

Part 573 Safety Recall Report

21V-377

Manufacturer Name : Ford Motor Company**Submission Date :** MAY 24, 2021**NHTSA Recall No. :** 21V-377**Manufacturer Recall No. :** 21C13**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 : 82

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2021-2021 Ford Edge

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing front seat belt retractor production to the vehicle in which the front seat belt retractor is installed. Affected vehicles are equipped with suspect front seat belt retractors.

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.

Ford/Edge/2021 - 82 Vehicles

Production Dates : FEB 16, 2021 - FEB 21, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Noncompliance :**

Description of the Noncompliance : On some of the affected vehicles, the front driver seat belt retractor pretensioner may not function as intended resulting in loss of pretensioning in a crash event where the front seat belt pretensioners are activated.

FMVSS 1 : 208 - Occupant crash protection

FMVSS 2 : NR

Description of the Safety Risk : In the affected vehicles, in the event of a crash of sufficient severity, the front seatbelt retractor pretensioner may not function as intended. A non-functional front seatbelt retractor pretensioner may increase the risk of injury to the front occupant in a crash.

Description of the Cause : Certain front driver seat belt retractor pretensioners may have been assembled with missing components.

Identification of Any Warning that can Occur : None.

Involved Components :

Component Name 1 : Front Driver Seat Belt

Component Description : Seat Belt Assembly

Component Part Number : KT4B-612D65-A

Supplier Identification :

Component Manufacturer

Name : Joyson Safety Systems LLC.

Address : Carretera STA Rosa KM 3.5
Apodaca Foreign States 66600

Country : Mexico

Chronology :

On February 18, 2021, during a pretensioner deployment test at Joyson Safety Systems, one front seat belt retractor and pretensioner assembly did not meet the Ford specification for pretensioner pull-in. After tear down inspection, it was observed that pretensioner clutch pawls and O-ring were missing, indicating they were not installed into the pretensioner clutch subassembly and subsequent seat belt assembly.

Further investigation by the supplier determined that the suspect incomplete clutch assemblies were built during a post-holiday training event in December 2020 and subsequently combined with a physical inventory that was introduced into the final retractor assembly operation.

Ford conducted vehicle level CAE simulating no retractor pretensioning in various front crash modes. CAE results indicated that the system without the design intent pretensioner function is non-compliant with FMVSS 208 section S6 and S15.

On May 17, 2021, Ford's Field Review Committee reviewed the concern and approved a field action.

Ford is not aware of any reports of accidents 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 Drivers Side Front Seat Belt Retractor and Pretensioner Assembly 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 : Remedy Front Seat Belt Retractor Assemblies were built with all required components.

Identify How/When Recall Condition was Corrected in Production : Supplier incorporated additional controls and detection in the assembly process on March 2, 2021.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on May 25, 2021. Mailing of owner notification letters is expected to begin June 14, 2021 and is expected to be completed by June 18, 2021.

Planned Dealer Notification Date : MAY 25, 2021 - MAY 25, 2021

Planned Owner Notification Date : JUN 14, 2021 - JUN 18, 2021

* NR - Not Reported