

# Part 573 Safety Recall Report

# 22V-124

**Manufacturer Name :** Mercedes-Benz USA, LLC

**Submission Date :** MAR 29, 2022

**NHTSA Recall No. :** 22V-124

**Manufacturer Recall No. :** 2022030019



## Manufacturer Information :

## Population :

**Manufacturer Name :** Mercedes-Benz USA, LLC

**Number of potentially involved :** 14

**Address :** 13470 International Parkway

**Estimated percentage with defect :** 100 %

Jacksonville FL 32218

**Company phone :** 1-877-496-3691

## Vehicle Information :

**Vehicle 1 :** 2021-2021 Mercedes-Benz S580 4Matic

**Vehicle Type :** LIGHT VEHICLES

**Body Style :** 4-DOOR

**Power Train :** GAS

**Descriptive Information :** Mercedes-Benz 2021 S580 4Matic 14 Vehicles The recall population was determined through production records. Vehicles outside of the recall population have grounding connections bolted according to current production specifications.

**Production Dates :** DEC 02, 2020 - FEB 19, 2021

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

## Description of Defect :

**Description of the Defect :** Mercedes-Benz AG ("MBAG"), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year ("MY") 2021 S-Class (223 platform) vehicles, the airbag control unit fastening nuts might not have been installed according to current production specifications.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** If the airbag control unit fastening nuts are not torqued according to current production specifications, the airbag control unit might detect incorrect acceleration values while driving. As a result, the restraint systems may deploy unintentionally in the vehicle.

In addition, in the event of a crash, the restraint systems might not be activated as specified, due to incorrectly detected acceleration values.

Depending on the scenario, the risk of a crash or injury could be increased.

**Description of the Cause :** Due to a deviation in the assembly process, the airbag control unit fastening nut torque might not meet current production specifications.

Identification of Any Warning : The driver will not receive a warning due to the nature of the failure that can Occur : mechanism.

## Involved Components :

Component Name 1 : Flange Nut

Component Description : Flange Nut

Component Part Number : A0049906250

## Supplier Identification :

### Component Manufacturer

Name : MBAG

Address : NR

Foreign States

Country : Germany

## Chronology :

In February 2021, MBAG launched initial investigations based on a standard review of fastening parameters in the assembly plant. This review indicated parameters not according to specifications were used to fasten the airbag control unit to the vehicle body. The parameters for assembly were immediately replaced with the correct parameters.

Starting in March 2021, the documentation of the respective fastening nuts were analyzed in detail and compared to the correct parameters. Furthermore, a plant action was implemented to rework all potentially affected vehicles still accessible to MBAG.

In parallel, a close monitoring of vehicles in the field was implemented to detect any irregularities in this context. In the course of this monitoring, no cases in the field were detected worldwide.

Starting in September 2021, possible consequences for vehicles in the field as well as relevant regulations were analyzed. Based on the fastening nut torque documentation, an extensive verification of the affected range of vehicles was performed.

On February 25, 2022, MBAG determined that a potential safety risk cannot be ruled out and decided to conduct a recall.

**Description of Remedy :**

Description of Remedy Program : An authorized Mercedes-Benz dealer will check the airbag control unit fastening nut torque on the affected vehicles 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 none of the involved vehicles would have been previously subject to the condition described and all remain covered under the new vehicle warranty.

How Remedy Component Differs from Recalled Component : Airbag control unit fastening nuts torqued to current production specification.  
Flange Nut A0049906250

Identify How/When Recall Condition was Corrected in Production : A change in the assembly process ensures that this issue can no longer occur from March 22, 2021 onwards.

**Recall Schedule :**

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on March 11, 2022. Owners will be notified of the voluntary recall campaign on April 8, 2022.

A copy of all communications will be provided when available.

Planned Dealer Notification Date : MAR 11, 2022 - NR

Planned Owner Notification Date : APR 08, 2022 - NR

\* NR - Not Reported