## Part 573 Safety Recall Report

| Manufacturer Name :       | Hyundai Motor America |  |
|---------------------------|-----------------------|--|
| Submission Date :         | DEC 16, 2024          |  |
| <b>NHTSA Recall No. :</b> | 24V-868               |  |
| Manufacturer Recall No. : | 272 (H), 025G (G)     |  |

#### **Manufacturer Information :**

| Manufacturer Name : | Hyundai Motor America    |
|---------------------|--------------------------|
| Address :           | 10550 Talbert Avenue     |
|                     | Fountain Valley CA 92708 |
| Company phone :     | 800-633-5151             |

### Vehicle Information :

| Vehicle Type :<br>Body Style :                  | 2023-2025 Gene<br>LIGHT VEHICLE<br>4-DOOR<br>HYBRID ELECTH | S  |                      |   |                    |
|---|--|--|----------------------|---|--------------------|
| Descriptive Information :                       | dates by HMČ fo  | r sale in the U.S  | . marke              | 80 Electric vehicles produ<br>t. The affected vehicle pop<br>eviously involved in Genes | oulation includes  |
| Production Dates :                              | FEB 23, 2022 - A   | UG 22, 2024  |                      |   |                    |
| VIN Range 1:                                    | Begin :  | NR   | End :                | NR  | □ Not sequential   |
| Vehicle Type :<br>Body Style :<br>Power Train : | HYBRID ELECTH<br>100,965 model y<br>dates by Hyunda        | S<br>RIC<br>year 2022-2024<br>ai Motor Compa<br>on includes mo | iny ("HN<br>del year | ai IONIQ 5 vehicles produc<br>//C") for sale in the U.S. mai<br>2022-2024 IONIQ 5 vehic | rket. The affected |
| Production Dates :                              |  |  |                      | ND  |                    |
| VIN Range 1:                                    | Begin :  | NR   | End :                | NK  | ☐ Not sequential   |
|   |  |  |                      |   |                    |



