Part 573 Safety Recall Report 25V-235

Manufacturer Name : Hyundai Motor America
Submission Date : APR 10, 2025
NHTSA Recall No. : 25V-235
Manufacturer Recall No. : 277

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 : 1,589
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2025-2025 Hyundai IONIQ 5
Vehicle Type : LIGHT VEHICLES
Body Style : SUV
Power Train : HYBRID ELECTRIC
Descriptive Information : Based on manufacturing and sales records, the subject vehicles include 1,589 model year 2025 Hyundai IONIQ 5 N vehicles produced on the specified dates by Hyundai Motor Company ("HMC") in Korea for sale in the U.S. market.
Production Dates : DEC 18, 2023 - JAN 07, 2025
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Description of Defect :

Description of the Defect : The subject vehicles are equipped with a Left-Foot Braking ("LFB") feature designed for use on performance roadways, such as racetracks. LFB allows operators to control vehicle speed through simultaneous operation of the accelerator and brake pedals. During certain driving maneuvers with LFB engaged, the Integrated Electronic Brake ("IEB") control software may initiate depressurization of the ABS system, resulting in reduced braking performance. Separately, the Vehicle Control Unit ("VCU") software may cause a momentary continued acceleration during release of the accelerator pedal if the vehicle's N e-Shift feature is engaged.
FMVSS 1 : NR
FMVSS 2 : NR
Description of the Safety Risk : Reduced braking performance could lead to longer stopping distances than anticipated by the operator, increasing the risk of a crash. Momentary continued acceleration could increase the risk of a crash.
Description of the Cause : An error in the IEB/VCU software logic could trigger depressurization of the ABS system when certain conditions involving simultaneous pedal actuation

	are met and LFB is engaged. Separately, erroneous software logic in the VCU could allow momentary continued acceleration without accelerator pedal input when the vehicle's N e-Shift mode is engaged.
Identification of Any Warning that can Occur :	None

Involved Components :

Component Name 1 :	Integrated Electrical Booster
Component Description :	IEB Integrated Electrical Booster (IONIQ 5 N specification)
Component Part Number :	58520-NI000

Component Name 2 :	Vehicle Control Unit
Component Description :	VCU Vehicle Control Unit (IONIQ 5 N specification)
Component Part Number :	39751-1XPN1

Supplier Identification :

Component Manufacturer

Name :	Hyundai MOBIS
Address :	17-2, Mabuk-ro 240 beon-gil Giheung-gu, Yongin-si Gyeonggi-do Foreign States 16891
Country :	Korea, Republic of

Chronology :

Please see Attachment A for the requested chronology.

Description of Remedy :

Description of Remedy Program :	While waiting for a recall remedy, owners are advised to not use the LFB or N e-Shift features on their vehicle(s) until the repair has been completed. Hyundai is planning to notify all owners of the subject vehicles by first class mail with instructions to bring their vehicles to a Hyundai dealer for an update to the latest versions of the associated IEB and VCU software. Additionally, Hyundai is planning to offer "over-the-air" ("OTA") software updates for all eligible vehicles where owners have opted in to receive such updates via their Bluelink system. This remedy will be offered at no cost to owners for all affected customers. Hyundai will provide reimbursement to owners for prior repairs in accordance with the plan submitted to NHTSA on February 22, 2024.
How Remedy Component Differs from Recalled Component :	The IEB and VCU software logic have been revised to mitigate the risk of ABS depressurization during LFB operation and momentary continued acceleration when engaging the N e-Shift feature.
Identify How/When Recall Condition was Corrected in Production :	The improved software was implemented as a production running change April 2, 2025.

Recall Schedule :

Description of Recall Schedule :	Dealers will be notified electronically by the specified dates. Owners will be notified by certified mail by the specified dates.
Planned Dealer Notification Date :	JUN 09, 2025 - JUN 09, 2025
Planned Owner Notification Date :	JUN 09, 2025 - JUN 09, 2025

* NR - Not Reported