

# Part 573 Safety Recall Report

# 22V-623

**Manufacturer Name :** Ford Motor Company**Submission Date :** AUG 12, 2022**NHTSA Recall No. :** 22V-623**Manufacturer Recall No. :** 22S53**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 : 58,203

Estimated percentage with defect : 3 %

**Vehicle Information :**

Vehicle 1 : 2021-2022 Ford F-150

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : NR

**Descriptive Information :** Affected vehicles are 4x4 145" wheelbase Crew Cab configurations with equipment packages XL and XLT 301A and below, and Tremor 400A that are equipped with an aluminum driveshaft. Underbody sound insulators may have been installed in error on these vehicles.

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.

58,203 F-150 vehicles are affected.

Production Dates : JAN 22, 2020 - NOV 20, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

**Description of the Defect :** Underbody thermal/acoustic insulators may loosen and contact the aluminum driveshaft, resulting in marking or scoring of the driveshaft. Over time, the aluminum driveshaft may fracture due to a localized overload condition caused by material thickness reduction.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** A fractured driveshaft may result in loss of motive power while

**Description of the Safety Risk :** driving, unintended vehicle movement while the vehicle is in park if the parking brake is not applied, and secondary damage to surrounding components. A fractured driveshaft may also contact the ground which may cause loss of control of the vehicle while driving. A fractured driveshaft increases the risk of injury or crash.

**Description of the Cause :** Underbody sound insulators may have been installed in error on these vehicles. If installed, inadequate adhesion of the insulators to the vehicle underbody results in loosening and sagging of the insulators. The vehicles in this recall population were neither designed nor intended to be built with underbody insulators and were therefore not within the scope of prior recall 21V-986.

**Identification of Any Warning that can Occur :** Vehicle operators may observe a loose underbody insulator, or may hear a rattling, clicking or clunking noise due to a loose underbody insulator contacting the driveshaft. Marking or scoring of the driveshaft may be visible in the area of underbody insulator contact.

## Involved Components :

**Component Name 1 :** Underbody Insulator - Driver Side

**Component Description :** Underbody Acoustic Insulator - Driver Side

**Component Part Number :** ML3B-1611205-AC

**Component Name 2 :** Underbody Insulator - Driver Side

**Component Description :** Underbody Acoustic Insulator - Driver Side

**Component Part Number :** ML3B-1611205-BA

**Component Name 3 :** Underbody Insulator - Passenger Side

**Component Description :** Underbody Thermal/Acoustic Insulator - Passenger Side

**Component Part Number :** ML3B-1611204-AD

**Component Name 4 :** Underbody Insulator - Passenger Side

**Component Description :** Underbody Thermal/Acoustic Insulator - Passenger Side

**Component Part Number :** ML3B-1611204-BB

**Supplier Identification :****Component Manufacturer**

Name : Ford Motor Company  
Address : One American Road  
Dearborn Michigan 48126  
Country : United States

**Chronology :****May 2022**

On May 26, 2022, Ford's Critical Concern Review Group (CCRG) initiated an investigation into reports of aluminum driveshaft fracture on F-150 Crew Cab units that were not included in Ford Field Service Action (FSA) 21S56 (NHTSA Campaign Number 21V-986). The prior safety recall was approved in December 2021 to address potential aluminum driveshaft fracture resulting from underbody insulator contact on units designed and built with underbody insulators.

**June – July 2022**

The CCRG investigation found that underbody insulators were installed in error on certain F-150 Crew Cab vehicles that were neither designed nor intended to be built with underbody insulators. The CCRG team reviewed records from the assembly plant and product designs to understand how vehicles could be manufactured with the unintended underbody insulators. The underbody insulators, which were installed in error, may experience the same issue of inadequate adhesion to the vehicle underbody as was addressed by FSA 21S56. This can result in loosening and sagging of the insulators, which may then contact the driveshaft. Over time, contact of the sagging underbody insulator with the rotating aluminum driveshaft may result in material reduction and fracture of the aluminum driveshaft.

As of August 3, 2022, the team is aware of four (4) warranty reports in the United States for fractured aluminum driveshafts due to apparent underbody insulator contact on vehicles not intended to be equipped with the underbody insulators. The reports were received on November 10, 2021, May 12, 2022, May 24, 2022, and June 1, 2022.

On August 5, 2022, Ford's Field Review Committee reviewed the concern and approved a field action.

Ford is not aware of any reports of accident or injury 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 for an inspection to determine if underbody insulators are installed. If installed, dealers will securely fasten the underbody insulators and inspect the driveshaft for damage and repair as required. 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 September 26, 2022.

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

**How Remedy Component Differs from Recalled Component :** The underbody insulators (ML3B-1611205-AC, ML3B-1611205-BA, ML3B-1611204-AD, ML3B-1611204-BB) will be properly attached to the vehicle.

**Identify How/When Recall Condition was Corrected in Production :** The passenger side underbody thermal-acoustic insulator was removed from production and replaced with an under-carpet thermal patch on October 16, 2021, at Dearborn Truck Plant (DTP) and October 20, 2021, at Kansas City Assembly Plant (KCAP). The driver side underbody acoustic insulator was removed from production at DTP and KCAP on November 19, 2021.

## Recall Schedule :

**Description of Recall Schedule :** Notification to dealers is expected to occur on August 15, 2022. Mailing of owner notification letters is expected to begin September 5, 2022 and is expected to be completed by September 9, 2022.

**Planned Dealer Notification Date :** AUG 15, 2022 - AUG 15, 2022

**Planned Owner Notification Date :** SEP 05, 2022 - SEP 09, 2022

\* NR - Not Reported