Number of potentially involved : 145,351 Estimated percentage with defect : 1 %

**Population :** 

### 24V-868

# Part 573 Safety Recall Report

24V-868

Page 2

| Vehicle 3:       2023-2025 Genesis GV70         Vehicle Type :       LIGHT VEHICLES         Body Style :       SUV         Power Train :       HYBRID ELECTRIC         ccriptive Information :       5,270 model year 2023-2025 Genesis GV70 "Electrified" vehicles produced on the specified dates by Hyundai Motor Manufacturing Alabama ("HMMA") for sale in the S. market. The affected vehicle population includes model year 2023-2024 GV70 vehicles previously involved in Genesis Recall 021G.         Production Dates :       JAN 25, 2023 - NOV 09, 2024         VIN Range 1 : Begin :       NR         End :       NR         Vehicle 4:       2023-2025 Genesis GV60         Vehicle 7ppe :       LIGHT VEHICLES         Body Style :       HATCHBACK         Power Train :       HYBRID ELECTRIC         ccriptive Information :       8,158 model year 2023-2025 Genesis GV60 vehicles produced on the specified date by HMC for sale in the U.S. market. The affected vehicle population includes model year 2023-2024 GV60 vehicles previously involved in Genesis Recall 021G.         Production Dates :       FEB 04, 2022 - SEP 27, 2024         VIN Range 1 : Begin :       NR       End :       NR       Ind :       Not sequentia         Vehicle 5 :       2023-2025 Hyundai IONIQ 6       Vehicles produced on the specified date by HMC for sale in the U.S. market. The affected vehicle population includes model year 2023-2024 SUNQ 6 vehicles produced on th  |                                |                              |                                   |  |                               |
|---|--------------------------------|------------------------------|-----------------------------------|--|-------------------------------|
| Vehicle Type :       LIGHT VEHICLES         Body Style :       SUV         Power Train :       HYBRID ELECTRIC         ccriptive Information :       5,270 model year 2023-2025 Genesis GV70 "Electrified" vehicles produced on the specified dates by Hyundai Motor Manufacturing Alabama ("HMMA") for sale in the S. market. The affected vehicle population includes model year 2023-2024 GV70 vehicles previously involved in Genesis Recall 021G.         Production Dates :       JAN 25, 2023 - NOV 09, 2024         VIN Range 1 : Begin :       NR       End :       NR         Vehicle 4 :       2023-2025 Genesis GV60         Vehicle Type :       LIGHT VEHICLES       Body Style :       HATCHBACK         Power Train :       HYBRID ELECTRIC       Not sequentia         ccriptive Information :       8,158 model year 2023-2025 Genesis GV60 vehicles produced on the specified date by HMC for sale in the US. market. The affected vehicle population includes model year 2023-2024 GV60 vehicles produced on the specified date by HMC for sale in the US. market. The affected vehicle population includes model year 2023-2024 GV60 vehicles produced in Genesis Recall 021G.         Production Dates :       FEB 04, 2022 - SEP 27, 2024         VIN Range 1 : Begin :       NR       End :       NR       Ind :       Not sequentia         Vehicle 5 :       2023-2025 Hyundai IONIQ 6       Vehicle Type :       LIGHT VEHICLES       Body Style :       4-DOOR       Power Train :  | Vehicle 3:                     | 2023-2025                    | Genesis GV70                      |  |                               |
| Body Style :       SUV         Power Train :       HYBRID ELECTRIC         scriptive Information :       5,270 model year 2023-2025 Genesis GV70 "Electrified" vehicles produced on the specified dates by Hyundai Motor Manufacturing Alabama ("HMMA") for sale in the S. market. The affected vehicle population includes model year 2023-2024 GV70 vehicles previously involved in Genesis Recall 021G.         Production Dates :       JAN 25, 2023 -NOV 09, 2024         VIN Range 1 :       Begin :       NR       End :       NR       Not sequentia         Vehicle 4 :       2023-2025 Genesis GV60       Vehicle 4:       2023-2025 Genesis GV60       Vehicle 4:       2023-2025 Genesis GV60         Vehicle 5 :       LIGHT VEHICLES       Body Style :       HATCHBACK       Power Train :       HYBRID ELECTRIC         scriptive Information :       8,158 model year 2023-2025 Genesis GV60 vehicles produced on the specified date by HMC for sale in the U.S. market. The affected vehicle population includes model year 2023-2024 GV60 vehicles previously involved in Genesis Recall 021G.         Production Dates :       FEB 04, 2022 - SEP 27, 2024         VIN Range 1 :       Begin :       NR       End :       NR       Not sequentia         Vehicle 5 :       2023-2025 Hyundai IONIQ 6       Vehicle Type :       LIGHT VEHICLES       Body Style :       4-DOOR         Body Style :       4-DOOR       Senodel year 2023-2025 Hyundai IONIQ 6 vehicl  |                                |                              |                                   |  |                               |
