

Part 573 Safety Recall Report

24V-204

Manufacturer Name : Hyundai Motor America**Submission Date :** MAY 02, 2024**NHTSA Recall No. :** 24V-204**Manufacturer Recall No. :** 257/021G**Manufacturer Information :**

Manufacturer Name : Hyundai Motor America

Address : 10550 Talbert Avenue

Fountain Valley CA 92708

Company phone : 800-633-5151

Population :

Number of potentially involved : 99,044

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2022-2024 Hyundai IONIQ 5

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : The subject vehicles include 69,468 model year 2022-2024 Hyundai IONIQ 5 vehicles produced on the specified dates by Hyundai Motor Company ("HMC") for sale in the U.S. market, including three (3) vehicles used in Robotaxi fleets.

Production Dates : OCT 04, 2021 - FEB 19, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2023-2024 Hyundai IONIQ 6

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The subject vehicles include 18,024 model year 2023-2024 Hyundai IONIQ 6 vehicles produced on the specified dates by HMC for sale in the U.S. market.

Production Dates : DEC 14, 2022 - DEC 25, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2023-2024 Genesis GV60

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : The subject vehicles include 6,716 model year 2023-2024 Genesis GV60 vehicles produced on the specified dates by HMC for sale in the U.S. market.

Production Dates : FEB 04, 2022 - FEB 02, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 4 : 2023-2024 Genesis GV70 "Electrified"

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : The subject vehicles include 3,083 model year 2023-2024 Genesis GV70 electric vehicles produced on the specified dates by HMC for sale in the U.S. market.

Production Dates : JAN 25, 2023 - MAR 12, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2023-2024 Genesis G80 "Electrified"

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The subject vehicles include 1,753 model year 2023-2024 Genesis G80 electric vehicles produced on the specified dates by HMC for sale in the U.S. market.

Production Dates : FEB 23, 2022 - JAN 15, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The subject vehicles are equipped with an Integrated Charging Control Unit ("ICCU") which charges the vehicle's 12-volt auxiliary battery and powers low voltage vehicle accessory equipment. The ICCU may be subject to certain electrical load conditions that can damage internal components and open the ICCU fuse. An open ICCU fuse results in an inability to charge the 12-volt auxiliary battery. Upon fault detection, and accompanied by a series of driver warnings, the vehicle will enter a design-intended "fail-safe" driving mode that allows immediate full propulsion while gradually reducing motive power over an extended time period. Vehicle systems such as air bags, braking, and powered steering remain operational.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the vehicle continues to be driven an extended distance in "fail-safe" mode with the MIL illuminated and warning message(s) in the instrument cluster, the vehicle could eventually lose all motive power, potentially increasing the risk of a crash.

Description of the Cause : The ICCU internal componentry can become damaged due to various conditions such as overcurrent, overvoltage induced at the end of high-voltage battery charging, and certain thermal loading during operation or driving.

Identification of Any Warning : The following warning symptoms will occur when an ICCU fault is detected and present:

- that can Occur :
- A. Illumination of MIL in vehicle instrument cluster
 - B. Audible chime
 - C. Warning messages displayed in vehicle instrument cluster
 - D. Reduced motive power or inability to accelerate above a certain speed

The vehicle retains motive power for approximately 22-45 minutes after the initial ICCU fault detection. The available range is dependent upon 12-volt vehicle accessory load.

Involved Components :

Component Name 1 : ICCU ASSEMBLY

Component Description : Integrated Charging Control Unit for IONIQ 5

Component Part Number : 36400-1XAA0

Component Name 2 : ICCU ASSEMBLY

Component Description : Integrated Charging Control Unit for IONIQ 6

Component Part Number : 36400-1XEA0

Component Name 3 : ICCU ASSEMBLY

Component Description : Integrated Charging Control Unit for GV60

Component Part Number : 36400-1XCA0

Component Name 4 : ICCU ASSEMBLY

Component Description : Integrated Charging Control Unit for GV70 EV

Component Part Number : 36400-1XDA0

Component Name 5 : ICCU ASSEMBLY

Component Description : Integrated Charging Control Unit for G80 EV

Component Part Number : 36400-1XBA0

Supplier Identification :

Component Manufacturer

Name : MOBIS Corporation
Address : 203 Teheran-ro, Gangnam-gu
Seoul Foreign States 06141
Country : Korea, Republic of

Chronology :

Please see attached chronology of events leading up to defect decision.

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 Hyundai dealer or Genesis retailer to have the ICCU software updated. Additionally, the ICCU and associated fuse will be inspected and replaced, if necessary. The remedy will be offered at no cost to owners for all affected vehicles, regardless of whether the affected vehicles are still covered under Hyundai's or Genesis' New Vehicle Limited Warranty. Additionally, Hyundai/Genesis will provide owners of affected vehicles reimbursement for out-of-pocket expenses incurred to obtain a remedy for the recall condition in accordance with the reimbursement plan submitted to NHTSA on February 22, 2024.

How Remedy Component Differs from Recalled Component : The remedy ICCU software prevents overcurrent and implements voltage peak reduction at the end of EV battery charging. The remedy software also revises the electric water pump operational threshold to reduce thermal loading during charging and driving.

Identify How/When Recall Condition was Corrected in Production : The updated ICCU software was implemented as a production running change from February 29, 2024, through March 5, 2024, according to the specific affected model.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified electronically on the specified dates. Owners will be notified via certified mail on the specified dates.
Planned Dealer Notification Date : MAY 14, 2024 - MAY 14, 2024
Planned Owner Notification Date : MAY 14, 2024 - MAY 14, 2024

* NR - Not Reported