

Part 573 Safety Recall Report

24V-446

Manufacturer Name : Mercedes-Benz USA, LLC**Submission Date :** JUL 19, 2024**NHTSA Recall No. :** 24V-446**Manufacturer Recall No. :** 2024070005**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 : 1,058
Estimated percentage with defect : 100 %

Vehicle Information :**Vehicle 1 :** 2022-2023 Mercedes-Benz C 300**Vehicle Type :** LIGHT VEHICLES**Body Style :** 4-DOOR**Power Train :** GAS

Descriptive Information : Mercedes-Benz 2022-2023 C 300 1,058 Vehicles. The recall population was determined through production records. Vehicles outside of the recall population have a wire that is bolted to the pre-fuse box with the specified torque.

Production Dates : JUN 24, 2021 - AUG 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") 2022-2023 C-Class (206 platform) vehicles, a bolt securing an electrical wire to the pre-fuse box in the passenger-side footwell might not be tightened to current production specifications.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In this case, the electrical resistance of the connection might increase. Due to the high electrical currents potentially flowing through this connection, the temperature of the connection could increase. This might increase the risk of a fire. Additionally, a loss of propulsion without prior warning cannot be ruled out completely, potentially increasing the risk of a crash.

Description of the Cause : Due to a deviation in the vehicle production process, the bolted connection of a wiring harness to the pre-fuse box might not be tightened to the specified torque.

Identification of Any Warning : The driver will not receive a warning due to the nature of the failure

that can Occur : mechanism. When the issue occurs, the driver might notice a warning message in the instrument cluster.

Involved Components :

Component Name 1 : BOLTED CONNECTION

Component Description : BOLTED CONNECTION

Component Part Number : A0070035099

Supplier Identification :

Component Manufacturer

Name : MBAG

Address : NR

NR

Country : NR

Chronology :

In the course of 2022 MBAG received two individual and presumably unrelated field cases from outside the US. Both were related to a deviation on the tightening of an electrical connection in a pre-fuse box in the passenger compartment. However, neither the fault pattern was the same, nor were the external circumstances such as mileage, warning messages, etc. indicative of a common cause of defect or a common defect mechanism. Consequently, MBAG continued its field monitoring and throughout 2023, there was no additional case worldwide.

In February 2024, Mercedes-Benz AG identified an additional case outside the US, which showed similarities with the above-mentioned deviation. A subsequent detailed examination of this case identified that the vehicle in question had been subject to corrective measures targeting this specific tightening connection during its assembly process.

In April 2024, a comprehensive evaluation enabled the association of this corrective action with the two previously unattributable field incidents that also exhibited a torque deviation at the same tightening connection. The analyses showed that the vehicles had undergone rework on the screw connection of the pre-fuse box during production. Based on this determination, out of an abundance of caution, in May 2024, MBAG determined the potentially affected vehicles by reviewing the rework data from production.

On June 7, 2024, MBAG determined that a potential safety risk in the identified vehicle population cannot be ruled out and decided to conduct a recall.

MBAG can confirm there are no warranty claims, field or service reports related to this defect in the USA. MBAG is aware of no reports of property damage, fire, fatalities, or injury related to this defect in the US.

Description of Remedy :

Description of Remedy Program : As a precautionary measure, an authorized Mercedes-Benz dealership will check the connection of the wiring harness to the pre-fuse box 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 a wire that is bolted to the pre-fuse box with the specified torque.

Remedy Part No:

BOLTED CONNECTIONA0070035099

Identify How/When Recall Condition was Corrected in Production : A change in the production procedure ensures that this issue can no longer occur from August 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 on August 2, 2024. A copy of all communications will be provided when available.

Planned Dealer Notification Date : JUN 24, 2024 - NR

Planned Owner Notification Date : AUG 02, 2024 - NR

* NR - Not Reported