| Power Train :       HYBRID ELECTRIC         ccriptive Information :       5,270 model year 2023-2025 Genesis GV70 "Electrified" vehicles produced on the specified dates by Hyundai Motor Manufacturing Alabama ("HMMA") for sale in the S. market. The affected vehicle population includes model year 2023-2024 GV70 vehicles previously involved in Genesis Recall 021G.         Production Dates :       JAN 25, 2023 -NOV 09, 2024         VIN Range 1 : Begin :       NR       End :       NR       Interpretation includes model year 2023-2024 GV70 vehicles previously involved in Genesis Recall 021G.         Vehicle 4 :       2023-2025 Genesis GV60       Vehicle Type :       LIGHT VEHICLES         Body Style :       HATCHBACK       Power Train :       HYBRID ELECTRIC         ccriptive Information :       8,158 model year 2023-2025 Genesis GV60 vehicles produced on the specified date by HMC for sale in the U.S. market. The affected vehicle population includes model year 2023-2024 GV60 vehicles previously involved in Genesis Recall 021G.         Production Dates :       FEB 04, 2022 - SEP 27, 2024         VIN Range 1 : Begin :       NR       End :       NR         Vehicle 5 :       2023-2025 Hyundai IONIQ 6       Vehicle Type :       LIGHT VEHICLES         Body Style :       4-DOOR       Power Train :       HYBRID ELECTRIC         ccriptive Information :       28,960 model year 2023-2025 Hyundai IONIQ 6 vehicles produced on the specified dates by HMC for sale in the U.S. market. The affected vehi  | • •                            |                              |                                   |  |                               |
| specified dates by Hyundai Motor Manufacturing Alabama ("HMMA") for sale in the<br>S. market. The affected vehicle population includes model year 2023-2024 GV70<br>vehicles previously involved in Genesis Recall 021G.<br>Production Dates : JAN 25, 2023 - NOV 09, 2024<br>VIN Range 1 : Begin : NR End : NR ONT sequentia<br>Vehicle 4 : 2023-2025 Genesis GV60<br>Vehicle Type : LIGHT VEHICLES<br>Body Style : HATCHBACK<br>Power Train : HYBRID ELECTRIC<br>scriptive Information : 8,158 model year 2023-2025 Genesis GV60 vehicles produced on the specified date<br>by HMC for sale in the U.S. market. The affected vehicle population includes model<br>year 2023-2024 GV60 vehicles previously involved in Genesis Recall 021G.<br>Production Dates : FEB 04, 2022 - SEP 27, 2024<br>VIN Range 1 : Begin : NR End : NR ONT sequentia<br>Vehicle 5 : 2023-2025 Hyundai IONIQ 6<br>Vehicle Type : LIGHT VEHICLES<br>Body Style : 4-DOOR<br>Power Train : HYBRID ELECTRIC<br>scriptive Information : 28,960 model year 2023-2025 Hyundai IONIQ 6 vehicles produced on the specified<br>dates by HMC for sale in the U.S. market. The affected vehicle population includes<br>model year 2023-2024 IONIQ 6 vehicles previously involved in Hyundai Recall 257<br>Production Dates : DEC 14, 2022 - OCT 09, 2024  | 0 0                            |                              | ECTRIC                            |  |                               |
| VIN Range 1 : Begin :       NR       End :       NR       Ind :       Not sequential         Vehicle 4 :       2023-2025 Genesis GV60         Vehicle Type :       LIGHT VEHICLES         Body Style :       HATCHBACK         Power Train :       HYBRID ELECTRIC         scriptive Information :       8,158 model year 2023-2025 Genesis GV60 vehicles produced on the specified dated by HMC for sale in the U.S. market. The affected vehicle population includes model year 2023-2024 GV60 vehicles previously involved in Genesis Recall 021G.         Production Dates :       FEB 04, 2022 - SEP 27, 2024         VIN Range 1 : Begin :       NR         End :       NR         Vehicle 5 :       2023-2025 Hyundai IONIQ 6         Vehicle 5 :       2023-2024 CVCOR         Power Train :       HYBRID ELECTRIC         scriptive Information :       28,960 model year 2023-2025 Hyundai IONIQ 6 vehicles produced on the specified dates by HMC for sale in the U.S. market. The affected vehicle population includes model year 2023-2024 IONIQ 6 vehicles previously involved in Hyundai Recall 257         Produc   | Descriptive Information :      | specified da<br>S. market. ' | ates by Hyunda<br>The affected ve | i Motor Manufacturing Ala<br>hicle population includes n | bama ("HMMA") for sale in the |
