

Part 573 Safety Recall Report

22V-331

Manufacturer Name : Ford Motor Company**Submission Date :** MAY 13, 2022**NHTSA Recall No. :** 22V-331**Manufacturer Recall No. :** 22S33**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 : 27

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2020 FORD ESCAPE

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : HYBRID ELECTRIC

Descriptive Information : Ford's team reviewed supplier process and production records to determine the population of affected parts. The Ford process is capable of tracing high voltage battery pack production to the vehicle in which the high voltage battery pack is installed.

Affected vehicles are equipped with the 2.5L Hybrid powertrain and the suspect high voltage battery pack.

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.

26 Escape vehicles are affected.

Production Dates : JUL 21, 2020 - AUG 04, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2021-2021 LINCOLN CORSAIR

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : HYBRID ELECTRIC

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1 Corsair vehicle is affected.

Production Dates : SEP 18, 2020 - SEP 18, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : Insufficient weld penetration exists between the busbar and cell terminal which results in a loss of electrical contact at the busbar weld joint within the high voltage battery.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A loss of electrical contact at the busbar weld joint can result in a loss of motive power, which increases the risk of an accident.

Description of the Cause : Ford and supplier suspect that damage to the laser cooling line during maintenance of the laser air knife resulted in an out of control welding process at the supplier.

Identification of Any Warning that can Occur : The vehicle will display a "stop safely now" message, wrench lamp, and an audible alert when the vehicle loses motive power.

Involved Components :

Component Name 1 : High Voltage Battery

Component Description : High Voltage Battery

Component Part Number : LX68-10B759-R

Supplier Identification :

Component Manufacturer

Name : Samsung SDI Co., Ltd.

Address : 467, Beonyeong-ro
Seobuk-gu Cheonan-si Foreign States 31086

Country : Korea, Republic of

Chronology :

On February 1, 2022, an issue pertaining to high voltage battery pack busbar insufficient weld penetration was brought to Ford's Critical Concern Review Group for review.

Ford is aware of four warranty claims in Europe between August 12, 2021 and January 10, 2022. On December 10, 2021, the supplier communicated to Ford that the suspected root cause is a damaged laser cooling line caused by maintenance of the laser air knife that results in an out of control weld process for the first warranty claim. On January 6, 2021, the supplier communicated to Ford that the suspect time period was between June 6, 2020 and June 12, 2020.

On January 28, 2022, Samsung identified high voltage battery packs with potentially non-conforming high voltage busbar welding issues supplied to Ford in the 22E-005 Part 573 submission.

Between January and April 2022, Ford conducted an engineering analysis of busbar assemblies built during the suspect period to determine which parts had an insufficient weld penetration.

As of April 28, 2022, Ford is unaware of any VOQs, warranty claims, or field reports in the United States for this issue.

On May 6, 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 to have the High Voltage Battery replaced. 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 July 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 remedy High Voltage Battery LX68-10B759-R will have a busbar that has proper weld penetration.

Identify How/When Recall Condition was Corrected in Production : The supplier repaired a damaged coolant line on June 27, 2020. High voltage batteries produced after June 27, 2020 were produced with sufficient busbar weld penetration.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on May 16, 2022. Mailing of owner notification letters is expected to begin July 5, 2022 and is expected to be completed by July 12, 2022.

Planned Dealer Notification Date : MAY 16, 2022 - MAY 16, 2022

Planned Owner Notification Date : JUL 05, 2022 - JUL 12, 2022

* NR - Not Reported