U.S. Department of Transportation

National Highway Traffic Safety Administration

Part 573 Safety Recall Report 25V455

Manufacturer Name: Ford Motor Company
Submission Date: Jul 11, 2025
NHTSA Recall No.: 25V455
Manufacturer Recall No.: 25S75

Manufacturer Information

Manufacturer Name: Ford Motor Company
Address: 330 Town Center Drive
Suite 500
Dearborn MI, 48126-2738

Population

Total number of potentially involved: 850,318
Estimated percentage with defect: 10%

Vehicle Information

Vehicle 1: 2021-2023 FORD F-450 SD
Product Category: Buses, Medium & Heavy Vehicles
Product Type: Truck
Fuel / Propulsion:
Production Dates: Jul 01, 2021 - Jul 31, 2022
Number of potentially involved: 4,393
Descriptive Information:

Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing Fuel Delivery Module (FDM) production to the vehicle in which the low-pressure fuel pump and jet pump is installed.

These vehicles are not produced in VIN order. Information as to the applicability of this action to specific vehicles can best be obtained by either calling Ford's toll-free line (1-866-436-7332) or by contacting a local Ford or Lincoln dealer who can obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

Powertrain: 6.2L, 6.8L, 7.3L

- 4,393 Ford F-450 SD vehicles are affected.

Vehicle 2: 2021-2022 FORD MUSTANG
Product Category: Light Vehicles
Product Type: Passenger Car
Fuel / Propulsion:
Production Dates: Jul 01, 2021 - Jul 31, 2022
Number of potentially involved: 24,790

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Descriptive Information:

Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing Fuel Delivery Module (FDM) production to the vehicle in which the low-pressure fuel pump and jet pump is installed.

These vehicles are not produced in VIN order. Information as to the applicability of this action to specific vehicles can best be obtained by either calling Ford's toll-free line (1-866-436-7332) or by contacting a local Ford or Lincoln dealer who can obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

Powertrain: 5.0L

- 24,790 Ford Mustang vehicles are affected.

Vehicle 3: 2021-2023 FORD F-350 SD

Product Category: Light Vehicles

Product Type: Light Truck

Fuel / Propulsion:

Production Dates: Jul 01, 2021 - Jul 31, 2022

Number of potentially involved: 30,781

Descriptive Information:

Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing Fuel Delivery Module (FDM) production to the vehicle in which the low-pressure fuel pump and jet pump is installed.

These vehicles are not produced in VIN order. Information as to the applicability of this action to specific vehicles can best be obtained by either calling Ford's toll-free line (1-866-436-7332) or by contacting a local Ford or Lincoln dealer who can obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

Powertrain: 6.2L, 6.8L, 7.3L

- 30,781 Ford F-350 SD vehicles are affected.

Vehicle 4: 2021-2022 FORD F-150

Product Category: Light Vehicles

Product Type: Light Truck

Fuel / Propulsion:

Production Dates: Jul 01, 2021 - Jul 31, 2022

Number of potentially involved: 455,261

Descriptive Information:

Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing Fuel Delivery Module (FDM) production to the vehicle in which the low-pressure fuel pump and jet pump is installed.

These vehicles are not produced in VIN order. Information as to the applicability of this action to specific vehicles can best be obtained by either calling Ford's toll-free line (1-866-436-7332) or by

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contacting a local Ford or Lincoln dealer who can obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

Powertrain: 2.7L, 3.3L, 3.5L, 5.0L

- 455,261 Ford F-150 vehicles are affected.

Vehicle 5: 2021-2023 FORD F-550 SD

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion:

Production Dates: Jul 01, 2021 - Jul 31, 2022

Number of potentially involved: 5,039

Descriptive Information:

Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing Fuel Delivery Module (FDM) production to the vehicle in which the low-pressure fuel pump and jet pump is installed.

These vehicles are not produced in VIN order. Information as to the applicability of this action to specific vehicles can best be obtained by either calling Ford's toll-free line (1-866-436-7332) or by contacting a local Ford or Lincoln dealer who can obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

Powertrain: 6.2L, 6.8L, 7.3L

- 5,039 Ford F-550 SD vehicles are affected.

Vehicle 6: 2021-2022 LINCOLN NAVIGATOR

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion:

Production Dates: Jul 01, 2021 - Jul 31, 2022

Number of potentially involved: 14,358

Descriptive Information:

Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing Fuel Delivery Module (FDM) production to the vehicle in which the low-pressure fuel pump and jet pump is installed.

These vehicles are not produced in VIN order. Information as to the applicability of this action to specific vehicles can best be obtained by either calling Ford's toll-free line (1-866-436-7332) or by contacting a local Ford or Lincoln dealer who can obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

- 14,358 Lincoln Navigator vehicles are affected.

