Part 573 Safety Recall Report 23V-613

Manufacturer Name : Volkswagen Group of America, Inc.
Submission Date : SEP 01, 2023
NHTSA Recall No. : 23V-613
Manufacturer Recall No. : 93T7

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 : 1,899
Estimated percentage with defect : 3 %

Vehicle Information :

Vehicle 1 : 2023-2023 AUDI RS E-TRON GT
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : The recall population was determined by production records.

The vehicle populations prior to the recalled vehicle production period did not have the Teroson sealant and thus are not subject to the failure mode of the recall population. Vehicle populations subsequent to the recalled vehicle production period have an enhanced Teroson sealant and thus are not subject to the failure mode as the recall population.

RS E-TRON GT: 461

Production Dates : SEP 23, 2022 - AUG 28, 2023
VIN Range 1 : Begin : WAUBHBFW7P7900840 End : WAUBHBFW4P7903131 ☑ Not sequential

Vehicle 2 :	2023-2023 AUDI E-TRON GT
Vehicle Type :	
Body Style :	
Power Train :	NR
Descriptive Information :	The recall population was determined by production records. The vehicle populations prior to the recalled vehicle production period did not have the Teroson sealant and thus are not subject to the failure mode of the recall population. Vehicle populations subsequent to the recalled vehicle production period have an enhanced Teroson sealant and thus are not subject to the failure mode as the recall population. E-TRON GT: 1438
Production Dates :	SEP 26, 2022 - AUG 25, 2023

VIN Range 1 : Begin : WAUCJBFW0P7001682 End : WAUEJBFW8P7006931 ☑ Not sequential

Description of Defect :

Description of the Defect :	Under certain circumstances there is a possibility that over time liquid can intrude into the high voltage battery of certain vehicles.
FMVSS 1 :	NR
FMVSS 2 :	NR
Description of the Safety Risk :	Over time, if a sufficient amount of conductive liquid accumulates in the battery, arcing can occur, which could increase the risk of a thermal event.
Description of the Cause :	Insufficiently robust sealant of the high voltage battery can lead to the defect condition.
Identification of Any Warning that can Occur :	If liquid enters the battery, a drop in insulation resistance results. If the insulation resistance value drops below a defined threshold over time, a yellow warning message is displayed in the vehicle. If the insulation value continues to drop below a defined threshold over time, a red warning message is displayed in the vehicle.

Involved Components :

Component Name 1 :	High Voltage Battery
Component Description :	High Voltage Battery
Component Part Number :	9J1.915.099.** / 9J1.915.100.**

Supplier Identification :

Component Manufacturer

Name : DRÄXLMAIER Group
Address : NR
Vilsbiburg Foreign States 84137
Country : Germany

Chronology :

July 2022: Audi became aware of a potential issue involving reduced insulation resistance values which may indicate liquid intrusion into the battery. A detailed engineering investigation into the influencing factors and root cause was started together with the supplier.
In September 2022, the HV battery supplier introduced a Teroson sealant into the battery production process in an effort to increase sealant robustness. Field monitoring continued.
March 2023 – August 2023: Additional evaluations and testing were initiated based on reports of reduced insulation resistance values in vehicles with the Teroson sealant from non-US markets.
Audi continued investigating the cause of the liquid intrusion and concluded that an improved and further enhanced Teroson sealant should be added to the HV battery. The enhanced Teroson sealant was implemented in May 2023 in the production process of the supplier.
August 25, 2023: The results of the ongoing analysis were presented to the Audi Product Safety Committee. It was determined that there have been no reports of potential liquid intrusion in vehicles with the enhanced Teroson sealant that was implemented in May 2023. However, for the population built with the original Teroson sealant introduced by the supplier in September 2022 it cannot be ruled out that further cases of reduced insulation resistance values may occur in the field. Out of an abundance of caution the Audi Product Safety Committee decided a worldwide recall, based on the evaluation that, over time, if a sufficient amount of conductive liquid accumulates in the battery, arcing can occur which could increase the risk of a thermal event. Audi is not aware of any field reports in the US for HV batteries with the original Teroson sealant.

Description of Remedy :

Description of Remedy Program :	Audi will conduct leak testing to detect the potential for leakage into the battery. If testing indicates the potential for leakage, the battery will be replaced. Audi will not offer a reimbursement plan under this recall because the vehicles affected would be covered under the new vehicle limited warranty.
How Remedy Component Differs from Recalled Component :	The remedy component includes an enhanced Teroson sealant.
Identify How/When Recall Condition was Corrected in Production :	The enhanced Teroson sealant was incorporated into battery production in May 2023.

Recall Schedule :

Description of Recall Schedule :	Dealers: On or before September 07, 2023 / Owners on or before October 31, 2023
Planned Dealer Notification Date :	SEP 07, 2023 - SEP 07, 2023
Planned Owner Notification Date :	OCT 31, 2023 - OCT 31, 2023

* NR - Not Reported