

GLOBAL SAFETY FIELD INVESTIGATIONS  
DCS5422  
URGENT - DISTRIBUTE IMMEDIATELY

Date: June 4, 2020

Subject: A202302140-01 - Service Update  
Engine Oil Pressure Sensor Performance Error  
Revised Part, Warranty and Service Procedure sections

Models: 2020 Buick Encore GX  
2021 Chevrolet Trailblazer  
Equipped with 1.2L Turbo Engine (RPO LIH)

To: All General Motors Dealers

This bulletin has been revised to update the service procedure, add part information, and update the warranty information section, including adding floor plan reimbursement. Please discard all copies of A202302140.

END OF MESSAGE  
GLOBAL SAFETY FIELD INVESTIGATIONS

# Service Update

## A202302140 Engine Oil Pressure Sensor Performance Error



**Release Date:** June 2020

**Revision:** 01

**Revision Description:** This bulletin has been revised to update the service procedure, add part information, and update the warranty information section, including adding floor plan reimbursement. Please discard all copies of A202302140.

**Attention:** On April 14, 2020 an inspection procedure was made available and vehicles that passed the inspection could be delivered and closed using the “Inspect Only – Vehicle Passed Inspection (No Further Action Required)” labor code 9105080. For vehicles which did not pass inspection and were held, parts are now available to complete this repair and floor plan reimbursement has been added to this bulletin.

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.

All involved vehicles that are in New and Unsold dealer inventory must be held and not delivered to customers, dealer traded, or used for demonstration purposes until the inspection or repair contained in this bulletin has been performed on the vehicle.

This service update involves vehicles in dealer inventory only and will expire April 30, 2021.

Make	Model	Model Year		RPO	Description
		From	To		
Buick	Encore GX	2020	2020	LIH	1.2L Turbo Engine
Chevrolet	Trailblazer	2021	2021		

<b>Condition</b>	On certain vehicles, the engine oil pump may be stuck due to foreign material, and diagnostic trouble codes (DTC) P0521, P06DE, P06DD could be set.
<b>Correction</b>	Dealers are to perform the engine oil pump screening test and if necessary, replace the oil pump.

### Parts

Quantity	Part Name	Part No.
1	Oil Pump	55503981
1	Oil Pan	55509997
1	Oil Pump OCV O-Ring	55502517
1	Oil Filter	12696048
1	Sealant	19369831 (US) 19369832 (CA)
5 (US) 4 (CA)	Engine Oil DEXOS1 GEN2 5W-30	88865926 (US) 19353385 (CA)

**Important:** Due to limited initial parts availability, dealers are encouraged not to order these parts for use as shelf stock. Based on our records it appears that there may be some of the parts that have a significant amount of dealer shelf stock. Please validate your shelf stock prior to ordering for this field action.

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

### Warranty Information

Labor Operation	Description	Labor Time	Trans. Type	Net Item
9105080*	Inspect Only – Vehicle <b>Passed</b> Inspection (No Further Action Required) Engine oil pump failure screening test cycle - 20 cycles	0.8	ZFAT	N/A
9105157	Oil Pump Replacement (Includes oil + filter change) Add: Engine Oil Pump Failure Testing - 10 cycles - 20 cycles	1.3 0.6 0.8	ZFAT	N/A

# Service Update

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9105158	Floor Plan Reimbursement – NEW INVENTORY ONLY	N/A	ZFAT	**
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Note: To avoid having to “H” route the floor plan transaction for wholesale approval, it must be submitted prior to the repair transaction.

\*One test cycle: Steps 4 through 6 in Service Procedure

### Floor Plan Reimbursement – NEW INVENTORY ONLY

\*\* **USA & Canada Only** – For vehicles eligible for floor plan reimbursement, the amount should be submitted in Net Item/Miscellaneous. This amount should represent the product of the vehicle’s average daily interest rate (see table below) multiplied by the actual number of days the vehicle was in dealer inventory and not available for sale due to not passing inspection. This reimbursement is limited to the number of days from the date the inspection procedure was sent (April 14, 2020) to the date the repair is completed, and the vehicle is ready for sale (not to exceed 56 days):

Vehicle	Floor Plan Reimbursement Amount	
	USA	Canada
2020 Buick Encore GX	\$3.17	\$3.89
2021 Chevrolet Trailblazer	\$3.11	\$3.83

### Service Procedures:

**NOTE: If you have already performed the testing procedure once, stop and skip directly to the Engine Oil Pump Replacement section.**

### Testing

**Important:** The purpose of this procedure is to perform two tests of ten cycles each, as described below, or to trigger DTCs P0521, P06DE, P06DD, whichever comes first. The test should be stopped immediately upon triggering a DTC if that occurs.

