



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V796

Manufacturer Name: Hyundai Motor America

Submission Date: Nov 17, 2025

NHTSA Recall No.: 25V796

Manufacturer Recall No.: 286

Manufacturer Information

Population

Manufacturer Name: Hyundai Motor America

Address: 10550 Talbert Avenue
Fountain Valley CA, 92708

Total number of potentially involved: 85,043

Estimated percentage with defect: 1%

Vehicle Information

Vehicle 1: 2020-2023 HYUNDAI SONATA

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Oct 22, 2019 - Oct 07, 2023

Number of potentially involved: 85,043

Descriptive Information:

Based on manufacturing and sales records, the subject vehicles include certain model year 2020-2023 Hyundai Sonata vehicles equipped with 1.6-liter turbocharged engines produced on the specified dates by Hyundai Motor Company ("HMC") and Hyundai Motor Manufacturing Alabama ("HMMA") for sale in the U.S. market.

Defect / Noncompliance Description

Description of the defect or noncompliance:

The fuel tank assembly in the subject vehicles may become pressurized with compressed air due to a worn purge control system check valve causing the tank to deform. Deformation of the fuel tank can lead to fuel leakage over time.

FMVSS1:

FMVSS2:

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

The presence of leaked or accumulated fuel near an ignition source can increase the risk of a vehicle

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fire.

Description of the cause:

The purge control system check valve may gradually wear and malfunction, allowing a backflow of compressed air from the turbocharger to enter the fuel tank.

Identification of any warning that can occur:

- A. "Pop" noise from the vehicle rear
- B. Illumination of the MIL
- C. Vehicle will not start
- D. Fuel odor

Component Manufacturer

Tier of Supplier: Tier 1

Supplier Type: OEM

Name: Inzi Controls

Address: 312-10 Mungu-ro, Oedung-eup
Gyeongju-si
Gyeongsangbuk-do Foreign States

Country: Korea, Republic Of

Involved Components

Component Name 1: CHECK VALVE ASSY, VALVE-CHECK

Component Description: PCSV Check Valve Assy

Component Part Number: 28918-2M430QK

Component Name 2: CHECK VALVE ASSY, VALVE-CHECK

Component Description: PCSV Check Valve Assy

Component Part Number: 59133-2H000

Chronology

September 2025

Based on information received from HMC, in September 2025, NASO reviewed information regarding post-remedy recurrences of vehicles involved in a prior emissions-related service campaign (SC9B1) launched in November 2024. NASO completed its initial review of field data concerning vehicles

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involved in SC9B1 and identified three (3) new allegations of fuel leaks on certain pre-remedy vehicles. No post-remedy SC9B1 campaign claims alleging fuel leaks were found. Based on these findings, NASO opened an official investigation on September 16, 2025, and began gathering details and monitoring the North American market for incoming reports alleging similar conditions.

NASO and HMC continued joint investigation and discussion over the next several weeks. NASO informed HMC that repeated contact made between the fuel tank heat shield and exhaust could contribute to fuel tank damage. NASO and HMC discussed testing options, including fuel tank expansion testing evaluation by R&D based on observations gathered in the field, and a potential vehicle inspection in Virginia.

October – November 2025

October 7, 2025 – NASO inspected a pre-remedy vehicle involved in 9B1 in Virginia, confirming a fuel leak potentially due to contact made with the exhaust. 3D scans of various undercarriage components, including the fuel tank, were taken for confirmation of potential abnormalities.

From October 10, 2025, through October 24, 2025 – NASO met with HMC and NAQC to develop a test plan involving a repurchased Hyundai vehicle that had been returned to the dealer after receiving the remedy for campaign 9B1. During the planning phase, NASO instrumented a test vehicle to collect data for defining replication testing parameters.

October 29, 2025 – NASO and NAQC performed replication testing using the repurchased vehicle's fuel tank under various tank pressure levels controlled by the SC9B1 remedy software. The testing confirmed that the remedy software effectively prevented excessive expansion of the tank.

From October 31, 2025, through November 6, 2025 – HMC performed drive and replication testing under "worst case" parameters. According to HMC, the testing confirmed the possibility of a fuel leak due to the defect condition.

November 5, 2025 – NASO reviewed countermeasure purge control system check valves at the STIL and confirmed improved robustness of the seal.

November 7, 2025 – Based on a final review of HMA and NASO investigation findings to date, NASO convened it's North America Safety Decision Authority ("NASDA") to review HMC's findings and decided to conduct a safety recall of potentially affected U.S. market vehicles.

As of the date of this filing, Hyundai is aware of seven (7) related fuel tank leak reports in the U.S. and Canadian markets:

Vehicle	Receipt Date
5NPEH4J20LH*****	March 21, 2023
5NPEJ4J26NH*****	December 11, 2023
5NPEJ4J26LH*****	November 6, 2024
5NPEH4J24LH*****	March 8, 2025
5NPEJ4J26LH*****	July 3, 2025
5NPEH4J23LH*****	September 5, 2025
5NPEJ4J26LH*****	September 11, 2025

There are no crashes, injuries, or fatalities attributable to this condition in the U.S. or Canada.

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Description of Remedy

Remedy Type: Inspect, Repair, Replace, Software**Consumer Advisories:** ☐ Do Not Drive ☐ Park Outside**Description of remedy program:**

All owners of the affected vehicles will be notified via first class mail with instructions to bring their vehicles to a Hyundai dealership, where technicians will perform the required remedy. The remedy will include inspection/replacement of the purge control system check valve, inspection/repair of the fuel tank and surrounding components, and an inspection/update of the ECU software as a preventative measure. This remedy will be offered at no cost to owners for all affected customers. Hyundai will provide reimbursement to owners for prior repairs in accordance with the plan submitted to NHTSA on February 22, 2024.

How remedy component differs from recalled component:

The purge control system check valve used in the remedy is a separate design used in recent production models that aids in minimizing wear. Additionally, the remedy will include an ECU software update that contains diagnostic routine(s) for monitoring internal tank pressure.

Identify how/when recall condition was corrected in production:

The 1.6L engine using the subject check valve was discontinued with the end of model year 2023 production on February 2022 (HMMA production) and October 2023 (HMC production). Model year 2024 vehicles and later are equipped with a different engine that uses a different check valve design.

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: Jan 16, 2026 - Jan 16, 2026 ☐ No Dealers

Planned Interim Owner Notification Date: ☐ No Owners

Planned Remedy Owner Notification Date: Jan 16, 2026 - Jan 16, 2026 ☐ Phased Recall

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Date when VIN will be searchable: Nov 19, 2025