

Part 573 Safety Recall Report

21V-217

Manufacturer Name : Mercedes-Benz USA, LLC**Submission Date :** MAY 19, 2021**NHTSA Recall No. :** 21V-217**Manufacturer Recall No. :** 2021040013**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 : 493

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2021 Mercedes-Benz E63S AMG Wagon

Vehicle Type : LIGHT VEHICLES

Body Style : STATIONWAGON

Power Train : GAS

Descriptive Information : Mercedes-Benz MY18-21 E63S AMG Wagon 34 vehicles The recall population was determined through production records. Vehicles outside of the recall population have a positive cable from the power supply to the starter motor installed according to current production specifications

Production Dates : JAN 22, 2018 - NOV 27, 2020

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2019-2021 Mercedes-Benz AMG GT63S Four Door

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz MY19-21 AMG GT63S Four Door 174 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have a positive cable from the power supply to the starter motor installed according to current production specifications

Production Dates : JAN 22, 2018 - NOV 27, 2020

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 : 2019-2021 Mercedes-Benz AMG GT63 Four Door

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz MY2019-2021 AMG GT63 Four Door 140 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have a positive cable from the power supply to the starter motor installed according to current production specifications

Production Dates : JAN 22, 2018 - NOV 27, 2020

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 4 : 2018-2021 Mercedes-Benz E63S AMG

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz MY18-21 E63S 145 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have a positive cable from the power supply to the starter motor installed according to current production specifications

Production Dates : JAN 22, 2018 - NOV 27, 2020

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") 18-21 AMG E-Class (213 platform) and AMG GT 4-door Coupe (290 platform) vehicles with an AMG Gasoline-engine (M177) and 4MATIC all-wheel drive, the positive cable from the power supply to the starter motor might not have been installed according to current production specifications.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An incorrect screw connection at the starter motor could cause the harness from the power supply to the starter to contact the starter housing. As a result, the insulated wires of the power supply harness could experience chafing over time due to vehicle movement which could result in a short circuit.

Depending on the nature of the short circuit, different vehicle functions may be affected, and the vehicle could stall, which could increase the risk of a crash. In addition, a risk of a fire cannot be ruled out.

Description of the Cause : Due to a production deviation, the positive cable to the starter motor might not have been installed according to current production specification.

Identification of Any Warning : The customer will not receive an advance warning due to the nature of the that can Occur : failure mechanism.

Involved Components :

Component Name 1 : Starter Wiring Harness

Component Description : Starter Wiring Harness

Component Part Number : A2135400727

Supplier Identification :

Component Manufacturer

Name : Mercedes-Benz AG

Address : NR

Foreign States

Country : Germany

Chronology :

In October 2020, MBAG was made aware of a single isolated case of a vehicle outside of the US market where the customer reported smoke from the engine compartment. The initial analysis of the vehicle indicated an issue in or near the starter motor. During the investigation, it was also determined that this particular vehicle had been reworked during production

As a precautionary measure, in early November 2020, the rework processes on the positive cable at the starter were enhanced and the employees were trained. Further, the vehicles in the plant were inspected and reworked if necessary in the middle of November 2020.

During the ongoing analysis, in January 2021 MBAG's investigation could not rule out the possibility that the original field incident could have been related to the power supply connection. The investigation found that any vehicles that had been reworked at the plant where the rework involved the connection between the power supply and the starter prior to the enhanced instructions could be affected. On March 19, 2021, MBAG determined a potential safety risk could not be ruled out and decided to conduct a recall.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealer will check the screw connections at the starter and the position of the positive cable on the affected vehicles and correct them, 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 : None.

Identify How/When Recall Condition was Corrected in Production : A change in the production procedure in the production plant ensures that this issue can no longer occur from November 30, 2020 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on April 1, 2021. Owners will be notified of the voluntary recall campaign approximately one week after launch to the dealers on May 18, 2021. A copy of all communications will be provided when available.

Planned Dealer Notification Date : APR 01, 2021 - NR

Planned Owner Notification Date : MAY 18, 2021 - NR

* NR - Not Reported