

Part 573 Safety Recall Report

24V-224

Manufacturer Name : Mercedes-Benz USA, LLC

Submission Date : MAY 03, 2024

NHTSA Recall No. : 24V-224

Manufacturer Recall No. : 2024040007



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 : 396

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2024-2024 Mercedes-Benz E 350 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2024 E 350 4MATIC 349 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have the transmission wiring harness routed according to current production specifications.

Production Dates : APR 27, 2023 - JAN 29, 2024

VIN Range 1 : Begin :

NR

End :

NR

☐ Not sequential

Vehicle 2 : 2024-2024 Mercedes-Benz E 450 4MATIC All-Terrain

Vehicle Type : LIGHT VEHICLES

Body Style : STATIONWAGON

Power Train : GAS

Descriptive Information : Mercedes-Benz 2024 E 450 4MATIC All-Terrain 1 vehicle. The recall population was determined through production records. Vehicles outside of the recall population have the transmission wiring harness routed according to current production specifications.

Production Dates : APR 27, 2023 - JAN 29, 2024

VIN Range 1 : Begin :

NR

End :

NR

☐ Not sequential

Vehicle 3 : 2024-2024 Mercedes-Benz E 450 4MATIC
Vehicle Type : LIGHT VEHICLES
Body Style : 4-DOOR
Power Train : GAS

Descriptive Information : Mercedes-Benz 2024 E 450 4MATIC 46 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have the transmission wiring harness routed according to current production specifications.

Production Dates : APR 27, 2023 -JAN 29, 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”) 2024 E-Class (214 platform) vehicles with 4-MATIC, the transmission wiring harness routing might not meet current production specifications.

FMVSS 1 : NR
FMVSS 2 : NR

Description of the Safety Risk : In this case, the transmission wiring harness could contact the front drive shaft and chafe over time. This could damage the wiring harness potentially resulting in a loss of vehicle propulsion without prior warning. This may increase the risk of a crash.

Description of the Cause : Due to a deviation in the development and production process, the transmission wiring harness might be routed too close to the drive shaft.

Identification of Any Warning that can Occur : The driver would not receive advance warning due to the nature of the failure mechanism. If the failure occurs, the driver might be made aware through a warning message in the instrument cluster (e.g. “Transmission Malfunction Stop”, “Drive Malfunction Stop Restart Vehicle”, “Drive Malfunction Stop Contact Dealer”, and “Service Required Do Not Change Transmission Position”).

Involved Components :

Component Name 1 : Electrical Wiring Harness
Component Description : Electrical Wiring Harness
Component Part Number : A2145409207

Component Name 2 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A2145409407

Supplier Identification :

Component Manufacturer

Name : MBAG

Address : NR

NR

Country : NR

Chronology :

In October 2023, MBAG launched initial investigations based on a finding on an internal vehicle during a standard quality control. This finding indicated a contact between the wiring harness and the drive shaft. Immediately, analyses on the root cause were started and further tests on internal vehicles were performed to verify the issue. In December 2023, an additional quality check in the assembly line was introduced to check for sufficient distance between wiring harness and drive shaft.

Starting in January 2024, possible consequences for the vehicles in the field were analyzed and relevant regulations were researched. Furthermore, a plant campaign was initiated to rework all vehicles still in the control of MBAG, and analyses were performed to identify the potentially affected vehicles in the field.

On March 15, 2024, 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.

Description of Remedy :

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

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 of the recall population have the transmission wiring harness routed according to current production specifications.

Remedy Part No:
Electrical Wiring Harness A2145409207
Electrical Wiring Harness A2145409407

Identify How/When Recall Condition was Corrected in Production : The introduction of an additional quality control in the production process ensures that this issue can no longer occur from February 26, 2024 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on March 29, 2024. Owners will be notified of the voluntary recall campaign before May 17, 2024. A copy of all communications will be provided when available.

Planned Dealer Notification Date : MAR 29, 2024 - NR

Planned Owner Notification Date : MAY 17, 2024 - NR

* NR - Not Reported