

# Part 573 Safety Recall Report

# 18V-908

**Manufacturer Name :** Mercedes-Benz USA, LLC.**Submission Date :** JAN 03, 2019**NHTSA Recall No. :** 18V-908**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 : 5,754

Estimated percentage with defect : 2 %

**Vehicle Information :**

Vehicle 1 : 2018-2018 Mercedes-Benz S560 4MATIC Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 217.386 XJ8G 323 vehicles.

The recall population was determined through production records.  
Unaffected vehicles have correctly installed steering boots.

Production Dates : FEB 07, 2017 - MAY 17, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2018-2018 Mercedes-Benz AMG S63 4MATIC Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 217.388 XJ8J 112 vehicles.

The recall population was determined through production records.  
Unaffected vehicles have correctly installed steering boots.

Production Dates : FEB 07, 2017 - MAY 17, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

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

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : 217.488 XK8J 43 vehicles.

**Descriptive Information :**

The recall population was determined through production records.  
Unaffected vehicles have correctly installed steering boots.

Production Dates : FEB 07, 2017 - MAY 17, 2018

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 : 222.164 UG6E 1600 vehicles.

The recall population was determined through production records.  
Unaffected vehicles have correctly installed steering boots.

Production Dates : FEB 07, 2017 - MAY 17, 2018

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 5 : 2018-2018 Mercedes-Benz S560 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222.186 UG8G 2818 vehicles.

The recall population was determined through production records.  
Unaffected vehicles have correctly installed steering boots.

Production Dates : FEB 02, 2017 - MAY 17, 2018

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 6 : 2018-2018 Mercedes-Benz AMG S63 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222.188 UG8J 626 vehicles.

The recall population was determined through production records.  
Unaffected vehicles have correctly installed steering boots.

Production Dates : FEB 07, 2017 - MAY 17, 2018

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 7 : 2018-2018 Mercedes-Maybach S560 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222,986 UX8G 232 vehicles.

The recall population was determined through production records.  
Unaffected vehicles have correctly installed steering boots.

Production Dates : FEB 07, 2017 - MAY 17, 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 Coupe and S-Class vehicles (217 and 222 platforms) might not meet production specifications. When 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, 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.

Active Distance Assist DISTRONIC and 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 deviation in the assembly process in the production plant, the steering boot may not have been installed according to current production specifications.

Identification of Any Warning that can Occur : The driver may be made aware of the issue by the absence of defined warnings if the driver's hands were removed from the steering wheel for more than 10 seconds.

## Supplier Identification :

### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

## Chronology :

In April 2018, DAG identified two vehicles that showed no deactivation of 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 ruled out

## Description of Remedy :

**Description of Remedy Program :** As a precautionary measure, an authorized Mercedes-Benz dealer, will check the position of the steering boot and correct 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 Limited Warranty.

**How Remedy Component Differs from Recalled Component :** Correct installation position of the steering boots.

**Identify How/When Recall Condition was Corrected in Production :** A change in the assembly process in the production plant ensures that this issue can no longer occur from July 10, 2018 onwards.

## Recall Schedule :

**Description of Recall Schedule :** Dealers will be notified of the voluntary recall campaign in January 2019. A copy of all communications will be provided when available.

Owners will be notified with a letter in February 2019, approximately one week after recall launch to the dealers.

**Planned Dealer Notification Date :** JAN 04, 2019 - NR

**Planned Owner Notification Date :** FEB 15, 2019 - NR

\* NR - Not Reported