

Part 573 Safety Recall Report

22V-923

Manufacturer Name : General Motors, LLC

Submission Date : DEC 14, 2022

NHTSA Recall No. : 22V-923

Manufacturer Recall No. : NR



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 : 2,108

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2022-2023 Chevrolet Malibu

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records and supplier shipping records were used to determine the affected population.

Vehicles produced with motor rail trim assembled outside the supplier's suspect manufacturing window are not included in this recall.

Production Dates : JUL 27, 2022 - AUG 03, 2022

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 2022-2023 model year Chevrolet Malibu vehicles. These vehicles may have a condition in which the front impact bar, a structural portion of the vehicle frame, may be improperly welded to the front frame rail. This defect may be present on the right-hand and/or left-hand side of the vehicle.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the front impact bar is improperly welded, front crash sensors may not perform as designed which may undermine occupant protection performance and increase the risk of injury in a frontal crash.

Description of the Cause : The sheet metal blank for the front frame rail outer panel was improperly loaded into the die by the supplier, resulting in a front frame rail that was cut

10 millimeters short of its intended design. The shortened frame rail prevented proper welding of the front impact bar to the front frame rail.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : RAIL ASM-F/CMPT SI

Component Description : Front Motor Rail

Component Part Number : 84791381 / 84791385

Supplier Identification :

Component Manufacturer

Name : Dieomatic INC (Magna)

Address : 3251 Heartland Drive

Liberty Missouri 64068

Country : United States

Chronology :

On August 3, 2022, a production operator discovered a section of the motor rail was missing while installing parts on a vehicle. Upon plant investigation, it was determined that the front rail outer panel was cut too short resulting in an incomplete weld condition to the front right-hand side of the front impact bar.

On August 11, 2022, a GM Quality Engineer submitted a report to GM's Speak Up For Safety (SUFS) program regarding this issue. Immediately following, GM worked with the plant and supplier to identify and contain vehicles manufactured between July 27, 2022 and August 3, 2022. Of the 1,875 vehicles that GM contained and inspected, none had an incomplete weld. GM formally opened an investigation into the subject condition on September 20, 2022. GM's investigation analyzed the potential effects of this condition on crash sensing and technical experts also provided their assessment of the effect of the incomplete weld on vehicle and occupant protection performance in a frontal crash. There are no known field incidents related to this condition.

GM's Safety Field Action Decision Authority (SFADA) decided to conduct a safety recall on December 8, 2022.

Description of Remedy :

Description of Remedy Program : Dealers will inspect the right-hand and left-hand side of the vehicle's motor rail for an incomplete weld. If the condition is found, the vehicle will be repurchased by GM.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : GM's assembly plant-initiated containment and inspection of vehicles manufactured in the suspect population on August 3, 2022, with no additional defects found. The supplier also began its containment efforts on August 3, 2022. Between August 3, 2022 and August 17, 2022, the supplier conducted inspections at both the beginning and end of the line to ensure the front frame rail was manufactured per design intent. The supplier repaired part presence sensors on tooling press for their in-process station to prevent sheet metal blanks from being improperly loaded into the die on August 17, 2022.

Recall Schedule :

Description of Recall Schedule : Dealer will be notified on December 14, 2022. Owner notification is estimated to begin on February 6, 2023. Vehicles were placed on STOP Delivery on December 9, 2022.

Planned Dealer Notification Date : DEC 14, 2022 - DEC 14, 2022

Planned Owner Notification Date : FEB 06, 2023 - FEB 06, 2023

* NR - Not Reported