

Part 573 Safety Recall Report

22V-861

Manufacturer Name : Volkswagen Group of America, Inc.

Submission Date : NOV 21, 2022

NHTSA Recall No. : 22V-861

Manufacturer Recall No. : 90V2



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 : 50,883

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2022 AUDI S7

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined by records of the vehicle assembly information.

The recalled products differ from products that were not included in the recall because recalled vehicles were produced without a protective cover for the gateway control module.

S7: 1,414

Production Dates : OCT 22, 2019 - MAR 08, 2022

VIN Range 1 : Begin : WAUPFAF25LN012483 **End :** WAUSFBF2XNN041206 Not sequential

Vehicle 2 : 2020-2022 AUDI S6 SEDAN

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined by records of the vehicle assembly information.

The recalled products differ from products that were not included in the recall because recalled vehicles were produced without a protective cover for the gateway control module.

S6 SEDAN: 1,781

Production Dates : OCT 22, 2019 - MAR 08, 2022

VIN Range 1 : Begin : WAUFFAF27LN014120 **End :** WAUDFBF26NN041048 Not sequential

Vehicle 3 : 2021-2022 AUDI RS7

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined by records of the vehicle assembly information.

The recalled products differ from products that were not included in the recall because recalled vehicles were produced without a protective cover for the gateway control module.

RS7: 1,809

Production Dates : JUL 24, 2020 - MAR 11, 2022

VIN Range 1 : Begin : WUAPCBF2XMN900040 End : WUAPCBF29NN904453 Not sequential

Vehicle 4 : 2021-2022 AUDI RS6 AVANT

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined by records of the vehicle assembly information.

The recalled products differ from products that were not included in the recall because recalled vehicles were produced without a protective cover for the gateway control module.

RS6 AVANT: 2,152

Production Dates : JUL 24, 2020 - APR 04, 2022

VIN Range 1 : Begin : WUA1CBF24MN900041 End : WUA1CBF24NN904480 Not sequential

Vehicle 5 : 2019-2022 AUDI A7

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined by records of the vehicle assembly information.

The recalled products differ from products that were not included in the recall because recalled vehicles were produced without a protective cover for the gateway control module.

A7: 8,915

Production Dates : JUL 27, 2018 - MAR 09, 2022

VIN Range 1 : Begin : WAUV2AF2XMN014086 End : WAUP2BF27NN041892 Not sequential

Vehicle 6 : 2019-2022 AUDI A6 SEDAN

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined by records of the vehicle assembly information.

The recalled products differ from products that were not included in the recall because recalled vehicles were produced without a protective cover for the gateway control module.

A6 SEDAN: 32,585

Production Dates : AUG 07, 2018 - MAR 10, 2022

VIN Range 1 : Begin : WAUM2AF25KN014098 End : WAUL2BF2XNN041223 Not sequential

Vehicle 7 : 2020-2022 AUDI A6 ALLROAD

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined by records of the vehicle assembly information.

The recalled products differ from products that were not included in the recall because recalled vehicles were produced without a protective cover for the gateway control module.

A6 ALLROAD: 2,227

Production Dates : NOV 05, 2019 - MAR 08, 2022

VIN Range 1 : Begin : WAU72BF26LN034378 End : WAU72BF23NN041193 Not sequential

Description of Defect :

Description of the Defect : If liquid reaches and enters the gateway control module located under the rear middle seat, usually due to a liquid spill on the rear seats, it is being switched off as part of the safety concept. Water/liquid ingress into the gateway control module may lead to various internal errors due to short circuits within the control unit. The gateway control module has a safety concept in case implausible signals are detected in the control unit. If such implausible signals are detected, the gateway switches off its function in order to avoid unwanted vehicle reactions. The vehicle remains steerable and the brake system is fully operable. The engine goes into emergency mode and remains in operation with reduced power.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If liquid reaches and enters the gateway control module, it is being switched off as part of the safety concept. The vehicle remains steerable and the brake system is fully operable. The engine goes into emergency mode and remains in operation with reduced power. Unexpected reduced engine power may create an increased risk of a crash in certain driving situations.

Description of the Cause : All known cases were due to a liquid spill on the rear seats of the vehicle.

Identification of Any Warning that can Occur : Several warning messages will appear if the gateway control module shuts down. The error messages occur due to the interrupted communication between several systems. Even though several systems are displaying a malfunction, not all of these systems are impacted.

Involved Components :

Component Name 1 : Protective cover

Component Description : Protective cover for gateway control module

Component Part Number : 4K0 907 578 A

Supplier Identification :

Component Manufacturer

Name : AUDI AG

Address : NR

Ingolstadt

Foreign States 85045

Country : Germany

Chronology :

December 01, 2021: The Audi Product Safety Committee decided to conduct a voluntary recall for certain Audi Q5 vehicles in order to install a protective cover for the gateway control module and to seal the underbody in the area of an insufficient glue bead. At this point AUDI AG was not aware of any warranty claims in the US for Audi A6/A7 vehicles and field monitoring was decided for those models.

August 2022: NHTSA asked Volkswagen Group of America for an overview of this topic during the next Quarterly Meeting due to 2 VOQ's indicating a gateway failure due to liquid ingress.

August - September 2022: Evaluation of field situation and detailed analysis of known warranty cases. Upon a detailed research of warranty claims, at that point 38 cases were identified to be potentially related to this issue. The topic was also reported back to the Product Safety Committee based on the updated field situation.

September 14, 2022: Audi presented an overview of the U.S. market situation to the NHTSA ODI during the company's Quarterly Meeting.

September - November 2022: Due to some differences in the location and the design of the gateway control module, additional analysis continued with respect to the root cause and the impact of a liquid spill specifically on A6/A7 models. Contrary to the Q5 all known cases were confirmed to have occurred due to a liquid spill. There is no additional root cause from the outside or from the vehicle design itself.

November 14, 2022: The Audi Product Safety Committee decides a voluntary worldwide safety recall for the affected vehicles that did not receive the protective cover in production.

At the time of determination, Audi had identified 46 potentially related claims in the US received between July 2019 and October 2022. Audi is not aware of any crashes or injuries due to this issue.

Description of Remedy :

Description of Remedy Program : At no cost to customers, Audi dealers will install a protective cover for the gateway control module which will protect the part from liquid ingress.

Audi will not offer a reimbursement plan under this recall.

How Remedy Component Differs from Recalled Component : No parts are being replaced. The dealer will install a protective cover for the gateway control module.

Identify How/When Recall Condition was Corrected in Production : Starting on April 4, 2022 all vehicles received a protective cover for the gateway control module in production.

Recall Schedule :

Description of Recall Schedule : Dealers/owners: On or before January 20, 2023

Planned Dealer Notification Date : JAN 20, 2023 - JAN 20, 2023

Planned Owner Notification Date : JAN 20, 2023 - JAN 20, 2023

* NR - Not Reported