

# Part 573 Safety Recall Report

# 24V-851

**Manufacturer Name :** Ford Motor Company**Submission Date :** DEC 20, 2024**NHTSA Recall No. :** 24V-851**Manufacturer Recall No. :** 24S70**Manufacturer Information :**

Manufacturer Name : Ford Motor Company

Address : 330 Town Center Drive

Suite 500 Dearborn MI 48126-2738

Company phone : 1-866-436-7332

**Population :**

Number of potentially involved : 2,490

Estimated percentage with defect : 10 %

**Vehicle Information :**

Vehicle 1 : 2024-2025 Ford F-150

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

**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.

Production Dates : SEP 12, 2024 - OCT 08, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2024-2024 Ford Expedition

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

**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.

687 Ford Expedition vehicles are affected.

Production Dates : SEP 23, 2024 - OCT 06, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2024-2024 Lincoln Navigator

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

**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.

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

VIN Range 1 : Begin :

NR

End : NR

Not sequential

## Description of Defect :

**Description of the Defect :** 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.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** 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 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.

## Involved Components :

**Component Name 1 :** Plug Exp Cup 13 STL

**Component Description :** 13mm Carbon Steel Cup Plug

**Component Part Number :** W716208-S900

## Supplier Identification :

### Component Manufacturer

**Name :** Ford Motor Company

**Address :** 1 American Road

Dearborn Michigan 48126

**Country :** United States

## 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.

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.

## Description of Remedy :

**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.

## 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

**Planned Owner Notification Date :** DEC 02, 2024 - DEC 06, 2024

\* NR - Not Reported