that anything that drains excessive power (exterior lights, HVAC blower motor, etc) is off.
- Clear DTCs after programming is complete. Clearing powertrain DTCs will set the Inspection/Maintenance (I/M) system status indicators to NO.

Important: The service technician always needs to verify that the VIN displayed in the TLC left side drop down menu and the top center window match the VIN plate of the vehicle to be programmed prior to using Service Programming System 2 (SPS2) for programming or reprogramming a module.

- For the TLC application, service technicians need to always ensure that the power mode (ignition) is "ON" before reading the VIN from the vehicle's VIN master module and that they do not select a VIN that is already in the TLC application memory from a previous vehicle.
- If the VIN that shows up in the TLC top center window after correctly reading the VIN from the vehicle does not match the VIN plate of the vehicle, manually type in the VIN characters from the vehicle VIN plate into the TLC top center window and use these for programming or reprogramming the subject module with the correct vehicle VIN and software and/or calibrations.
- The Engine Control Module (ECM) is the master module (for VIP vehicles) that TLC reads to determine the VIN of the vehicle. If the VIN read from the vehicle by TLC does not match the VIN plate of the vehicle, the ECM also needs to be reprogrammed with the correct VIN, software and calibrations that match the vehicle's VIN plate.
- The Body Control Module (BCM) is the master module (for GEM vehicles) that TLC reads to determine the VIN of the vehicle. If the VIN read from the vehicle by TLC does not match the VIN plate of the vehicle, the BCM also needs to be reprogrammed with the correct VIN, software and calibrations that match the vehicle's VIN plate.

Caution: Be sure the VIN selected in the drop-down menu (1) is the same as the vehicle connected (2) before beginning programming.

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The screenshot shows the Techline Connect SPS2 interface. At the top, there is a header with the GM logo and 'Techline Connect Version: 1.8.0.2 Production'. Below this is a navigation bar with 'DASHBOARD', 'GDS2', 'SI', and 'SPS2' tabs. A 'Connect Vehicle' button is visible, along with a notification icon showing '1' and a Wi-Fi icon. The main area is titled 'Welcome to Service Programming System 2'. On the left, there is a form for vehicle information: VIN (1GNSKGM...), Model (Suburban - 4WD), Type (-), Make (Chevrolet), Year (2021), and Job Card. On the right, it says 'Diagnostic Tool Ready! J2534' and 'Selected Programming Process' with a 'Reprogram' dropdown. At the bottom, there are buttons for 'Auto Detect New Vehicle', 'Manually Enter Vehicle', and 'Auto Detect Tool'. System information at the bottom left shows 'Java Version: 1.8.0_92', 'SPS2 Version: 2.8.5.5060', and 'Windows Version: Windows 10'. There are 'Print' and 'Settings' buttons at the bottom left. A black arrow points from a circled '2' in the top right to a circled '1' in the VIN field.

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Important: If the vehicle VIN DOES NOT match, the message below will be shown

A warning dialog box with a yellow triangle icon. The text reads: 'WARNING: You have selected a VIN different from the VIN read from the vehicle. Proceeding could lead to damaging the vehicle and/or safety concerns. Do you wish to proceed?'. At the bottom, there are 'Yes' and 'Cancel' buttons.

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Techline Connect
Version: 1.6.0 Validation

MDI 2 SN# [REDACTED]
Click to disconnect

DASHBOARD GDS2 SI SPS2 Support RPO Search Service Manuals

SPS2

Programming

Controller	ID	Current #	Description
K17	1	84820771	
K17	2	84820790	
K17	3	84820797	
K17	4	84820801	
K17	5	84820808	
K17	6	84820819	
K17	7	84820825	

M4521: You are attempting to reprogram with the same calibration.
Select OK to continue, Cancel to Stop!

Print Save to PDF ECU Data Back Start Programming Cancel

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Service Programming System

Summary

Controller	Id	Current #	Selected #	Description
[REDACTED]	1	84758789	84758789	[REDACTED]
[REDACTED]	2	84790857	84790857	[REDACTED]
[REDACTED]	4	84557555	84557555	[REDACTED]
[REDACTED]	5	84681582	84681582	[REDACTED]
[REDACTED]	7	84690692	84690692	[REDACTED]
[REDACTED]	8	84662691	84662691	[REDACTED]
[REDACTED]	9	84678464	84678464	[REDACTED]

Vehicle Data

Attribute	Value

M4521: You are attempting to reprogram with the same calibration.
Select OK to continue, Cancel to Stop!

Print < Back Next > Cancel

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Important: Techline Connect and TIS2WEB screens shown above.

Important: If the same calibration/software warning is noted on the TLC or SPS Summary screen, select OK and follow screen instructions. After a successful programming event, the WCC is located in the Service Programming System dialogue box of the SPS Summary screen. No further action is required. Refer to the Warranty section of the bulletin.

