

Part 573 Safety Recall Report

20V-415

Manufacturer Name : Ford Motor Company**Submission Date :** JUL 17, 2020**NHTSA Recall No. :** 20V-415**Manufacturer Recall No. :** 20S35**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 : 68

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2020-2020 Ford Escape

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Affected vehicles are equipped with suspect curtain air bags that may have an incorrect diffuser crimp.

2020 Ford Escape Affected Volume: 2

Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing the curtain air bag production to the vehicle in which the curtain air bag is installed.

Production Dates : MAR 18, 2020 - MAR 18, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2020-2020 Ford Transit

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Affected vehicles are equipped with suspect curtain air bags that may have an incorrect diffuser crimp.

2020 Ford Transit Affected Volume: 66

Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing the curtain air bag production to the vehicle in which the curtain air bag is installed.

Production Dates : FEB 28, 2020 - MAR 19, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The affected vehicles have a curtain air bag diffuser that may detach from the inflator during an air bag deployment.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event of a crash necessitating air bag deployment, if the diffuser detaches from the inflator, the air bag may not inflate properly, increasing the risk of injury in a crash.

Description of the Cause : There is an improper crimp between the diffuser and the inflator body caused by incorrect position of inflator body prior to crimping operation at the tier two supplier.

Identification of Any Warning that can Occur : None.

Involved Components :

Component Name 1 : CAB MODULE ASSEMBLY CX482 RH

Component Description : RH Curtain Airbag Assembly

Component Part Number : LJ6B-S042D94-AG

Component Name 2 : CAB MODULE ASSEMBLY CX482 LH

Component Description : LH Curtain Airbag Assembly

Component Part Number : LJ6B-S042D95-AG

Component Name 3 : MODULE ASSEMBLY V363 HIGH ROOF CAB RH

Component Description : RH Curtain Airbag Assembly

Component Part Number : CK41 14042D94 CB

Component Name 4 : MODULE ASSY V363 HIGHROOF CHASSIS RH CAB

Component Description : RH Curtain Airbag Assembly

Component Part Number : CK41 14042D94 DB

Component Name 5 : V363 CAB A-B LH MODULE ASSY HIGH ROOF

Component Description : LH Curtain Airbag Assembly

Component Part Number : LK41 14042D95 CA

Component Name 6 : V363 CAB A-B CHASSIS LH MODULE ASSY

Component Description : LH Curtain Airbag Assembly

Component Part Number : LK41 14042D95 DA

Supplier Identification :

Component Manufacturer

Name : ZF PASSIVE SAFETY US INC.

Address : 3201 AVENIDA JUAN ESCUTIA
CHIHUAHUA FOREIGN STATES

Country : Mexico

Chronology :

On March 19, 2020, a Curtain Air Bag (CAB) Lot Acceptance Test (LAT) at ZF Chihuahua resulted in an

abnormal deployment.

On May 1, 2020, ZF made Ford Supplier Technical Assistance (STA) aware of this suspect CAB inflator concern. On May 12, 2020, the STA team presented the concern to the Ford Critical Concerns Review Group.

Part tear down analysis indicated that the inflator diffuser had separated from the inflator body resulting in incorrect gas flow. Based on traceability data, it was determined that the inflator was produced on February 25, 2020 at the tier two ZF Mesa plant. Investigation of the failed part identified that the crimp between the diffuser and the inflator body did not meet specification. Further investigation determined that the crimping process was not performed correctly on some parts, and inflators produced between February 17, 2020 and March 21, 2020 were suspect.

There were (203) CAB modules identified as suspect delivered to Ford OAC, KCAP, and LAP assembly plants. Of the (203) modules, (120) were identified as loose stock and were quarantined. Investigation identified (83) modules assembled into vehicles. Of the (83) built vehicles, (68) were shipped to US dealerships.

On July 10, 2020, Ford's Field Review Committee reviewed the concern and approved a field action.

No warranty or field reports have been identified as of July 10, 2020.

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 Dealers remove and replace the suspect Curtain Airbag modules on the identified vehicles. 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 parts were produced after the corrective action that resolved the improper crimping between diffuser and inflator. Parts also produced after robust part location and crimping detection was incorporated.

Identify How/When Recall Condition was Corrected in Production : The supplier incorporated the following actions:
Laser inspection parameters adjusted and validated with a robust gage R&R on 4/3/2020.
Error proofing system added to confirm inflator fully seated before crimping process on 3/31/2020.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on July 21, 2020. Mailing of owner notification letters is expected to begin August 3, 2020 and is expected to be completed by August 7, 2020.

Planned Dealer Notification Date : JUL 21, 2020 - JUL 21, 2020

Planned Owner Notification Date : AUG 03, 2020 - AUG 07, 2020

* NR - Not Reported