

# Part 573 Safety Recall Report

## 22E-005

**Manufacturer Name :** Samsung SDI Co., Ltd.

**Submission Date :** MAR 16, 2022

**NHTSA Recall No. :** 22E-005

**Manufacturer Recall No. :** NR



### Manufacturer Information :

**Manufacturer Name :** Samsung SDI Co., Ltd.

**Address :** 467, Beonyeong-ro  
Seobuk-gu Cheonan-si 00 31086

**Company phone :** 419652400

### Population :

**Number of potentially involved :** 1,163

**Estimated percentage with defect :** 14 %

### Equipment Information :

**Brand / Trade 1 :** Samsung SDI

**Model :** High Voltage Battery Pack

**Part No. :** LX68-10C790-G-PIA3AB

**Size :** NR

**Function :** Propulsion

**Descriptive Information :** This recall campaign refers to NHTSA Part 573 filing 21V-869 reported by the Ford Motor Company using the subject components. Recall campaign population has been defined based on welding issues identified in Samsung SDI's manufacturing process and production data. Samsung SDI has identified battery packs with potentially non-conforming HV busbar welding issues sold to Ford and a second manufacturer, Stellantis. 1163 total units that may be affected (Ford 1139, Stellantis 24).

**Production Dates :** JAN 03, 2020 - OCT 26, 2021

**Brand / Trade 2 :** Samsung SDI

**Model :** High Voltage Battery Pack

**Part No. :** LX68-10C790-G-PIA3AC

**Size :** NR

**Function :** Propulsion

**Descriptive Information :** This recall campaign refers to NHTSA Part 573 filing 21V-869 reported by the Ford Motor Company using the subject components. Recall campaign population has been defined based on welding issues identified in Samsung SDI's manufacturing process and production data. Samsung SDI has identified battery packs with potentially non-conforming HV busbar welding issues sold to Ford and a second manufacturer, Stellantis. 1163 total units that may be affected (Ford 1139, Stellantis 24).

**Production Dates :** JAN 03, 2020 - OCT 26, 2021

Brand / Trade 3 : Samsung SDI  
Model : High Voltage Battery Pack  
Part No. : LX68-10C790-G-PIA3AD  
Size : NR  
Function : Propulsion

Descriptive Information : This recall campaign refers to NHTSA Part 573 filing 21V-869 reported by the Ford Motor Company using the subject components. Recall campaign population has been defined based on welding issues identified in Samsung SDI's manufacturing process and production data. Samsung SDI has identified battery packs with potentially non-conforming HV busbar welding issues sold to Ford and a second manufacturer, Stellantis. 1163 total units that may be affected (Ford 1139, Stellantis 24).

Production Dates : JAN 03, 2020 - OCT 26, 2021

Brand / Trade 4 : Samsung SDI  
Model : High Voltage Battery Pack  
Part No. : 05193168AE  
Size : NR  
Function : Propulsion

Descriptive Information : This recall campaign refers to NHTSA Part 573 filing 21V-869 reported by the Ford Motor Company using the subject components. Recall campaign population has been defined based on welding issues identified in Samsung SDI's manufacturing process and production data. Samsung SDI has identified battery packs with potentially non-conforming HV busbar welding issues sold to Ford and a second manufacturer, Stellantis. 1163 total units that may be affected (Ford 1139, Stellantis 24).

Production Dates : OCT 12, 2020 - OCT 26, 2021

Brand / Trade 5 : Samsung SDI  
Model : High Voltage Battery Pack  
Part No. : 05193168AF  
Size : NR  
Function : Propulsion

Descriptive Information : This recall campaign refers to NHTSA Part 573 filing 21V-869 reported by the Ford Motor Company using the subject components. Recall campaign population has been defined based on welding issues identified in Samsung SDI's manufacturing process and production data. Samsung SDI has identified battery packs with potentially non-conforming HV busbar welding issues sold to Ford and a second manufacturer, Stellantis. 1163 total units that may be affected (Ford 1139, Stellantis 24).

