

Part 573 Safety Recall Report

22V-533

Manufacturer Name : Mercedes-Benz USA, LLC**Submission Date :** JUL 22, 2022**NHTSA Recall No. :** 22V-533**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 : 27,330

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2023 Mercedes-Benz GT43

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 2,059 vehicles. 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 : DEC 13, 2016 - APR 20, 2022

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2019-2021 Mercedes-Benz CLS53

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 2,120 vehicles. 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 : DEC 13, 2016 - APR 20, 2022

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 3 : 2021-2023 Mercedes-Benz E450 Cabriolet

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 882 vehicles. 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 : DEC 13, 2016 - APR 20, 2022

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 4 : 2021-2023 Mercedes-Benz E450 Wagon

Vehicle Type : LIGHT VEHICLES

Body Style : STATIONWAGON

Power Train : GAS

Descriptive Information : 1,707 vehicles. 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 : DEC 13, 2016 - APR 20, 2022

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 5 : 2019-2023 Mercedes-Benz E53 Cabriolet

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 1,798 vehicles. 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 : DEC 13, 2016 - APR 20, 2022

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 6 : 2019-2023 Mercedes-Benz E53

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 4,160 vehicles. 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 : DEC 13, 2016 - APR 20, 2022

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 7 : 2019-2023 Mercedes-Benz GT53

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 4,266 vehicles. 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 : DEC 13, 2016 - APR 20, 2022

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 8 : 2019-2023 Mercedes-Benz CLS450

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 4,246 vehicles. 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 : DEC 13, 2016 - APR 20, 2022

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 9 : 2021-2023 Mercedes-Benz E450 Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 959 vehicles. 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 : DEC 13, 2016 - APR 20, 2022

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 10 : 2019-2023 Mercedes-Benz E53 Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 2,072 vehicles. 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 : DEC 13, 2016 - APR 20, 2022

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 11 : 2021-2023 Mercedes-Benz E450

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 3,061 vehicles. 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 : DEC 13, 2016 - 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 E-Class (213 platform), E-Class Coupe/Cabriolet (238 platform), CLS (257 platform) and AMG GT 4-door (290 platform) 4Matic vehicles, the transmission wiring harness might not be routed according to specifications.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Tension on the transmission wiring harness could lead to wire insulation pulling back from the electrical connector. As a result, water from external sources could penetrate the connector. The presence of water may create a short circuit over time. As a result, the short circuit could lead to thermal overload if the vehicle's ignition is off for longer periods of time. Subsequently, the risk of fire cannot be ruled out.

Description of the Cause : Due to a routing deviation in the transmission wiring harness specifications during vehicle production, a tension on the harness might cause the wire insulation to be pulled back and as a result not fulfill sealing requirements into the electrical connector.

Identification of Any Warning that can Occur : Before a short circuit occurs, the driver could be alerted to the condition by illumination of the yellow battery (electrical charge) indicator lamp and/or the "4Matic malfunction" warning message in the instrument cluster.

Involved Components :

Component Name 1 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A2135403969

Component Name 2 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A2135404069

Component Name 3 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A2135401334

Component Name 4 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A2135403169

Component Name 5 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A2135404269

Component Name 6 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A2385400517

Component Name 7 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A2385400617

Component Name 8 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A2385400717

Component Name 9 : Electrical Wiring Harness

Component Description : Electrical Wiring Harness

Component Part Number : A2385400817

Supplier Identification :

Component Manufacturer

Name : Mercedes-Benz AG

Address : NR

Foreign States

Country : Germany

Chronology :

Please see "Chronology of Defect" Supplement.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealer will check the electrical connector on the affected vehicles and rework it, if necessary. In addition, the routing of the transmission wiring harness will be optimized with an additional bracket.

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 : Optimized routing of the transmission wiring harness and increased cable length according to current production specifications.

Remedy Parts:

A2905456900

N000000001114 (Bolt)

A0069973590 (Cable Tie)

A2135403269 (Electrical Wiring Harness)

A2905409914

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 July 29, 2022. Owners will be notified of the voluntary recall campaign on or before September 20, 2022. A copy of all communications will be provided when available.

Planned Dealer Notification Date : JUL 29, 2022 - NR

Planned Owner Notification Date : SEP 20, 2022 - NR

* NR - Not Reported