

Part 573 Safety Recall Report

20V-691

Manufacturer Name : Ford Motor Company

Submission Date : NOV 10, 2020

NHTSA Recall No. : 20V-691

Manufacturer Recall No. : 20S66



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 : 225

Estimated percentage with defect : 12 %

Vehicle Information :

Vehicle 1 : 2021-2021 FORD F-650, F-750

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Affected vehicles are equipped with a 7.3L gas engine.

Ford vehicles are not produced in VIN order and we typically cannot provide VIN specific information. However, in this instance Ford is able to provide the specific VIN list – see attachment VINs.

Production Dates : JUN 01, 2020 - JUN 24, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The transmission oil cooler line may come into contact with the air conditioning compressor pulley.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Transmission oil cooler line contact with the air conditioning compressor pulley could cause a transmission fluid leak. In these vehicles, leaking transmission fluid may contact hot engine components, increasing the risk of a potential engine compartment fire. Ford is not aware of any alleged fires related to this concern.

Description of the Cause : The transmission oil cooler line may have been improperly oriented during installation.

Identification of Any Warning that can Occur : A transmission fluid leak could lower the transmission fluid to a level where transmission performance is affected. If so, the customer may experience harsh or delayed transmission engagement. The Malfunction Indicator Light may

illuminate.

Involved Components :

Component Name 1 : Transmission Oil Cooler Line

Component Description : Transmission Oil Cooler Line

Component Part Number : FC4Z-7C410-A

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

July – October 2020: A customer report of a transmission oil cooler line coming into contact with the air conditioning compressor clutch pulley was brought to Ford's Critical Concern Review Group on July 30, 2020 for review. An inspection of that vehicle found that the cooler line was misoriented.

An audit of vehicles was conducted at the vehicle assembly plant, and found others with a misoriented cooler line. All vehicles that were identified with misoriented transmission cooler lines were assembled by a new shift at the plant. The new shift started in June, 2020.

Analyses were undertaken to assess any potential safety concerns. These analyses found that leaking transmission fluid from cooler line interference with the air conditioning compressor pulley could potentially contact hot engine components, causing the risk of a potential engine compartment fire for these vehicles.

On November 2, 2020 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 to have the dealer inspect transmission oil cooler lines for proper orientation / damage. Improperly routed lines will be reoriented and secured with a clip. Damaged lines will be replaced per standard workshop manual procedures. There will be no charge for this service.

Ford is excluding reimbursement for costs because the original warranty program would provide for a free repair for this concern.

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

How Remedy Component Differs from Recalled Component : The transmission oil cooler line, FC4Z-7C410-A, will be properly oriented and secured with a clip, W708116-S300, to prevent contact with the air conditioning compressor clutch pulley.

Identify How/When Recall Condition was Corrected in Production : A Critical To Quality Bulletin showing the correct transmission oil cooler line orientation was created and placed at the operation workstation on June 24, 2020. An audit at the plant found no misrouted lines built after June 24, 2020.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on November 12, 2020. Mailing of owner notification letters is expected to begin December 14, 2020 and is expected to be completed by December 18, 2020.

Planned Dealer Notification Date : NOV 12, 2020 - NOV 12, 2020

Planned Owner Notification Date : DEC 14, 2020 - DEC 18, 2020

* NR - Not Reported