

Part 573 Safety Recall Report

24V-445

Manufacturer Name : Mercedes-Benz USA, LLC**Submission Date :** OCT 31, 2024**NHTSA Recall No. :** 24V-445**Manufacturer Recall No. :** 2024100002/3**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 : 22,422

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+ 2,128 Vehicles. The recall population was determined through production records. Vehicles outside of the recall population do not have the subject transmission wiring harness connector.

Production Dates : AUG 29, 2017 - OCT 03, 2024

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 5,128 Vehicles. The recall population was determined through production records. Vehicles outside of the recall population do not have the subject transmission wiring harness connector.

Production Dates : AUG 29, 2017 - OCT 03, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2019-2025 Mercedes-Benz Mercedes-AMG GT 53 4MATIC+

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz Mercedes-AMG 2019-2025 GT 53 4MATIC+ 6,725 Vehicles. The recall population was determined through production records. Vehicles outside of the recall population do not have the subject transmission wiring harness connector.

Production Dates : AUG 29, 2017 - OCT 03, 2024

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 2,244 Vehicles. The recall population was determined through production records. Vehicles outside of the recall population do not have the subject transmission wiring harness connector.

Production Dates : AUG 29, 2017 - OCT 03, 2024

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

Vehicle 5 : 2021-2024 Mercedes-Benz Mercedes-AMG GT 43 4MATIC+

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz Mercedes-AMG 2021-2024 GT 43 4MATIC+ 3,711 Vehicles. The recall population was determined through production records. Vehicles outside of the recall population do not have the subject transmission wiring harness connector.

Production Dates : AUG 29, 2017 - OCT 03, 2024

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

Vehicle 6 : 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 2,486 Vehicles. The recall population was determined through production records. Vehicles outside of the recall population do not have the subject transmission wiring harness connector.

Production Dates : AUG 29, 2017 - OCT 03, 2024

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”) 2019-2025 E-Class (213 platform), E-Class Coupe/Cabriolet (238 platform), CLS (257 platform) and AMG GT 4-door (290 platform) AMG vehicles equipped with 4MATIC+, the electrical connector of the transmission wiring harness might not withstand the environmental influences occurring at the installation location.

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 : Due to a deviation in the vehicle development process, the sealing of the transmission wiring harness connector might not be sufficient when subjected to temperature fluctuations during vehicle operation combined with dynamic water exposure.

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 updated 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 do not have the subject transmission wiring harness connector.

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 : A change in the production procedure ensures that this issue can no longer occur from October 4, 2024 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers were notified of the pending voluntary recall campaign on the initial population on June 24, 2024. Owners were notified of the voluntary recall campaign on the initial population with an interim letter on August 9, 2024. Dealers will be notified of the pending voluntary recall campaign on the amended population on October 25, 2024. All owners will be notified of the voluntary recall campaign launch on November 15, 2024. A copy of all communications will be provided when available.

Planned Dealer Notification Date : JUN 24, 2024 - NR
Planned Owner Notification Date : NOV 15, 2024 - NR

* NR - Not Reported