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Vehicle 7: 2021-2023 LINCOLN AVIATOR

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion:

Production Dates: Jul 01, 2021 - Dec 21, 2022

Number of potentially involved: 24,073

Descriptive Information:

Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing Fuel Delivery Module (FDM) production to the vehicle in which the low-pressure fuel pump and jet pump is installed.

These vehicles are not produced in VIN order. Information as to the applicability of this action to specific vehicles can best be obtained by either calling Ford's toll-free line (1-866-436-7332) or by contacting a local Ford or Lincoln dealer who can obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

- 24,073 Lincoln Aviator vehicles are affected.

Vehicle 8: 2022-2022 FORD EXPEDITION

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion:

Production Dates: Jul 01, 2021 - Jul 31, 2022

Number of potentially involved: 32,470

Descriptive Information:

Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing Fuel Delivery Module (FDM) production to the vehicle in which the low-pressure fuel pump and jet pump is installed.

These vehicles are not produced in VIN order. Information as to the applicability of this action to specific vehicles can best be obtained by either calling Ford's toll-free line (1-866-436-7332) or by contacting a local Ford or Lincoln dealer who can obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

- 32,470 Ford Expedition vehicles are affected.

Vehicle 9: 2021-2023 FORD BRONCO

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion:

Production Dates: Jul 01, 2021 - Jul 30, 2022

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Number of potentially involved: 109,881

Descriptive Information:

Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing Fuel Delivery Module (FDM) production to the vehicle in which the low-pressure fuel pump and jet pump is installed.

These vehicles are not produced in VIN order. Information as to the applicability of this action to specific vehicles can best be obtained by either calling Ford's toll-free line (1-866-436-7332) or by contacting a local Ford or Lincoln dealer who can obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

- 109,881 Ford Bronco vehicles are affected.

Vehicle 10: 2021-2023 FORD F-250 SD

Product Category: Light Vehicles

Product Type: Light Truck

Fuel / Propulsion:

Production Dates: Jul 01, 2021 - Jul 31, 2022

Number of potentially involved: 73,183

Descriptive Information:

Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing Fuel Delivery Module (FDM) production to the vehicle in which the low-pressure fuel pump and jet pump is installed.

These vehicles are not produced in VIN order. Information as to the applicability of this action to specific vehicles can best be obtained by either calling Ford's toll-free line (1-866-436-7332) or by contacting a local Ford or Lincoln dealer who can obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

Powertrain: 6.2L, 6.8L, 7.3L

- 73.183 Ford F-250 SD vehicles are affected.

Vehicle 11: 2021-2023 FORD EXPLORER

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion:

Production Dates: Jul 01, 2021 - Jul 31, 2022

Number of potentially involved: 76,089

Descriptive Information:

Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing Fuel Delivery Module (FDM) production to the vehicle in which the low-pressure fuel pump and jet pump is installed.

These vehicles are not produced in VIN order. Information as to the applicability of this action to specific vehicles can best be obtained by either calling Ford's toll-free line (1-866-436-7332) or by

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contacting a local Ford or Lincoln dealer who can obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

Powertrain: 3.0L, 3.3L

- 76,089 Ford Explorer vehicles are affected.

Defect / Noncompliance Description

Description of the defect or noncompliance:

The affected vehicles may lose fuel pressure and flow from the fuel delivery module due to failure of the low-pressure fuel pump. This can cause a lack of fuel delivery to the engine and result in an engine stall while driving.

FMVSS1:

FMVSS2:

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

Fuel pump failure can result in an engine stall while driving, increasing the risk of a crash.

Description of the cause:

Loss of fuel pressure and flow from the low-pressure fuel pump can be due to internal contamination of the jet pump, specifically in low fuel conditions, and reduced fuel pump internal clearances that result in an increase of internal friction and sensitivity to vapor lock.

Identification of any warning that can occur:

Prior to fuel pump failure, the customer may experience poor engine performance (misfiring or running rough), a check engine light, or a reduction in engine power. Fuel pump failure is more likely to occur in low fuel or warm weather and hot fuel conditions in the fuel tank.

