

**Part 573 Safety Recall Report****15V-647****Manufacturer Name :** Mercedes-Benz USA, LLC.**Submission Date :** OCT 09,2015**NHTSA Recall No. :** 15V-647**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Mercedes-Benz USA, LLC.

Address : One Mercedes Dr, PO Box 350  
Montvale NJ 07645-0350

Company phone : 201-573-5339

**Population :**

Number of potentially involved : 4

Estimated percentage with defect : 1

**Vehicle Information :**

Vehicle : 2015-2015 Mercedes-Benz S550 Hybrid (222 platform)

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : 222.163

Production Dates : MAY 13, 2013 - APR 22, 2015

**VIN (Vehicle Identification Number) Range**

Begin : WDDUG6DB7FA104408

End : WDDUG6DB6FA183327

 Not sequential VINs**Description of Defect :**

Description of the Defect : DAG has determined that on certain S-Class Hybrid vehicles (222 platform) produced between February 2013 and April 2015, the synchronization between the Fuel Pump and the Fuel System Control Unit (FSCU) might be compromised after driving in the electric mode. As a consequence, the fuel pressure becomes too low and the combustion engine is unable to restart. This situation would be recognized by the Engine Control Unit (ECU) and the respective Diagnostic Trouble Code would be stored. In this event, the electric motor is also no longer available. Thus, the power loss would result in a stall of the vehicle. After restarting the vehicle, the complete system power is available again.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : As a result of the power loss, a vehicle stall cannot be excluded, increasing the risk of injury in the event of a crash.

Description of the Cause : An issue in the Fuel System Control Unit (FSCU) software might lead to a loss of synchronization between the fuel pump and the FSCU.

Identification of Any Warning that can Occur : NR

**Supplier Identification :****Component Manufacturer**

Name : NR

Address : NR

NR

Country : NR

**Chronology :**

In September 2014, DAG launched initial investigations based on individual field reports on S 400 Hybrid (S550 Hybrid predecessor) vehicles describing instances in which customers allegedly experienced the subject condition. No third party damages or personal injuries were reported. As these single cases only occurred in specific markets outside the US, customer vehicles in these markets were equipped with data loggers for a certain period of time. The first results lead to a development of new software which was determined to be an efficient remedy. However, the failure occurred again in the specific country. After further detailed investigations, DAG determined that the synchronization between fuel pump and FSCU was compromised where the root cause was an issue in the FSCU software. An updated version of the software was introduced in series production in April 2015. Due to the very low occurrence rate only in specific markets, DAG continued observing the product in the field. After receiving additional field cases through August 2015, further analyses commenced to identify all potentially affected vehicles. In October 2015, DAG decided that a safety defect exists in the potentially affected vehicle population and decided to recall the vehicles.

**Description of Remedy :**

Description of Remedy Program : An authorized Mercedes-Benz Dealer will update the Fuel System Control Unit software on the affected vehicles. MBUSA does not plan to provide notice about pre-notice reimbursement to owners because all involved vehicles from model year 2015 remain covered under the new vehicle warranty.

How Remedy Component Differs from Recalled Component : A new version of the FSCU software will be installed.

Identify How/When Recall Condition was Corrected in Production : A modification in the software has ensured that this complaint can no longer occur in S-Class vehicles produced starting April 23, 2015 onwards.

**Recall Schedule :**

Description of Recall Schedule : Dealers will be informed of the new recall to address the potentially affected VINs in November 2015. Owner notifications will occur one week after recall launch, estimated November 2015.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

\* NR - Not Reported