

# Part 573 Safety Recall Report

# 24V-014

**Manufacturer Name :** General Motors, LLC**Submission Date :** JAN 11, 2024**NHTSA Recall No. :** 24V-014**Manufacturer Recall No. :** N232433420**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 : 66

Estimated percentage with defect : 5 %

**Vehicle Information :**

Vehicle 1 : 2022-2022 BrightDrop EV600

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records and warranty data were used to determine the affected population.

Vehicles with front-drive units produced outside the suspect manufacturing window are not included in this recall.

Production Dates : NOV 24, 2021 - MAY 24, 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 model year BrightDrop EV600 vehicles. The front-drive units in these vehicles may contain a manufacturing defect that can, if operated in heavy-duty cycle use conditions, lead to an attended under-hood fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If an under-hood fire occurs, there is increased risk of injury.

Description of the Cause : The root cause of this condition is still under investigation, but GM's initial investigation indicates that these vehicles may contain a manufacturing defect that, in heavy-duty cycle use conditions, can allow the drive pinion to cut its way through the outboard side of the drive-unit case. If this occurs, it can result in an oil leak that in heavy-duty cycle use conditions can lead to an under-hood fire.

Identification of Any Warning that can Occur : Drivers may hear a grinding noise coming from the engine compartment.

## Involved Components :

Component Name 1 : MODULE ASM-FRT ELEC DRV TRANSAXLE

Component Description : X80 Front Drive Unit

Component Part Number : 24041528

## Supplier Identification :

### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

## Chronology :

On December 8, 2023, GM received a Speak Up For Safety (SUFS) submission regarding a reported front-drive unit fire on a 2022 BrightDrop EV600 that occurred on December 7, 2023. GM received another SUFS submission on December 13, 2023 involving a second reported drive-unit fire. GM opened a product investigation on December 22, 2023.

GM previously investigated the drive units in these vehicles and determined that a manufacturing error in a specific build window may have produced out-of-specification hardware in the front-drive unit. GM's initial inspections of the two vehicles involved in the reported fire events indicate that the drive pinion may have cut its way through the outboard side of the drive-unit case, causing an oil leak and an under-hood fire.

On January 4, 2024, GM's Safety Field Action Decision Authority (SFADA) decided to conduct a safety recall on vehicles containing front-drive units manufactured in the suspect build window. GM is continuing to investigate the root cause of these incidents.

## Description of Remedy :

Description of Remedy Program : All affected vehicles are owned by one GM fleet customer. These vehicles will be replaced per agreement with that customer. 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 vehicles will have front drive units produced outside of the suspect manufacturing window.

Identify How/When Recall Condition was Corrected in Production : NR

## Recall Schedule :

Description of Recall Schedule : Dealers will be notified on January 11, 2024. Owner notification is estimated to begin on February 15, 2024.

Planned Dealer Notification Date : JAN 11, 2024 - JAN 11, 2024

Planned Owner Notification Date : FEB 15, 2024 - FEB 15, 2024

\* NR - Not Reported