

Part 573 Safety Recall Report

20V-588

Manufacturer Name : General Motors, LLC**Submission Date :** JAN 27, 2021**NHTSA Recall No. :** 20V-588**Manufacturer Recall No. :** A202307260**Manufacturer Information :****Population :**

Manufacturer Name : General Motors, LLC

Number of potentially involved : 3,677

Address : 29427 Louis Chevrolet Road
MAIL CODE 480-210-2V WARREN MI
48093

Estimated percentage with defect : 5 %

Company phone : 586-596-1733

Vehicle Information :

Vehicle 1 : 2020-2020 Cadillac CT4

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records and supplier part trace data were used to identify potentially affected vehicles.

28 Cadillac CT4 vehicles are included in this recall.

Production Dates : FEB 20, 2020 - MAR 06, 2020

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2020-2020 Cadillac CT5

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records and supplier part trace data were used to identify potentially affected vehicles.

58 Cadillac CT5 vehicles are included in this recall.

Production Dates : FEB 20, 2020 - FEB 24, 2020

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 3 : 2021-2021 Chevrolet Trailblazer

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records and supplier part trace data were used to identify potentially affected vehicles.

1233 Chevrolet Trailblazer vehicles are included in this recall.

Production Dates : JAN 22, 2020 - JUN 12, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2020-2020 Chevrolet Corvette

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records and supplier part trace data were used to identify potentially affected vehicles.

676 Chevrolet Corvette vehicles are included in this recall.

Production Dates : MAR 02, 2020 - JUN 26, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2020-2021 Buick Encore GX

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records and supplier part trace data were used to identify potentially affected vehicles.

Non-GX trimlines of the Buick Encore are not included in this recall.

1111 Buick Encore vehicles are included in this recall.

Production Dates : JAN 30, 2020 - JUN 17, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2020-2020 Cadillac XT4

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records and supplier part trace data were used to identify potentially affected vehicles.

571 Cadillac XT4 vehicles are included in this recall.

Production Dates : JAN 17, 2020 - FEB 25, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : General Motors has decided that a defect which relates to motor vehicle safety exists in certain 2020 model year Cadillac CT4, CT5 and XT4 vehicles, 2020 model year Chevrolet Corvette vehicles, 2020 – 2021 model year Buick Encore GX vehicles, and 2021 model year Chevrolet Trailblazer vehicles. Material used in a sensor connection in the electronic brake boost system in these vehicles may have been contaminated during the material supplier's production process. Contamination of this material may cause an interruption of communication between the sensor and the brake boost system under certain conditions.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If communication with the sensor is interrupted, electronic brake boost assist could be lost. Extra pedal force will be required to slow and stop the vehicle, increasing the risk of a crash.

Description of the Cause : During a limited production period, the supplier of the affected connector material failed to perform required cleaning of tooling used to manufacture the material, potentially introducing contamination.

Identification of Any Warning that can Occur : If electronic brake boost assist is lost, a warning light and message may appear in the instrument panel and vehicle speed may be limited.

Involved Components :

Component Name 1 : CYLINDER ASM-BRK MAS (W/P/B BOOS&ELEK BRK BOOS CON

Component Description : Electronic Brake Boost Module

Component Part Number : 84774537, 84784557, 84871303, 84722407, 6000426, 60004350

Supplier Identification :

Component Manufacturer

Name : Robert Bosch GmbH

Address : P.O. Box 1355

D-74003 D-74003 Hilbronn Foreign States

Country : Germany

Chronology :

On June 30, 2020, GM opened an investigation into potential loss of brake boost assist in certain 2021 model year Chevrolet Trailblazer vehicles after a review of warranty data for the Korean market revealed several complaints of increased braking effort in those vehicles.

Together with the electronic brake boost system supplier, GM conducted a teardown and material composition analysis of returned warranty parts for these vehicles. The analysis revealed evidence of material contamination in a connector to the system's rotor position sensor (RPS). Testing was undertaken, which demonstrated such contamination could degrade the electrical connection between the RPS and the brake assist system, potentially causing loss of brake assist.

GM and the system supplier reviewed warranty claim data and the connector material supplier's production records. They discovered that, during a three day production window from December 16 to December 18, 2019, the connector material supplier failed to perform required cleaning of tooling used to manufacture the material where contamination was found. GM's investigator completed a read across to determine which vehicles may be affected.

On September 17, 2020, GM's Safety and Field Action Decision Authority decided to conduct a safety recall. GM is not aware of any injuries or accidents related to this condition.

Description of Remedy :

Description of Remedy Program : Dealers will replace the electronic brake boost module. Pursuant to 49 C.F.R. § 573.13(d)(1), all covered vehicles are under warranty, so reimbursement is not offered.

How Remedy Component Differs from Recalled Component : Replacement assemblies were manufactured outside of the supplier production window affected by the contaminated electrical connectors in the rotor position sensor.

Identify How/When Recall Condition was Corrected in Production : By September 1, 2020, all affected electronic brake boost module assemblies at GM plants had been assembled into vehicles or scrapped.

Recall Schedule :

Description of Recall Schedule : Interim customer notification was sent on November 9, 2020. This will be a phased launch, executed under three GM bulletins, A202307261, A202307262, and A202307263. Owner letter mailings began on December 9, 2020. The last phase of owner letters are estimated to mail on February 27, 2021.

Planned Dealer Notification Date : SEP 24, 2020 - SEP 24, 2020

Planned Owner Notification Date : DEC 09, 2020 - FEB 27, 2021

* NR - Not Reported