

Part 573 Safety Recall Report

18V-905

Manufacturer Name : Mercedes-Benz USA, LLC.

Submission Date : FEB 22, 2019

NHTSA Recall No. : 18V-905

Manufacturer Recall No. : 2019020004



Manufacturer Information :

Manufacturer Name : Mercedes-Benz USA, LLC.

Address : 13470 International Parkway
Jacksonville FL 32218

Company phone : 1-877-496-3691

Population :

Number of potentially involved : 809

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2019 Mercedes-Benz AMG GLC63 Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 253.388 0J8J 213 vehicles.

The recall population was determined through production records.

Unaffected vehicles have correct airbag control unit software parameters.

Production Dates : SEP 06, 2017 - NOV 01, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2018-2019 Mercedes-Benz AMG GLC63 S Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 253.389 0J8K 245 vehicles.

The recall population was determined through production records.

Unaffected vehicles have correct airbag control unit software parameters

Production Dates : SEP 06, 2017 - NOV 01, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 : 2018-2019 Mercedes-Benz GLC63

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 253.988 0G8J 351 vehicles.

Descriptive Information :

The recall population was determined through production records.

Unaffected vehicles have correct airbag control unit software parameters.

Production Dates : SEP 06, 2017 -NOV 01, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : Daimler AG (“DAG”), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year (“MY”) GLC-Class (253 platform) AMG vehicles, the airbag control unit software parameters might not meet production specifications.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : This might lead to a delayed activation of the passenger airbag in the defined crash test for “unbelted 5th percentile adult female”. In case of a crash this might lead to increased occupant loading and thus to an increased risk of injury for the front passenger. The legal requirements of FMVSS208 might not be met.

Description of the Cause : Due to a deviation in the development process, the airbag control unit software parameters might not meet production specifications.

Identification of Any Warning that can Occur : The customer will not receive an advance warning due to the nature of the failure mechanism.

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

In late May 2018, DAG launched initial investigations based on unexpected deviations regarding the passenger airbag activation. These deviations occurred during internal testing of the GLC (253 platform, AMG variant). The investigations were at first focused on the test setup to exclude potential measuring errors. However, no deviations could be identified in the test setup.

In the following months, further analyses were performed to determine the root cause of the delayed passenger airbag activation. In August 2018, first results of these analyses indicated that the airbag control unit

parameters for the GLC might not meet the requirements of the AMG variant. Further analysis was performed to determine whether other GLC variants might show similar behavior regarding the activation of the passenger airbag due to airbag control unit parameters. The analysis ultimately revealed that the crash pulse of the GLC AMG variant differs from the other variants and therefore requires specific airbag control unit parameters parametrization. In November 2018, the range of potentially affected AMG vehicles was determined. In the beginning of December 2018, DAG determined that a potential safety risk could not be ruled out.

Description of Remedy :

Description of Remedy Program : As a precautionary measure an authorized Mercedes-Benz dealer will update the parameters of the airbag control unit software.

Pursuant to 49 C.F.R. § 577.11(e), MBUSA does not plan to provide notice about pre-notice reimbursement to owners since all involved vehicles remain covered under the new vehicle warranty.

How Remedy Component Differs from Recalled Component : Airbag control unit with correct parameterization.

Identify How/When Recall Condition was Corrected in Production : A change in the parametrization of the airbag control unit software ensures that this issue can no longer occur from November 10, 2018 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending campaign in January 2019. A copy of all communications will be provided when available.

Owners will be notified with an interim letter in February 2019 and again when software is available, approximately one week after recall launch to dealers.

Planned Dealer Notification Date : JAN 04, 2019 - NR

Planned Owner Notification Date : FEB 08, 2019 - NR

* NR - Not Reported