

Part 573 Safety Recall Report

23V-200

Manufacturer Name : Mercedes-Benz USA, LLC**Submission Date :** APR 28, 2023**NHTSA Recall No. :** 23V-200**Manufacturer Recall No. :** 2023040009**Manufacturer Information :****Population :**

Manufacturer Name : Mercedes-Benz USA, LLC

Number of potentially involved : 6

Address : 13470 International Parkway

Estimated percentage with defect : 100 %

Jacksonville FL 32218

Company phone : 1-877-496-3691

Vehicle Information :

Vehicle 1 : 2021-2021 Mercedes-Benz S580 Maybach

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz Maybach S-Class 4 vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the primary bulkhead sealing meets the specifications for water intrusion

Production Dates : APR 22, 2020 - OCT 28, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2021-2021 Mercedes-Benz S580

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz S-Class 2 vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the primary bulkhead sealing meets the specifications for water intrusion

Production Dates : APR 22, 2020 - OCT 28, 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 S-Class (223 platform) vehicles, the primary bulkhead sealing might not meet the specifications for water intrusion

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In this case, high water exposure might lead to water ingress into the vehicle’s interior and cause corrosion on the electrical contacts and/or short circuits or leakage currents.

As a result, the function of the PreSafe system (e.g. seatbelt tightening and seat adjustment) might be impaired which may increase the risk of injury in the event of a crash. In addition, it may not be possible to restart a parked vehicle.

Description of the Cause : Due to a deviation in the development process, the specifications for water intrusion requirements for the primary bulkhead might not be met.

Identification of Any Warning that can Occur : When the issue occurs, the customer might notice damp carpets in the front footwells or fogged windows. The driver might also be made aware through a warning message in the instrument cluster.

Involved Components :

Component Name 1 : WATER DRAIN MI LL

Component Description : WATER DRAIN MI LL

Component Part Number : A2238312300

Component Name 2 : WATER DRAIN MI LL

Component Description : WATER DRAIN MI LL

Component Part Number : A2238316200

Supplier Identification :**Component Manufacturer**

Name : Odenwald-Chemie GmbH

Address : Hirschhorner Straße 47

Neckarsteinach Foreign States 69239

Country: Germany

Chronology :

In July 2020, MBAG's standard quality control testing found that under certain conditions, water might ingress into the vehicle's interior. MBAG immediately initiated analyses to determine the root cause. These analyses indicated a leak in the area of the water drain at the primary bulkhead.

In October 2020, improvements were implemented in the production to the water drain and the sealing of the primary bulkhead in order to prevent potential water leakage into the vehicle.

From October 2020 until June 2021, MBAG monitored and analyzed production vehicles to validate the effectiveness of the countermeasures. Subsequently, MBAG initiated plant actions to identify potentially affected vehicles.

In parallel, MBAG investigated the potential effects of the observed issue on electrical connections and components in the area surrounding the front wall. This complex analysis of potential consequences continued until mid 2022.

Throughout MBAG's investigations and review, it has received no field reports of water ingress due to the seal of the front wall, worldwide. Nonetheless, MBAG conducted internal studies to determine whether the observed issue could occur in the field. These studies concluded in early 2023 that in rare scenarios involving high water exposure, water leakage through the primary bulkhead could occur in certain vehicles manufactured prior to the drain and sealing changes implemented in production.

In early 2023, MBAG reviewed production records and plant actions to identify the population of potentially affected vehicles.

On March 17, 2023, MBAG determined that a potential safety risk cannot be ruled out and decided to conduct a recall.

MBAG can confirm there are no warranty claims, field or service reports, and other information (such as the numbers of deaths and/or injuries) related to this issue in the USA.

Description of Remedy :

Description of Remedy Program : As a precautionary measure, an authorized Mercedes-Benz dealership will rework the sealing of the primary bulkhead front wall 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 : The sealing of the front wall meet the specifications for water intrusion
Remedy Parts:

SEALING ADHESIVE A003989017109
PROTECTIVE COVER LL A2238352800
WATER DRAIN MI LL A2238312300

WATER DRAIN MI LL A2238316200

Identify How/When Recall Condition was Corrected in Production : The introduction of an optimized sealing of the primary bulkhead ensures that this issue can no longer occur from August 1, 2022 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on March 31, 2023. Owners will be notified of the voluntary recall campaign on May 12, 2023.
A copy of all communications will be provided when available.

Planned Dealer Notification Date : MAR 31, 2023 - NR

Planned Owner Notification Date : MAY 12, 2023 - NR

* NR - Not Reported