

Part 573 Safety Recall Report

17V-427

Manufacturer Name : Ford Motor Company**Submission Date :** FEB 08, 2018**NHTSA Recall No. :** 17V-427**Manufacturer Recall No. :** 17S16**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 : 6,026

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2017 Ford Edge

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : GAS

Descriptive Information : Certain 2017MY Edge, Fusion and MKZ vehicles equipped with 2.0L gas engines and 6F35 transmissions may have been built with torque converters with weld studs that were inadequately welded.

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 : APR 25, 2017 - JUN 20, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2017-2017 Ford Fusion

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : GAS

Descriptive Information : Certain 2017MY Edge, Fusion and MKZ vehicles equipped with 2.0L gas engines and 6F35 transmissions may have been built with torque converters with weld studs that were inadequately welded.

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 : MAY 04, 2017 - JUN 15, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2017-2017 Lincoln MKZ

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : GAS

Descriptive Information : Certain 2017MY Edge, Fusion and MKZ vehicles equipped with 2.0L gas engines and 6F35 transmissions may have been built with torque converters with weld studs that were inadequately welded.

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 : MAY 04, 2017 - JUN 19, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Description of Defect :

Description of the Defect : On affected vehicles with 2.0L gas engines and 6F35 transmissions, weld studs on the torque converter may have been inadequately welded (i.e. cold weld). If the welded studs break, the torque converter will lose coupling to the engine flexplate resulting in a loss of motive power.

Ford is not aware of any reports of accident or injury related to this condition.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Loss of torque converter attachment to the engine flexplate can result in loss of motive power without warning while driving, which may increase the risk of a crash. The power steering, power brakes, electrical function and vehicle restraint systems will still continue to operate, and the transmission park function will not be affected.

Description of the Cause : An incorrect replacement of a welding shunt cable during routine maintenance at the Tier-2 torque converter supplier caused the inadequate weld process for weld studs on the torque converter.

Identification of Any Warning that can Occur : None.

Supplier Identification :

Component Manufacturer

Name : Valeo
Address : AV Central NO 505 Parque Logistico
San Luis Potosi City FOREIGN STATES 78395
Country : Mexico

Chronology :

June 2017: Review of warranty reports identified three reports pertaining to loss of motive power relating to the torque converter on 2017 Edge vehicles. The concern was brought into Ford's Critical Concern Review Group (CCRG) for review. Inspection of returned parts found separation of the four torque converter weld studs that attach to the engine flexplate. Analysis found inadequate welds of studs to the torque converter. A review of the supplier's manufacturing records subsequently identified manufacturing process issues that could affect weld quality of torque converter studs produced between April 11, 2017 and April 18, 2017.

On June 28, 2017, Ford's Field Review Committee reviewed the concern and approved a field action.

December 2017 - January 2018: Four vehicles outside the recall population, including two in the U.S., were identified in warranty reports having torque converters with broken weld studs. The supplier confirmed that their process to identify suspect parts inadvertently missed a pallet of suspect torque converter covers. The original supplier investigation focused on torque converter final assemblies and did not properly account for cover sub-assemblies with suspect weld studs. A total of 112 vehicles have been added to this field action.

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 their torque converters replaced. 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 : N/A

Identify How/When Recall Condition was Corrected in Production : The torque converter supplier replaced the incorrect weld shunt cable with a correct cable on April 18, 2017. Torque converters produced after this date were introduced into vehicle production on dates which vary by vehicle make and model.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on July 10, 2017. Mailing of

owner notification letters is expected to begin August 14, 2017 and is expected to be completed by August 18, 2017.

Mailing of owner notification letters to the added vehicle population was completed on February 2, 2018.

Planned Dealer Notification Date : JUL 10, 2017 - JUL 10, 2017

Planned Owner Notification Date : AUG 14, 2017 - AUG 18, 2017

* NR - Not Reported