

Part 573 Safety Recall Report

17V-714

Manufacturer Name : Mercedes-Benz USA, LLC.

Submission Date : JAN 03, 2018

NHTSA Recall No. : 17V-714

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 : 72

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2017 Mercedes-Benz E 300

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 213.048 ZF4J 10 Vehicles

The recall population was determined based on production records. Vehicles not recalled have transistor brackets within manufacturing specifications

Production Dates : JUL 29, 2016 - FEB 14, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2017-2017 Mercedes-Benz S 65 AMG Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 217.379 XJ7K 1 Vehicles The recall population was determined based on production records. Vehicles not recalled have transistor brackets within manufacturing specifications

Production Dates : JUL 29, 2016 - FEB 14, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 : 2017-2017 Mercedes-Benz Mercedes-Maybach S 600

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222.976 UX7G 2 Vehicles The recall population was determined based on production records. Vehicles not recalled have transistor brackets within manufacturing specifications

Production Dates : JUL 29, 2016 -FEB 14, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 4 : 2017-2017 Mercedes-Benz S 550

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 222.182 UG8C 44 Vehicles The recall population was determined based on production records. Vehicles not recalled have transistor brackets within manufacturing specifications

Production Dates : JUL 29, 2016 -FEB 14, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 5 : 2017-2017 Mercedes-Benz S 65 AMG Cabriolet

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 217.479 XK7K 1 Vehicles The recall population was determined based on production records. Vehicles not recalled have transistor brackets within manufacturing specifications

Production Dates : JUL 29, 2016 -FEB 14, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 6 : 2017-2017 Mercedes-Benz S 550 Cabriolet

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 217.482 XK8C 9 Vehicles The recall population was determined based on production records. Vehicles not recalled have transistor brackets within manufacturing specifications

Production Dates : JUL 29, 2016 -FEB 14, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 7 : 2017-2017 Mercedes-Benz S 550e

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : 222.163 UG6D 3 Vehicles The recall population was determined based on production records. Vehicles not recalled have transistor brackets within manufacturing specifications

Production Dates : JUL 29, 2016 -FEB 14, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 8 : 2017-2017 Mercedes-Benz S 65 AMG

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222.179 UG7K 2 Vehicles The recall population was determined based on production records. Vehicles not recalled have transistor brackets within manufacturing specifications

Production Dates : JUL 29, 2016 - FEB 14, 2017

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 E-Class (213 platform) and S-Class (217/222 platform) vehicles a bracket for a transistor in the power steering control unit may have been manufactured outside specifications. The bracket durability may be affected and it might subsequently break due to vibrations and temperature variations during vehicle operation. In such an event, the cooling of the transistor would be impaired.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The internal temperature monitoring of the power steering control unit would recognize impaired cooling of the transistor in the event of high temperatures, and would disable the power steering assist. Depending on the traffic situation, this might increase the risk of a crash.

Description of the Cause : Due to a supplier process deviation, the brackets in certain power steering control units might not meet the durability requirements.

Identification of Any Warning NR
that can Occur :

Supplier Identification :

Component Manufacturer

Name : ThyssenKrupp PrestaAG

Address : 10 Essanestrasse

Eschen FOREIGN STATES 9294

Country : Liechtenstein

Chronology :

In the end of November 2016, two power steering control units with broken brackets were identified during the assembly at the supplier.

In December 2016, DAG was informed of this occurrence by the supplier. Subsequently, initial investigations into the issue were initiated to evaluate the root cause and to identify the potentially affected steering racks.

In January 2017, the investigations identified supplier process deviations of the brackets. Those deviations were subsequently rectified.

Between February and August 2017, various climate and shaker tests were conducted on potentially affected brackets as well as steering control units. These tests included long-term testing and were conducted to identify the possibility of occurrence and potential consequences of a broken bracket on the function of the control unit and steering.

Furthermore, between June and October 2017, spare part storage facilities were checked for potentially affected steering racks. Steering rack replacements in the markets were analyzed as well to identify additional potentially affected vehicles.

Ultimately, this resulted in final determination of potentially affected vehicles.

In November 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 check the steering rack 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 : Brackets were manufactured according to specifications.

Identify How/When Recall Condition was Corrected in Production : A change in the production procedure of the supplier ensures that this issue can no longer occur from April 27, 2017 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the voluntary recall campaign in January 5 2018. A copy of all communications will be provided when available. Owners will be notified in January 12 2018, and/or approximately one week after recall launch to the dealers

Planned Dealer Notification Date : JAN 05, 2018 - NR

Planned Owner Notification Date : JAN 12, 2018 - NR

* NR - Not Reported