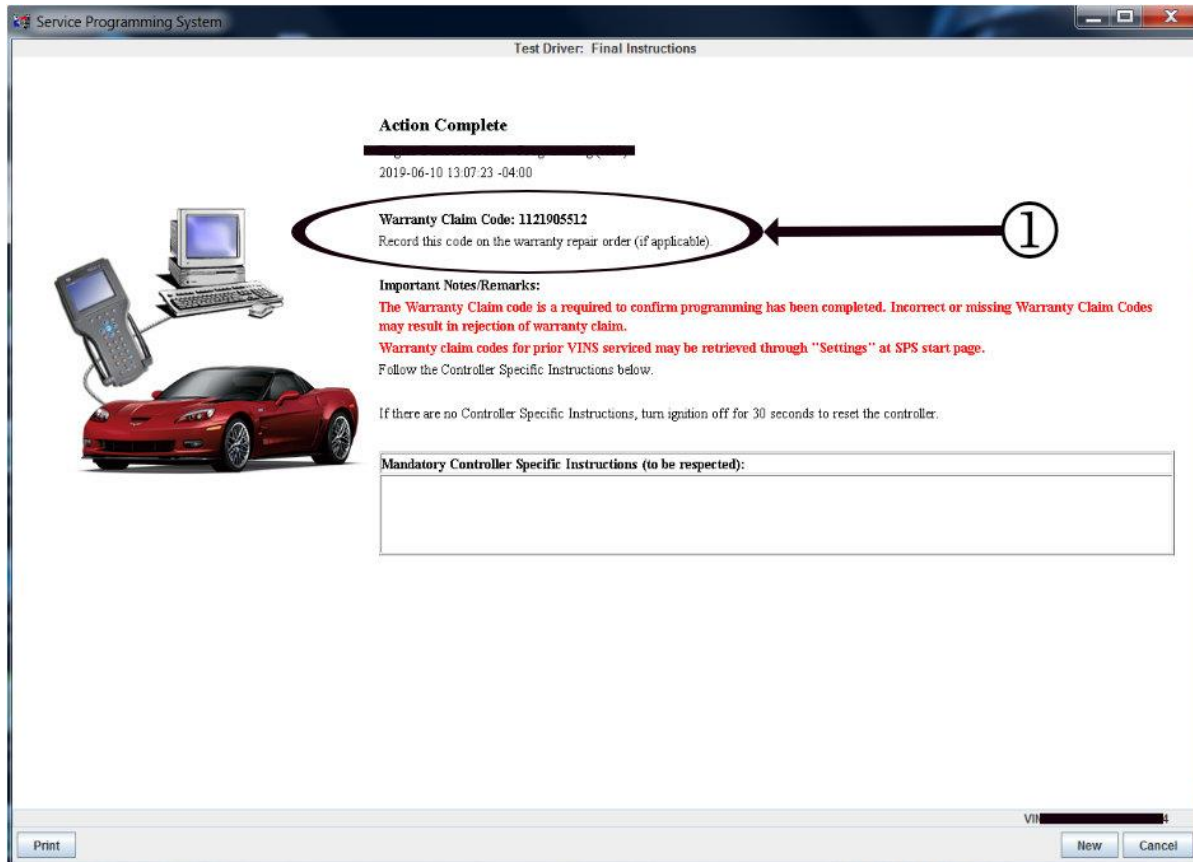
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Important: You must right click the TLC icon on your desktop and launch the program by selecting 'Run as Administrator' before programming in order to avoid a potential programming failure.

1. Reprogram the Engine Control Module. Refer to *K20 Engine Control Module: Programming and Setup* in SI.



Important: TIS2WEB screen shown. Techline Connect screen is similar and will be included in the near future.

Important: To avoid warranty transaction rejections, you MUST record the warranty claim code provided on the SPS Warranty Claim Code (WCC) screen on the job card. Refer to callout 1 above for the location of the WCC on the SPS screen.

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.

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

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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 field action enters your vehicle inventory you must take the steps necessary to ensure the program correction has been made before selling the vehicle. In addition, for vehicles entering your facility for service, you are required to ensure the customer is aware of the open field action and make every reasonable effort to implement the program correction as set forth in this bulletin prior to 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.

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.

Customer Reimbursement

Customer requests for reimbursement of previously paid repairs to correct the condition described in this bulletin are to be submitted to the dealer prior to or by November 30, 2022. See General Motors Service Policies and Procedures Manual, Product Field Action Customer Reimbursement Procedure (USA & Canada) or local Policies and Procedures, for details.

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**

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November 2021

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: Your 2015-2017 model year Chevrolet City Express vehicle, may be equipped with an improperly functioning on-board emission-related diagnostic system that violates California standards and regulations. The engine control module (ECM) in these vehicles may not be able to properly diagnose reduced efficiency issues within the catalytic converter. If the catalytic converter's efficiency would become reduced, tailpipe emissions could exceed acceptable standards without illuminating the Malfunction Indicator Lamp (Check Engine Light).

What Will Be Done: Your GM dealer will reprogram the ECM. This service will be performed for you at **no charge**. Eligibility for this service will not be denied solely due to your Chevrolet City Express vehicle having non-GM parts or repairs performed by outlets other than a GM franchised dealer.

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 approximately 35 minutes.

What You Should Do: Please contact your GM dealer to arrange a service date. 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.

Reimbursement: Even though you may have already had repairs for this condition, you will still need to take your vehicle to your dealer for additional repairs. If you have paid for repairs for the condition described in this letter, please complete the enclosed reimbursement form and present it to your dealer with all required documents. Working with your dealer will expedite your request, however, if this is not convenient, you may mail the completed reimbursement form and all required documents to Reimbursement Department, PO Box 33170, Detroit, MI 48232-5170. The completed form and required documents must be presented to your dealer or received by the Reimbursement Department by **November 30, 2022**, unless state law specifies a longer reimbursement period.

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)
Chevrolet	1-800-630-2438	1-800-833-2438
Puerto Rico – English	1-800-496-9992	
Puerto Rico – Español	1-800-496-9993	
Virgin Islands	1-800-496-9994	

Emission Law Information: In order to ensure your full protection under the emission warranty made applicable to your vehicle by state and federal law, and your right to participate in future recalls, it is recommended that you have your vehicle serviced as soon as possible. Failure to do so could legally be determined to be lack of proper maintenance of your vehicle. Also, your vehicle may fail a state or local emission inspection if this recall is not accomplished.

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.

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

Regina A. Carto
Vice President
Global Product Safety and Systems Enclosure

N212348030