

Part 573 Safety Recall Report

19V-643

Manufacturer Name : General Motors LLC**Submission Date :** SEP 06, 2019**NHTSA Recall No. :** 19V-643**Manufacturer Recall No. :** N192268310**Manufacturer Information :**

Manufacturer Name : General Motors LLC

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

Company phone : 586-596-1733

Population :

Number of potentially involved : 3,420

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2020-2020 Buick Enclave

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Population includes vehicles possibly manufactured with suspect rails identified by the supplier through the stamp date.

Vehicles built with rails that have been inspected or with rails outside the suspect window or are not included in the recall.

869 Buick Enclave vehicles are affected by this recall.

Production Dates : JUL 02, 2019 - JUL 15, 2019

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2020-2020 Chevrolet Traverse

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Population includes vehicles possibly manufactured with suspect rails identified by the supplier through the stamp date.

Vehicles built with rails that have been inspected or with rails outside the suspect window or are not included in the recall.

2551 Chevrolet Traverse vehicles are affected by this recall.

Production Dates : JUL 02, 2019 - JUL 12, 2019

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 Chevrolet Traverse and Buick Enclave vehicles. In a small number of these vehicles, the right-hand frame rail in the engine compartment may have a stress fracture along the rail's upper surface.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Vehicles with a stress fracture in the frame rail may experience reduced crash performance in certain frontal crashes, increasing the risk of occupant injury.

Description of the Cause : GM's frame rail supplier incorrectly configured a stamping die used in the manufacture of these frame rails after the supplier made repairs to the die.

Identification of Any Warning
that can Occur : NR

Supplier Identification :**Component Manufacturer**

Name : Cosma Body Assembly Michigan (Magna)

Address : 54725 Grand River Ave.

New Hudson MICHIGAN 48165

Country : United States

Chronology :

On July 11, 2019, employees at GM's Lansing, MI plant discovered a vehicle in the assembly process with a stress fracture in the right-hand frame rail in the engine compartment. The plant promptly implemented containment procedures and inspected potentially affected vehicles and assemblies. Out of approximately 2,000 inspected units, three additional frame rails with the condition were identified.

GM personnel contacted the supplier of the frame rails, Cosma Body Assembly of Michigan. Cosma determined that the fractures were caused by an incorrect configuration made to a stamping die after the die had been repaired. Cosma corrected the die and implemented certain process improvements.

GM's engineering and safety performance team reviewed the condition and conducted a computer simulation to assess the potential effects of a fracture on crash performance.

GM opened an investigation into the issue on July 30, 2019. The assigned investigator reviewed the computer simulation results with GM's engineers and retrieved and reviewed applicable field data. GM has identified no additional reports of vehicles with this condition.

On August 26, 2019, GM's Open Investigation Review Board reviewed the status of the investigation and the

results from GM's computer simulations. OIR recommended a safety recall. On August 29, 2019, GM's Safety & Field Action Decision Authority decided to conduct a safety recall.

Description of Remedy :

Description of Remedy Program : GM will inspect for the condition and replace vehicles with the condition. Pursuant to 577.11, General Motors does not plan to provide notice about reimbursement to owners because owners would not have been aware of the issue prior to this recall.

How Remedy Component Differs from Recalled Component : The remedy will be a vehicle replacement.
Recalled Component Name: RAIL-F/CMPT INR SI (RH)
Recalled Component Description: RH Inner front Compartment frame rail
Recalled Component Part Number: 84320313
Recalled Component Country of Origin: U.S.

Identify How/When Recall Condition was Corrected in Production : Following discovery of the issue on July 11, 2019, containment was initiated at GM's assembly plant and the supplier implemented inspection procedures. Tool and process modifications were completed at the supplier on July , 17, 2019 to correct the condition.

Recall Schedule :

Description of Recall Schedule : Dealer will be notified on Friday, September 6, 2019. GM will provide owner notification dates when available.
Planned Dealer Notification Date : SEP 06, 2019 - SEP 06, 2019
Planned Owner Notification Date : NR - NR

* NR - Not Reported