

Part 573 Safety Recall Report

22V-150

Manufacturer Name : Ford Motor Company**Submission Date :** MAR 21, 2022**NHTSA Recall No. :** 22V-150**Manufacturer Recall No. :** 22S11**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 : 195,864

Estimated percentage with defect : 3 %

Vehicle Information :

Vehicle 1 : 2016-2018 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.

90,010 F-150 vehicles are affected

Production Dates : AUG 02, 2016 - JAN 31, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2016-2017 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.

90,055 Expedition vehicles are affected

Production Dates : JUL 20, 2015 - JAN 31, 2017

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2016-2017 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.

15,499 Navigator vehicles are affected

Production Dates : JUL 20, 2015 - JAN 31, 2017

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : 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 : If the brake fluid in the reservoir is depleted to a predetermined level, the driver will receive an audible chime, message center alert, and red brake warning indicator in the instrument cluster. Braking ability still would be unchanged at that time. If the driver continues to operate the vehicle, the drive may begin to experience a change in brake pedal travel and feel, and increased pedal effort. If a loss of brake fluid is substantial enough to reduce brake function to the front wheels, full braking function would remain in the rear wheel circuit. However, 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.

Involved Components :

Component Name 1 : Brake Master Cylinder

Component Description : Brake Master Cylinder

Component Part Number : F-150 = JL34-2A032-AC, Expedition/Navigator = HL14-2A032-AA

Supplier Identification :

Component Manufacturer

Name : Hitachi Automotive Systems

Address : 34500 Grand River Avenue
Farmington Hills Michigan 48335

Country : United States

Chronology :

Chronology is provided as an attachment

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 2021. The ending date for reimbursement eligibility is May 13, 2022.

Ford will forward a copy of the notification letters to dealers to the agency when available.

How Remedy Component Differs from Recalled Component : Replacement master cylinders were produced after the supplier made additional improvement actions.

Component Name: Brake Master Cylinder
Component Description: Brake Master Cylinder
Component Part Number: F-150 = JL34-2A032-AC
Expedition/Navigator =

HL14-2A032-AA

Identify How/When Recall Condition was Corrected in Production : N/A

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on March 15, 2022. Mailing of owner notification letters is expected to begin April 25, 2022 and is expected to be completed by April 29, 2022.

Planned Dealer Notification Date : MAR 15, 2022 - MAR 15, 2022

Planned Owner Notification Date : APR 25, 2022 - APR 29, 2022

* NR - Not Reported