



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V865

Manufacturer Name: Mercedes-Benz USA, LLC

Submission Date: Dec 12, 2025

NHTSA Recall No.: 25V865

Manufacturer Recall No.:

Manufacturer Information

Population

Manufacturer Name: Mercedes-Benz USA, LLC

Address: 13470 International
Parkway
Jacksonville FL, 32218

Total number of potentially involved: 117

Estimated percentage with defect: 100%

Vehicle Information

Vehicle 1: 2025-2025 MERCEDES-BENZ AMG E53E 4MATIC

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion: Hybrid Electric Vehicle

Production Dates: Feb 08, 2024 - Jan 30, 2025

Number of potentially involved: 117

Descriptive Information:

Mercedes-Benz MY25 AMG E 53e 4MATIC 117 vehicles. The recall population was determined through production records. Vehicles outside the recall population have a transmission wiring harness that is routed according to current production specifications.

Defect / Noncompliance Description

Description of the defect or noncompliance:

Mercedes-Benz AG ("MBAG"), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year ("MY") 2025 Mercedes-AMG E-Class (214 platform) vehicles with 4MATIC, the transmission wiring harness routing might not meet current production specifications.

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

In this case, the transmission wiring harness might chafe on the front drive shaft. This could damage

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the wiring harness, thereby potentially resulting in a loss of propulsion without warning which could increase the risk of a crash.

Description of the cause:

Due to a deviation in the development and production processes, the distance of the wiring harness to the drive shaft might not be sufficient.

Identification of any warning that can occur:

Before the issue occurs, the driver will not receive a warning due to the nature of the failure mechanism.

When the issue occurs, the driver would be made aware through a warning message in the instrument cluster.

Component Manufacturer

Tier of Supplier:**Supplier Type:****Name:** MBAG**Address:****Country:**

Involved Components

Component Name 1: ELECTRICAL WIRING HARNESS**Component Description:** ELECTRICAL WIRING HARNESS**Component Part Number:** A2145407130**Component Name 2:** ELECTRICAL WIRING HARNESS**Component Description:** ELECTRICAL WIRING HARNESS**Component Part Number:** A2145400831**Component Name 3:** ELECTRICAL WIRING HARNESS**Component Description:** ELECTRICAL WIRING HARNESS**Component Part Number:** A2145400931**Component Name 4:** ELECTRICAL WIRING HARNESS

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Component Description: ELECTRICAL WIRING HARNESS
Component Part Number: A2145409407

Component Name 5: ELECTRICAL WIRING HARNESS
Component Description: ELECTRICAL WIRING HARNESS
Component Part Number: A2145409507

Component Name 6: ELECTRICAL WIRING HARNESS
Component Description: ELECTRICAL WIRING HARNESS
Component Part Number: A2145407030

Chronology

At the end of 2024 through January 2025, MBAG launched an initial investigation in the production plant based on 3 individual field reports from outside the US market indicating transmission wiring harness damage. In February 2025, although analysis was still on-going, an additional 100% quality check was implemented on the production line to ensure correct routing of the wiring harness. Starting in March 2025, a plant campaign was initiated to check all vehicles still accessible to MBAG. In parallel with these actions, the field situation was evaluated closely, and no additional cases were identified.

From April 2025 to July 2025, further analysis on a potential root cause was performed, including a differentiation between AMG vehicles and non-AMG vehicles. These analyses concluded that this specific issue would only occur on AMG vehicles due to the different variant of the transmission wiring harness installed in these vehicles.

In August 2025, an investigation on the systematic occurrence of the issue in the field was performed which included additional tests on internal vehicles. In addition, driving tests on the occurrence over time were performed showing that the issue would only occur at a very low vehicle mileage and the placement of the harness during production is critical to the occurrence.

Based on these conclusions, further analysis became necessary to identify the potentially affected vehicles in the field. On December 05, 2025, 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.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type:

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Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

An authorized Mercedes-Benz dealer will check the transmission wiring harness routing on the affected vehicles and rework it, if necessary.

How remedy component differs from recalled component:

Vehicles outside the recall population have a transmission wiring harness that is routed according to current production specifications.

Identify how/when recall condition was corrected in production:

The introduction of an additional AMG specific quality control in production ensures that this issue can no longer occur from February 26, 2025 onwards.

Reimbursement Plan

Description of reimbursement program:

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.

Period of reimbursement:

Costs to be reimbursed:

Address for reimbursement claims:

Recall Schedule

Description of recall schedule:

Dealers will be notified of the pending voluntary recall campaign on December 19, 2025. Owners will be notified of the voluntary recall campaign before February 9, 2026. A copy of all communications will be provided when available.

Planned Dealer Notification Date: Dec 19, 2025

☐ No Dealers

Planned Interim Owner Notification Date:

☐ No Owners

Planned Remedy Owner Notification Date: Feb 09, 2026

☐ Phased Recall

Date when VIN will be searchable: Dec 19, 2025