Part 573 Safety Recall Report 24V-868

Manufacturer Name : Hyundai Motor America
Submission Date : DEC 05, 2024
NHTSA Recall No. : 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

Population :

Number of potentially involved : 145,348
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 : 100,965 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. The affected vehicle population includes model year 2022-2024 IONIQ 5 vehicles previously involved in Hyundai Recall 257.
Production Dates : OCT 04, 2021 - OCT 09, 2024
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 2 : 2023-2025 Hyundai IONIQ 6
Vehicle Type : LIGHT VEHICLES
Body Style : 4-DOOR
Power Train : HYBRID ELECTRIC
Descriptive 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
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 3 :	2023-2025 Genesis GV60
Vehicle Type :	LIGHT VEHICLES
Body Style :	HATCHBACK
Power Train :	HYBRID ELECTRIC
Descriptive Information :	8,158 model year 2023-2025 Genesis GV60 vehicles produced on the specified dates 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 sequential

Vehicle 4 :	2023-2025 Genesis GV70
Vehicle Type :	LIGHT VEHICLES
Body Style :	SUV
Power Train :	HYBRID ELECTRIC
Descriptive 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 U. 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 sequential

Vehicle 5 :	2023-2024 Genesis G80
Vehicle Type :	LIGHT VEHICLES
Body Style :	4-DOOR
Power Train :	HYBRID ELECTRIC
Descriptive Information :	1,995 model year 2023-2024 Genesis G80 Electric vehicles produced on the specified dates by HMC for sale in the U.S. market. The affected vehicle population includes model year 2023-2024 G80 vehicles previously involved in Genesis Recall 021G.
Production Dates :	FEB 23, 2022 - AUG 22, 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 cause the internal metal-oxide semiconductor field-effect transistor ("MOSFET") to fail, potentially resulting in an open ICCU fuse. An open ICCU fuse results in an inability to charge the 12-volt 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 time as the vehicle's battery is discharged. 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 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. B. Thermal loading during charging/driving.
Identification of Any Warning that can Occur :	The following warning symptoms may occur during "fail-safe" mode driving over an approximate time period of 20-40 minutes: A. Various illumination of dashboard MIL. B. Audible chime C. Warning messages displayed in vehicle information display(s). D. Noticeable degradation in vehicle motive power or speed.

Involved Components :

Component Name 1 :	ICCU ASSEMBLY
Component Description :	Integrated Charging Control Unit
Component Part Number :	36400-1XAA0

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.

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 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 applies an LDC output voltage "soft start" that prevents overvoltage at the start and end of the vehicle's battery charging cycle. Additionally, improvements to radiator fan and water pump operation improves thermal loading conditions during operation.
Identify How/When Recall Condition was Corrected in Production :	The improved ICCU software was implemented as a production running change from November 2, 2024, for the subject vehicles.

Recall Schedule :

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 - JAN 17, 2025

* NR - Not Reported