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

Part 573 Safety Recall Report 22V-533

Manufacturer Name : Mercedes-Benz USA, LLC
Submission Date : AUG 26, 2022
NHTSA Recall No. : 22V-533
Manufacturer Recall No. : NR

NHTSA
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

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 : 16,475
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2022 Mercedes-Benz GT43
Vehicle Type : LIGHT VEHICLES
Body Style : 4-DOOR
Power Train : GAS
Descriptive Information : 2,057 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 :	2019-2022 Mercedes-Benz E53 Cabriolet
Vehicle Type :	LIGHT VEHICLES
Body Style :	2-DOOR
Power Train :	GAS
Descriptive Information :	1,796 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 :	2019-2022 Mercedes-Benz GT53
Vehicle Type :	LIGHT VEHICLES
Body Style :	4-DOOR
Power Train :	GAS
Descriptive Information :	4,264 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 :	2019-2022 Mercedes-Benz E53 Coupe
Vehicle Type :	LIGHT VEHICLES
Body Style :	2-DOOR
Power Train :	GAS
Descriptive Information :	2,070 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 :	2019-2022 Mercedes-Benz E53
Vehicle Type :	LIGHT VEHICLES
Body Style :	4-DOOR
Power Train :	GAS
Descriptive Information :	4,158 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 "Amended Chronology of Defect Supplement" in the attachment section.

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