

# Part 573 Safety Recall Report

# 21V-569

**Manufacturer Name :** Volkswagen Group of America, Inc.

**Submission Date :** JUL 26, 2021

**NHTSA Recall No. :** 21V-569

**Manufacturer Recall No. :** 47R1



## Manufacturer Information :

## Population :

**Manufacturer Name :** Volkswagen Group of America, Inc.

**Number of potentially involved :** 498

**Address :** 3800 Hamlin Road

**Estimated percentage with defect :** 100 %

Auburn Hills MI 48326

**Company phone :** 1-800-893-5298

## Vehicle Information :

**Vehicle 1 :** 2020-2021 Audi E-TRON SPORTBACK QUATTRO

**Vehicle Type :**

**Body Style :**

**Power Train :** NR

**Descriptive Information :** Vehicle assembly information and supplier production records were reviewed to determine the potentially affected vehicles. Vehicles not included in the recall have not received affected parts.

E-TRON SPORTBACK QUATTRO count: 119

**Production Dates :** MAY 20, 2020 - DEC 14, 2020

**VIN Range 1 :** Begin : WA12ABGEXLB031939 End : WA13ABGE4MB017105  Not sequential

**Vehicle 2 :** 2021-2021 Audi E-TRON QUATTRO

**Vehicle Type :**

**Body Style :**

**Power Train :** NR

**Descriptive Information :** Vehicle assembly information and supplier production records were reviewed to determine the potentially affected vehicles. Vehicles not included in the recall have not received affected parts.

-TRON QUATTRO count: 379

**Production Dates :** AUG 25, 2020 - DEC 22, 2020

**VIN Range 1 :** Begin : WA1LAAGE0MB000800 End : WA1VAAGE1MB020756  Not sequential

**Description of Defect :**

Description of the Defect : During supplier production, the rotor and the shaft of the integrated brake system may not have been welded to specifications. During a hard braking maneuver, the ABS hydraulic control unit rotor and shaft could separate, which could lead to a reduction in braking assistance (brake boost) as well as a loss of Antilock Brake System (ABS) functionality and Electronic Stability Control (ESC). Full mechanical braking is still available.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : During a hard braking maneuver, a reduction in brake assistance (brake boost) could lead to an extended stopping distance. In combination with a loss of ABS and ESC functionalities, this could increase the risk of a crash.

Description of the Cause : Certain brake booster units may not have been produced according to specification due to an unexpected deviation in the supplier's welding process of the system's rotor and shaft sub-assembly.

Identification of Any Warning that can Occur : A failure of the brake booster will be indicated by a warning message in the vehicle's instrument cluster.

**Involved Components :**

Component Name 1 : Integrated brake system

Component Description : Brake booster

Component Part Number : 4KE.614.100 \*

**Supplier Identification :****Component Manufacturer**

Name : Continental

Address : 1830 MacMillan Park Dr.

Fort Mill

South Carolina 29707

Country : United States

**Chronology :**

January 15th, 2021: Supplier informed responsible department at AUDI AG about deviation in the production

process. Immediate investigation regarding scope and potentially affected parts and population commenced. February - April 2021: Review of production records and technical investigation of system components and possible consequences were conducted together with the supplier. The analyses indicated that some of these parts could have been installed in e-tron vehicles produced at the Brussels factory up to December 11, 2020. Topic reported to the Product Safety Committee for further evaluation.

May 2021 - June 2021: Topic was presented and evaluated at the Product Safety Committee and additional testing regarding possible consequences and contributing factors was tasked.

Supplier production records and vehicle assembly information were screened and matched to determine the number and production dates of potentially affected vehicles.

July 19, 2021: The Audi Product Safety Committee decides a voluntary worldwide recall for the affected vehicles.

Audi is not aware of any field incidents, accidents or injuries worldwide due to this issue.

## Description of Remedy :

Description of Remedy Program : The brake booster will be replaced. Because affected vehicles are within the New Vehicle Limited Warranty period, Audi will not offer a reimbursement plan under this recall.

How Remedy Component Differs from Recalled Component : The remedy components have been built outside of the suspect period and are within specification.

Identify How/When Recall Condition was Corrected in Production : The deviation occurred after maintenance in the supplier's production facilities in September 2018. Continental implemented the following corrective measures in its plants: increased press force, added additional verification following maintenance, systemic improvements to assure lessons learned are implemented. At the Audi factory in Brussels, the affected parts were used in production until December 11, 2020. Starting on December 12, 2020 vehicles have received parts produced according to specification.

## Recall Schedule :

Description of Recall Schedule : Dealers/Owners: On or before 09/24/2021

Planned Dealer Notification Date : SEP 24, 2021 - SEP 24, 2021

Planned Owner Notification Date : SEP 24, 2021 - SEP 24, 2021

\* NR - Not Reported