

# Part 573 Safety Recall Report

# 23V-309

**Manufacturer Name :** Mercedes-Benz USA, LLC**Submission Date :** SEP 19, 2023**NHTSA Recall No. :** 23V-309**Manufacturer Recall No. :** 2023070013**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 : 3,828

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2023-2023 Mercedes-Benz EQE 350

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : 2 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have a Battery Management System that complies with FMVSS 305.

Production Dates : FEB 24, 2021 - SEP 08, 2022

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2023-2023 Mercedes-Benz S580e

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : 3 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have a Battery Management System that complies with FMVSS 305.

Production Dates : FEB 24, 2021 - SEP 08, 2022

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 3 : 2023-2023 Mercedes-Benz EQS SUV 450

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : 3 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have a Battery Management System that complies with FMVSS 305.

Production Dates : FEB 24, 2021 - SEP 08, 2022

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 4 : 2023-2023 Mercedes-Benz EQS SUV 450+

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : 4 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have a Battery Management System that complies with FMVSS 305.

Production Dates : FEB 14, 2021 - SEP 08, 2022

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 5 : 2022-2022 Mercedes-Benz AMG EQS 53

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : 133 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have a Battery Management System that complies with FMVSS 305.

Production Dates : FEB 24, 2021 - SEP 08, 2022

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 6 : 2022-2023 Mercedes-Benz EQS 450

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : 30 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have a Battery Management System that complies with FMVSS 305.

Production Dates : FEB 14, 2021 - SEP 08, 2022

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 7 : 2022-2022 Mercedes-Benz EQS 450+

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : 2772 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have a Battery Management System that complies with FMVSS 305.

Production Dates : FEB 14, 2021 - SEP 08, 2022

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 8 : 2022-2023 Mercedes-Benz EQS 580

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : 873 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have a Battery Management System that complies with FMVSS 305.

Production Dates : FEB 14, 2021 - SEP 08, 2022

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 9 : 2023-2023 Mercedes-Benz EQS SUV 580

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : 8 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have a Battery Management System that complies with FMVSS 305.

Production Dates : FEB 14, 2021 - SEP 08, 2022

VIN Range 1 : Begin : NR End : NR

Not sequential

## Description of Noncompliance :

Description of the Noncompliance : Mercedes-Benz AG ("MBAG"), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year ("MY") 2022-2023 S-Class (223 platform) , EQE (295 platform), EQS SUV (296 platform) and EQS (297 platform) vehicles, the monitoring function of the high-voltage battery might be impaired over time.

FMVSS 1 : 305 - Electric-powered vehicles: Electrolyte spillage and electrical shock protection

FMVSS 2 : NR

Description of the Safety Risk : In certain circumstances, a warning alerting the driver of a battery malfunction might not activate in the event of a fault. In such instances, the

warning would not comply with a requirement of FMVSS 305. This FMVSS non-compliance could result in an increased risk of injury.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

## Involved Components :

Component Name 1 : Battery Management Software

Component Description : Battery Management Software

Component Part Number : A7899024302

Component Name 2 : Battery Management Software

Component Description : Battery Management Software

Component Part Number : A7899023903

Component Name 3 : Battery Management Software

Component Description : Battery Management Software

Component Part Number : A7899023703

Component Name 4 : Battery Management Software

Component Description : Battery Management Software

Component Part Number : A7899025203

Component Name 5 : Battery Management Software

Component Description : Battery Management Software

Component Part Number : A7899024603

Component Name 6 : Battery Management Software

Component Description : Battery Management Software

Component Part Number : A7899025303

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Component Name 7 : Battery Management Software

Component Description : Battery Management Software

Component Part Number : A7899024203

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Component Name 8 : Battery Management Software

Component Description : Battery Management Software

Component Part Number : A7899026006

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Component Name 9 : Battery Management Software

Component Description : Battery Management Software

Component Part Number : A7899026103

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Component Name 10 : Battery Management Software

Component Description : Battery Management Software

Component Part Number : A7899025603

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Component Name 11 : Battery Management Software

Component Description : Battery Management Software

Component Part Number : A7899023503

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Component Name 12 : Battery Management Software

Component Description : Battery Management Software

Component Part Number : A7899023603

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Component Name 13 : Battery Management Software

Component Description : Battery Management Software

Component Part Number : A7899024303

## Supplier Identification :

### Component Manufacturer

Name : Mercedes-Benz AG

Address : NR

Foreign States

Country : Germany

## Chronology :

In May 2022, MBAG examined an abnormality identified during battery and software testing. Internal tests indicated a potential deviation from specifications. MBAG's further investigation determined that in some vehicles, the Battery Management System (BMS) might experience a fault that could affect certain diagnostic functions.

MBAG initiated a review of whether the identified potential fault might have regulatory compliance implications in any of the jurisdictions in which the potentially affected vehicles were sold.

From December 2022 through March 2023, MBAG continued to investigate possible effects of the potential BMS diagnostic fault. This continued investigation identified a potential failure of a warning indicator to alert the driver of a BMS malfunction.

On April 21, 2023, MBAG determined that non-compliance with FMVSS 305 cannot be ruled out and decided to conduct a recall.

September 19, 2023:

On September 12, MBAG ran a new search to identify vehicle allocation for markets outside of the USA. It was noted that 5 vehicles previously located in foreign markets were now in the US market. As a result, the additional vehicles were added to recall 23V309.

MBAG is not aware of any warranty claims, field or service reports, or reports of property damage, death, or injury related to this defect.

## Description of Remedy :

Description of Remedy Program : As a precautionary measure, an authorized Mercedes-Benz dealership will update the software for the Battery Management System 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 : Vehicles outside of the recall population have a Battery Management System that complies with FMVSS 305.

A7899024903 Battery Management Software  
A7899025003 Battery Management Software  
A7899024502 Battery Management Software  
A7899029302 Battery Management Software  
A7899024202 Battery Management Software  
A7899024902 Battery Management Software  
A7899022202 Battery Management Software  
A7899023402 Battery Management Software  
A7899024102 Battery Management Software  
A7899022602 Battery Management Software  
A7899021702 Battery Management Software  
A7899021602 Battery Management Software

Identify How/When Recall Condition was Corrected in Production : A change in the Battery Management System ensures that this issue can 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 May 5, 2023. Owners will be notified of the voluntary recall campaign on or before June 27, 2023. A copy of all communications will be provided when available.

Planned Dealer Notification Date : MAY 05, 2023 - NR

Planned Owner Notification Date : JUN 27, 2023 - NR

\* NR - Not Reported