

# Part 573 Safety Recall Report

# 20V-213

**Manufacturer Name :** Hyundai Motor America**Submission Date :** APR 09, 2020**NHTSA Recall No. :** 20V-213**Manufacturer Recall No. :** 191**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 : 11,870

Estimated percentage with defect : 1 %

**Vehicle Information :**

Vehicle 1 : 2020-2020 Hyundai Nexa

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : CNG/LPG

**Descriptive Information :** The subject vehicles include certain model year 2020 Hyundai Nexa vehicles produced between August 16, 2019 and February 18, 2020 by Hyundai Motor Company ("HMC") for sale in the U.S. market.

Production Dates : AUG 16, 2019 - FEB 18, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2020-2020 Hyundai Sonata

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

**Descriptive Information :** The subject vehicles include certain model year 2020 Hyundai Sonata vehicles produced between October 22, 2019 and March 10, 2020 by Hyundai Motor Manufacturing Alabama ("HMMA") for sale in the U.S. market.

Production Dates : OCT 22, 2019 - MAR 10, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

**Description of the Defect :** The RSPA feature in the subject vehicles is programmed with a "fail-safe" mode that will prevent vehicle movement upon detection of a system malfunction during normal operation. In limited instances, an error in the RSPA software programming could cause the vehicle to continue to move in its last commanded direction even while a system malfunction is detected.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Unintended movement of an unoccupied vehicle could increase the risk of a crash and injury to bystanders. There have been no crashes or injuries associated with this condition in the U.S. market.

Description of the Cause : The RSPA controller software contains a programming error causing a glitch during fail-safe operation.

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 : MOBIS

Address : 95, Sayang 2-gil  
Munbaek-myeon Jincheon-gun, Chungcheongbuk FOREIGN STATES 27862

Country : Korea, Republic of

## Chronology :

In February 2020, an anomaly event that disabled operation of the “fail-safe” mode, which stops all vehicle movement upon detection of a system malfunction, was discovered by HMC during routine developmental testing of the RSPA feature. HMC quickly identified erroneous coding in the RPSA software as the root cause and implemented a software running change for affected Hyundai models.

In March 2020, HMC received a report of a 2020 Sonata vehicle in the Korean market indicating the vehicle continued to move without stopping while performing a parking maneuver commanded by the RSPA feature. HMC noted that the incident vehicle contained the older RSPA software version and continued studying the effects of the software glitch identified in the previous month.

From March 16, 2020 to April 1, 2020, HMC conducted its own testing and was able to confirm that, in some instances of RSPA operation, the test vehicle continued moving in its last commanded direction despite the triggering of the “fail-safe” mode. HMC subsequently notified all affected distributors of its findings and

advised each to consider the appropriate action to address the condition in their respective markets. Based on this information, on April 2, 2020, HMA convened its North America Technical Committee and decided to conduct a voluntary safety recall of affected 2020 Hyundai Nexo and Sonata vehicles in the U.S. market for correction.

Hyundai is not aware of any incidents, crashes, or injuries associated with this condition in the U.S. market.

### Description of Remedy :

Description of Remedy Program : Hyundai plans to notify owners to return their vehicles to a Hyundai dealer for reprogramming of the RSPA software. 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 new software is programmed correctly to prevent the glitch.

Identify How/When Recall Condition was Corrected in Production : The updated software was implemented in Nexo production on February 20, 2020 and Sonata production on March 06, 2020.

### Recall Schedule :

Description of Recall Schedule : Owners and dealers will be notified according to the specified dates in this report.

Planned Dealer Notification Date : JUN 04, 2020 - JUN 04, 2020

Planned Owner Notification Date : JUN 04, 2020 - JUN 04, 2020

\* NR - Not Reported