

Part 573 Safety Recall Report

24V-358

Manufacturer Name : Kia America, Inc.

Submission Date : MAY 21, 2024

NHTSA Recall No. : 24V-358

Manufacturer Recall No. : SC314



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 : 2,209

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2022-2022 Kia Niro EV

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : HYBRID ELECTRIC

Descriptive Information : Certain 2022 model year Niro EV vehicles manufactured from July 21, 2021 through December 2, 2021.

The recall population was determined by a review of vehicle and supplier production 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 21, 2021 -DEC 02, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : Over time, the contact surfaces of the high voltage battery safety plug may develop high electrical resistance. Although the exact cause of this high resistance in the safety plug has not been confirmed, Kia suspects it is due to a supplier deviation in the manufacturing of the Female-Female (F-F) terminal. If high electrical resistance occurs while driving or during battery charging, the safety plug may melt, thereby increasing the risk of loss of motive power and/or fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A loss of motive power increases the risk of a crash. A fire increases the risk of injury.

Description of the Cause : Root cause is not confirmed; however, supplier deviation in the manufacturing of the safety plug's Female-Female terminal is suspected.

Identification of Any Warning that can Occur : Illumination of the EV Service Warning light, smell of melting plastics and/or smoke.

Involved Components :

Component Name 1 : SAFETY PLUG ASSY-FEMALE

Component Description : Safety Plug Assembly (Female)

Component Part Number : 37518-K4000

Supplier Identification :

Component Manufacturer

Name : KET

Address : 123, Eunbong-ro, Namdong-gu
Incheon Foreign States 21639

Country : Korea, Republic of

Chronology :

See attached document titled "2022MY Niro EV High Voltage Battery Safety Plug 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 vehicle to a Kia dealer. Kia dealers will be instructed to replace the safety plug with a new one. Kia will instruct owners not to charge their vehicle in a garage or any other covered structure until the recall repair is completed. Kia will reimburse owners for repair expenses already incurred pursuant to Kia's General Reimbursement Plan filed May 1, 2024.

How Remedy Component Differs from Recalled Component : The remedy component has a solid bus bar connection with no Female-Female terminal.

Identify How/When Recall Condition was Corrected in Production : 2022MY Niro vehicles manufactured beginning on 12/3/2021 are equipped with safety plugs without any supplier manufacturing deviations in the Female-Female terminal.

Recall Schedule :

Description of Recall Schedule : The planned dealer notification begin and end date is July 16, 2024. The planned owner notification begin and end date is July 19, 2024.

Planned Dealer Notification Date : JUL 16, 2024 - JUL 16, 2024

Planned Owner Notification Date : JUL 19, 2024 - JUL 19, 2024

* NR - Not Reported