



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

24V851

Manufacturer Name: Ford Motor Company

Submission Date: Jul 25, 2025

NHTSA Recall No.: 24V851

Manufacturer Recall No.: 24S70

Manufacturer Information

Population

Manufacturer Name: Ford Motor Company

Address: 330 Town Center Drive
Suite 500
Dearborn MI, 48126-2738

Total number of potentially involved: 2,490

Estimated percentage with defect: 10%

Vehicle Information

Vehicle 1: 2024-2025 Ford F-150

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Sep 12, 2024 - Oct 08, 2024

Number of potentially involved:

Descriptive Information:

Ford's team reviewed plant records to determine the population of affected parts. The Ford process is capable of tracing engine production to the vehicle in which the engine is installed. Affected vehicles are equipped with a 3.5L GTDI engine that may have a misaligned cup plug.

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.

1,769 Ford F-150 vehicles are affected.

Vehicle 2: 2024-2024 Ford Expedition

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Sep 23, 2024 - Oct 06, 2024

Number of potentially involved:

Descriptive Information:

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Ford's team reviewed plant records to determine the population of affected parts. The Ford process is capable of tracing engine production to the vehicle in which the engine is installed. Affected vehicles are equipped with a 3.5L GTDI engine that may have a misaligned cup plug.

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.

687 Ford Expedition vehicles are affected.

Vehicle 3: 2024-2024 Lincoln Navigator

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Sep 24, 2024 - Sep 27, 2024

Number of potentially involved:

Descriptive Information:

Ford's team reviewed plant records to determine the population of affected parts. The Ford process is capable of tracing engine production to the vehicle in which the engine is installed. Affected vehicles are equipped with a 3.5L GTDI engine that may have a misaligned cup plug.

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.

34 Lincoln Navigator vehicles are affected.

Defect / Noncompliance Description

Description of the defect or noncompliance:

Engines in affected vehicles may have a misaligned engine cup plug at the rear of the engine, which may result in a rapid oil leak.

FMVSS1:

FMVSS2:

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

An oil leak in the presence of an ignition source such as hot engine or exhaust components, can increase the risk of a fire. In addition, the loss of oil can result in loss of motive power, increasing the risk of a crash.

Description of the cause:

The engine cup plug hydraulic insertion press was misaligned, resulting in cup plug distortion during

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assembly and reduced the interface retention of the cup plug to the cylinder head bore.

Identification of any warning that can occur:

The customer may receive a low oil pressure warning light in the instrument cluster, accompanied by reduced engine power. The customer may notice an oil leak, burning smell, white smoke, or noise from the engine compartment.

Component Manufacturer

Tier of Supplier:**Supplier Type:****Name:** Ford Motor Company**Address:** 1 American Road
Dearborn MI, 48126**Country:** United States

Involved Components

Component Name 1: Plug Exp Cup 13 STL**Component Description:** 13mm Carbon Steel Cup Plug**Component Part Number:** W716208-S900

Chronology

October 2024

On October 8, 2024, an issue pertaining to a 3.5L GTDI engine cup plug leak was brought to Ford's Critical Concern Review Group (CCRG) for review following a report from Kansas City Assembly Plant that a 2024 Model Year F-150 vehicle equipped with a 3.5L GTDI engine experienced a sudden large-volume loss of engine oil during a vehicle evaluation at the assembly plant. Initial inspection of the engine indicated that the 13mm cup plug at the rear of the engine on the exhaust side had been expelled from the right-hand cylinder head.

Ford transported the engine to Cleveland Engine Plant for teardown and analysis. The teardown analysis verified that the cup plug bore was not damaged and the dimensions of the cylinder head hole were correct. Ford's examination of the cup plug indicated that the cup plug was off-center when it was pressed into the cylinder head bore. The CCRG investigation found that the engine cup plug hydraulic insertion press was misaligned by approximately 1.5 mm to the cylinder head bore.

The CCRG determined that the misalignment occurred during maintenance of the cylinder head assembly line station that occurred between September 9, 2024 and September 16, 2024. Cleveland Engine Plant verified proper cup plug press alignment of all other stations on October 6, 2024.

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As of October 30, 2024, Ford is not aware of any warranty claims, field or customer reports associated with this concern.

On **November 1, 2024**, 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.

Amendment to Chronology:

On December 9, 2024, Ford was made aware of a fire that occurred on a 2024 MY F-150 during a dealer test drive and later determined the fire was due to an expelled cup plug from the right-hand cylinder head. On February 6, 2025, Ford confirmed that a second vehicle fire occurred due to an expelled cup plug that occurred shortly after vehicle delivery to a customer.

Both vehicles were originally held as part of Ford's stop ship containment of potentially affected vehicles and were released to the selling dealerships after the vehicles passed an engine cup plug inspection.

On **February 20, 2025**, Ford's Technical Review Group (TRG) reviewed the concern and approved to re-open 24S70 for any vehicles contained in the stop-ship that passed the engine cup-plug inspection.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Inspect, Repair

Consumer Advisories: Do Not Drive Park Outside

Description of remedy program:

Owners will be notified by mail and instructed to take their vehicle to a Ford or Lincoln dealer to inspect the cylinder head cup plug for misalignment using a pin gauge. If the inspection determines cup plug misalignment, dealers will install a new cup plug, following the technical instructions. There will be no charge for this service.

Ford provided the general reimbursement plan for the cost of remedies paid for by vehicle owners prior to notification of a safety recall in May 2023. Owners who have paid to have these repairs completed at their own expense may be eligible for reimbursement, in accordance with the recall reimbursement plan on file with NHTSA.

How remedy component differs from recalled component:

The engine cup plug will be inspected, and if not meeting the inspection criteria, a new cup plug (W723368-S437U) will be installed with the proper alignment.

Identify how/when recall condition was corrected in production:

Not required per 49 Part 573.

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Reimbursement Plan

Description of reimbursement program:

Period of reimbursement:

Costs to be reimbursed:

Address for reimbursement claims:

Recall Schedule

Description of recall schedule:

Notification to dealers is expected to occur on November 13, 2024. Mailing of owner notification letters is expected to begin December 2, 2024, and is expected to be completed by December 6, 2024.

Planned Dealer Notification Date: Nov 13, 2024 - Nov 13, 2024 No Dealers

Planned Interim Owner Notification Date: No Owners

Planned Remedy Owner Notification Date: Dec 02, 2024 - Dec 06, 2024 Phased Recall

Date when VIN will be searchable: