

Part 573 Safety Recall Report

20V-748

Manufacturer Name : Hyundai Motor America**Submission Date :** DEC 01, 2020**NHTSA Recall No. :** 20V-748**Manufacturer Recall No. :** 199**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 : 8,176

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2019-2020 Hyundai Nexa

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : CNG/LPG

Descriptive Information : Approximately 472 model year 2019-2020 Hyundai Nexa Fuel Cell vehicles produced from August 8, 2018 through April 1, 2020 by Hyundai Motor Company for sale in the U.S. market.

Production Dates : AUG 08, 2018 - APR 01, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2019-2021 Hyundai Kona Electric

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 7704 model year 2019-2021 Hyundai Kona Electric vehicles produced from August 27, 2018 through November 5, 2020 by Hyundai Motor Company for sale in the U.S. market.

Production Dates : AUG 27, 2018 - NOV 05, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The subject vehicles are equipped with an Integrated Electronic Brake ("IEB") system that might illuminate the malfunction indicator lamp ("MIL") and significantly reduce braking performance upon detection of an abnormal sensor signal.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Reduced braking power could extend the vehicle's stopping distance and increase the risk of a crash.

Description of the Cause : The IEB motor control software logic automatically disables motor operation upon detection of an abnormal sensor signal.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : Hyundai Motor Company

Address : NR

NR

Country : NR

Chronology :

September to October 2020

HMC investigated certain warranty claims alleging illumination of the MIL and/or reduced braking performance on vehicles sold in the Korean market. A suspected root cause could not be initially determined due to an inability to replicate the alleged condition. HMC began monitoring new warranty claims and continued investigating the IEB system for potential causes.

November 2020

HMC identified a condition within the IEB motor control software that, in absence of proper "fail-safe" logic, would disable the IEB motor upon detection of an abnormal sensor signal thus reducing foundational brake performance. HMC notified HMA of their investigation results.

Based on the information received, on November 23, 2020 HMA convened its North American Safety Decision Authority and decided to conduct a safety recall to repair the condition on all involved vehicles in the U.S.

market.

Description of Remedy :

Description of Remedy Program : Hyundai Motor America plans to notify owners of affected vehicles to return their vehicles to their Hyundai dealers for an IEB unit software update. The remedy procedure will be performed at no charge. Hyundai will provide reimbursement to owners for repairs according to the plan submitted on May 16, 2018.

How Remedy Component Differs from Recalled Component : The software update maintains braking system performance when a fault is detected.

Identify How/When Recall Condition was Corrected in Production : The software update was introduced as a production running change in October 2020 for Nexo vehicles and November 2020 for Kona Electric vehicles.

Recall Schedule :

Description of Recall Schedule : Dealers and owners will be notified beginning in late January 2021.

Planned Dealer Notification Date : JAN 22, 2021 - JAN 22, 2021

Planned Owner Notification Date : JAN 22, 2021 - JAN 22, 2021

* NR - Not Reported