| Vehicle 4:       2023-2025 Genesis GV60         Vehicle Type :       LIGHT VEHICLES         Body Style :       HATCHBACK         Power Train :       HYBRID ELECTRIC         acriptive Information :       8,158 model year 2023-2025 Genesis GV60 vehicles produced on the specified date by HMC for sale in the U.S. market. The affected vehicle population includes model year 2023-2024 GV60 vehicles previously involved in Genesis Recall 021G.         Production Dates :       FEB 04, 2022 - SEP 27, 2024         VIN Range 1 :       Begin :       NR         End :       NR       Not sequentiat         Vehicle 5 :       2023-2025 Hyundai IONIQ 6         Vehicle 5 :       2023-2024 Hyundai IONIQ 6         Vehicle 5 :       2023-2024 Hyundai IONIQ 6         Vehicle 5 :       2023-2024 IONIQ 6         Vehicle 5 :  | Production Dates :             | JAN 25, 202                  | 23 - NOV 09, 202                  | 24   |                               |
| Vehicle Type :LIGHT VEHICLES<br>Body Style :HATCHBACK<br>Power Train :HYBRID ELECTRICscriptive Information :8,158 model year 2023-2025 Genesis GV60 vehicles produced on the specified date<br>by HMC for sale in the U.S. market. The affected vehicle population includes model<br>year 2023-2024 GV60 vehicles previously involved in Genesis Recall 021G.Production Dates :FEB 04, 2022 - SEP 27, 2024<br>VIN Range 1 : Begin :NREnd :NRNot sequentiaVehicle 5 :2023-2025 Hyundai IONIQ 6<br>Vehicle Type :LIGHT VEHICLES<br>Body Style :Not sequentiaVehicle 5 :2023-2025 Hyundai IONIQ 6<br>Vehicle Type :LIGHT VEHICLES<br>Sody Style :Not sequentiaVehicle 5 :2023-2025 Hyundai IONIQ 6<br>Vehicle Type :Standard Constantia IONIQ 6<br>Vehicle Type :Not sequentiaVehicle 5 :2023-2025 Hyundai IONIQ 6<br>Vehicle Type :Standard Constantia IONIQ 6<br>Vehicle Type :Not sequentiaVehicle 5 :2023-2025 Hyundai IONIQ 6<br>Vehicle Type :Standard Constantia IONIQ 6<br>Vehicle Type :Standard Constantia IONIQ 6<br>Vehicle Type :Vehicle 5 :2023-2023-2023-2023-2023-2023-2025 Hyundai IONIQ 6 vehicles produced on the specified<br>dates by HMC for sale in the U.S. market. The affected vehicle population includes<br>model year 2023-2023-2024 IONIQ 6 vehicles previously involved in Hyundai Recall 257Production Dates :DEC 14, 2022 - OCT 09, 2024  | VIN Range 1:                   | Begin :                      | NR                                | End: NR  | 🗌 Not sequenti                |
| Body Style:       HATCHBACK         Power Train:       HYBRID ELECTRIC         scriptive Information:       8,158 model year 2023-2025 Genesis GV60 vehicles produced on the specified date by HMC for sale in the U.S. market. The affected vehicle population includes model year 2023-2024 GV60 vehicles previously involved in Genesis Recall 021G.         Production Dates:       FEB 04, 2022 - SEP 27, 2024         VIN Range 1:       Begin:       NR         End:       NR       India Not sequentia         Vehicle 5:       2023-2025 Hyundai IONIQ 6         Vehicle 5:       2023-2025 Hyundai IONIQ 6         Vehicle 7ype:       LIGHT VEHICLES         Body Style:       4-DOOR         Power Train:       HYBRID ELECTRIC         scriptive Information:       28,960 model year 2023-2025 Hyundai IONIQ 6 vehicles produced on the specified dates by HMC for sale in the U.S. market. The affected vehicle population includes model year 2023-2024 IONIQ 6 vehicles previously involved in Hyundai Recall 257         Production Dates:       DEC 14, 2022 - OCT 09, 2024  | Vehicle 4:                     | 2023-2025                    | Genesis GV60                      |  |                               |
| Power Train :       HYBRID ELECTRIC         acriptive Information :       8,158 model year 2023-2025 Genesis GV60 vehicles produced on the specified date by HMC for sale in the U.S. market. The affected vehicle population includes model year 2023-2024 GV60 vehicles previously involved in Genesis Recall 021G.         Production Dates :       FEB 04, 2022 - SEP 27, 2024         VIN Range 1 :       Begin :       NR       End :       NR       In Not sequentia         Vehicle 5 :       2023-2025 Hyundai IONIQ 6       Vehicle Type :       LIGHT VEHICLES       Not sequentia         Body Style :       4-DOOR       Power Train :       HYBRID ELECTRIC       States by HMC for sale in the U.S. market. The affected vehicle population includes model year 2023-2024 IONIQ 6 vehicles previously involved in Hyundai Recall 257         Production Dates :       DEC 14, 2022 - OCT 09, 2024       Dec 14, 2022 - OCT 09, 2024  | Vehicle Type :                 | LIGHT VEH                    | ICLES                             |  |                               |
