



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V766

Manufacturer Name: Chrysler (FCA US, LLC)

Submission Date: Nov 06, 2025

NHTSA Recall No.: 25V766

Manufacturer Recall No.: 78C

Manufacturer Information

Population

Manufacturer Name: Chrysler (FCA US, LLC)

Address: 800 Chrysler Drive
CIMS 482-00-91
Auburn Hills MI, 48326-
2757

Total number of potentially involved: 112,859

Estimated percentage with defect: 100%

Vehicle Information

Vehicle 1: 2023-2025 JEEP GRAND CHEROKEE 4XE

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion: Plug-In Hybrid

Production Dates: Jul 19, 2023 - Mar 03, 2025

Number of potentially involved: 36,840

Descriptive Information:

Some 2023-2025MY Jeep Grand Cherokee Plug-In Hybrid Electric Vehicles ("PHEVs") may have been built with an engine which may be contaminated with sand from the casting process.

The suspect vehicle population began on July 19, 2023, when production of Jeep Grand Cherokee PHEVs with suspect engines began, and concluded on March 3, 2025, when production of Jeep Grand Cherokee PHEVs with suspect engines ended. Engine and vehicle manufacturing records were used to determine the suspect vehicle production period.

Similar vehicles not included in this recall are not PHEVs or are PHEVs not built with suspect engines.

Vehicle 2: 2024-2025 JEEP WRANGLER 4XE

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion: Plug-In Hybrid

Production Dates: Jun 07, 2023 - Mar 04, 2025

Number of potentially involved: 76,019

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Descriptive Information:

Some 2023-2025MY Jeep Wrangler PHEVs may have been built with an engine which may be contaminated with sand from the casting process.

The suspect vehicle population began on June 7, 2023, when production of Jeep Wrangler PHEVs with suspect engines began, and concluded on March 4, 2025, when production of Jeep Wrangler PHEVs with suspect engines ended. Engine and vehicle manufacturing records were used to determine the suspect vehicle production period.

Similar vehicles not included in this recall are not PHEVs or are PHEVs not built with suspect engines.

Defect / Noncompliance Description

Description of the defect or noncompliance:

Sand from the casting process can contaminate internal engine components, leading to a catastrophic engine failure, which can result in a vehicle fire or an unexpected and unrecoverable loss of propulsion.

FMVSS1:

FMVSS2:

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

A vehicle fire can result in increased risk of occupant injury and/or injury to persons outside the vehicle, as well as property damage. A loss of propulsion may result in a vehicle crash without prior warning.

Description of the cause:

Identification of any warning that can occur:

Customers may experience a knocking noise from the engine compartment and/or a malfunction indicator lamp ("MIL") prior to catastrophic failure.

Component Manufacturer

Tier of Supplier:

Supplier Type:

Name: Nemak

Address: Libramiento Arco Vial Km. 3.8
Garca Nuevo Len Foreign States, 66000

Country: Mexico

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Involved Components

Component Name 1: Engine block**Component Description:** Engine block**Component Part Number:** 68412483AF, 68364632CB

Chronology

- On May 22, 2025, the FCA US LLC ("FCA US") Technical Safety and Regulatory Compliance ("TSRC") organization opened an investigation after receiving an increase in engine compartment fires and loss of propulsion incidents in certain WL PHEVs and JL PHEVs.
- Between May 2025, and August 2025, FCA US has analyzed available vehicle data such as warranty claims, repair orders, and field incidents to determine root cause. FCA US has also conducted multiple engine teardowns and determined the presence of sand within the engine block. FCA US identified a period of time between June 2023 and March 2024 at the engine block supplier, where the engines were not properly cleaned following the casting process. All reports of engine compartment fires and loss of propulsion incidents have engines built during this suspect window.
- In August 2025, FCA US determined the root cause of the engine compartment fires to be a catastrophic engine failure due to sand contamination within the engine block. FCA US also identified multiple reports of loss of propulsion, all of which experienced an engine failure.
- As of October 20, 2025, FCA US is aware of 36 customer assistance records, 144 warranty claims, 36 fires and 50 loss of propulsion field reports, and 50 other service records potentially relating to this issue for all markets with dates of receipt ranging from January 24, 2024, to August 29, 2025.
- As of October 20, 2025, FCA US is aware of 3 injuries and 0 accidents potentially related to this issue for all markets.
- On October 30, 2025, FCA US determined, through the Vehicle Regulations Committee, that a safety defect exists in certain vehicles.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type:**Consumer Advisories:** ☐ Do Not Drive ☐ Park Outside**Description of remedy program:**

FCA US will conduct a voluntary safety recall on all affected vehicles. The remedy is under

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development.

How remedy component differs from recalled component:

The remedy is under development.

Identify how/when recall condition was corrected in production:

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Recall Schedule

Description of recall schedule:

****11/06/2025:** FCA US will notify dealers on or about 11/13/2025 and begin notifying owners on or about 12/29/2025.

Planned Dealer Notification Date: Nov 13, 2025 - Nov 13, 2025

☐ No Dealers

Planned Interim Owner Notification Date: Dec 29, 2025 - Dec 31, 2025

☐ No Owners

Planned Remedy Owner Notification Date:

☐ Phased Recall

Date when VIN will be searchable: Nov 13, 2025