

Part 573 Safety Recall Report

22V-679

Manufacturer Name : Mercedes-Benz USA, LLC**Submission Date :** OCT 24, 2022**NHTSA Recall No. :** 22V-679**Manufacturer Recall No. :** 2022090009**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 : 4
Estimated percentage with defect : 100 %

Vehicle Information :**Vehicle 1 :** 2021-2021 Mercedes-Benz GLB250**Vehicle Type :** LIGHT VEHICLES**Body Style :** SUV**Power Train :** GAS**Descriptive Information :** Mercedes-Benz 2021 GLB-Class 4 Vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have the ESP unit meet current production specifications.

Production Dates : OCT 19, 2020 - OCT 20, 2020**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") 2021 GLB (247 platform) vehicles, the Electronic Stability Program ("ESP") unit might have been damaged mechanically.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In this case, moisture might ingress into the ESP control unit and internal components of the ESP unit might be affected from prior damage. As a consequence, ESP functions (e.g. vehicle stability control, ABS) might be deactivated and a risk of fire due to an internal short circuit cannot be ruled out.
 This could increase the risk of a crash or injury.

Description of the Cause : The ESP units of the potentially affected vehicles might have been damaged in the logistics process.

Identification of Any Warning that can Occur : When the issue occurs, the driver might notice illuminated warning lamps and warning messages regarding an ESP malfunction in the instrument cluster.

Involved Components :

Component Name 1 : ESP unit

Component Description : ESP unit (series part number)

Component Part Number : A1779008005

Supplier Identification :

Component Manufacturer

Name : Robert Bosch GmbH

Address : Blaichach Plant

Robert-Bosch-Strasse 1 Immenstadt Foreign States 87509

Country : Germany

Chronology :

In October 2020, MBAG launched initial investigations based on internal reports from the vehicle assembly plant after ESP malfunctions were detected during the vehicle end-of-line test. Subsequent analysis by the supplier was conducted and in January 2021 it was concluded that the observed malfunctions were caused by mechanical damage to the ESP units.

Between February and April 2021, analyses in the vehicle assembly plant were conducted to identify the cause for the observed damages. It was determined that the affected ESP units were damaged during removal from the vehicles in the assembly plant. Therefore, it was concluded that no relevance for vehicles in the field existed.

In the end of September 2021, MBAG was informed by the supplier that analyses of malfunctioning ESP units from the field identified mechanical damage to be the root cause.

From October 2021 onwards, investigations with the vehicle assembly plant were resumed in order to analyze how the damage on ESP units installed in vehicles could occur. In the course of the ongoing investigations, the analysis of serial number data from ESP units that exhibited malfunctions in the field rendered that all of those units were part of the same batch.

Subsequently, vehicles equipped with ESP units from the potentially affected batch were identified by analyzing production records and from December 2021 onwards, a plant rework campaign was started in order to block and rework vehicles still in the plant and logistics process and to identify potentially affected vehicles in the field.

In the further course of the analyses - and contrary to earlier assumptions - it was concluded that the batch of potentially affected ESP units might have been damaged during handling in the vehicle assembly plant before installation into the vehicles.

Between May and July 2022, potential consequences of the issue were evaluated and the field complaint situation was analyzed.

Please see updated Chronology Supplement.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealer will replace the ESP unit 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 : ESP unit not damaged.
Remedy Parts :
A1779008105 - ESP unit (spare part part number)

Identify How/When Recall Condition was Corrected in Production : A change in the production processes ensures that this issue can no longer occur from October 26, 2020 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on September 19, 2022. Owners will be notified of the voluntary recall campaign on October 28, 2022.
A copy of all communications will be provided when available.

Planned Dealer Notification Date : SEP 19, 2022 - NR
Planned Owner Notification Date : OCT 28, 2022 - NR

* NR - Not Reported