U.S. Department of Transportation

National Highway Traffic Safety Administration

Part 573 Safety Recall Report 25V536

Manufacturer Name: General Motors, LLC
Submission Date: Aug 21, 2025
NHTSA Recall No.: 25V536
Manufacturer Recall No.:

Manufacturer Information

Manufacturer Name: General Motors, LLC
Address: 29427 Louis Chevrolet Road
MAIL CODE 480-210-2V
WARREN MI, 48093

Population

Total number of potentially involved: 23,656
Estimated percentage with defect: 0.1%

Vehicle Information

Vehicle 1: 2023-2023 CHEVROLET CORVETTE
Product Category: Light Vehicles
Product Type:
Fuel / Propulsion: Spark Ignition Fuel
Production Dates: May 11, 2022 - Sep 18, 2023
Number of potentially involved: 5,973
Descriptive Information:

Manufacturing records were used to identify vehicles equipped with a left-side radiator/fan combination to be included in the recall population.

Vehicles not equipped with a left-side radiator/fan combination are not affected by this recall. E-Ray trim lines do not offer cooling systems with a left-side radiator and are not affected by this recall. The left-side radiator/fan combination is not offered on Stingray models in North America.

Vehicle 2: 2024-2024 CHEVROLET CORVETTE
Product Category: Light Vehicles
Product Type:
Fuel / Propulsion: Spark Ignition Fuel
Production Dates: May 03, 2023 - Sep 10, 2024
Number of potentially involved: 9,218
Descriptive Information:

Manufacturing records were used to identify vehicles equipped with a left-side radiator/fan combination to be included in the recall population.

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Vehicles not equipped with a left-side radiator/fan combination are not affected by this recall. E-Ray trim lines do not offer cooling systems with a left-side radiator and are not affected by this recall. The left-side radiator/fan combination is not offered on Stingray models in North America.

Vehicle 3: 2025-2025 CHEVROLET CORVETTE

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Feb 13, 2024 - Jul 31, 2025

Number of potentially involved: 8,160

Descriptive Information:

Manufacturing records were used to identify vehicles equipped with a left-side radiator/fan combination to be included in the recall population.

Vehicles not equipped with a left-side radiator/fan combination are not affected by this recall. E-Ray trim lines do not offer cooling systems with a left-side radiator and are not affected by this recall. The left-side radiator/fan combination is not offered on Stingray models in North America.

Vehicle 4: 2026-2026 CHEVROLET CORVETTE

Product Category:

Product Type:

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Mar 06, 2025 - Aug 14, 2025

Number of potentially involved: 305

Descriptive Information:

Manufacturing records were used to identify vehicles equipped with a left-side radiator/fan combination to be included in the recall population.

Vehicles not equipped with a left-side radiator/fan combination are not affected by this recall. E-Ray trim lines do not offer cooling systems with a left-side radiator and are not affected by this recall. The left-side radiator/fan combination is not offered on Stingray models in North America.

Defect / Noncompliance Description

Description of the defect or noncompliance:

General Motors has decided that a defect which relates to motor vehicle safety may exist in certain 2023 – 2026 model year Chevrolet Corvette vehicles equipped with a left-side radiator/fan combination. In these vehicles, excess fuel spilled into the vehicle fuel-filler pocket during refueling may leak onto an ignition source.

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FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

If fuel contacts an ignition source, there is increased risk of a fire. To reduce the risk of the condition occurring, owners should always follow the fueling instructions in their owner's manual. Always confirm that the fuel nozzle is completely inserted into the vehicle's fuel pipe before fueling. Never overfill the tank or attempt to fill after the fuel pump's automatic shut off clicks once. Always turn off the vehicle's engine during refueling.

