

Part 573 Safety Recall Report

23V-074

Manufacturer Name : Mercedes-Benz USA, LLC**Submission Date :** MAR 20, 2023**NHTSA Recall No. :** 23V-074**Manufacturer Recall No. :** 2023030002**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
Estimated percentage with defect : 100 %

Vehicle Information :**Vehicle 1 :** 2022-2022 Mercedes-Benz EQS580**Vehicle Type :** LIGHT VEHICLES**Body Style :** 4-DOOR**Power Train :** NR**Descriptive Information :** Mercedes-Benz 2022 EQS 3 Vehicles.

The recall population was determined through production records.

For vehicles outside of the recall population, the bonding of the multi-purpose camera and the interior mirror to the windshield meet current production specifications.

Production Dates : JUN 23, 2022 - JUN 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") 2022 EQS (297 platform) vehicles, the bonding of the multi-purpose camera and the interior mirror to the windshield might not meet current production specifications.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In this case, the multi-purpose camera as well as the interior mirror might partially or completely detach from the windshield.

If the multi-purpose camera partially detaches, the function of several assistance systems such as DISTRONIC with active steering assist, Brake Assists with pedestrian detection, Lane Keeping Assists, Traffic Sign Assist, Augmented Reality function and Rain and Light Sensor function might be impaired, which could increase the risk of a crash.

A multi-purpose camera as well as interior mirror that has completely detached from the windshield, might enter the deployment zone of the frontal

airbags. Thus, the risk of injury for vehicle occupants might increase in the event of a crash with an airbag deployment.

Description of the Cause : Due to a production deviation at a supplier, the affected adhesive joints might not exhibit the required bonding strength.

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

Involved Components :

Component Name 1 : windshield

Component Description : windshield

Component Part Number : A2976708200

Supplier Identification :

Component Manufacturer

Name : Pilkington ITALIA Spa

Address : Zona Industriale

San Salvo Chieti Foreign States 66050

Country : Italy

Chronology :

At the end of June 2022, MBAG received a report from vehicle production, describing an instance in which a single vehicle with an insufficiently mounted multi-purpose camera was detected.

In July 2022, MBAG started initial analyses together with the supplier to identify the failure mechanism and root cause. In parallel, windshields in storage and vehicles in the production plant were inspected in order to identify any additional parts that may exhibit the subject issue.

Upon further analysis, the adhesive joint between the multi-purpose camera, interior mirror and the windshield might not meet the specified strength requirements.

From August 2022 onwards, test drives were conducted in order to investigate potential consequences of an adhesive joint not meeting the specified strength to vehicle functions and potential impact to occupant safety.

At the same time, the situation was analyzed in the field.

From October 2022 onwards, the failure mechanism of an adhesive joint that does not meet specifications was investigated with material experts in order to identify whether a potential loosening of the components would occur at a very early point in a vehicle's lifetime, i.e. whether the issue would be safely detected during the vehicle production and logistics process.

In January 2023, additional analyses concluded that a loosening of the multi-purpose camera and interior

mirror after vehicle delivery cannot be ruled out.

On February 3, 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 defect in the USA.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealership will inspect the windshield on the affected vehicles and replace it, if necessary. The existing multi-purpose camera and interior mirror will be mounted to the new windshield carrier plate.
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 bonding of the multi-purpose camera and the interior mirror to the windshield meet current production specifications.
Remedy Parts:
A2976709800 windshield

Identify How/When Recall Condition was Corrected in Production : A change in the production procedure of our supplier ensures that this issue can no longer occur from July 6, 2022 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on February 17, 2023. Owners will be notified of the voluntary recall campaign on March 31, 2023
A copy of all communications will be provided when available.

Planned Dealer Notification Date : FEB 17, 2023 - NR

Planned Owner Notification Date : MAR 31, 2023 - NR

* NR - Not Reported