

# Part 573 Safety Recall Report

# 24V-445

**Manufacturer Name :** Mercedes-Benz USA, LLC**Submission Date :** JUN 14, 2024**NHTSA Recall No. :** 24V-445**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 : 16,967

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2019-2021 Mercedes-Benz Mercedes-AMG CLS 53 4MATIC+

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz Mercedes-AMG 2019-2021 CLS 53 4MATIC+ 2,124 Vehicles. The recall population was determined through production records. Vehicles outside of the recall population have optimized routing of the transmission wiring harness and increased cable length according to current production specifications.

Production Dates : AUG 29, 2017 - APR 20, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2019-2023 Mercedes-Benz Mercedes-AMG E 53 4MATIC+ Sedan

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz Mercedes-AMG 2019-2023 E 53 4MATIC+ Sedan 4,308 Vehicles. The recall population was determined through production records. Vehicles outside of the recall population have optimized routing of the transmission wiring harness and increased cable length according to current production specifications.

Production Dates : AUG 29, 2017 - APR 20, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2019-2023 Mercedes-Benz Mercedes-AMG E 53 4MATIC+ Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz Mercedes-AMG 2019-2023 E 53 4MATIC+ Coupe 2,093 Vehicles. The recall population was determined through production records. Vehicles outside of the recall population have optimized routing of the transmission wiring harness and increased cable length according to current production specifications.

Production Dates : AUG 29, 2017 - APR 20, 2022

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

Vehicle 4 : 2019-2023 Mercedes-Benz Mercedes-AMG E 53 4MATIC+ Cabriolet

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz Mercedes-AMG 2019-2023 E 53 4MATIC+ Cabriolet 1,808 Vehicles. The recall population was determined through production records. Vehicles outside of the recall population have optimized routing of the transmission wiring harness and increased cable length according to current production specifications.

Production Dates : AUG 29, 2017 - APR 20, 2022

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

Vehicle 5 : 2021-2023 Mercedes-Benz Mercedes-AMG GT 43 4MATIC+

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz Mercedes-AMG 2021-2023 GT 43 4MATIC+ 2,204 Vehicles. The recall population was determined through production records. Vehicles outside of the recall population have optimized routing of the transmission wiring harness and increased cable length according to current production specifications.

Production Dates : AUG 29, 2017 - APR 20, 2022

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

Vehicle 6 : 2019-2023 Mercedes-Benz Mercedes-AMG GT 53 4MATIC+

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz Mercedes-AMG 2019-2023 GT 53 4MATIC+ 4,430 Vehicles. The recall population was determined through production records. Vehicles outside of the recall population have optimized routing of the transmission wiring harness and increased cable length according to current production specifications.

Production Dates : AUG 29, 2017 - APR 20, 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”) 2019-2023 E-Class (213 platform), E-Class Coupe/Cabriolet (238 platform), CLS (257 platform) and AMG GT 4-door (290 platform) AMG vehicles with 4MATIC+, the transmission wiring harness connection might not have been correctly remedied during a prior recall (22V533) repair.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In this case, water might enter the connector, over time, and result in a short circuit. The short circuit might lead to thermal overload of the connector when the vehicle is parked. Subsequently, the risk of fire cannot be ruled out.

Description of the Cause : During the previous recall repair, certain individual transmission wiring harnesses might not have been correctly inspected and/or reworked.

Identification of Any Warning that can Occur : Before a short circuit occurs, the driver might be alerted to the condition by illumination of the yellow battery indicator lamp and/or a “4MATIC malfunction” warning message in the instrument cluster.

## Involved Components :

Component Name 1 : ELECTRICAL WIRING HARNESS

Component Description : ELECTRICAL WIRING HARNESS

Component Part Number : A2135403269

Component Name 2 : ELECTRICAL WIRING HARNESS

Component Description : ELECTRICAL WIRING HARNESS

Component Part Number : A2135403969

Component Name 3 : ELECTRICAL WIRING HARNESS

Component Description : ELECTRICAL WIRING HARNESS

Component Part Number : A2385400517

Component Name 4 : ELECTRICAL WIRING HARNESS

Component Description : ELECTRICAL WIRING HARNESS

Component Part Number : A2385400717

Component Name 5 : ELECTRICAL WIRING HARNESS

Component Description : ELECTRICAL WIRING HARNESS

Component Part Number : A2905409106

Component Name 6 : ELECTRICAL WIRING HARNESS

Component Description : ELECTRICAL WIRING HARNESS

Component Part Number : A2905409914

Component Name 7 : BRACKET

Component Description : BRACKET

Component Part Number : A2905456900

## Supplier Identification :

### Component Manufacturer

Name : MBAG

Address : NR

NR

Country : NR

## Chronology :

In July 2022, MBAG issued a safety recall (22V-533) for certain E-Class (213 platform), E-Class Coupe/Cabriolet (238 platform), CLS (257 platform) and AMG GT 4-door (290 platform) AMG models in response to concerns that a misrouted wiring harness could potentially cause a short circuit. In August 2022, Mercedes-Benz launched the recall in the US and the rest of the world to address this issue.

In April 2023, MBAG learned of a single field report from outside the U.S. describing corrosion of the electrical connector of the transmission wiring harness in a vehicle on which the prior recall 22V-533 remedy had been completed. At that time, MBAG concluded that this was an isolated and anomalous event, as available data did not suggest that other vehicles might be affected.

Between April and September 2023, MBAG received two additional field reports of incidents from outside the U.S. alleging a thermal overload at the electrical connector of the transmission wiring harness in vehicles where the recall remedy had been completed.

Between September 2023 and early 2024, MBAG conducted detailed reviews of the available warranty data and recall repair documentation for vehicles that had been inspected (and if necessary, repaired) as part of the recall campaign. This investigation was conducted to determine whether there may have been errors or deviations in the execution of the recall remedy.

As part of this review, MBAG identified additional warranty cases alleging similar wiring harness connector corrosion in vehicles subject to the prior recall 22V-533, including some vehicles on which the recall remedy had been completed. MBAG's analyses of these claims and available repair data did not suggest a common cause leading to such corrosion in remedied vehicles. During that investigation, MBAG identified occasional deviations from the prescribed recall procedures and actions. See chronology supplement

## Description of Remedy :

**Description of Remedy Program :** As a precautionary measure, an authorized Mercedes-Benz dealer will replace the two-part wiring harness including the connector on the potentially affected vehicles with a new one-part variant.

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 :** Vehicles outside of the recall population have optimized routing of the transmission wiring harness and increased cable length according to current production specifications.

**Remedy Part No:**

ELECTRICAL WIRING HARNESS	A2905400216
LINE CONNECTOR	A0009829110
LINE CONNECTOR	A0009829210
FELT TAPE	A0029836413
BRACKET	A2905456900
BOLT	N910143006001

**Identify How/When Recall Condition was Corrected in Production :** The optimization of the routing of the transmission wiring harness and increased cable length ensures that this issue can no longer occur from April 21, 2022 onwards.

## Recall Schedule :

**Description of Recall Schedule :** Dealers will be notified of the pending voluntary recall campaign on June 24, 2024. Owners will be notified of the voluntary recall campaign before August 13, 2024.

A copy of all communications will be provided when available.

**Planned Dealer Notification Date :** JUN 24, 2024 - NR

Planned Owner Notification Date : AUG 13, 2024 - NR

\* NR - Not Reported