



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

26V308

Manufacturer Name: Hyundai Motor America

Submission Date: May 15, 2026

NHTSA Recall No.: 26V308

Manufacturer Recall No.: 301

Manufacturer Information

Population

Manufacturer Name: Hyundai Motor America

Address: 10550 Talbert Avenue
Fountain Valley CA, 92708

Total number of potentially involved: 54,337

Estimated percentage with defect: 1%

Vehicle Information

Vehicle 1: 2024-2026 HYUNDAI ELANTRA HYBRID

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion: Hybrid Electric Vehicle

Production Dates: Oct 31, 2023 - Dec 31, 2025

Number of potentially involved: 54,337

Descriptive Information:

The subject vehicles include certain model year 2024-2026 Hyundai Elantra HEV vehicles assembled on the specified production dates by Hyundai Motor Company ("HMC") in South Korea for sale in the U.S.

Defect / Noncompliance Description

Description of the defect or noncompliance:

The Hybrid Power Control Unit ("HPCU"), which controls electrical power delivery to specific components of the hybrid system, contains a metal-oxide semiconductor field effect transistor ("MOSFET") that can overheat under high electrical loads. In most cases, customers may experience a "no start" condition or the vehicle may enter a reduced power "limp" mode with the MIL illuminated while driving. In limited cases, the HPCU could overheat, resulting in localized thermal damage to the HPCU assembly and internal components.

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

Part 573 Safety Recall Report

26V308

Overheating of the HPCU could increase the risk of a fire.

Description of the cause:

The current-level HPCU software logic may not provide sufficient cooling of the HPCU assembly resulting in overheating.

Identification of any warning that can occur:

1. No Start
2. MIL On

Component Manufacturer

Tier of Supplier: Tier 1

Supplier Type: OEM

Name: Hyundai Mobis

Address: 203, Teheran-ro
Gangnam-gu
Seoul Foreign States

Country: Korea, Republic Of

Involved Components

Component Name 1: HPCU RESERVOIR MODULE

Component Description: HPCU (Blue-level)

Component Part Number: 36600-2BBG0

Component Name 2: HPCU RESERVOIR MODULE

Component Description: HPCU (SEL, Limited)

Component Part Number: 36600-2BBG1

Chronology

Date: December 2024 – April 2025

- December 13 – NASO opened a new investigation into the subject defect condition based on a Speak Up For Safety (“SUFSS”) report regarding a 2025MY Elantra HEV in the U.S. market.

Part 573 Safety Recall Report

26V308

- February 14 – The HPCU from the SUFS incident vehicle was recovered and sent to the Safety Testing & Investigation Laboratory (“STIL”) analysis showed damage to the MOSFET and coolant inside the housing.
- April 1 – The STIL forwarded the incident HPCU to Mobis for teardown and root cause analysis.

Date: June – November 2025

- June 16 – NASO received the results of Mobis’ analysis of the incident HPCU. Part recovery activities continued for further analysis by the STIL.
- July 10 through July 16 – Multiple STIL teardowns confirmed a consistent MOSFET failure location; although damage severity varied and was not externally visible.
- July 23 – HMC provided NASO with replication test data indicating that MOSFET failure may occur due to localized heating caused by high current load during vehicle ignition.
- August 28 – Upon further review of HMC’s test data, NASO requested additional “cold-start” testing to validate production-level enhancements to the HPCU software.
- September 22 – HMC informed NASO that “cold-start” testing performed by the supplier resulted in reduction of localized heating in the location of previous MOSFET failures using the revised software parameters.
- October through November – NASO performed a study of telematics data in search of potential faults indicated by recorded DTC’s.

Date: December 2025 – May 2026

- December 2025 through April 2026 – NASO continued monitoring field information and recovering HPCU’s for analysis by the STIL. During this period, two (2) new incidents were received indicating thermal damage localized to the HPCU. One incident part was recovered and sent to the STIL for analysis, where it was confirmed to contain a damaged MOSFET consistent with prior recovery part analyses. NASO updated the field information and moved forward with the investigation.
- May 7 – Based on its investigation findings to date, NASO’s North America Safety Decision Authority (“NASDA”) convened to review the complete findings and decided to conduct a safety recall of affected vehicles in the U.S.

Field Counts

- As of the date of the decision, Hyundai is aware of four (4) incidents, which include one (1) fire, and no crashes or injuries related to the recall condition in the U.S.

Date(s) Received / VIN(s)

- KMHLN4DJ2SU***** — 12/5/2024
- KMHLM4DJ9SU***** — 9/18/2025
- KMHLN4DJ2SU***** — 12/5/2025
- KMHLM4DJ9SU***** — 1/21/2026

Related NHTSA Recall Number:

Part 573 Safety Recall Report

26V308

Description of Remedy

Remedy Type: Software

Consumer Advisories: Do Not Drive Park Outside

Description of remedy program:

All owners of the subject vehicles will be notified by first class mail with instructions to bring their vehicle to a Hyundai dealer, where technicians will update the HPCU software. 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 March 2, 2026.

How remedy component differs from recalled component:

The software improves the MOSFET cooling and limits current delivery during vehicle operation.

Identify how/when recall condition was corrected in production:

The new software was adapted as a production running change on January 7, 2026.

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.

Planned Dealer Notification Date: Jul 13, 2026 - Jul 13, 2026 No Dealers

Planned Interim Owner Notification Date: No Owners

Planned Remedy Owner Notification Date: Jul 13, 2026 - Jul 13, 2026 Phased Recall

Date when VIN will be searchable: May 16, 2026