

Part 573 Safety Recall Report

25V-254

Manufacturer Name : Mercedes-Benz USA, LLC

Submission Date : APR 17, 2025

NHTSA Recall No. : 25V-254

Manufacturer Recall No. : NR



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 : 6,247

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2025-2025 Mercedes Benz G 550

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes Benz G 550 3,070 vehicles. The recall population was determined through production records. Vehicles outside the recall population have software that corresponds to the correct regulatory requirements.

Production Dates : DEC 14, 2023 - JAN 28, 2025

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2025-2025 Mercedes Benz G 580

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : NR

Descriptive Information : Mercedes Benz G 580 1,507 vehicles. The recall population was determined through production records. Vehicles outside the recall population have software that corresponds to the correct regulatory requirements.

Production Dates : DEC 14, 2023 - JAN 28, 2025

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 : 2025-2025 Mercedes AMG G 63
Vehicle Type : LIGHT VEHICLES
Body Style : SUV
Power Train : GAS

Descriptive Information : Mercedes AMG G 63 1,670 vehicles. The recall population was determined through production records. Vehicles outside the recall population have software that corresponds to the correct regulatory requirements.

Production Dates : DEC 14, 2023 - JAN 28, 2025

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

Description of Noncompliance :

Description of the Noncompliance : Mercedes-Benz AG (“MBAG”), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year (“MY”) 2025 G-Class (465 platform) vehicles, warning telltales related to the ESP control unit might not meet the current regulatory requirements.

FMVSS 1 : 101 - Control and displays
FMVSS 2 : 126 - Electronic stability control systems

Description of the Safety Risk : In the event of an independent hardware failure of the ESP system, certain functions of the system (e.g. ESP, ABS, recuperation) would be deactivated. The driver would be made aware of the issue via warning telltales in the instrument cluster, however, the displayed warning telltales might not accurately represent the deactivated function. Furthermore, in the event of a deactivated recuperation system, the respective malfunction indicator lamp might not be activated as intended.

Consequently, certain requirements of FMVSS 101 and 126 might not be fulfilled.

Due to incorrect warning telltales in the instrument cluster, an increased risk of a crash cannot be ruled out.

Description of the Cause : Due to a deviation in a supplier's software development process, an incorrect assignment of the warning messages might have been implemented in the software of the ESP control unit.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : SW ESP

Component Description : SW ESP

Component Part Number : A4639022201

Component Name 2 : SW ESP

Component Description : SW ESP

Component Part Number : A4659020502

Component Name 3 : SW ESP

Component Description : SW ESP

Component Part Number : A4659020602

Component Name 4 : SW ESP

Component Description : SW ESP

Component Part Number : A4659024602

Component Name 5 : SW ESP

Component Description : SW ESP

Component Part Number : A4659025202

Component Name 6 : SW ESP

Component Description : SW ESP

Component Part Number : A4659027100

Component Name 7 : SW ESP

Component Description : SW ESP

Component Part Number : A4659027200

Component Name 8 : SW ESP

Component Description : SW ESP

Component Part Number : A4659028201

Supplier Identification :

Component Manufacturer

Name : Bosch Engineering GmbH

Address : Postfach 13 50

Heilbronn Foreign States 74003

Country : Germany

Chronology :

In October 2024, a supplier indicated a potential issue regarding the assignment of warning telltales within the ESP control unit software . Immediately, an internal analysis was initiated to assess potential technical implications.

In parallel, updated software to correct the issue was developed and introduced into production as an immediate measure in December 2024.

Through March 2025, further analysis was carried out in collaboration with the supplier to assess potential implications on the vehicles in the field. This included a thorough testing of the specific fault cases and the corresponding warning telltales displayed.

Furthermore, a detailed analysis of the relevant guidance to the driver in the operating instructions was performed based on the warning telltales. Additionally, a plant campaign was initiated to rework all vehicles still in possession of MBAG.

On April 11, 2025, MBAG determined that a potential non-conformity related to the faulty ESP control unit software could not be ruled out and decided to conduct a recall.

MBAG can confirm there are no warranty claims, field or service reports, and other information related to this defect in the US.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealer will update the ESP control unit software 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 : Vehicles outside the recall population have software that corresponds to the correct regulatory requirements

Remedy Part No: SW ESP A4659029702
SW ESP A4659029802

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 January 29, 2025, onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on April 24, 2025. Owners will be notified of the voluntary recall campaign before June 17, 2025. A copy of all communications will be provided when available.

Planned Dealer Notification Date : APR 24, 2025 - NR

Planned Owner Notification Date : JUN 17, 2025 - NR

* NR - Not Reported