

Part 573 Safety Recall Report

19V-535

Manufacturer Name : Volkswagen Group of America, Inc.**Submission Date :** JUL 17, 2019**NHTSA Recall No. :** 19V-535**Manufacturer Recall No. :** 69Z5**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 : 27,822

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2015-2016 Volkswagen Tiguan

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population (the affected VIN numbers) was determined based on the serial numbers provided by the supplier as potentially equipped with defective capacitors in the airbag control units. Vehicles not included in this recall have not been equipped with an airbag control unit with a potential defective capacitor.
Tiguan vehicle count: 25239

Production Dates : MAR 12, 2015 - DEC 19, 2015

VIN Range 1 : Begin : WVGBV7AX6FW102676 End : WVGBV7AXXGW575241 Not sequential

Vehicle 2 : 2015-2016 Volkswagen CC

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population (the affected VIN numbers) was determined based on the serial numbers provided by the supplier as potentially equipped with defective capacitors in the airbag control units. Vehicles not included in this recall have not been equipped with an airbag control unit with a potential defective capacitor.
CC vehicle count: 2583

Production Dates : MAY 06, 2015 - DEC 17, 2015

VIN Range 1 : Begin : WVWBP7AN5FE828869 End : WVWBP7AN8GE512321 Not sequential

Description of Defect :

Description of the Defect : A faulty capacitor in the airbag control module can cause the airbags in the vehicle to deactivate, or, in rare cases, lead to an unexpected deployment of the airbags and/or safety belt pretensioners, resulting in an increased risk of injury in a crash. If the airbag warning light comes on, it indicates an airbag system problem and owners are advised to contact a Volkswagen dealer to have the vehicle inspected/serviced without delay.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An inadvertent airbag deployment may increase the risk of an injury due to the deployment or increase the risk of a crash without warning. A deactivated airbag in case of a crash may increase the risk of an injury in a crash where an airbag deployment would have been necessary.

Description of the Cause : The affected vehicles may contain an airbag control unit supplied by ZF/TRW with a defective capacitor. When the capacitor fails it can cause an increasing Equivalent Series Resistance (ESR) and may result in a deviation at the 5V power supply.

Identification of Any Warning that can Occur : If the failure is detected the airbag warning light is turned on. In the majority of the known field cases the airbag warning light was on.

Supplier Identification :**Component Manufacturer**

Name : ZF Group

Address : Fritz-Reichle-Ring 8
Radolfzell FOREIGN STATES 78315

Country : Germany

Chronology :

September 2017: First information received about single case from field.

January 2018: Sub-supplier presented its analysis of the single field case.

February 2018: Sub-supplier started conducting further analysis (e.g., long term climatic test).

May 2018: Information received about potential second case from field.

July 2018: ZF/TRW confirmed that in the second field case, the Equivalent Series Resistance (ESR) in the airbag control module was out of specification.

Since August 2018: Analysis together with ZF/TRW based on the single cases/field data.

September 2018: Information received about potential third case from field.

February 2019: ZF/TRW confirmed that in the third field case, the Equivalent Series Resistance (ESR) in the

airbag control module was out of specification.

Since February 2019: In-depth analysis together with ZF/TRW in order to identify root cause, frequency, potential customer consequences, and scope of the issue.

June 21, 2019: The topic was presented in Volkswagen Product Safety Committee. Further analysis was requested (i.e., detailed evaluation of potentially affected airbag control units)

June 21, 2019 – July 10, 2019: Coordinated with ZF/TRW to further analyze the issue, including the potential customer consequences, and to identify potentially affected VINs.

July 10, 2019: The topic was presented in Volkswagen Product Safety Committee, where a determination of defect was made and a recall decided.

Description of Remedy :

Description of Remedy Program : The affected vehicles will be flashed with a new software that is able to detect an increase of the Equivalent Series Resistance (ESR). In case the new software detects an increased ESR, the airbag control module will be replaced.

How Remedy Component Differs from Recalled Component : The new software of the airbag control unit is able to detect an increase of the Equivalent Series Resistance (ESR).
If an airbag control unit with faulty capacitor is detected, the airbag control module with the part numbers 5N0 959 655* will be replaced.
*: different indices

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : On or before September 13, 2019

Planned Dealer Notification Date : SEP 13, 2019 - SEP 13, 2019

Planned Owner Notification Date : SEP 13, 2019 - SEP 13, 2019

* NR - Not Reported