1. Park the vehicle in a safe location. Put the transmission in park and apply the parking brake.
2. Connect the MDI or MDI2 and start GDS. Clear all codes in the vehicle, and double check that there are no codes in the ECM before starting the procedure.

Module Diagnostics => [K20] Engine Control Module => Data Display => Engine Mechanical Data

3. Start and run engine for minimum 15 minutes until the coolant temperature gauge needle is centered in the gauge.



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4. Raise the engine speed to 2,000 rpm for 30 seconds.
5. Rev up the engine rpm to 4,000 rpm limit and hold for 15 seconds.
6. Release the acceleration pedal to go down rpm to idle and wait for 15 seconds.

**Important:** One test cycle is from steps 4 to 6.

7. Repeat the test cycle (Steps 4-6) ten times.
8. Check DTC Display Tab for trouble codes P0521, P06DE, P06DD. Exit Engine Mechanical Data screen to save session log.
9. If any of these DTCs set: P0521, P06DE, P06DD, skip to Step 15.
  - If P0521, P06DE, P06DD are not present, proceed to Step 10.
10. Turn off the engine.

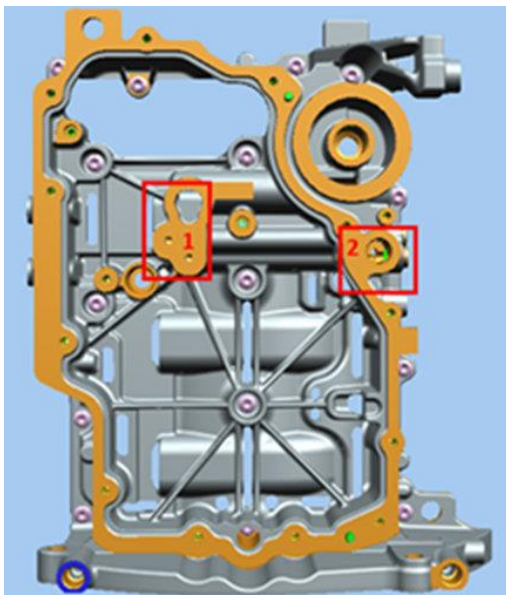
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11. Disconnect scan tool from DLC. Remove key fobs from vehicle. Open door and close door. Wait for 30 seconds to allow modules to power down.
12. Leaving engine off, turn on vehicle and re-initialize Engine Mechanical Data. Start engine. Repeat the test cycle (Steps 4-6) ten more times.
13. Check DTC Display Tab for trouble codes P0521, P06DE, P06DD. Exit Engine Mechanical Data screen to save session log.
  - If any of these DTCs set: P0521, P06DE, P06DD, skip to Step 15.
  - If P0521, P06DE, P06DD is not present, go to Step 14.
14. If P0521, P06DE, P06DD are still not set during this test, further action is not required. Release the vehicle to the customer and 20 cycles have been completed.
15. If any of these DTCs set: P0521, P06DE, P06DD during this test, refer to Engine Oil Pump Replacement below.

#### Engine Oil Pump Replacement



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**Caution: Ensure the three oil pump oil holes (Area 1) and OCV mounting hole (Area 2) are free of debris BEFORE installing the oil pump and OCV. If debris is found, remove with a lint-free cloth or brush that will not scratch the surface.**

Refer to *Engine Oil Pump Replacement* in SI.

#### **Dealer Responsibility**

Dealers must take the steps necessary to ensure that the service update correction has been made to all involved vehicles in dealer inventory before selling or dealer-trading the vehicle, but no later than April 30, 2021.

All new, used, GM Certified Used, courtesy transportation vehicles, dealer shuttle vehicles, etc. in dealers' possession and subject to this bulletin 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.

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.



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Voluntary Technician  
Certification**