

Part 573 Safety Recall Report

24V-200

Manufacturer Name : Kia America, Inc.

Submission Date : MAR 14, 2024

NHTSA Recall No. : 24V-200

Manufacturer Recall No. : SC302



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 : 48,232

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2022-2024 Kia EV6

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : HYBRID ELECTRIC

Descriptive Information : All 2022-2023 model year and certain 2024 model year EV6 vehicles manufactured from November 17, 2021 through February 7, 2024 (48,232 units).

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 : NOV 17, 2021 - FEB 07, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The Integrated Charging Control Unit (ICCU) may become damaged over time from transient high voltage and thermal cycling. A damaged ICCU may not be able to charge the 12-volt battery which can discharge gradually while driving with progressive reductions of motive power. If the driver ignores the warnings associated with the discharging battery condition and continues to operate the vehicle in a reduced power mode, the vehicle may eventually experience a complete loss of motive power.

FMVSS 1 : NR

FMVSS 2 : NR

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

Description of the Cause : Thermal loading and transient high voltage can damage the ICCU.

Identification of Any Warning that can Occur : Audible warning chimes and one or more of the following: Illumination of "Check Electric Vehicle System" warning light, Master warning light, Charging system warning light, "Stop vehicle and check power supply" warning light, power down (turtle) warning light and /or reductions in motive power.

Involved Components :

Component Name 1 : ICCU ASSY

Component Description : ICCU Assembly

Component Part Number : 36400-1XFA0 / 36400-1XFA0QQK

Supplier Identification :

Component Manufacturer

Name : Hyundai Mobis

Address : 203 Teheran-ro, Gangnam-gu
Seoul Foreign States 06141

Country : Korea, Republic of

Chronology :

See attached document titled "2022-2024MY EV6 ICCU Assembly 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 dealers will inspect the ICCU and if necessary, replace the ICCU and ICCU fuse. Dealers will also install updated software to address the recall condition.

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 : The improved ICCU software decreases thermal loading and lowers peak voltage during operation to mitigate damage to the ICCU.

Identify How/When Recall Condition was Corrected in Production : 2024MY EV6 vehicles manufactured after 2/27/2024 were produced with improved ICCU software. 2024MY EV6 vehicles produced from 2/8/24 to 2/27/2024 are being repaired at the port prior to distribution to dealers and thus are not included within the scope of this recall.

Recall Schedule :

Description of Recall Schedule : The planned dealer notification start and end date is April 25, 2024. The planned owner notification start and end date is April 29, 2024.

Planned Dealer Notification Date : APR 25, 2024 - APR 25, 2024

Planned Owner Notification Date : APR 29, 2024 - APR 29, 2024

* NR - Not Reported