

Part 573 Safety Recall Report

23V-181

Manufacturer Name : Hyundai Motor America**Submission Date :** MAR 17, 2023**NHTSA Recall No. :** 23V-181**Manufacturer Recall No. :** 244**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 : 567,912

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2019-2023 Hyundai Santa Fe

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 40,659 tow hitch harnesses were included with an accessory tow hitch or sold as a service part for use in model year 2019-2023 Santa Fe, model year 2021-2023 Santa Fe Hybrid, model year 2022-2023 Santa Fe Plug-in, and model year 2022-2023 Santa Cruz vehicles in the U.S. To identify all vehicles equipped with potentially affected tow hitch harnesses, all applicable vehicles produced from start of production (SOP) through March 13, 2023 for sale in the U.S. are expected to be involved in this recall.

Production Dates : MAY 23, 2018 - MAR 13, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2021-2023 Hyundai Santa Fe HEV

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 40,659 tow hitch harnesses were included with an accessory tow hitch or sold as a service part for use in model year 2019-2023 Santa Fe, model year 2021-2023 Santa Fe Hybrid, model year 2022-2023 Santa Fe Plug-in, and model year 2022-2023 Santa Cruz vehicles in the U.S. To identify all vehicles equipped with potentially affected tow hitch harnesses, all applicable vehicles produced from start of production (SOP) through March 13, 2023 for sale in the U.S. are expected to be involved in this recall.

Production Dates : DEC 18, 2020 - MAR 13, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2022-2023 Hyundai Santa Fe Plug-in HEV

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 40,659 tow hitch harnesses were included with an accessory tow hitch or sold as a service part for use in model year 2019-2023 Santa Fe, model year 2021-2023 Santa Fe Hybrid, model year 2022-2023 Santa Fe Plug-in, and model year 2022-2023 Santa Cruz vehicles in the U.S. To identify all vehicles equipped with potentially affected tow hitch harnesses, all applicable vehicles produced from start of production (SOP) through March 13, 2023 for sale in the U.S. are expected to be involved in this recall.

Production Dates : MAY 13, 2021 - MAR 13, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2022-2023 Hyundai Santa Cruz

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 40,659 tow hitch harnesses were included with an accessory tow hitch or sold as a service part for use in model year 2019-2023 Santa Fe, model year 2021-2023 Santa Fe Hybrid, model year 2022-2023 Santa Fe Plug-in, and model year 2022-2023 Santa Cruz vehicles in the U.S. To identify all vehicles equipped with potentially affected tow hitch harnesses, all applicable vehicles produced from start of production (SOP) through March 13, 2023 for sale in the U.S. are expected to be involved in this recall.

Production Dates : MAY 26, 2021 - MAR 13, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The subject vehicles may be equipped with an accessory tow hitch assembly available for purchase through Hyundai or other authorized retailers. The printed circuit board ("PCB") in the tow hitch harness module could be susceptible to water ingress through the 4-pin tow hitch harness connector, which could cause an electrical short. An electrical short could increase the risk of a trailer tow hitch harness module fire while driving or while the vehicle is parked with the ignition off.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A vehicle fire increases the risk of injury to occupants or bystanders.

Description of the Cause : Water ingress into the tow hitch harness module through the 4-pin tow hitch harness connector.

Identification of Any Warning that can Occur : None.

Involved Components :

Component Name 1 : Tow Hitch Harness

Component Description : Tow hitch module & wiring harness

Component Part Number : S2F67-AC000

Component Name 2 : Tow Hitch Harness

Component Description : Tow hitch module & wiring harness

Component Part Number : S2F67-AC100

Component Name 3 : Tow Hitch Harness

Component Description : Tow hitch module & wiring harness

Component Part Number : S2F67-AC101

Component Name 4 : Tow Hitch Harness

Component Description : Tow hitch module & wiring harness

Component Part Number : S2F67-AC400

Supplier Identification :

Component Manufacturer

Name : SEGI Korea

Address : 301, Bupyeong-daero
Bupyeong-gu Incheon Foreign States

Country : Korea, Republic of

Chronology :

Please see Attachment A for the requested chronology.

