

Part 573 Safety Recall Report

22V-228

Manufacturer Name : Hyundai Motor America

Submission Date : APR 07, 2022

NHTSA Recall No. : 22V-228

Manufacturer Recall No. : 224



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 : 54

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2019-2019 Hyundai Nexo

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : CNG/LPG

Descriptive Information : Based on manufacturing records, the subject population for this recall includes certain 2019 model year Nexo vehicles produced by Hyundai Motor Company ("HMC") within the specified production date range for sale in the U.S.

Production Dates : AUG 10, 2018 - DEC 17, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : Immediately following hydrogen refueling, the receptacle filter material could detach, impacting the sealing performance of the hydrogen refueling inlet receptacle and increasing the risk of a hydrogen fuel leak.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Hydrogen fuel leakage in the presence of a potential ignition source increases the risk of a fire.

Description of the Cause : The supplier used a prototype epoxy-bonded filter in place of the original laser-welded filter specified by design.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : RECEPTACLE ASSY-FILLING

Component Description : HYDROGEN FUEL FILLING RECEPTACLE ASSEMBLY

Component Part Number : 35950-M5000

Supplier Identification :

Component Manufacturer

Name : Motonic Corporation

Address : 67, Seongjusaneopdanji-ro 3-gil
Seongju-eup, Seongju-gun Gyeongsangbuk-do Foreign States 40031

Country : Korea, Republic of

Chronology :

March 2022

On March 16, 2022, HMC notified HMA's NASO of an incident involving a 2019MY Nexo vehicle that caught fire after refueling at a hydrogen fueling station in South Korea. According to HMC's analysis of the incident, material from the fuel inlet receptacle filter detached shortly after fueling was completed allowing hydrogen fuel to leak from the receptacle into the fuel filler compartment. The operator allegedly heard an abnormal noise from the rear of vehicle and opened the fuel filler door to investigate. Hyundai believes the vehicle operator's hand discharged static electricity when making contact with the fueling cap, igniting the leaked hydrogen fuel and causing a fuel filler compartment fire. The fuel filler compartment fire was extinguished within seconds of detection by the refueling station fire suppression system.

On March 21, 2022, HMC informed NASO that the supplier of the fuel inlet receptacle used a prototype epoxy-bonded filter in place of the design-specific laser-welded filter. Based on this information, on March 31, 2022, NASO convened its North America Safety Decision Authority and decided to conduct a new recall of affected Hyundai Nexo vehicles in the U.S. to address the defect condition involving the hydrogen fuel inlet receptacle filter.

As of the date of this filing, Hyundai is only aware of the one (1) incident in South Korea that resulted in a fire.

Description of Remedy :

Description of Remedy Program : Hyundai Motor America plans to notify owners of affected vehicles by first class mail with instructions to bring their vehicles to a Hyundai dealer to have the hydrogen fuel inlet receptacle replaced. 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 New Vehicle Limited Warranty. Additionally, Hyundai 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 24, 2022.

How Remedy Component Differs from Recalled Component : The remedy receptacle assembly is produced with a laser-welded filter and meets the original design specification for use in the subject vehicles.

Identify How/When Recall Condition was Corrected in Production : N/A

Recall Schedule :

Description of Recall Schedule : Dealers and owners will be notified in early June 2022.

Planned Dealer Notification Date : JUN 06, 2022 - JUN 06, 2022

Planned Owner Notification Date : JUN 06, 2022 - JUN 06, 2022

* NR - Not Reported