

Part 573 Safety Recall Report

23V-097

Manufacturer Name : Mercedes-Benz USA, LLC**Submission Date :** APR 11, 2023**NHTSA Recall No. :** 23V-097**Manufacturer Recall No. :** 2023030005**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 : 26,116
Estimated percentage with defect : 100 %

Vehicle Information :**Vehicle 1 :** 2019-2021 Mercedes-Benz G550**Vehicle Type :** LIGHT VEHICLES**Body Style :** SUV**Power Train :** GAS

Descriptive Information : Mercedes-Benz MY 2019-2021 G550 11,018 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have the wiring harness manufactured according to current specifications.

Production Dates : JUN 22, 2018 - DEC 23, 2021

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

Vehicle 2 : 2019-2021 Mercedes-Benz AMG G63**Vehicle Type :** LIGHT VEHICLES**Body Style :** SUV**Power Train :** GAS

Descriptive Information : Mercedes-Benz MY 2019-2021 AMG G63 15,098 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have the wiring harness manufactured according to current specifications.

Production Dates : JUN 22, 2018 - DEC 23, 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") 2019-2022 G-Class (463 platform) vehicles, the front axle wiring harness might contact an auxiliary oil cooler.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In this case, the wiring harness might contact an auxiliary oil cooler and chafe, which could potentially damage the wiring harness over time. As a result, impairment of ABS and ESP functionality cannot be ruled out, which could potentially increase the risk of a crash.

Description of the Cause : Due to deviations in the development process the front axle wiring harness could come into contact and chafe on the auxiliary oil cooler due to a narrow passage in the relevant area.

Identification of Any Warning that can Occur : If the failure occurs, the driver would be made aware through an indicator lamp or warning message in the instrument cluster.

Involved Components :

Component Name 1 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A4635403412

Component Name 2 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A4635403512

Component Name 3 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A4635403612

Component Name 4 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A4635403712

Component Name 5 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A4635403812

Component Name 6 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A4635403912

Component Name 7 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A4635404012

Supplier Identification :

Component Manufacturer

Name : MBAG

Address : NR

NR

Country : NR

Chronology :

In February 2022, Mercedes-Benz AG began a review of isolated field reports by owners of G-Class vehicles, who stated they had observed an ABS and ESP indicator lamp in the instrument cluster. No related crashes, third-party damages, or personal injuries were reported. MBAG requested parts from the affected vehicles for further analysis.

From March through May 2022, based on its investigation and analysis of the parts collected from the field, MBAG determined that, in the analyzed cases, the front axle wiring harness had come into contact and chafed on an auxiliary oil cooler causing damage to the wiring harness.

In April 2022, to guard against such potential chafing, MBAG made a production adjustment, installing a protective sleeve on the potentially affected section of the wiring harness of all G-Class vehicles.

In parallel MBAG carried out systematic analysis of potentially affected signal wires for each possible wiring harness configuration. As part of the analyses, all functions of corresponding signal wires of the various wiring harness variants were checked and examined with regard to safety-relevant effects. In the course of this analysis MBAG determined that safety relevant consequences are limited to the potential impairment of the ABS and ESP brake system functionality. These investigations were completed by the end of 2022.

On February 10, 2023, MBAG determined that a potential safety risk could not be ruled out and decided to conduct a recall.

MBAG is currently aware of 12 warranty claims potentially related to this case between January 01, 2020 and July 6, 2021 and no other field reports regarding this defect in the US. MBAG is not aware of any reported crashes or personal injury in connection with this issue.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealership, will inspect the front axle wiring harness on the affected vehicles and replace it, if necessary. After inspection a protective sleeve will be installed, if the wiring harness is not replaced.

Pursuant to 49 C.F.R. § 577.11(e), MBUSA plans to provide notice about pre-notice reimbursement to owners since some of the involved vehicles would have been previously subject to the condition described.

How Remedy Component Differs from Recalled Component : Front axle wiring harness will have the protective sleeve installed according to current specifications.

Remedy Parts:

A4635403412 - Electrical Wiring Harness
A4635403512 - Electrical Wiring Harness
A4635403612 - Electrical Wiring Harness
A4635403712 - Electrical Wiring Harness
A4635403812 - Electrical Wiring Harness
A4635403912 - Electrical Wiring Harness
A4635404012 - Electrical Wiring Harness
A0079975690 - Cable Strap
A0069898485 - Duct Tape
A1021590113 - Protective Tube

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 April 07, 2022 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on February 24, 2023. Owners were notified of the voluntary recall campaign on April 10, 2023. A copy of all communications will be provided when available.

Planned Dealer Notification Date : FEB 24, 2023 - NR

Planned Owner Notification Date : APR 10, 2023 - NR

* NR - Not Reported