

Part 573 Safety Recall Report

21V-470

Manufacturer Name : Volkswagen Group of America, Inc.

Submission Date : JUN 23, 2021

NHTSA Recall No. : 21V-470

Manufacturer Recall No. : 69CJ



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 : 62,812

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2000-2001 Audi TT ROADSTER

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : All Audi vehicles equipped with a Non-Azide Driver Inflator by Takata and not yet included in Audi's recall 20V-056 are included in the recall.

TT Roadster count: 5178

Production Dates : FEB 08, 2000 - SEP 12, 2000

VIN Range 1 : Begin : TRUTC28N011000114 **End :** TRUTC28N0Y1024889 Not sequential

Vehicle 2 : 2000-2001 Audi TT COUPE

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : All Audi vehicles equipped with a Non-Azide Driver Inflator by Takata and not yet included in Audi's recall 20V-056 are included in the recall.

TT Coupe count: 3167

Production Dates : JAN 10, 2000 - SEP 01, 2000

VIN Range 1 : Begin : TRUUT28N011000473 **End :** TRUTC28N3Y1077506 Not sequential

Vehicle 3 : 2000-2002 Audi S4

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : All Audi vehicles equipped with a Non-Azide Driver Inflator by Takata and not yet included in Audi's recall 20V-056 are included in the recall.
S4 count: 11784

Production Dates : JAN 10, 2000 - AUG 16, 2001

VIN Range 1 : Begin : WAURD68D42A000177 End : WAUDD68D3YA211471 Not sequential

Vehicle 4 : 2000-2002 Audi A4

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : All Audi vehicles equipped with a Non-Azide Driver Inflator by Takata and not yet included in Audi's recall 20V-056 are included in the recall.
A4 count: 42,683

Production Dates : JAN 10, 2000 - AUG 13, 2001

VIN Range 1 : Begin : WAUDC68D31A000165 End : WAUDC28D9YA210739 Not sequential

Description of Defect :

Description of the Defect : Affected vehicles are equipped with Takata Non-Azide Driver Airbag Inflators (NADI) which were produced and sold by Takata. According to the equipment defect notification 19E-080 filed by Takata in 2019, certain Takata Non-Azide Driver Airbag Inflators have the potential to exhibit elevated moisture ingress due to insufficient aluminum tape seal. This can lead to slow deployment, which may result in insufficient protection by the driver frontal airbag, or there may be over-aggressive combustion creating excessive internal pressure when the driver frontal airbag is deployed. Audi is currently not aware of any inflator ruptures in the field or in parts collected from Audi field vehicles and analyzed in test environments. Audi is also not aware of any field incidents in Audi vehicles worldwide where the airbag/inflator showed a slow or non-deployment.
However, our testing shows that NADI inflators in Audi vehicles could potentially underinflate or not deploy at all due to moisture ingress. For further information please refer to TK Global's report 19E-080 and Audi's defect information report 20V-056.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In case of a crash with airbag deployment, propellant with high moisture content may result in reduced restraint performance, which may lead to an

increased risk of injury. Audi vehicles are equipped with a different type of NADI inflators than the ones with reported field incidents. At this point Audi is not aware of any cases worldwide in Audi vehicles involving NADI inflators where the airbag did not perform as designed, neither inflator ruptures nor cases of underinflation.

Description of the Cause : Based upon the investigation by the supplier and our own analysis, the potential for an insufficient airbag performance and all influential factors have not been fully understood so far. The failure mechanism may be influenced by a variety of factors, including the subtype of the NADI inflator, manufacturing variations, climatic conditions, vibration, specifics of vehicle applications or other variables.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Driver Inflator

Component Description : Non-Azide Driver Airbag Inflators

Component Part Number : 4B0.951.403, 4B0.951.403 A

Supplier Identification :

Component Manufacturer

Name : Takata (TK Global LLC)

Address : 111 Peyerk Court
Romeo Michigan 48065

Country : United States

Chronology :

Please refer to Audi's Part 573 report identified as 20V-056 submitted on January 29th, 2020.

February 2020 - May 2021: Audi developed a completely new inflator for the driver airbag for the remedy solution on the affected vehicles. At the same time there was intense testing on more than 300 parts from field vehicles. Although vehicles which contained a driver air bag inflator which was produced by the supplier with the improved foil tape seal were not deemed to be suspect, Audi continued analysis on parts collected from the field also from after the clean date. The results of that testing and analysis indicate that some of these inflators

showed signs of leakage and a decrease in deployment performance despite the improved foil tape seal.

June 16, 2021: Based on the analysis results and out of an abundance of caution, the Audi Product Safety Committee decided to conduct a voluntary safety recall for those vehicles produced after January 1, 2000 that are equipped with a NADI inflator and were not yet included in the previous recall 20V-056 as they were not deemed suspect at the time of that decision.

Description of Remedy :

Description of Remedy Program :	The dealer will replace the driver frontal airbag inflator with an alternative inflator. Audi will not offer a reimbursement program under this recall.
How Remedy Component Differs from Recalled Component :	The driver airbag inflator will be replaced with a completely newly designed inflator with Guanidine nitrate (GuNi) propellant.
Identify How/When Recall Condition was Corrected in Production :	Based on Takata's production records, all inflators produced from August 21, 1999 have received an improved sealing tape. However, out of an abundance of caution Audi is now also recalling the vehicles produced with NADI inflators with the optimized seal.

Recall Schedule :

Description of Recall Schedule :	Dealers/owners: On or before August 20, 2021
Planned Dealer Notification Date :	AUG 20, 2021 - AUG 20, 2021
Planned Owner Notification Date :	AUG 20, 2021 - AUG 20, 2021

* NR - Not Reported