

# Part 573 Safety Recall Report

# 22V-167

**Manufacturer Name :** Mercedes-Benz USA, LLC**Submission Date :** MAR 18, 2022**NHTSA Recall No. :** 22V-167**Manufacturer Recall No. :** NR**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 : 9,156

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2022-2022 Mercedes-Benz EQS 450

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : NR

**Descriptive Information :** Mercedes-Benz 2021 EQS450 3 vehicles. The recall population was determined through production records. Vehicle outside of the recall have the signal acquisition and actuation module software according to current production specifications.

Production Dates : APR 22, 2020 - JAN 11, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2021-2021 Mercedes-Benz S 500

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

**Descriptive Information :** Mercedes-Benz 2021 S500 281 vehicles. The recall population was determined through production records. Vehicle outside of the recall have the signal acquisition and actuation module software according to current production specifications.

Production Dates : APR 22, 2020 - JAN 11, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2022-2022 Mercedes-Benz EQS 580

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : NR

Descriptive Information : Mercedes-Benz 2021 EQS580 5 vehicles. The recall population was determined through production records. Vehicle outside of the recall have the signal acquisition and actuation module software according to current production specifications.

Production Dates : APR 22, 2020 - JAN 11, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2021-2021 Mercedes-Benz S 580

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2021 S580 8867 vehicles. The recall population was determined through production records. Vehicle outside of the recall have the signal acquisition and actuation module software according to current production specifications.

Production Dates : APR 22, 2020 - JAN 11, 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”) 2021-2022 S-Class and EQS-Class (223 and 297 platform) vehicles, the rear signal acquisition and actuation module software might not meet current production specifications.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In this case, an incorrect initialization of the rear signal acquisition and actuation module might occur at start of the vehicle, which may restrict intended functions of the control unit. This condition might affect the function of the rear turn signal, rear hazard warning lamps, as well as the reversing lamp, which could increase the risk of a crash. Should this occur, the driver is made aware by corresponding warning messages in the instrument cluster.

Description of the Cause : Due to a deviation in the development process at a supplier, the rear signal acquisition and actuation module software might not meet current production specifications.

Identification of Any Warning that can Occur : Before the issue occurs, the driver will not receive a warning due to the nature of the failure mechanism.

When the issue occurs, the driver may be made aware of the issue by several warning messages in the instrument cluster.

**Involved Components :**

Component Name 1 : SW SAM

Component Description : Signal Acquisition and Actuation Module Software

Component Part Number : A 223 902 74 16

Component Name 2 : SW SAM

Component Description : Signal Acquisition and Actuation Module Software

Component Part Number : A 223 902 63 14

Component Name 3 : SW SAM

Component Description : Signal Acquisition and Actuation Module Software

Component Part Number : A 223 902 07 11

Component Name 4 : SW SAM

Component Description : Signal Acquisition and Actuation Module Software

Component Part Number : A 206 902 72 03

Component Name 5 : SW SAM

Component Description : Signal Acquisition and Actuation Module Software

Component Part Number : A 206 902 41 04

**Supplier Identification :****Component Manufacturer**

Name : Hella Romania S.R.L

Address : Hella Str. 3

Ghiroda Foreign States 307200

Country : Romania

## Chronology :

In the beginning of January 2021, MBAG launched initial investigations based on a finding after internal testing. Further analysis indicated a software problem at the initialization of the rear signal acquisition and actuation module. Tests were performed, which confirmed the software as a root cause for this issue.

Starting in February 2021, a new software was introduced in all relevant production plants. In parallel, plant actions were implemented to rework all potentially affected vehicles, which were still within the control of MBAG.

In addition, potential consequences as well as relevant regulations for vehicles in the field were analyzed. These investigations were performed until the start of January 2022 due to the complex nature of the system and affected components. Additionally, further analysis was conducted to identify the potentially affected vehicle population.

In general, there have been 19 cited cases of incident of which 12 warranty claims have been cited within the U.S from July 28, 2021 to October 20, 2021. No associated personal Injuries or third party damages have been reported in connection to the signal acquisition and actuation module software.

On March 11, 2022, 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 signal acquisition and actuation module software on the affected vehicles, according to current production specifications.

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 :** Signal acquisition and actuation module Software according to current production specifications.  
A 223 902 41 21  
A 206 902 84 04

**Identify How/When Recall Condition was Corrected in Production :** A change in the supplier software ensures that this issue can no longer occur from January 31, 2022 onwards.

## Recall Schedule :

**Description of Recall Schedule :** Dealers will be notified of the pending voluntary recall campaign on March 25, 2022. Owners will be notified of the voluntary recall campaign before May 17, 2022. A copy of all communications will be provided

when available.

Planned Dealer Notification Date : MAR 25, 2022 - NR

Planned Owner Notification Date : MAY 13, 2022 - NR

\* NR - Not Reported