Production Dates : OCT 12, 2020 - OCT 26, 2021

Brand / Trade 6 : Samsung SDI  
 Model : High Voltage Battery Pack  
 Part No. : 05193168AG  
 Size : NR  
 Function : Propulsion

Descriptive Information : This recall campaign refers to NHTSA Part 573 filing 21V-869 reported by the Ford Motor Company using the subject components. Recall campaign population has been defined based on welding issues identified in Samsung SDI's manufacturing process and production data. Samsung SDI has identified battery packs with potentially non-conforming HV busbar welding issues sold to Ford and a second manufacturer, Stellantis. 1163 total units that may be affected (Ford 1139, Stellantis 24).

Production Dates : OCT 12, 2020 - JAN 26, 2021

Brand / Trade 7 : Samsung SDI  
 Model : High Voltage Battery Pack  
 Part No. : 05193168AH  
 Size : NR  
 Function : Propulsion

Descriptive Information : This recall campaign refers to NHTSA Part 573 filing 21V-869 reported by the Ford Motor Company using the subject components. Recall campaign population has been defined based on welding issues identified in Samsung SDI's manufacturing process and production data. Samsung SDI has identified battery packs with potentially non-conforming HV busbar welding issues sold to Ford and a second manufacturer, Stellantis. 1163 total units that may be affected (Ford 1139, Stellantis 24).

Production Dates : OCT 12, 2020 - JAN 26, 2021

## Description of Defect :

Description of the Defect : Welding issues identified in Samsung SDI's manufacturing process (for certain time periods identified in this report) during production of the high voltage (HV) battery cell module (internal to the HV battery pack) may produce a high resistance condition that commands the vehicle powertrain to stop.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event of such high resistance, the HV battery pack may become inoperative, and the vehicle's propulsion system may be affected, increasing the risk of loss of motive power which may increase the risk of a crash.

Description of the Cause : Welding issues identified in Samsung SDI's manufacturing process (for certain time periods identified in this report) during production of the HV battery cell

module may produce a high resistance condition that commands the vehicle powertrain to stop. The HV busbar pad was not seated properly and/or the power of the welding between the cell terminal and busbar was insufficient, in either case, causing the weak welding between the cell terminal and the busbar.

The weak welding causes higher resistance potentially leading to the defect condition.

Identification of Any Warning NR  
that can Occur :

### Involved Components :

Component Name : Holder bus bar

Component Description : Holder to assemble HV Busbar

Component Part Number : P073-00002A

### Supplier Identification :

#### Component Manufacturer

Name : Nex+

Address : 39, Bueongsan-gil Seonjang-myeon  
Asan-si, Chungcheongnam-do Foreign States

Country : Korea, Republic of

### Chronology :

NR

### Description of Remedy :

Description of Remedy Program : Samsung SDI will cooperate with affected vehicle manufacturers, including Ford and Stellantis, to notify owners and instruct them to take their vehicle to the appropriate dealer and replace the entire HV battery pack at no cost to the owner. Reimbursement will be consistent with the vehicle manufacturers' respective reimbursement policies.

How Remedy Component Differs from Recalled Component : The remedy battery cell module contains properly seated and welded busbars.

Identify How/When Recall Condition was Corrected in Production : Samsung SDI's good faith information and belief is that it has reasonably identified the conditions arising in connection with the battery packs identified above.

### Recall Schedule :

Description of Recall Schedule : Not applicable (Samsung SDI does not have dealers and/or distributors, and Samsung SDI understands that notice is being issued by Ford and Stellantis). Samsung SDI understands that Ford and Stellantis will provide recall completion rate information required by 49 CFR 573.7 because they will be conducting the recall campaign. See 49 CFR 573.3(f)

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

### Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : Ford Motor Company

Address : 330 Town Center Drive Suite 500  
Dearborn MI 48126-2738

Country : US

Company Phone : 8664367332

Name : Stellantis

Address : 800 Chrysler Drive  
Auburn Hills MI 48326-2757

Country : US

Company Phone : 8008531403

\* NR - Not Reported