

Part 573 Safety Recall Report

21V-639

Manufacturer Name : Mercedes-Benz USA, LLC**Submission Date :** SEP 03, 2021**NHTSA Recall No. :** 21V-639**Manufacturer Recall No. :** 2021080019**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 : 66

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2020 Mercedes-Benz GLB250

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020 GLB250 66 Vehicles. The recall population was determined through production records. Vehicles outside of the recall population have the airbag control unit parameters according to current production specifications.

Production Dates : APR 30, 2019 - JUL 05, 2019

VIN Range 1 : Begin : NR End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Mercedes-Benz AG ("MBAG"), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year ("MY") 2020 GLB-Class (247 platform) vehicles, the airbag control unit software might not meet current production specifications.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The activation timing of the seat belt force limiters (driver and front passenger seats) and the front passenger airbag might deviate from their specifications. Thus, in the event of a frontal collision with activation of the restraint systems, the risk of injury for the occupants might increase.

Description of the Cause : Due to a deviation in the production process, an incorrect parameter data set might have been applied to the airbag control unit.

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

Involved Components :

Component Name 1 : Airbag Control Unit

Component Description : Airbag Control Unit Software

Component Part Number : A2479032401

Supplier Identification :**Component Manufacturer**

Name : Robert Bosch GmbH

Address : 74321 Bietigheim, Germany

Bietigheim Foreign States 74321

Country : Germany

Chronology :

In mid of September 2019, MBAG launched its initial investigations based on feedback from the vehicle plant that vehicles may have left the plant with an incorrect parameter data set on the airbag control unit. The installed parameter data set originates from a different vehicle model and includes slightly different activation timing of the restraint system. From October 2019 onwards, the parameter data sets were initially compared to identify and evaluate possible differences.

From March to June 2020, MBAG operations were severely restricted due to the COVID-19 pandemic. As operations began to resume in June 2020, MBAG conducted evaluations to identify potential effects of the different parameter data set and activation timing on the restraint system in various load cases. That testing and evaluation continued into 2021.

From February 2021 onwards, investigations were conducted concerning the occupant restraint effects as well as the occupant load values in the event of a frontal impact. In parallel, regulatory compliance in the potentially affected markets was analyzed. On August 6, 2021, MBAG determined that a potential safety risk cannot be ruled out and decided to conduct a recall.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealer will update the airbag control unit software on the affected vehicles.

Pursuant to 49 C.F.R. § 577.11(e), MBUSA does not plan to provide notice about pre-notice reimbursement to owners since none of the involved vehicles would have been previously subject to the condition described and all remain covered under the new vehicle warranty.

How Remedy Component Differs from Recalled Component : Airbag control unit parameter data set. Airbag control unit software A2479032401

Identify How/When Recall Condition was Corrected in Production : A change in the production procedures ensures that this issue can no longer occur from July 8, 2019 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on August 20, 2021.

Owners will be notified of the voluntary recall campaign before October 12, 2021.

A copy of all communications will be provided when available.

Planned Dealer Notification Date : AUG 20, 2021 - NR

Planned Owner Notification Date : OCT 12, 2021 - NR

* NR - Not Reported