

Part 573 Safety Recall Report

21V-704

Manufacturer Name : Mercedes-Benz USA, LLC**Submission Date :** OCT 20, 2021**NHTSA Recall No. :** 21V-704**Manufacturer Recall No. :** 2021090012**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 : 7

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2021 Mercedes-Benz S 580

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2021 S 580 7 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have fuel tanks with jet pumps produced according to current production specifications.

Production Dates : JUN 10, 2021 - JUL 22, 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, a nozzle in the suction jet pump in the fuel tank might not have been installed, or properly secured within the pump according to current production specifications.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A missing nozzle would lead to an early failure at the production plant. If the nozzle was not properly secured within the pump according to current production specifications, the nozzle could detach within the suction jet pump. As a result, the pump might not be able to supply the fuel pressure necessary for certain driving scenarios (e.g. reduced fuel level, full throttle operation), and could lead to a sudden engine stall without warning, which could increase the risk of a crash.

Description of the Cause : Due to employee error at a supplier, a certain batch of suction jet pumps might

Identification of Any Warning that can Occur : be missing a nozzle, or the nozzle might not have been secured according to current production specifications.
The customer will not receive a warning due to the nature of the failure mechanism.

Involved Components :

Component Name 1 : Fuel Tank
Component Description : Fuel Tank
Component Part Number : 2234700300

Component Name 2 : Fuel Tank
Component Description : Fuel Tank
Component Part Number : A2234700400

Component Name 3 : Fuel Tank
Component Description : Fuel Tank
Component Part Number : A2234700500

Component Name 4 : Fuel Tank
Component Description : Fuel Tank
Component Part Number : A2234701900

Component Name 5 : Fuel Tank
Component Description : Fuel Tank
Component Part Number : A2234709801

Supplier Identification :

Component Manufacturer

Name : Magna Energy Storage Systems GesmbH

Address : Tesma Allee 1
Sinabelkirchen Foreign States 8261
Country : Austria

Chronology :

In late July 2021, MBAG experienced a vehicle stall in one of its factories during end-of-line testing. The subsequent investigation revealed that despite the vehicle being fueled according to specification, the fuel pump was not able to provide the necessary fuel pressure.

In August 2021, further analysis at the supplier determined that certain isolated fuel pumps might not have been manufactured according to specification, resulting in a potentially sudden loss of propulsion without warning to the driver.

On September 3, 2021, MBAG determined that a potential safety risk cannot be ruled out and decided to conduct a recall on the potentially affected vehicles.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealer will check the fuel system on the affected vehicles and replace the fuel tank including the suction jet pump, 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 : Fuel tank including a suction jet pump produced according to current production specifications.

Fuel Tank	A2234700300
Fuel Tank	A2234700400
Fuel Tank	A2234700500
Fuel Tank	A2234701900
Fuel Tank	A2234709801

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 September 3, 2021 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on September 17, 2021. Owners will be notified of the voluntary recall

campaign on October 26, 2021. A copy of all communications will be provided when available.

Planned Dealer Notification Date : SEP 17, 2021 - NR

Planned Owner Notification Date : OCT 26, 2021 - NR

* NR - Not Reported