



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: RQ 16-001
Date Opened: 09/28/2016
Investigator: Michael Lee
Approver: Stephen Ridella
Subject: Brake Master Cylinder Failure

Date Closed: 07/05/2020
Reviewer: Paul Simmons

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Ford Motor Company
Products: 2015-2016 Ford F-150
Population: 254,022

Problem Description: Loss of the front brakes due to brake fluid in the brake master cylinder front brake circuit leaking into the brake booster.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	286	689	975
Crashes/Fires:	5	9	14
Injury Incidents:	1	1	2
Number of Injuries:	2	1	3
Fatality Incidents:	0	0	0

ACTION / SUMMARY INFORMATION

Action: This Recall Query is closed; Recall No. 20V-332.

Summary:

On June 8, 2020, Ford Motor Company issued a safety recall (NHTSA Recall No. 20V-332) of 292,311 model year (MY) 2014-2017 Ford F-150 vehicles equipped with 3.5L Ecoboost engines and built from 9/1/2014 to 8/1/2016. Ford stated that the causes of brake fluid loss in the master cylinder are brake fluid contamination that can interfere with rear cup seal function, and rolling of the rearmost cup seal. Prior to total loss of the front brakes, depending on the amount of brake fluid loss in the master cylinder, the driver may receive an audible chime, message center alert and red brake warning indicator in the instrument cluster, and may experience a change in brake pedal travel and increased pedal effort. It should be noted that a small number of late-built MY 2014 and early-built MY 2017 F-150 vehicles are included in the recall along with the subject vehicles (MY 2015-2016).

This Recall Query is closed based on the safety recall issued by Ford. The ODI reports cited above can be viewed at NHTSA.gov under the following ID numbers:

10734951 10839988 10862418 10872737 10873438 10876359 10881590 10883442 10885352 10888026 10888524
 10891826 10891829 10891886 10893632 10894688 10894844 10896122 10896446 10898079 10899093 10899198
 10902944 10903776 10904695 10908281 10910101 10913678 10913867 10914016 10914164 10914288 10914361
 10914382 10914483 10914507 10915027 10915894 10916302 10916346 10916578 10920258 10925699 10926076
 10926148 10926179 10927388 10927402 10927459 10927578 10928457 10928906 10930128 10936207 10940199
 10943902 10948941 10950413 10954419 10956798 10969452 10969971 10984389 10985533 10991033 10993430
 10993826 10994249 11000331 11000746 11001283 11001291 11001403 11001550 11002014 11002827 11003801
 11004795 11005551 11010248 11010341 11011291 11011502 11012944 11013023 11013826 11014954 11015390
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