| Power Train :       HYBRID ELECTRIC         acriptive Information :       8,158 model year 2023-2025 Genesis GV60 vehicles produced on the specified date by HMC for sale in the U.S. market. The affected vehicle population includes model year 2023-2024 GV60 vehicles previously involved in Genesis Recall 021G.         Production Dates :       FEB 04, 2022 - SEP 27, 2024         VIN Range 1 :       Begin :       NR       End :       NR       In Not sequentia         Vehicle 5 :       2023-2025 Hyundai IONIQ 6       Vehicle Type :       LIGHT VEHICLES       Not sequentia         Body Style :       4-DOOR       Power Train :       HYBRID ELECTRIC       State | • •                            |                              |                                   |  |                               |
| by HMC for sale in the U.S. market. The affected vehicle population includes model<br>year 2023-2024 GV60 vehicles previously involved in Genesis Recall 021G.<br>Production Dates : FEB 04, 2022 - SEP 27, 2024<br>VIN Range 1 : Begin : NR End : NR ONT sequentia<br>Vehicle 5 : 2023-2025 Hyundai IONIQ 6<br>Vehicle Type : LIGHT VEHICLES<br>Body Style : 4-DOOR<br>Power Train : HYBRID ELECTRIC<br>coriptive Information : 28,960 model year 2023-2025 Hyundai IONIQ 6 vehicles produced on the specified<br>dates by HMC for sale in the U.S. market. The affected vehicle population includes<br>model year 2023-2024 IONIQ 6 vehicles previously involved in Hyundai Recall 257<br>Production Dates : DEC 14, 2022 - OCT 09, 2024  | 0 0                            |                              |                                   |  |                               |
| Production Dates :       FEB 04, 2022 - SEP 27, 2024         VIN Range 1 : Begin :       NR       End :       NR       Not sequential         Vehicle 5 :       2023-2025 Hyundai IONIQ 6         Vehicle Type :       LIGHT VEHICLES         Body Style :       4-DOOR         Power Train :       HYBRID ELECTRIC         scriptive Information :       28,960 model year 2023-2025 Hyundai IONIQ 6 vehicles produced on the specified dates by HMC for sale in the U.S. market. The affected vehicle population includes model year 2023-2024 IONIQ 6 vehicles previously involved in Hyundai Recall 257         Production Dates :       DEC 14, 2022 - OCT 09, 2024  | Descriptive Information :      | by HMC for                   | sale in the U.S.                  | market. The affected vehic                               | cle population includes model |
| VIN Range 1 : Begin :       NR       End :       NR       Indiana         Vehicle 5 :       2023-2025 Hyundai IONIQ 6         Vehicle Type :       LIGHT VEHICLES         Body Style :       4-DOOR         Power Train :       HYBRID ELECTRIC         scriptive Information :       28,960 model year 2023-2025 Hyundai IONIQ 6 vehicles produced on the specified dates by HMC for sale in the U.S. market. The affected vehicle population includes model year 2023-2024 IONIQ 6 vehicles previously involved in Hyundai Recall 257         Production Dates :       DEC 14, 2022 - OCT 09, 2024  | Production Dates :             | -                            |                                   |  |                               |
| Vehicle Type :LIGHT VEHICLESBody Style :4-DOORPower Train :HYBRID ELECTRICcriptive Information :28,960 model year 2023-2025 Hyundai IONIQ 6 vehicles produced on the specified<br>dates by HMC for sale in the U.S. market. The affected vehicle population includes<br>model year 2023-2024 IONIQ 6 vehicles previously involved in Hyundai Recall 257Production Dates :DEC 14, 2022 - OCT 09, 2024  |                                |                              |                                   |  | 🗌 Not sequenti                |
| dates by HMC for sale in the U.S. market. The affected vehicle population includes<br>model year 2023-2024 IONIQ 6 vehicles previously involved in Hyundai Recall 257<br>Production Dates : DEC 14, 2022 - OCT 09, 2024   | Vehicle Type :<br>Body Style : | LIGHT VEH<br>4-DOOR          | ICLES                             | 96   |                               |
|   |                                | dates by HM                  | MC for sale in th                 | e U.S. market. The affected                              | d vehicle population includes |
| VIN Range 1 : Begin : NR End : NR Dot sequentia   |                                |                              |                                   |  |                               |
|   | VIN Range 1:                   | Begin :                      | NR                                | End: NR  | Not sequenti                  |
|   | Production Dates :             | model year<br>DEC 14, 202    | 2023-2024 IOI<br>22 - OCT 09, 20  | NIQ 6 vehicles previously in<br>24                       | nvolved in Hyundai Recall     |
|   |                                |                              |                                   |  |                               |

