

Part 573 Safety Recall Report

22V-880

Manufacturer Name : Ford Motor Company

Submission Date : NOV 29, 2022

NHTSA Recall No. : 22V-880

Manufacturer Recall No. : 22S74



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 : 18,808

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2017-2018 Ford F-Super Duty (F250, F350, F450)

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

Descriptive Information : The recalled part was introduced into production on 10/21/2015 and was taken out of production on 1/30/2018. Affected vehicles are equipped with suspect driveshafts that contain a dumbbell shaped Internal Radial Damper (IRD). The affected vehicles have a 176" wheelbase, are 4x4, and equipped with a 4.1 or 4.3 rear axle ratio.

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.

-399 F-250 vehicles are affected

-14,089 F-350 vehicles are affected

-4,320 F-450 vehicles are affected

Production Dates : OCT 21, 2015 - JAN 30, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : A radial damper (IRD) internal to the driveshaft may move out of design intent position over time, resulting in a driveshaft imbalance. This would result in noise, vibration, or harshness (NVH) symptoms. If unaddressed, driveshaft fracture could occur.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A fractured driveshaft may result in loss of motive power while driving, unintended vehicle movement while the vehicle is in park if the parking brake is not applied, and may result in secondary damage to surrounding components. A fractured driveshaft increases the risk of injury or crash.

Description of the Cause : Rubber over-mold rings on the radial damper can deform under higher driveshaft rotational speed, allowing the radial damper to move out of design intent position.

Identification of Any Warning that can Occur : A displaced internal radial damper would be expected to result in noise, vibration, or harshness (NVH) symptoms observable to a driver.

Involved Components :

Component Name 1 : Shaft Assy - Drive

Component Description : Drive Shaft, 2 Piece Driveshaft, 175.5 / 4457.7MM Wheelbase, With Double Rear Wheels

Component Part Number : HC34-4K145-KGB

Component Name 2 : Shaft Assy - Drive

Component Description : Drive Shaft, 2 Piece Driveshaft, 175.5 / 4457.7MM Wheelbase, With Double Rear Wheels

Component Part Number : HC34-4K145-KJB

Component Name 3 : Shaft Assy - Drive

Component Description : Drive Shaft, 2 Piece Driveshaft, 175.5 / 4457.7MM Wheelbase, With Double Rear Wheels

Component Part Number : HC34-4K145-KHB

Component Name 4 : Shaft Assy - Drive

Component Description : Drive Shaft, 2 Piece Driveshaft, 175.5 / 4457.7MM Wheelbase, With Single Rear Wheels

Component Part Number : HC34-4K145-KAC

Component Name 5 : Shaft Assy - Drive

Component Description : Drive Shaft, 2 Piece Driveshaft, 175.5 / 4457.7MM Wheelbase, With Single Rear Wheels

Component Part Number : HC34-4K145-KMB

Component Name 6 : Shaft Assy - Drive

Component Description : Drive Shaft, 2 Piece Driveshaft, 175.5 / 4457.7MM Wheelbase, With Double Rear Wheels

Component Part Number : HC34-4K145-KGC

Component Name 7 : Shaft Assy - Drive

Component Description : Drive Shaft, 2 Piece Driveshaft, 175.5 / 4457.7MM Wheelbase, With Single Rear Wheels

Component Part Number : HC34-4K145-KMC

Component Name 8 : Shaft Assy - Drive

Component Description : Drive Shaft, 2 Piece Driveshaft, 175.5 / 4457.7MM Wheelbase, With Single Rear Wheels

Component Part Number : HC34-4K145-KAC

Component Name 9 : Shaft Assy - Drive

Component Description : Drive Shaft, 2 Piece Driveshaft, 175.5 / 4457.7MM Wheelbase, With Single Rear Wheels

Component Part Number : HC34-4K145-KAD

Component Name 10 : Shaft Assy - Drive

Component Description : Drive Shaft, 2 Piece Driveshaft, 175.5 / 4457.7MM Wheelbase, With Single Rear Wheels

Component Part Number : HC34-4K145-KMD

Component Name 11 : Shaft Assy - Drive

Component Description : Drive Shaft, 2 Piece Driveshaft, 175.5 / 4457.7MM Wheelbase, With Double Rear Wheels

Component Part Number : HC34-4K145-KGD

Supplier Identification :

Component Manufacturer

Name : Dana Incorporated

Address : 3939 Technology Drive
Maumee Ohio 43537

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 driveshaft replaced with an updated driveshaft. 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 estimated to be January 27, 2023.

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

How Remedy Component Differs from Recalled Component : The recalled driveshaft assemblies (HC34-4K145-KGB, HC34-4K145-KJB, HC34-4K145-KHB, HC34-4K145-KAC, HC34-4K145-KMB, HC34-4K145-KGC, HC34-4K145-KMC, HC34-4K145-KAC, HC34-4K145-KAD, HC34-4K145-KMD, HC34-4K145-KGD) contained an IRD that could deform under higher driveshaft rotational speed. The remedy driveshaft assemblies were produced with a redesigned IRD that has improved retention under higher driveshaft rotational speed.

Identify How/When Recall Condition was Corrected in Production : The redesigned driveshafts were phased into Ford production between September 2017 and January 2018.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on November 30, 2022. Mailing of owner notification letters is expected to begin January 9, 2023 and is expected to be completed by January 13, 2023.

Planned Dealer Notification Date : NOV 30, 2022 - NOV 30, 2022

Planned Owner Notification Date : JAN 09, 2023 - JAN 13, 2023

* NR - Not Reported