

Part 573 Safety Recall Report

25V-198

Manufacturer Name : Ford Motor Company**Submission Date :** MAR 28, 2025**NHTSA Recall No. :** 25V-198**Manufacturer Recall No. :** 25S30**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 :** 4,163**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 Online Automotive Service Information System (OASIS) database.

3,072 Ford F-150 vehicles are affected.

Production Dates : SEP 12, 2024 - JAN 30, 2025**VIN Range 1 : Begin :**

NR

End : NR☐ Not sequential

Vehicle 2 : 2024-2025 Ford Expedition
Vehicle Type : LIGHT VEHICLES
Body Style : ALL
Power Train : GAS

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995 Ford Expedition vehicles are affected.

Production Dates : SEP 23, 2024 - FEB 09, 2025
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

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96 Lincoln Navigator vehicles are affected.

Production Dates : SEP 24, 2024 - OCT 16, 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 side or 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 reduction of 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 :

On February 6, 2025, 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 warranty report for a vehicle with a 13 mm cup plug dislodged from the right-hand side cylinder head, resulting in a loss of motive power and subsequent engine failure.

Ford’s investigation determined that the root cause of the engine failure was due to the misalignment of the cup plug in cylinder head hole 431, which led to deformation during the pressing operation. The misalignment occurred during maintenance of the cylinder head assembly line station that occurred starting on September 9, 2024, and was corrected when Cleveland Engine Plant verified proper cup plug press alignment of all stations on October 6, 2024.

As of March 18, 2025, Ford is aware of two warranty reports (received January 21, 2025, and February 10, 2025) for vehicles with an expelled 13 mm cup plug from hole 431. Ford received an associated field report for both of these vehicles, received January 16, 2025, and December 5, 2024, respectively. Additionally, Ford is aware of three warranty claims for a leaking hole 431 cup plug, received on January 2, 2025, January 21, 2025, and March 7, 2025.

As part of this investigation, another 13 mm cup plug, assembled in the right-hand side cylinder head and referred to as hole 641, was identified that may also have been affected by the maintenance event on September 9, 2024 and subsequent realignment on October 6, 2024. Ford is not aware of any warranty claims, field or customer reports associated with this hole position.

On March 21, 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.

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 inspect the 13 mm cylinder head cup plugs (holes 431 and 641) for misalignment through the wheel well and in the engine compartment using a special service kit and instructions. Dealers will install a secondary shorter 13 mm cup plug for any hole position that fails the cup plug inspection process. 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 plugs will be inspected, and if not meeting the inspection criteria, new cup plug(s) (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 March 31, 2025. Mailing of owner notification letters is expected to begin May 26, 2025 and is expected to be completed by May 30, 2025.
Planned Dealer Notification Date :	MAR 31, 2025 - MAR 31, 2025
Planned Owner Notification Date :	MAY 26, 2025 - MAY 30, 2025

* NR - Not Reported