

Part 573 Safety Recall Report

17V-818

Manufacturer Name : Mercedes-Benz USA, LLC.**Submission Date :** JAN 22, 2018**NHTSA Recall No. :** 17V-818**Manufacturer Recall No. :** 2017120014**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 : 8

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2018-2018 Mercedes-Benz AMT GT-S

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 190.378 YJ7J 2 Vehicles

The recall population was determined through production records. Vehicles not affected by the recall have the correct SW and proper seat cushion introduced in production.

Production Dates : OCT 25, 2016 - DEC 22, 2016

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2017-2017 Mercedes-Benz AMG GT

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 190.377 YJ7H 6 Vehicles

The recall population was determined through production records. Vehicles not affected by the recall have the correct SW and proper seat cushion introduced in production.

Production Dates : OCT 25, 2016 - DEC 22, 2016

VIN Range 1 : Begin : NR End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Daimler AG, the manufacturer of Mercedes-Benz vehicles, has determined that on certain AMG GT vehicles (190 platform) with AMG Performance Seats the passenger seat occupant classification system might not function as specified.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event a child seat is fastened to the passenger seat, the potential exists for a person or a small person to be incorrectly classified. Therefore, depending on whether a mounted child seat or a person is sitting in the passenger seat, the passenger airbag could be incorrectly activated or deactivated.

Both cases would increase the risk of injuries to the passenger in the event of a crash with a potential incorrect airbag deployment or non-deployment.

Description of the Cause : Due to the design of the AMG performance seat geometry regarding the interaction between the seat cover and the seat occupancy detection or an incorrect coding of the seat occupancy detection software the occupant classification system of the passenger side seat might not function as specified.

Identification of Any Warning that can Occur : The customer will be made aware of an activated or deactivated passenger airbag by the respective status of the PASSENGER-AIRBAG ON/OFF lamp. In the event of a reclassification of the passenger seat occupancy while driving, an additional instrument cluster warning message regarding the airbag status change is displayed.

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

In August 2016, DAG initiated investigations based on findings during internal validation tests reporting the subject condition outlined above. These investigations found design issues with the seat cushion.

In September 2016, DAG began additional analyses. First results indicated a possible influence of the design of the geometry between the seat cover and the seat occupancy detection. Tests were initiated on modified seat cushions which verified the assumption of an influence of the design of the geometry between the seat cover and the seat occupancy detection.

In October 2016, a new design of the seat cushion was developed and tested. As the test results did not show the subject condition outlined above, the updated design of the seat cushion was introduced in vehicle production in late November 2016.

In December 2016, further testing of the seat occupancy detection system indicated an additional issue with the software.

In January 2017, an updated software of the seat occupancy detection was developed. The updated software version was introduced in vehicle production in February 2017. The already-produced vehicles were reworked in vehicle production or the vehicle preparation center prior to sale.

In October 2017, routine monitoring indicated not all vehicles were reworked in the plant action as expected.

The range of potentially affected vehicles in the field was determined in November, 2017. In the beginning of December 2017, DAG determined that a potential safety risk cannot be ruled out.

Description of Remedy :

Description of Remedy Program : As a precautionary measure an authorized Mercedes-Benz dealer will update the occupant classification system software on the affected vehicles and if necessary, exchange the passenger seat cushion. Pursuant to 49 C.F.R. § 577.11 (e), MBUSA does not plan to provide notice about pre-notice reimbursement to owners since all involved vehicles remain covered under the new vehicle warranty.

How Remedy Component Differs from Recalled Component : New seat cushion design and modified occupant classification system software .

Identify How/When Recall Condition was Corrected in Production : A change in the passenger seat cushion design and a software change of the occupant classification system ensures that this issue can no longer occur from March 15, 2017 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign in January 2018. A copy of all communications will be provided when available. Owners will be notified with an interim letter in January and again when parts are available in February 2018, approximately one week after recall launch to the dealers.

Planned Dealer Notification Date : JAN 12, 2018 - NR

Planned Owner Notification Date : JAN 26, 2018 - NR

* NR - Not Reported