

Part 573 Safety Recall Report

25V-080

Manufacturer Name : Volkswagen Group of America, Inc.

Submission Date : FEB 12, 2025

NHTSA Recall No. : 25V-080

Manufacturer Recall No. : 93AA



Manufacturer Information :

Manufacturer Name : Volkswagen Group of America, Inc.

Address : 3800 Hamlin Road
Auburn Hills MI 48326

Company phone : 1-800-893-5298

Population :

Number of potentially involved : 2,616

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2023-2023 AUDI Q5

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined by comparing the potentially affected modules from the supplier to the production records of high-voltage batteries in vehicle assembly.

The recalled vehicles are equipped with high-voltage batteries from that specific production period. Vehicles not included in the recall are equipped with high-voltage batteries produced after the clean point at the supplier.

Q5: 2616

Production Dates : NOV 10, 2022 - AUG 08, 2023

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : In rare circumstances the high-voltage battery modules may experience a thermal overload possibly resulting in smoke or fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Defective high-voltage battery cell modules may overheat, increasing the risk of a fire.

Description of the Cause : The joint analysis with the supplier demonstrated a complex failure mechanism. One root cause could not be determined despite extensive cell/module and vehicle data analysis. Current analysis results show that certain manufacturing deviations may have occurred at the supplier of the battery

Identification of Any Warning that can Occur :

modules. These deviations may result in the cell's cathode inducing micro-defects and/or local stresses in the cell's separator layer. These micro-defects and local stresses may damage the separator.
No warning will occur.

Involved Components :

Component Name 1 : High Voltage Battery

Component Description : High Voltage Battery

Component Part Number : 80A.915.099 (Audi Q5)

Supplier Identification :

Component Manufacturer

Name : Samsung SDI

Address : Schenek István u. 1
Goed Foreign States 2131

Country : Hungary

Chronology :

November 20, 2024: The Audi Product Safety Committee determined a safety defect recall for vehicles within a defined production period based on a clean date at the supplier's battery cell production facility (clean date November 2021).

January 28, 2025: The supplier informed Audi about a potential additional failure mechanism, which was described as 'separator damage' that could cause thermal events within the battery cell. The supplier introduced a process improvement in production in March 2023, improving the robustness regarding this potential damage within the cell.

As a result of the new clean date, additional vehicles may be affected by the recall condition. Audi determined the potentially affected new population together with the supplier.

February 10, 2025: The Audi Product Safety Committee determined a safety defect recall for the additional potentially affected vehicles.

As of February 10, 2025 Audi is not aware of any injuries, crashes or fires due to this issue in the United States

market.

Description of Remedy :

Description of Remedy Program :	<p>The final remedy will be the installation of an advanced onboard diagnostic software. This software detects potential issues with the performance of the battery modules and alerts the driver before problems may occur. The software is expected to be available in the second quarter of CY 2025.</p> <p>As an interim remedy for vehicles with available online data (customers with enrolled vehicles), if the online data indicates a critical module, the affected modules or high-voltage batteries must be replaced. In this scenario, the customer will be asked to come to the workshop and will be instructed not to charge the vehicle from external sources until the affected modules or high-voltage battery can be replaced.</p> <p>As an interim remedy for vehicles without online data, the customer will be instructed not to charge the vehicle from external sources until the new software becomes available.</p> <p>As some vehicles may already be outside of warranty, Audi will offer a reimbursement plan under this recall.</p>
How Remedy Component Differs from Recalled Component :	<p>The final remedy will be a new diagnostic software with the ability to detect potential issues related to changes in battery module performance and to warn the driver before problems may occur.</p>
Identify How/When Recall Condition was Corrected in Production :	<p>In order to detect potential manufacturing deviations in the production process, the battery cell supplier has implemented an optical inspection system to detect potential damage during the production process and a 100% X-ray inspection at the cell level in November 2021.</p> <p>In March 2023 the supplier introduced a process control to improve the 'Cathode anchor length'. This introduction led to more robustness regarding separator damage within a cell.</p> <p>Due to the complex structure from the individual battery cell to the high-voltage battery and the associated supply chain, potentially affected batteries may have been installed in vehicle production until October 2023.</p>

Recall Schedule :

Description of Recall Schedule :	<p>Dealers: On or before February 14, 2025.Owners on or before April 11, 2025.</p>
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Planned Dealer Notification Date : FEB 14, 2025 - FEB 14, 2025

Planned Owner Notification Date : APR 11, 2025 - APR 11, 2025

* NR - Not Reported