

Part 573 Safety Recall Report

22V-937

Manufacturer Name : Mercedes-Benz USA, LLC**Submission Date :** MAY 23, 2023**NHTSA Recall No. :** 22V-937**Manufacturer Recall No. :** 2023040001**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 : 278

Estimated percentage with defect : 100 %

Vehicle Information :Vehicle 1 : 2022-2022 Mercedes-Benz AMG G 63 4x4²

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz Model Year 2022 AMG G-Class 278 vehicles.

The recall population was determined through production records. Vehicles outside of the recall have the rear axle differential housing that meet the strength requirements.

Production Dates : JUL 13, 2022 - OCT 21, 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 AMG G-Class (463 platform) with the special edition 4x4², the rear axle differential housing might not meet the strength requirements.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Cracks in the rear axle differential housing might occur during vehicle operation, which may lead to differential oil leaking onto the roadway. In this case a risk of a crash for following vehicle traffic may be increased. Further, fracturing of the housing cannot be ruled out and could lead to an interruption of the power transmission on the rear axle, in which a loss of wheel guidance and a loss of propulsion without warning cannot be ruled out. In this case, the risk of a crash or injury could be increased.

Description of the Cause : Due to a potential process deviation at a supplier, the strength requirements of the rear axle differential housing might not be met. Currently in analysis.

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

Involved Components :

Component Name 1 : rear axle

Component Description : rear axle

Component Part Number : A4633503701, A4633505601

Supplier Identification :

Component Manufacturer

Name : Oberaigner Powertrain GmbH

Address : 4155 Nebelber

Daimlerstraße 1 Foreign States

Country : Austria

Chronology :

On December 5, 2022, MBAG launched initial investigations based on an internal test showing a fracture of the rear axle differential housing. No third party damages or personal injuries were reported. Immediately, analyses of the failure mechanism and root cause were started together with the supplier. Subsequently, first cases from the field were reported outside of the US. However, still no third party damages or personal injuries were reported.

In mid December, the analysis indicated a stress induced fracture of the housing during operation of the vehicle. This root cause of the fracture is currently still under analysis.

In parallel, possible consequences for the vehicles in the field were analyzed together with the determination of the potentially affected vehicles.

On December 16, 2022, MBAG determined that a potential safety risk cannot be ruled out and decided to conduct a recall.

MBUSA contacted the agency on December 16, 2022 to inform NHTSA of the safety recall, stop drive instructions, and that communications with owners would start as soon as possible.

MBAG confirms 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 : The remedy is currently under analysis. An authorized Mercedes-Benz dealer will check and, if necessary, replace the rear axle of the affected vehicles.

Until the inspection/remedy is completed, customers will be instructed by the MBUSA Customer Assistance Center (CAC) not to drive their vehicle and will assist to make arrangements with their authorized Mercedes-Benz dealer to have the vehicle towed for inspection. Towing and loaner vehicles, where available, will be offered at no cost to the customer.

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 rear axle differential housings meet the strength requirements.

Identify How/When Recall Condition was Corrected in Production : A delivery stop of the affected vehicles ensures that this issue can no longer occur from December 14, 2022 onwards.

Recall Schedule :

Description of Recall Schedule : MBUSA will issue a stop-drive warning notice for the vehicles affected by this recall on December 17, 2022. Customers will be instructed by the MBUSA Customer Assistance Center (CAC) not to drive their vehicle and the CAC will assist to make arrangements with their authorized Mercedes-Benz dealer to have the vehicle towed for inspection. Towing and loaner vehicles or alternate transportation, where available, will be offered at no cost to the customer.

Customer notified by an interim letter mailed on January 13, 2023. Final owner notifications for Wave 1 mailed on May 12, 2023. Final owner notifications for Wave 2 will be mailed on May 26, 2023.

A copy of all communications will be provided when available.

Planned Dealer Notification Date : DEC 17, 2022 - NR

Planned Owner Notification Date : JAN 13, 2023 - NR

* NR - Not Reported