Description of the cause:

In vehicles equipped with a left-side radiator/fan combination, the vehicle's fuel-filler pipe and associated fuel-filler pocket (the recessed area containing the fuel-filler pipe) are positioned above a radiator surface and a cooling fan. If excess fuel is spilled into the fuel-filler pocket (particularly in cases where the refueling hose fails to automatically shut off as designed) and leaks from the pocket onto the radiator surface while the cooling fan is running, the cooling fan may draw the leaked fuel through the radiator, vaporize the fuel into the engine compartment, and expose the fuel vapor to an ignition source. A malfunctioning filling station pump is a secondary cause. Of the four field fire allegations identified by GM's investigation, two included evidence indicating that the filling station pump was malfunctioning and caused a fuel spill at the time of the incident.

Identification of any warning that can occur:

Component Manufacturer

Tier of Supplier:

Supplier Type:

Name:

Address:

Country:

Involved Components

Component Name 1: HOUSING ASM-F/TNK FIL PIPE

Component Description: Fuel Filler Pocket Assembly

Component Part Number: 86539361, 86539364

Chronology

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On June 10, 2025, a GM employee submitted a report to GM's Speak Up For Safety (SUFS) system after reading a social media post alleging that three Corvette vehicles experienced a fire while fueling during a 30-day period. On June 12, 2025, a fourth incident occurred in a GM-owned development Corvette test vehicle. GM opened a product investigation on June 17, 2025.

On June 20, 2025, GM identified a melting pattern on the secondary left-side radiator in the GM development vehicle involved in the fourth fire incident. In North America, this left-side radiator is only offered on Z06 and ZR1 model Corvettes. Every Corvette vehicle involved in the four known field fire incidents was equipped with a left-side radiator/fan combination. GM's investigation was able to inspect the left-side radiators on two of the three customer-owned vehicles that experienced a fire and confirmed the presence of similar burn patterns in both vehicles.

On July 24, 2025 and again on August 14, 2025, GM conducted physical evaluations intended to simulate conditions that may be present during a fuel-fill spill in the subject vehicles. In this evaluation, the vehicle's engine was turned off, the fan near the left-side radiator continued to run, an artificial ignition source was placed in the engine compartment, and a fuel spill was simulated by pouring 100 mL of fuel into the fill pocket. The fuel ignited and produced the same radiator burn patterns observed in the field incidents. Evaluations conducted on a vehicle that does not have a left-side radiator did not result in fuel ignition.

Customer reports, photographs, and video evidence indicates that malfunctioning filling station pumps were a contributing factor in at least two of the four field fires. Video of one incident depicts absorptive material on the ground near the filling station pump, suggesting that the pump was previously malfunctioning and leaking gas on the ground. In another case, the owner of the vehicle reported that the filling station pump did not shut off and caused a fuel spill prior to the fire.

GM's investigation identified four alleged fires that are potentially relevant to the subject condition. Two of these incidents involved minor alleged injuries. On August 14, 2025, GM's Safety Field Action Decision Authority (SFADA) decided to conduct a safety recall on Corvette vehicles equipped with a left-side radiator / fan combination.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Repair

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

Dealers will install an insert / shield to divert spilled fuel.

How remedy component differs from recalled component:

The added shield diverts spilled fuel away from surfaces behind the quarter panel.

Identify how/when recall condition was corrected in production:

Vehicles built after August 14, 2025 were held at GM's assembly plant.

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Reimbursement Plan

Description of reimbursement program:
Pursuant to 577.11, General Motors does not plan to provide notice about reimbursement to owners because a remedy was not available for this issue prior to this recall.

Period of reimbursement:

Costs to be reimbursed:

Address for reimbursement claims:

Recall Schedule

Description of recall schedule:

Dealers will be notified on August 21, 2025. Interim owner notification is estimated to begin October 6, 2025. GM will provide an estimated remedy owner notification date when available.

Planned Dealer Notification Date: Aug 21, 2025 - Aug 21, 2025 ☐ No Dealers

Planned Interim Owner Notification Date: Oct 06, 2025 - Oct 06, 2025 ☐ No Owners

Planned Remedy Owner Notification Date: ☐ Phased Recall

Date when VIN will be searchable: Aug 21, 2025