

Part 573 Safety Recall Report

18V-910

Manufacturer Name : Mercedes-Benz USA, LLC.

Submission Date : APR 19, 2019

NHTSA Recall No. : 18V-910

Manufacturer Recall No. : 2019040024



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 : 6,200

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2019 Mercedes Benz S450 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222.164 UG6E 1643 Vehicles

The recall population was determined through production records. Unaffected vehicles have the correct software installed.

Production Dates : FEB 07, 2017 - AUG 03, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 2 : 2018-2018 Mercedes Benz S560 4MATIC Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 217.386 XJ8G 388 Vehicles

The recall population was determined through production records. Unaffected vehicles have the correct software installed.

Production Dates : FEB 07, 2017 - AUG 03, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2018-2018 Mercedes Benz S63 AMG 4MATIC Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 217.388 XJ8J 133 Vehicles

The recall population was determined through production records. Unaffected

vehicles have the correct software installed.

Production Dates : FEB 07, 2017 - AUG 03, 2018

VIN Range 1 : Begin : NR End : NR

Not sequential

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

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222.986 UX8G 258 Vehicles

The recall population was determined through production records. Unaffected vehicles have the correct software installed.

Production Dates : FEB 07, 2017 - AUG 03, 2018

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 5 : 2018-2019 Mercedes Benz S560 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222.186 UG8G 3030 Vehicles

The recall population was determined through production records. Unaffected vehicles have the correct software installed.

Production Dates : FEB 07, 2017 - AUG 03, 2018

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 6 : 2018-2019 Mercedes Benz S63 AMG

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222.188 UG8J 688 Vehicles

The recall population was determined through production records. Unaffected vehicles have the correct software installed.

Production Dates : FEB 07, 2017 - AUG 03, 2018

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 7 : 2018-2018 Mercedes Benz S63 AMG 4MATIC Cabrio

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 217.488 XK8J 60 Vehicles

The recall population was determined through production records. Unaffected

vehicles have the correct software installed.

Production Dates : FEB 07, 2017 - AUG 03, 2018

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 certain Model Year 2018 (“MY”) S-Class vehicles (217, 222 platform, facelift) might not meet production specifications. When the Active Steering Assist is active, the Hands-off-Detection (“HoD”) function monitors whether and how long the driver takes the hands off the steering wheel. This monitoring is performed by measurement of internal torque values of the steering system. In case of the identified malfunction, the Active Steering Assist could remain active permanently despite the driver leaving his hands off the steering wheel over a longer period of time.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In such case, the defined subsequent warnings, including the ultimate system reaction of bringing the vehicle to a complete stop, might not be triggered as intended, which would increase the risk of a crash.

The Active Distance Assist DISTRONIC and the Active Steering Assist as well as all further functions of the advanced driver assistance systems would continue to work without restrictions if the HoD did not function as intended.

Description of the Cause : Due to a software defect caused by a supplier, the Hands-off-Detection function might not meet specifications.

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : Robert Bosch Automotive Steering GmbH

Address : Richard-Bullinger-Str. 77

Schwäbisch Gmünd FOREIGN STATES 73527

Country : Germany

Chronology :

In April 2018, DAG identified two vehicles that showed no deactivation of the Active Steering Assist after the driver took his hands permanently off the steering wheel during internal testing. Based on these incidents, DAG

launched initial investigations for analysis.

These investigations determined that the installation of the steering boot on these particular vehicles had not been done according to specification. However, even after correction of the installation position, one of these two vehicles still showed the above described symptom.

Subsequently, further analyses were initiated together with the supplier.

In mid-2018, these analyses revealed that, due to incorrect steering control unit software parameters, the Active Steering Assist feature might not reliably detect the removal of the driver's hands from the steering wheel.

In August 2018, the supplier determined the range of potentially affected vehicles.

In October 2018, the range of potentially affected vehicles was determined based on the information received from the supplier (e.g. delivery notes) and on production records.

In December 2018, DAG determined that a potential safety risk cannot be excluded.

Description of Remedy :

Description of Remedy Program : As a precautionary measure an authorized Mercedes-Benz dealer will update the software of the steering control unit.

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 : Software of the steering control unit which meets the specifications.

Identify How/When Recall Condition was Corrected in Production : An updated software version ensures that this issue can no longer occur from September 12, 2018 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign in January 2019. Owners were notified with an interim letter in February 2019, and will be notified again in May 2019 approximately two weeks after the recall launch to dealers. A copy of all communications will be provided when available.

Planned Dealer Notification Date : JAN 04, 2019 - NR

Planned Owner Notification Date : FEB 14, 2019 - NR

* NR - Not Reported