



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25E091

Manufacturer Name: Hyundai Motor America

Submission Date: Dec 18, 2025

NHTSA Recall No.: 25E091

Manufacturer Recall No.: 291

Manufacturer Information

Population

Manufacturer Name: Hyundai Motor America

Address: 10550 Talbert Avenue
Fountain Valley CA, 92708

Total number of potentially involved: 1,338

Estimated percentage with defect: 1%

Equipment Information

Brand / Trade 1: MOBIS

Model: Tow Hitch Harness

Part Number: CWF61-AU100

Type: Both

Function: Wire harness

Size:

Production Dates: Feb 08, 2021 - May 19, 2025

Number of potentially involved: 1,338

Descriptive Information:

Based on parts sales records, the subject items of motor vehicle equipment were offered for sale by an authorized Hyundai dealership for "do-it-yourself" ("DIY") application on all model year 2022-2024 Hyundai Tucson vehicles produced by Hyundai Motor Company ("HMC") and Hyundai Motor Manufacturing Alabama ("HMM") for sale in the U.S. market; however, Hyundai cannot confirm vehicles equipped with parts purchased "over-the-counter." All vehicles confirmed to have an OEM trailer wiring harness installed as a Port Installed Option ("PIO") or Dealer Installed Option ("DIO") will be addressed under Safety Recall 290, which will be filed concurrently under separate filing.

Defect / Noncompliance Description

Description of the defect or noncompliance:

An optional OEM trailer wiring harness accessory, designed for towing applications in the specified vehicles, may have been installed in a vehicle location susceptible to water ingress. Water ingress into the wire harness control module could result in trailer lamps or vehicle stop lamps becoming inoperative. In rare cases, an electrical short within the module may occur, which could lead to overheating, melting, or, in isolated instances, ignition.

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25E091**FMVSS1:****FMVSS2:****Description of the safety risk, including crash, fire, death, injury:**

Inoperative stop lamps increase the risk of a crash, while an electrical short can increase the risk of a vehicle fire.

Description of the cause:

Insufficient sealing of the trailer wiring harness control module.

Identification of any warning that can occur:

Intermittent or inoperative illumination of parking, turn signal, and stop lamps (vehicle/trailer).

Component Manufacturer

Tier of Supplier: Tier 2**Supplier Type:** OEM**Name:** CURT Manufacturing/LIPPERT**Address:** 30779 Oak Creek Drive
Wixom MI, 48393**Country:** United States

Involved Components

Component Name 1: Tow Hitch Harness**Component Description:** Wire harness connecting vehicle and trailer.**Component Part Number:** CWF61-AU100

Purchaser Information

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

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25E091**Name:** Hyundai Motor America**Address:** 10550 Talbert Ave
Fountain Valley CA, 92708**Country:** United States

Chronology

- April 18, 2025 – NASO received a Speak Up for Safety (“SUFS”) report indicating a condition involving inoperative trailer stop lamps on a U.S. market Hyundai Tucson vehicle equipped with an OEM trailer wiring. NASO began gathering market field information in the U.S. and Canadian markets to identify similar reports and assess market trending behavior.
- June 06, 2025 – NASO completed its review of field data and informed the trailer wiring harness Tier 1 supplier, MOBIS, of its findings. NASO requested MOBIS to gather technical details surrounding the condition and potential causalities.
- June 5, 2025 – MOBIS informed NASO of its initial findings, identifying water intrusion into the trailer wiring harness control module as a potential causal factor of electrical shorting, which can disable the trailer stop lamps if uncorrected.
- July 28, 2025 – NASO gather warranty part returns and reviewed them jointly with MOBIS. Preliminary findings indicated the presence of water and other foreign debris within the trailer wiring harness control module. Additional warranty part returns were requested by NASO for bench/vehicle testing by HMC and NASO’s Safety Test & Investigation Laboratory (“STIL”).
- August 12, 2025 – HMC and STIL jointly discussed and established parameters for bench/vehicle testing of warranty part returns.
- September 2, 2025 – Hyundai conducted an on-site visit to a vehicle processing center with MOBIS to review the process for installing OEM trailer harnesses to pre-delivery vehicles.
- September 23, 2025 – NASO performed vehicle and bench testing at the STIL jointly with MOBIS to understand the effect on trailer and rear lights. Initial findings indicated varying effects on vehicle and trailer lighting with a high degree of detectability by the operator.
- October 24, 2025 – NASO was informed of a new incident involving a U.S. market Tucson vehicle sustaining thermal damage to its rear. This vehicle was requested to be returned to the STIL for further analysis and inspection occurring on November 4, 2025, by MOBIS and a third-party fire inspector. Subsequent component scans indicated signs of electrical shorting on the PCB controller within the trailer wiring harness control module.
- November 11, 2025, to November 25, 2025 – NASO received two (2) additional reports of the recall condition in the U.S. and continued working with MOBIS to recover parts for analysis and determine the scope of affected vehicles.
- December 11, 2025 – Based on a final review of market field information, STIL’s findings, and supplier information, NASO convened it’s North America Safety Decision Authority (“NASDA”) and decided to conduct a safety recall of confirmed vehicles equipped with OEM trailer wiring harnesses in the U.S., supplemented by a separate equipment recall targeting vehicles that cannot be confirmed as equipped with OEM trailer wiring harnesses procured through retail sales.
- As of the date of this filing, Hyundai is aware of three (3) confirmed fires in the U.S. market. There are no confirmed crashes or injuries related to this condition in the U.S. or Canada.

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25E091**VIN****Date**

5NMJFCDE3RH***** 8/24/2025

5NMJECDE7RH***** 10/31/2025

5NMJFCDE1RH***** 11/10/2025

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Replace**Consumer Advisories:** ☐ Do Not Drive ☒ Park Outside**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. When a remedy is made available, all owners of vehicles that may be equipped with an affected trailer wiring harness will be notified by first class mail with instructions to bring their vehicles to a Hyundai dealer if they have the subject equipment installed. 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 22, 2024.

How remedy component differs from recalled component:

The remedy trailer wiring harness control module has improved sealing to prevent water intrusion.

Identify how/when recall condition was corrected in production:

The updated trailer wiring harness assembly was introduced into commerce on September 4, 2024.

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Recall Schedule

Description of recall schedule:

Dealers will be notified electronically by the specified dates.
Owners will be notified via certified mail by the specified dates.

Part 573 Safety Recall Report**25E091****Planned Dealer Notification Date:** Feb 16, 2026 - Feb 16, 2026☐ No Dealers**Planned Interim Owner Notification Date:**☐ No Owners**Planned Remedy Owner Notification Date:** Feb 16, 2026 - Feb 16, 2026☐ Phased Recall