

# Part 573 Safety Recall Report

# 21V-869

**Manufacturer Name :** Ford Motor Company**Submission Date :** NOV 10, 2021**NHTSA Recall No. :** 21V-869**Manufacturer Recall No. :** 21S48**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 : 1

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2021-2021 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. 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.  
n and the suspect high voltage battery pack.

Ford vehicles are not produced in VIN order and we typically cannot provide VIN specific information. However, in this instance Ford is able to provide the specific VIN list – see attachment VINs.

Production Dates : AUG 05, 2021 - SEP 28, 2021

VIN Range 1 : Begin : NR

End : NR

 Not sequential

**Description of Defect :**

Description of the Defect : An overheated busbar terminal may create a high resistance connection, causing the battery pack high voltage bus voltage to fall below an operational threshold. The Hybrid Powertrain Control Module senses High Voltage bus voltage, and upon detecting a fault, triggers a diagnostic trouble code, and subsequently commands the powertrain to stop.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the high voltage battery pack becomes inoperative, the driver will experience an instantaneous loss of motive power. Instantaneous loss of motive power may increase the risk of a crash. The vehicle's low voltage (12V) electrical system remains operational, allowing customer use of power steering and power brakes.

Description of the Cause : The High Voltage busbar pad was not seated properly, causing the pad to be mounted out of position prior to busbar welding, reducing the contact area between the cell terminal and the busbar. The reduced contact area causes higher resistance leading to an overheat condition

Identification of Any Warning that can Occur : A "Stop Safely Now" message is displayed on the instrument panel.

**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 October 12, 2021, an issue pertaining to an overheated High Voltage Battery busbar that was brought to a

dealership in Germany and subsequently inspected was brought to Ford's Critical Concern Review Group for review. Through a search of warranty reports, Ford identified an additional vehicle in Europe that reported loss of function due to the overheated High Voltage Battery busbar. Ford has not identified any VOQs related to this issue.

The High Voltage Battery busbar is supplied to Samsung by the sub-supplier Nex+.

On November 3, 2021, 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 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 :** The remedy High Voltage Battery LX68-10B759-R will have a busbar that has been properly seated and welded.

**Identify How/When Recall Condition was Corrected in Production :** On 08/25/2021, Samsung modified welding width and area limits in order to detect non-conforming High Voltage Batteries.

## Recall Schedule :

**Description of Recall Schedule :** Notification to dealers is expected to occur on November 10, 2021. Mailing of owner notification letters is expected to begin November 29, 2021 and is expected to be completed by December 6, 2021.

**Planned Dealer Notification Date :** NOV 10, 2021 - NOV 10, 2021

**Planned Owner Notification Date :** NOV 29, 2021 - DEC 06, 2021

\* NR - Not Reported