

Part 573 Safety Recall Report

25V-236

Manufacturer Name : Ford Motor Company

Submission Date : APR 11, 2025

NHTSA Recall No. : 25V-236

Manufacturer Recall No. : 25S37



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 : 123,611

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2017-2018 Ford F-150

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Ford's team reviewed supplier process and maintenance records to determine the population of affected parts.

Affected vehicles are equipped with 3.5L Ecoboost engines.

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.

87,738 F-150 vehicles are affected.

Production Dates : FEB 01, 2017 - JUN 30, 2017

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 2 : 2017-2018 Ford Expedition

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Ford's team reviewed supplier process and maintenance records to determine the population of affected parts.

Affected vehicles are equipped with 3.5L Ecoboost engines.

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.

30,200 Expedition vehicles are affected.

Production Dates : FEB 01, 2017 - JUN 30, 2017

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2017-2018 Lincoln Navigator

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Ford's team reviewed supplier process and maintenance records to determine the population of affected parts.

Affected vehicles are equipped with 3.5L Ecoboost engines.

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.

5,673 Navigator vehicles are affected.

Production Dates : FEB 01, 2017 - JUN 30, 2017

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : In some of the affected vehicles, the brake master cylinder may allow brake fluid to leak from the brake master cylinder front wheel circuit into the brake booster.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A substantial loss of brake fluid can reduce brake function to the front wheels. Reduced brake function in the front wheels can extend stopping distance, increasing the risk of a crash.

Description of the Cause : Investigation of field return parts found the causes of the brake fluid leak to be brake fluid contamination that could interfere with rear cup seal function or, to a lesser extent, rolling of the rearmost cup seal in the master cylinder.

Identification of Any Warning that can Occur : If the brake fluid in the reservoir is depleted to a predetermined level, the driver will receive an audible chime, a message center alert, and a red brake warning indicator in the instrument cluster. If the driver continues to operate the vehicle, the driver may begin to experience a change in brake pedal travel and feel, and increased pedal effort.

Involved Components :

Component Name 1 : F-150 Brake Master Cylinder

Component Description : Brake Master Cylinder

Component Part Number : HL34-2A032-AA

Component Name 2 : Expedition/Navigator Brake Master Cylinder

Component Description : Brake Master Cylinder

Component Part Number : GL14-2A032-AA

Supplier Identification :**Component Manufacturer**

Name : Hitachi Astemo Americas

Address : 34500 Grand River Avenue
Farmington Hills Michigan 48335

Country : United States

Chronology :

On February 6, 2025, an issue pertaining to Ford Expedition Brake Master Cylinders was brought to Ford's Critical Concern Group (CCRG) for review. On January 15, 2025, the National Highway Traffic Safety Administration (NHTSA) had contacted Ford regarding Vehicle Owner Questionnaires (VOQs). NHTSA had received VOQs alleging brake fluid leakage into the brake booster on certain 2017 model year Ford Expedition vehicles. NHTSA also inquired if this condition could be related to prior Ford recall 22S11 (NHTSA FSA 22V-150). Ford decided to bring this concern in to CCRG for further investigation after analyzing these VOQs and providing its response to the agency on January 30, 2025.

Throughout February and March, Ford completed a comprehensive data update for both warranty and field reports as well as VOQ reports related to this concern. This data shows an elevated rate of warranty repairs and VOQ reports for Expedition and Navigator vehicles produced after January 31, 2017, when FSA 22S11 concluded, extending through June 2017. Ford found no evidence of an elevated trend in F-150 vehicles produced within this same time period, however, Ford is unable to establish a rationale for this difference in field performance.

As of January 31, 2025, Ford is aware of 73 warranty claims for Expedition or Navigator vehicles produced between February 1, 2017 and June 30, 2017. These claims were received between March 16, 2018 and September 28, 2024. Ford is also aware of 17 warranty claims for F-150 vehicles produced between February 1, 2017 and June 30, 2017. These claims were received between August 23, 2017 and April 12, 2024.

On April 4, 2025, Ford's Field Review Committee reviewed the concern and approved a field action.

Ford is not aware of any reports of accident, injury, or fire 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 have the brake master cylinder replaced. In addition, the brake booster will be replaced if the brake master cylinder is leaking. 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 : Replacement master cylinders (HL14-2A032-AD) were produced after the supplier made additional improvement actions.

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 April 14, 2025. Mailing of owner notification letters is expected to begin April 28, 2025 and is expected to be completed by May 2, 2025.

Planned Dealer Notification Date : APR 14, 2025 - APR 14, 2025

Planned Owner Notification Date : APR 28, 2025 - MAY 02, 2025

* NR - Not Reported