

# Part 573 Safety Recall Report

# 20V-332

**Manufacturer Name :** Ford Motor Company**Submission Date :** JUN 08, 2020**NHTSA Recall No. :** 20V-332**Manufacturer Recall No. :** 20S31**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 : 292,311

Estimated percentage with defect : 3 %

**Vehicle Information :**

Vehicle 1 : 2014-2017 Ford F-150

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : 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.

Production Dates : SEP 01, 2014 - AUG 01, 2016

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 : Depending on the amount of brake fluid loss from the brake master cylinder front wheel circuit into the brake booster, the driver will receive an audible chime, message center alert, red brake warning indicator in the instrument cluster, and 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 :** In the event that a sufficient loss of brake fluid occurs, the driver will receive an audible chime, message center alert, and a red brake warning indicator in the instrument cluster; all indicating that brake system service is required. These indicators are activated whenever the brake fluid in the reservoir is depleted to a predetermined level.

## Involved Components :

**Component Name 1 :** Brake Master Cylinder

**Component Description :** Brake Master Cylinder

**Component Part Number :** EL34-2C156-BF for 2014MY

**Component Name 2 :** Brake Master Cylinder

**Component Description :** Brake Master Cylinder

**Component Part Number :** JL34-2A32-AC for 2015-2017MY

## 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 February 2019. The ending date for reimbursement eligibility is July 17, 2020.

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 have a silicone lubricant added as a continuous improvement action.

Component Name: Brake Master Cylinder  
Component Description: Brake Master Cylinder  
Component Part Number: EL34-2C156-BF = 2014MY  
JL34-2A32-AC = 2015-2017MY

Identify How/When Recall Condition was Corrected in Production : On August 1, 2016, application of a silicone lubricant was added to the master cylinder seal as a continuous improvement corrective action.

**Recall Schedule :**

Description of Recall Schedule : Notification to dealers is expected to occur on June 9, 2020. Mailing of owner notification letters is expected to begin June 29, 2020 and is expected to be completed by July 3, 2020.

Planned Dealer Notification Date : JUN 09, 2020 - JUN 09, 2020

Planned Owner Notification Date : JUN 29, 2020 - JUL 03, 2020

\* NR - Not Reported