

Part 573 Safety Recall Report

23V-554

Manufacturer Name : Mercedes-Benz USA, LLC**Submission Date :** SEP 01, 2023**NHTSA Recall No. :** 23V-554**Manufacturer Recall No. :** 2023080008**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 : 73
Estimated percentage with defect : 100 %

Vehicle Information :**Vehicle 1 :** 2022-2023 Mercedes-Benz Maybach S580**Vehicle Type :** LIGHT VEHICLES**Body Style :** 4-DOOR**Power Train :** GAS

Descriptive Information : 57 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have a properly grounded 12V connection.

Production Dates : AUG 27, 2021 - OCT 20, 2022

VIN Range 1 : Begin : NR **End :** NR Not sequential

Vehicle 2 : 2022-2023 Mercedes-Benz Maybach S680**Vehicle Type :** LIGHT VEHICLES**Body Style :** 4-DOOR**Power Train :** GAS

Descriptive Information : 16 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have a properly grounded 12V connection.

Production Dates : AUG 27, 2021 - OCT 20, 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 2022-2023 S-Class (223 platform) vehicles, a 12V ground connection in the trunk might not meet specifications.

FMVSS 1 : NR**FMVSS 2 :** NR

Description of the Safety Risk : In this case, the connection might loosen over time and the electrical resistance at the connection may increase. Depending on the vehicle

configuration, certain functions of the ESP might be deactivated or the temperature on this connection could increase due to the high electrical currents. This might increase the risk of a crash or fire.

Description of the Cause : The sound dampening material for the side wall in the trunk might be clamped between the ground connection cable lug and the side wall.

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 might notice a warning message in the instrument cluster.

Involved Components :

Component Name 1 : Battery Sensor

Component Description : Battery Sensor

Component Part Number : A0009052815

Component Name 2 : Battery Sensor

Component Description : Battery Sensor

Component Part Number : A2239057910

Component Name 3 : Side Wall Dampening

Component Description : Side Wall Dampening

Component Part Number : A2236820404

Component Name 4 : Side Wall Dampening

Component Description : Side Wall Dampening

Component Part Number : A2236820604

Component Name 5 : Hinge Pivot

Component Description : Hinge Pivot

Component Part Number : A0009917603

Supplier Identification :

Component Manufacturer

Name : Mercedes-Benz AG
Address : NR
Foreign States
Country : Germany

Chronology :

In October 2022, during its ongoing internal production quality process, MBAG became aware of an irregularity concerning one specific ground connection case. In this specific case the sound dampening material at the trunk side wall was clamped between the grounding connection cable lug and the side-wall of the vehicle. Subsequently, MBAG conducted investigations whether this could potentially affect additional vehicles. At the end of 2022, MBAG commenced tests to investigate the effects of a clamped dampening material on those ground connections. MBAG further identified the consequential electrical resistance and conducted analyses on the effects to the components connected to this ground connection. At the same time as the analyses, MBAG adapted the monitoring process for the affected connection in production, to identify any clamped dampening material. From March to April 2023, MBAG commenced thermal tests. Up until mid- May 2023, in parallel, the fastening curve diagram of each individual potentially affected vehicle was analyzed and evaluated to identify the vehicles that may potentially be affected by clamped dampening material. Furthermore as an additional measure, an adapted design change for the side-wall dampening material was introduced in June 2023. On July 28, 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, or other information related to this defect in the USA.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealer will inspect the 12V ground connection on the affected vehicles and perform repairs, if necessary.

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 properly grounded 12V connection. Remedy Parts: A0009052815-Battery Sensor, A2239057910-Battery Sensor, A2236824405-Side Wall Dampening, A2236824605-Side Wall Dampening, A0009917603-Hinge Pivot

Identify How/When Recall Condition was Corrected in Production : A change in the production monitoring process ensures that this issue can no longer occur from April 13, 2023 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on August 11, 2023. Owners will be notified of the voluntary recall campaign on or before October 3, 2023. A copy of all communications will be provided when available.

Planned Dealer Notification Date : AUG 11, 2023 - NR

Planned Owner Notification Date : OCT 03, 2023 - NR

* NR - Not Reported