

Part 573 Safety Recall Report

23V-626

Manufacturer Name : Ford Motor Company**Submission Date :** MAR 15, 2024**NHTSA Recall No. :** 23V-626**Manufacturer Recall No. :** 23S53**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 : 2,954

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2020-2022 Lincoln Aviator

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : HYBRID ELECTRIC

Descriptive Information : Ford's team reviewed supplier process records to determine the population of affected parts. The Ford process is capable of tracing high voltage battery cell production to the vehicle in which the high voltage battery cell is installed. Affected vehicles are equipped w/ 3.0L PHEV engines and suspect high voltage battery cells

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.

2,941 Lincoln Aviator PHEV vehicles are affected.

Production Dates : JUN 18, 2019 - MAY 23, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2020-2022 Ford Explorer

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : HYBRID ELECTRIC

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13 Ford Explorer PHEV vehicles are affected.

Production Dates : DEC 01, 2019 - DEC 12, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : A manufacturing defect in one or more of the vehicle's high voltage battery cells may result in a lower capacity cell. In certain cases, the low capacity cell will develop an internal short circuit.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event of a high voltage battery cell internal short, customers may experience a battery power off. A battery power off will result in a loss of motive power with coasting, increasing the risk of crash. Customers will continue to have 12V accessories, steering, and braking control.

If a second, still undetermined, factor is present with the folded tab, the customer may experience battery thermal venting potentially resulting in a vehicle fire, increasing the risk of injury.

Description of the Cause : The root cause of this condition is partially due to the presence of a folded anode tab within a cell in the high voltage battery. The folded anode tab is introduced during the cell manufacturing process. A folded tab may result in a cell with lower capacity. In addition to the folded tab, a second factor must be present or induced for a cell internal short with thermal venting to result. This factor is still unknown and under investigation.

Identification of Any Warning that can Occur : Customer will experience a Malfunction Indicator Light (MIL) in the event of a high voltage battery cell internal short.

Involved Components :

Component Name 1 : UNT ASY BAT H/V TRCT

Component Description : High Voltage Battery Pack

Component Part Number : L1M* 10B759 AP

Supplier Identification :

Component Manufacturer

Name : LGES

Address : 1 LG Way
Holland 49423

Country : NR

Chronology :

Chronology is provided as an attachment.

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 a Battery Energy Control Module (BECM) diagnostic test performed. If a cell capacity anomaly, indicative of a folded anode tab introduced during cell manufacturing, is detected during the test, dealers will replace the high voltage battery pack. 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 2023. The ending date for reimbursement eligibility is estimated to be April 26, 2024.

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

How Remedy Component Differs from Recalled Component : Replacement high voltage battery packs will have cells that are produced post-supplier manufacturing process improvements.

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on March 22, 2024. Mailing of owner notification letters is expected to begin April 8, 2024, and is expected to be completed by April 12, 2024.

Planned Dealer Notification Date : MAR 22, 2024 - MAR 22, 2024

Planned Owner Notification Date : APR 08, 2024 - APR 12, 2024

* NR - Not Reported