Description of Remedy :

Description of Remedy Program : Owners can continue driving these vehicles; however, Hyundai recommends parking their vehicles outside and away from structures until the recall remedy is completed. All owners of the subject vehicles will be notified by first class mail with instructions to bring their vehicles to a Hyundai dealer for verification of an equipped Hyundai accessory trailer tow hitch assembly and installation of a 15A fuse and new wire extension kit, if necessary. As an additional, separate level of protection, Hyundai plans to remove the fuse to the tow hitch module to address the fire risk while in operation and parked, in all affected vehicles until the remedy is available and completed. All associated repairs and remedies 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 improved connector is manufactured with waterproof material to prevent water ingress.

Identify How/When Recall Condition was Corrected in Production : The remedy tow hitch harness will be available for purchase through Hyundai or other authorized retailers.

Recall Schedule :

Description of Recall Schedule : Dealers and owners will be notified in accordance with the specified dates.

Planned Dealer Notification Date : MAY 16, 2023 - MAY 16, 2023

Planned Owner Notification Date : MAY 16, 2023 - MAY 16, 2023

* NR - Not Reported

RECALL 244 ATTACHMENT A

CHRONOLOGY OF EVENTS LEADING UP TO DEFECT DECISION

March – August 2022

- ❖ In March, HMA received a Legal case and Field report for two separate incidents involving model year 2019 Hyundai Santa Fe vehicles potentially related to the defect component. NASO’s Data Review Committee (“DRC”) opened a new registration and monitored field data for similar incidents involving Santa Fe vehicles in the U.S.

September 2022 – February 2023

- ❖ On September 29, 2022, the DRC reviewed and approved escalation of the investigation to the Technical Review Committee (“TRC”) citing similarities to the defect condition being addressed by Recall 235 (22V-663) filed on August 18, 2022, for certain model year Hyundai Palisade vehicles in the U.S. market¹.
- ❖ From October 2022 to February 2023, TRC actively monitored field information for similar incidents while requesting both warranty returns and exemplar trailer harnesses from in-use vehicles for additional analysis by HMC and the supplier. This condition was also observed in trailer harnesses used in Hyundai Palisade vehicles involved in Recall 235 indicating the heat damage could be caused by internal electrical shorting due to fluid contamination within the trailer harness.
- ❖ On December 7, 2022, NASO reviewed its initial investigation with NHTSA’s Office of Defects Investigation during its monthly review of top safety investigations and topics.
- ❖ On January 25, 2023, NASO provided its first update of the investigation to ODI during the monthly review of top safety investigations and topics.
- ❖ On February 22, 2023, NASO provided its second update of the investigation to ODI during the monthly review of top safety investigations and topics.

March 2023

- ❖ On March 9, 2023, the TRC decided to recommend a safety recall to the North America Safety Decision Authority (“NASDA”) to address the defect condition in certain model year Santa Fe and Santa Cruz vehicles equipped with the subject trailer harness module.
- ❖ On March 10, 2023, NASDA reviewed TRC’s findings and decided to initiate a safety recall of affected Hyundai Santa Fe and Santa Cruz vehicles equipped with SEGI-supplied trailer harness modules in the U.S. and Canada.
- ❖ As of the date of the initial filing, Hyundai has identified six (6) incidents potentially related to the defect component in the U.S., one (1) report of fire and five (5) reports of thermal damage isolated to the trailer harness module. There are no confirmed crashes or injuries related to this condition.

Vehicle	Receipt Date
5NMS3CAD0KH*****	11/3/2021
5NMS5CAD9LH*****	3/9/2022
5NMS5CAD8LH*****	3/9/2022
5NMS5CAA4KH*****	3/11/2022
5NMS6DAJ6NH*****	7/22/2022
5NMS23AD7KH*****	9/13/2022

¹For further details, refer to Hyundai’s Part 573 Defect Information Report concerning Recall 235 (22V-663).

Part 573 Safety Recall Report

23V-179

Manufacturer Name : Kia America, Inc.**Submission Date :** MAR 17, 2023**NHTSA Recall No. :** 23V-179**Manufacturer Recall No. :** SC265**Manufacturer Information :**

Manufacturer Name : Kia America, Inc.

Address : 111 Peters Canyon Road
Irvine CA 92606

Company phone : 800-333-4542

Population :

Number of potentially involved : 3,555

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2022-2023 Kia Carnival

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Certain 2022-2023 model year Carnival vehicles manufactured from January 4, 2021 through February 2, 2023 equipped with a Genuine Kia trailer tow hitch harness accessory supplied by Mobis Parts America.

