

# Part 573 Safety Recall Report

# 22V-733

**Manufacturer Name :** Mercedes-Benz USA, LLC**Submission Date :** JAN 12, 2023**NHTSA Recall No. :** 22V-733**Manufacturer Recall No. :** 2022100009**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 : 19,698

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2019-2022 Mercedes-Benz CLS450 Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 9,741 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have the 12V battery mounted according to current production specifications.

Production Dates : JAN 08, 2018 - AUG 23, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2019-2021 Mercedes-Benz AMG CLS53 Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 2,096 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have the 12V battery mounted according to current production specifications.

Production Dates : JAN 08, 2018 - AUG 23, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2021-2022 Mercedes-Benz E450

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 3,428 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have the 12V battery mounted according to current production specifications.

Production Dates : JAN 08, 2018 - AUG 23, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2019-2022 Mercedes-Benz AMG E53

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 4,433 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have the 12V battery mounted according to current production specifications.

Production Dates : JAN 08, 2018 - AUG 23, 2022

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") 2019-2022 E-Class (213 platform) and CLS (257 platform) vehicles, the 12V battery mounting (in the trunk) might be dislodged in the event of a crash.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event of a crash, the 12V battery could move in the spare wheel well. Thus, a detachment of the electrical connections from the battery cannot be ruled out. In that event, various post-crash functions such as eCall, electric seat adjustment, hazard warning lights, and automatic door unlocking could be impaired or inoperative. This may increase the risk of injury for the vehicle occupants.

Description of the Cause : Due to a deviation in the development process, the 12V battery mount(s) might not withstand certain mechanical loading in the event of a crash.

Identification of Any Warning that can Occur : The driver would not receive a warning due to the nature of the failure mechanism.

## Involved Components :

Component Name 1 : Battery

Component Description : 12 Volt Battery

Component Part Number : A0019827908

Component Name 2 : Battery

Component Description : 12 Volt Battery

Component Part Number : A0009825010

## Supplier Identification :

### Component Manufacturer

Name : Philippine GMBH &CO. Technische Kunststo

Address : Max Schwarz – Str. 23

Lahnstein Foreign States 56107

Country : Germany

## Chronology :

In early 2021, MBAG detected an irregularity in a single internal standard crash test in which a 12V battery moved as a result of the crash. This was the first and only occurrence showing this irregularity in a vehicle crash test. Prior crash tests had not observed such battery movement.

MBAG initiated an investigation in which it analyzed the crash test and its documentation in detail.

In the course of the investigation and related testing, MBAG was unable to reproduce the battery movement observed in the earlier crash test. There also were no reports of such an occurrence in the field.

MBAG continued to conduct research and testing, and monitor field reports and claims to determine whether the crash test result had been an isolated anomaly or whether there was a risk of battery movement occurring in a real world crash.

In parallel and as a precautionary measure, MBAG developed an improved battery mount as extra protection against any possible battery movement during a crash. This measure was implemented in August 2022 to vehicle production.

In the summer of 2022, MBAG analyzed whether post-crash failure of eCall and hazard warning lights might constitute a safety risk in relation to the specific boundary conditions of the subject failure mechanism. Also during that time, MBAG determined the population of vehicles that had used the previous battery mounting. On September 23, 2022, MBAG determined out of an abundance of caution that a potential safety risk cannot be ruled out and decided to conduct a recall.

There have been no warranty claims, field or service reports, and other information (such as the numbers of deaths and/or injuries) related to such a battery movement incident in the USA.

## Description of Remedy :

**Description of Remedy Program :** An authorized Mercedes-Benz dealer will install additional mounting support for the 12V battery on the affected vehicles. Pursuant to 49 C.F.R. § 577.11(e), MBUSA plans to provide notice about pre-notice reimbursement to owners since some of the involved vehicles would have been previously subject to the condition described.

**How Remedy Component Differs from Recalled Component :** Vehicles outside of the recall population have the 12V battery mounted according to current production specifications. A2136809409-Support.

**Identify How/When Recall Condition was Corrected in Production :** The implementation of additional mounting support of the 12V battery in production ensures that this issue could no longer occur from September 9, 2022 onwards.

## Recall Schedule :

**Description of Recall Schedule :** Dealers will be notified of the pending voluntary recall campaign on October 7, 2022. Owners notified of the voluntary recall campaign by an interim letter on November 22, 2022. A copy of all communications will be provided when available.

**Planned Dealer Notification Date :** OCT 07, 2022 - NR

**Planned Owner Notification Date :** NOV 22, 2022 - NR

\* NR - Not Reported