### **Description of Defect :**

| Description of the Defect :  | The subject vehicles are equipped with an Integrated Charging Control Unit<br>("ICCU") which charges the vehicle's 12-volt auxiliary battery and powers low-<br>voltage vehicle accessory equipment. The ICCU may be subject to certain<br>electrical load conditions that can cause the internal metal-oxide<br>semiconductor field-effect transistor ("MOSFET") to fail, potentially resulting in<br>an open ICCU fuse. An open ICCU fuse results in an inability to charge the 12-<br>volt battery. Upon fault detection, and accompanied by a series of driver<br>warnings, the vehicle will enter a design-intended "fail-safe" driving mode that<br>allows immediate full propulsion while gradually reducing motive power over<br>time as the vehicle's battery is discharged. Vehicle systems such as air bags,<br>braking, and powered steering remain operational. |
|--|--|
| FMVSS 1 :  |  |
| FMVSS 2 :  | NR   |
| Description of the Safety Risk :   | If the vehicle is driven until the 12-volt battery state-of-charge is fully depleted the vehicle will lose all motive power, potentially increasing the risk of a crash.   |
| Description of the Cause :   | The vehicle's "fail-safe" mode will trigger upon detection of a fault associated with:   |
|  | A. Overvoltage induced at the start and end of the vehicle's battery   |
|  | charging cycle.<br>B. Thermal loading during charging/driving.   |
|  | b. Therman foldung during charging, driving.   |
|  | <ul> <li>The following warning symptoms may occur during "fail-safe" mode driving over an approximate time period of 20-40 minutes:</li> <li>A. Various illumination of dashboard MIL.</li> <li>B. Audible chime</li> <li>C. Warning messages displayed in vehicle information display(s).</li> <li>D. Noticeable degradation in vehicle motive power or speed.</li> </ul>   |
| Involved Components :  |  |
| Component Name 1 : I<br>Component Description : I<br>Component Part Number : 3 | ntegrated Charging Control Unit  |
| Supplier Identification :  |  |
| The infor  | mation contained in this report was submitted pursuant to 49 CFR §573  |

| Component Manufacturer                                    |   |
|---|---|
| Name : MOBIS Corporation                                  |   |
| Address: 203 Teheran-ro                                   |   |
| Gangnam-gu Seoul Forei                                    | gn States 06141   |
| Country : Korea, Republic of                              |   |
| Chronology :  |   |
| Please see attached.                                      |   |
|   |   |
|   |   |
| 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, and the ICCU assembly and its associated fuse replaced, if necessary. This remedy will be offered at no cost to owners for all affected vehicles, regardless of whether the affecte vehicles are still covered under Hyundai's or Genesis' New Vehicle Limit 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<br>from Recalled Component : | The remedy ICCU software applies an LDC output voltage "soft start" tha<br>prevents overvoltage at the start and end of the vehicle's battery chargin<br>cycle. Additionally, improvements to radiator fan and water pump<br>operation improves thermal loading conditions during operation.  |
|   | The improved ICCU software was implemented as a production running change from November 2, 2024, for the subject vehicles.  |

| Description of Recall Schedule :   | Dealers will be notified electronically by the specified dates.    |
|------------------------------------|--|
|                                    | Owners will be notified via certified mail by the specified dates. |
| Planned Dealer Notification Date : | JAN 17, 2025 - JAN 17, 2025  |
| Planned Owner Notification Date :  | JAN 17, 2025 <sup>-</sup> JAN 17, 2025                             |

\* NR - Not Reported

The information contained in this report was submitted pursuant to 49 CFR §573