Component Manufacturer

Tier of Supplier: Tier 2

Supplier Type: Other

Name: Phinia, Inc

Address: Av. Industrias 4907
Zona Ind Nombre de Dios
Chihuahua Foreign States, 31110

Country: Mexico

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Involved Components

Component Name 1: SDR & PMP ASY FU/TNK
Component Description: Fuel Delivery Module – Ford Super Duty
Component Part Number: LC34-9H307-** And PC34-9H307-**

Component Name 2: SDR & PMP ASY FU/TNK
Component Description: Fuel Delivery Module – Ford Mustang
Component Part Number: JR3C-9H307-**

Component Name 3: SDR & PMP ASY FU/TNK
Component Description: Fuel Delivery Module – Ford Bronco
Component Part Number: MB3G-9H307-**

Component Name 4: SDR & PMP ASY FU/TNK
Component Description: Fuel Delivery Module – Ford Explorer / Lincoln Aviator
Component Part Number: L1M3-9H307-**

Component Name 5: SDR & PMP ASY FU/TNK
Component Description: Fuel Delivery Module – Ford Expedition / Lincoln Navigator
Component Part Number: NL14-9H307-**

Chronology

In September 2022, Ford's Critical Concern Review Group (CCRG) opened an investigation into an increase in warranty claims and part returns related to Fuel Delivery Modules (FDM) on certain 2021-2022 Model Year (MY) vehicles. The FDMs on these vehicles contained a specific variant of low-pressure fuel pump and jet pump.

Teardown analysis indicated that jet pump orifices on some returned parts were blocked by contamination. The source of contamination was not confirmed. The CCRG reviewed the available warranty data and noted that the rate of failures had decreased significantly after the supplier implemented several corrective actions from December 2021 through September 2022 to reduce contamination and production variation.

In July 2023, the CCRG reviewed the warranty data after the monitor period to confirm that the supplier's corrective actions had successfully resolved this concern in the field. Based on the available warranty data, Ford closed the investigation because the field data showed that the rate of failures was

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low and the failure could be progressive in nature. Ford was not aware of any accidents, fires, injuries or property damage attributed to failure of the FDM.

On July 29, 2024, the National Highway Traffic Safety Administration (NHTSA) opened Preliminary Evaluation (PE) 24-019 in response to six consumer complaints alleging loss of motive power as a result of low-pressure fuel pump failure in 2021 MY Ford Bronco vehicles. Ford's response was provided on September 23, 2024.

On April 3, 2025, Ford's Critical Concern Review Group (CCRG) opened an investigation to update the warranty claims, field reports and affected population associated with PE24-019. On May 22, 2025, the CCRG determined that the number of warranty claims had increased during summer months and in warm weather states. Connected vehicle data was utilized to further understand the conditions, such as fuel tank fill levels and diagnostic trouble codes, leading to further understanding of the root cause.

On June 9, 2025, the CCRG reviewed vehicle production dates for warranty claims to determine whether something had changed in the supplier's manufacturing process. The CCRG discovered that vehicles were all produced between July 2021 and July 2022. On June 9, 2025, through June 10, 2025, Ford Product Development (PD) and Ford Supplier Technical Assistance (STA) conducted a review of the supplier's manufacturing process for the parts used on these vehicles. Ford found that the supplier had made changes to the jet pump process to accommodate an increase in build complexity in June 2021 and identified that a tier 3 supplier for the GEN 4.6 fuel pump pumping chamber was not statistically capable for internal clearances and utilizing the full tolerance range of the supplier specifications. The low clearances resulted in an increase of internal friction and sensitivity to vapor lock beginning in early July 2021.

As of June 6, 2025, 1,860 warranty claims (received from September 2, 2021 to May 31, 2025) have been identified related to the investigation. As of June 24, 2025, 28 field reports (received from January 5, 2022 to March 31, 2025) and 57 customer service reports (received from October 18, 2021 to May 22, 2025) have been identified related to the concern. Vehicles produced from July 1, 2021, through July 31, 2022, have a projected fuel delivery module failure rate of 8.9 R/1000 at 10 years/150,000 miles of vehicle service.

On **June 30, 2025,** Ford's Field Review Committee reviewed the concern and approved a field action.

Ford is not aware of any reports of accident or injury related to this condition.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Repair

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

The remedy is under development. When the remedy is available, owners will be notified by mail and instructed to take their vehicle to a Ford or Lincoln dealer to have the remedy performed. There will be no charge for this service.

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How remedy component differs from recalled component:

The remedy is under development.

Identify how/when recall condition was corrected in production:

Not required per 49 Part 573.

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Recall Schedule

Description of recall schedule:

Notification to dealers is expected to occur on July 8, 2025. Mailing of interim owner notification letters is expected to begin July 14, 2025, and is expected to be completed by July 18, 2025. Mailing of remedy owner notification letters is not yet known as the remedy for this recall is still under development. The date VINs are planned to be searchable is July 8, 2025.

Planned Dealer Notification Date: Jul 08, 2025 - Jul 08, 2025

☐ No Dealers

Planned Interim Owner Notification Date: Jul 14, 2025 - Jul 18, 2025

☐ No Owners

Planned Remedy Owner Notification Date:

☐ Phased Recall

Date when VIN will be searchable: Jul 08, 2025