

Part 573 Safety Recall Report

18V-407

Manufacturer Name : Mercedes-Benz USA, LLC.

Submission Date : AUG 30, 2018

NHTSA Recall No. : 18V-407

Manufacturer Recall No. : 2018080001



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 : 1,701

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2018-2018 Mercedes-Benz MERCEDES-MAYBACH S560 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222.986 UX8G 21 Vehicles

The recall population was determined through production records.

Production Dates : SEP 05, 2017 - DEC 14, 2017

VIN Range 1 : Begin : NR **End :** NR

Not sequential

Vehicle 2 : 2018-2018 Mercedes-Benz MERCEDES-MAYBACH S650

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222.980 UX8A 17 Vehicles

The recall population was determined through production records.

Production Dates : SEP 05, 2017 - DEC 14, 2017

VIN Range 1 : Begin : NR **End :** NR

Not sequential

Vehicle 3 : 2018-2018 Mercedes-Benz S450

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222.164 UG6E 238 Vehicles

The recall population was determined through production records.

Production Dates : SEP 05, 2017 - DEC 14, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 4 : 2018-2018 Mercedes-Benz S450 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222.166 UG6G 444 Vehicles

The recall population was determined through production records.

Production Dates : SEP 05, 2017 - DEC 14, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 5 : 2018-2018 Mercedes-Benz S560

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222.183 UG8D 525 Vehicles

The recall population was determined through production records.

Production Dates : SEP 05, 2017 - DEC 14, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 6 : 2018-2018 Mercedes-Benz S560 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222.186 UG8G 448 Vehicles

The recall population was determined through production records.

Production Dates : SEP 05, 2017 - DEC 14, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 7 : 2018-2018 Mercedes-Benz S560 Coupe 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 217.386 XJ8G 8 Vehicles

The recall population was determined through production records.

Production Dates : SEP 05, 2017 - DEC 14, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Description of Defect :

Description of the Defect : Daimler AG, (“DAG”) the manufacturer of Mercedes-Benz vehicles, has determined that on certain S-Class and S-Class Coupe vehicles (222, 217 platform) two nuts, securing the power bars inside the pre-fuse-box in the trunk, might not have been installed during the production process.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the power bars inside the pre-fuse box are not secure, this could lead to higher electrical resistance between the power bars, increasing the risk of fire.
Additionally, an intermittent contact between the power bars could lead to a loss of vehicle functions. The engine operation, the seat belt functions and the instrument cluster could be impaired, increasing the risk of a crash and injuries.

Description of the Cause : Due to a production deviation at a supplier, two nuts might not have been installed on certain pre-fuse boxes in the trunk.

Identification of Any Warning that can Occur : In the event of loss of impairment of the vehicles functions described above, the customer would be made aware of the issue by warning messages in the instrument cluster

Supplier Identification :**Component Manufacturer**

Name : LEONI Bordnetz-Systeme GmbH Business Uni

Address : 74 Flugplatzstraße
Kitzingen FOREIGN STATES 97318

Country : Germany

Chronology :

In October 2017, DAG launched initial investigations based on an individual field report from outside the US describing problems with starting the engine. Parts of the affected vehicle were requested for further analysis with the supplier.

In November 2017, the supplier determined that, in the analyzed case, two nuts within the pre-fuse box were not installed.

In December 2017, further analyses were jointly undertaken with the supplier to identify a possible root cause was launched.

In the beginning of 2018, a problem within the torque station was identified as a root cause.

Further investigations were performed to check potential effects of missing nuts within the pre-fuse box and additionally software changes of the torque station were reviewed.

In March 2018, a software change in August 2017 was identified as the source. The potentially affected pre-

fuse boxes were identified by the supplier.

In April 2018, DAG and the supplier reviewed logistics documents to determine the wiring harness where these pre-fuse boxes were installed.

In May 2018, further analyses were undertaken to identify potentially affected vehicles.

In June 2018, DAG determined that a potential safety risk could not be ruled out.

Description of Remedy :

Description of Remedy Program : As a precautionary measure an authorized Mercedes-Benz dealer will check the pre-fuse-box on the affected vehicles and replace 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 all involved vehicles remain covered under the new vehicle warranty.

How Remedy Component Differs from Recalled Component : Pre-Fuse box with power bar securing nuts.

Identify How/When Recall Condition was Corrected in Production : A change in the production procedure of our supplier ensures that this issue can no longer occur from August 02, 2018 onwards

Recall Schedule :

Description of Recall Schedule : Owners will be notified in August 2018, approximately one week after recall launch to the dealers. Dealers will be notified of the pending voluntary recall campaign in August 2018. A copy of all communications will be provided when available.

Planned Dealer Notification Date : AUG 03, 2018 - NR

Planned Owner Notification Date : AUG 30, 2018 - NR

* NR - Not Reported