

Part 573 Safety Recall Report

22V-042

Manufacturer Name : Mercedes-Benz USA, LLC

Submission Date : FEB 26, 2022

NHTSA Recall No. : 22V-042

Manufacturer Recall No. : 2022020019



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 : 172

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2021 Mercedes-Benz Mercedes-AMG GT Black Series

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz MY2021 Mercedes-AMG GT Black Series 172 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have front wheel speed sensor wiring harnesses that meet current production specifications.

Production Dates : NOV 18, 2019 - SEP 02, 2021

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 Mercedes-AMG GT Black Series (190 platform) vehicles, the length of the wiring harness for the front wheel speed sensors might not meet current production specifications.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In certain driving maneuvers such as maximum steering input or full compression/extension of the suspension, damage to the wheel speed sensor wiring harness could occur due to tensile loading. In this case, vehicle dynamic control system functions might be impaired which could increase the risk of a crash.

Description of the Cause : Due to a deviation in the development process, the length of the wiring harness for the front wheel speed sensors might not meet current production specifications.

Identification of Any Warning The driver does not receive a prior warning due to the nature of the failure

that can Occur : mechanism.

Any failure of the vehicle dynamic control system functions would be indicated by a warning messages in the instrument cluster.

Involved Components :

Component Name 1 : Speed Sensor Wiring Harness - Right

Component Description : NR

Component Part Number : A1905406908

Component Name 2 : Speed Sensor Wiring Harness - Left

Component Description : NR

Component Part Number : A1905407208

Supplier Identification :

Component Manufacturer

Name : Kromberg & Schubert GmbH & Co. KG

Address : Raitestrasse 8

D-71272 Renningen Foreign States

Country : Germany

Chronology :

In May 2021, MBAG initiated initial investigations based on individual field reports from jurisdictions outside of the USA. Those reports described instances of various different instrument cluster messages pertaining to the vehicle dynamic control system functions. No third party damages or personal injuries were reported. MBAG requested and obtained relevant parts of affected vehicles for further analysis. These parts were analyzed in cooperation with the suppliers of the sensors and the wiring harness. In mid-July, MBAG's investigation detected indications of damage to the wiring harness. MBAG then performed pull tests in order to identify potentially affected batches of the wiring harness. Ultimately, the issue could not be limited to certain production batches.

On August 10, 2021 a single field case was reported in the USA. Inspection by the servicing dealer determined that there were no warrantable claims on the vehicle related to this defect report.

In September 2021, MBAG conducted analyses using adjusted wiring harnesses. Those analyses indicated that the length of the wiring harness had an influence on the vehicle dynamic control system functions. In October

2021, further investigations were performed to assess conditions that are necessary for the observed failure. In general, no associated personal injuries or third party damages have been reported in connection with the wiring harness deviation. On January 21, 2022, MBAG determined that a potential safety risk cannot be ruled out and decided to conduct a recall.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealer will replace the wiring harness of the front wheel speed sensor 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 : Change in part number.

Recalled components:
A1905406908 Wiring Harness Speed Sensor Right
A1905407208 Wiring Harness Speed Sensor Left

Remedy components:
A1905404609 – Wiring Harness Speed Sensor Right
A1905404509 – Wiring Harness Speed Sensor Left

Identify How/When Recall Condition was Corrected in Production : A change in the development procedure ensures that this issue can no longer occur from Dec 23, 2021 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on February 4, 2022. A copy of all communications will be provided when available.
Owners will be notified of the voluntary recall campaign on or before March 29, 2022.
A copy of all communications will be provided when available.

Planned Dealer Notification Date : FEB 04, 2022 - NR

Planned Owner Notification Date : MAR 29, 2022 - NR

* NR - Not Reported