

# Part 573 Safety Recall Report

## 23V-218

**Manufacturer Name :** Kia America, Inc.

**Submission Date :** MAR 29, 2023

**NHTSA Recall No. :** 23V-218

**Manufacturer Recall No. :** SC267



### Manufacturer Information :

**Manufacturer Name :** Kia America, Inc.

**Address :** 111 Peters Canyon Road  
Irvine CA 92606

**Company phone :** 800-333-4542

### Population :

**Number of potentially involved :** 2,689

**Estimated percentage with defect :** 1 %

### Vehicle Information :

**Vehicle 1 :** 2015-2019 Kia Soul EV

**Vehicle Type :** LIGHT VEHICLES

**Body Style :** ALL

**Power Train :** HYBRID ELECTRIC

**Descriptive Information :** All 2018-2019 model year Soul EV vehicles manufactured from July 3, 2017 through September 28, 2018 equipped with an E400 high voltage battery and certain 2015-2017 model year Soul EV vehicles manufactured from July 15, 2014 through June 30, 2017 that had their high voltage battery replaced under warranty with an E400 battery. The recall population was determined by a review of vehicle production and warranty records. The vehicles subject to this recall were not produced in VIN order. Customers seeking information about their specific vehicle will be referred to Kia's Customer Care Center or their Kia dealer.

**Production Dates :** JUL 15, 2014 - SEP 28, 2018

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

### Description of Defect :

**Description of the Defect :** An electrical short circuit between the anode and cathode of the battery cells can occur within the high-voltage battery pack assembly case located underneath the vehicle. If an electrical short circuit occurs, a fire may result while driving, thereby increasing the risk of injury. The cause of the short circuit condition remains unknown, but it is believed to be caused by abnormally excessive precipitate within the battery cells.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** A fire increases the risk of injury.

**Description of the Cause :** Cause of the electrical short circuit condition remains unknown but is believed to be caused by abnormally excessive precipitate within the battery cells.

Identification of Any Warning that can Occur : 1) Incomplete high voltage battery charging, 2) loss/fluctuating vehicle range, and/or 3) illumination of EV warning light

## Involved Components :

Component Name 1 : PACK ASSY-BATTERY

Component Description : Battery Pack Assembly

Component Part Number : 37510-E4300 (2018-19 MY)

Component Name 2 : PACK ASSY-BATTERY

Component Description : Battery Pack Assembly

Component Part Number : 37510-E4350 (2018-19 MY)

Component Name 3 : PACK ASSY-BATTERY

Component Description : Battery Pack Assembly

Component Part Number : 37510-E4200R (2015-17 MY)

Component Name 4 : PACK ASSY-BATTERY

Component Description : Battery Pack Assembly

Component Part Number : 37510-E4250R (2015-17 MY)

## Supplier Identification :

### Component Manufacturer

Name : SK On

Address : 325, Expo-ro, Yuseong-gu  
Daejeon Foreign States 34124

Country : Korea, Republic of

## Chronology :

See attached document titled "2015-2019MY Soul EV High Voltage Battery Chronology."

## Description of Remedy :

**Description of Remedy Program :** All owners of the subject vehicles will be notified by first class mail with instructions to bring their vehicles to a Kia dealer. Kia will instruct dealers to update the vehicle's battery management system with new software that will detect abnormal battery cell voltage condition before an electrical short circuit occurs. Following installation of the new software, if the abnormal battery cell voltage is detected by the vehicle's battery management system, the EV warning light will illuminate, charging capacity will be limited to 80% and the vehicle will be placed into a reduced-power limp home mode. If this occurs, dealer will replace the high voltage battery. Kia will reimburse owners for repair expenses already incurred pursuant to Kia's General Reimbursement Plan filed May 10, 2022.

**How Remedy Component Differs from Recalled Component :** New software has been added to the battery management system to detect abnormal battery cell voltage condition before an electrical short circuit occurs.

**Identify How/When Recall Condition was Corrected in Production :** Not applicable. The subject vehicles are no longer in production. In addition, the 2020MY Soul EV was not manufactured for sale in the U.S.

## Recall Schedule :

**Description of Recall Schedule :** Dealer notification is scheduled to begin and end on May 22, 2023 and the Owner notification is scheduled to begin and end on May 26, 2023.

**Planned Dealer Notification Date :** MAY 22, 2023 - MAY 22, 2023

**Planned Owner Notification Date :** MAY 26, 2023 - MAY 26, 2023

\* NR - Not Reported