The recall population was determined by a review of vehicle production and part sales records. A total of 2,621 model year 2022-2023 Carnival vehicles are equipped with a port-installed tow hitch harness. Based on parts sales data, a total of 934 tow hitch harnesses were sold to Kia dealers for potential installation as a dealer installed option (DIO). The vehicles subject to this recall were not produced in VIN order. Customers seeking information about their specific vehicle will be referred to Kia's Customer Care Center or their Kia dealer.

Production Dates : JAN 04, 2021 - FEB 02, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The printed circuit board (PCB) in the trailer tow hitch harness module may be susceptible to water inflow through the trailer tow hitch harness wiring connector, resulting in an electrical short circuit. An electrical short circuit could increase the risk of a tow hitch harness module fire while driving or while the vehicle is parked with the ignition off.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A fire increases the risk of injury.

Description of the Cause : Water inflow through the trailer tow hitch harness wiring connector

Identification of Any Warning None
that can Occur :

Involved Components :

Component Name 1 : TOW HITCH HARNESS

Component Description : TOW HITCH HARNESS (4-pin)

Component Part Number : ROF67-AC400

Supplier Identification :

Component Manufacturer

Name : Mobis Parts America

Address : 10550 Talbert Ave.
Fountain Valley California 92708

Country : United States

Chronology :

See attached document titled "2022-2023Y Carnival Trailer Tow Hitch Harness Module Chronology."

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 Kia dealer. Dealers will inspect and verify whether the subject vehicle is equipped with a Genuine Kia accessory trailer tow hitch assembly. If equipped, dealers will install a 15A fuse and new wire extension kit. In the meantime, customers who own a subject vehicle equipped with a Genuine Kia accessory trailer tow hitch assembly are advised to park their vehicle outside and away from structures until the recall repair is conducted.

Kia will notify all 2022-2023MY Carnival owners regardless of whether their vehicle was equipped with a port or dealer installed trailer tow hitch accessory, in an effort to capture those vehicles that may have had the subject trailer tow hitch assembly installed as an aftermarket component. Kia will reimburse owners for repair expenses already incurred pursuant to Kia's General Reimbursement Plan filed May 10, 2022.

Kia dealers have been advised not to sell the subject tow hitch harness and to return any unsold harnesses to Kia America.

How Remedy Component Differs from Recalled Component : The remedy component has a different capacity fuse and a new wiring harness extension.

Identify How/When Recall Condition was Corrected in Production : The tow hitch harness was discontinued as a port-installed option (PIO) on January 11, 2023. However, subject vehicles produced from January 12, 2023 through February 2, 2023 may have had a tow hitch harness installed as a dealer installed option (DIO).

Recall Schedule :

Description of Recall Schedule : The dealer notification is scheduled to begin and end on May 11, 2023 and the owner notification is scheduled to begin and end on May 16, 2023.

Planned Dealer Notification Date : MAY 11, 2023 - MAY 11, 2023

Planned Owner Notification Date : MAY 16, 2023 - MAY 16, 2023

* NR - Not Reported

**2022-2023MY Carnival
Trailer Tow Hitch Harness Module
Basis of Safety Defect Determination 573.6(c)(6)**

March 10, 2023	Kia Corporation (Kia HQ) notifies Kia North America (Kia NA) Safety Office of Hyundai Motor America’s (HMA) decision to recall the accessory trailer tow hitch assembly in certain 2019-2023 Hyundai Santa Fe and 2022-2023 Hyundai Santa Cruz vehicles to address a potential fire risk due to an electrical short circuit. Kia HQ also advises Kia NA Safety Office that the 2022-2023MY Carnival uses a substantially similar accessory trailer tow hitch assembly as the vehicles subject to Hyundai’s recalled vehicles.
March 10-14, 2023	Kia NA Safety Office conducts a field data review for any thermal events involving the trailer tow hitch harness in the 2022-2023MY Carnival and identifies none.
March 15, 2023	Despite no fires or thermal events, Kia NA decides to recall, the 2022-2023MY Carnival vehicles equipped with a Genuine Kia accessory trailer tow hitch harness as a precautionary measure. No injuries, fatalities or crashes.