

Part 573 Safety Recall Report**15V-796****Manufacturer Name :** Mercedes-Benz USA, LLC.**Submission Date :** NOV 23,2015**NHTSA Recall No. :** 15V-796**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 : 1-800-367-6372

Population :

Number of potentially involved : 52

Estimated percentage with defect : 1

Vehicle Information :

Vehicle : 2015-2015 Mercedes-Benz S-Class S550 Hybrid

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : 222.163 UG6D 52 vehicles

Production Dates : APR 24, 2015 - JUN 12, 2015

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**

Description of the Defect : Daimler AG (DAG), manufacturer of Mercedes-Benz vehicles, has decided that on certain plugin hybrid S-Class (222 platform), C-Class (205 platform), and M-Class (166 platform) vehicles, the circuit board in the high voltage onboard charger might not have been manufactured according to specifications.

In the event of an electrical circuit board malfunction, the charging function for an external charging cable might not be available. Furthermore, the high voltage onboard charger might incorrectly detect a charging cable, even while the car is being driven.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event of an incorrectly detected charging cable, the vehicle would request to place the transmission in "Park". Should this occur when the vehicle is in motion at speeds below 3 mph, the transmission would engage the parking lock function. This would abruptly stop the vehicle and could increase the risk of a crash.

Description of the Cause : Due to a circuit board production deviation at a sub-supplier, electrical connections within the circuit board might be too thin and could break.
Identification of Any Warning that can Occur : A message appears in the instrument cluster when the defect occurs.

Supplier Identification :**Component Manufacturer**

Name : Deltas Energy Systems (Germany) GmbH

Address : Coesterweg 45

Soest FOREIGN STATES 59494

Country : Germany

Chronology :

In July 2015, the supplier informed DAG about potential quality issues with the high voltage onboard charger. This stemmed from prior information provided by DAG concerning individual field reports describing instances in which drivers allegedly experienced the subject condition described above. No personal injuries or third party damages were reported. In addition, field parts were requested for further analysis and in the following weeks, investigations were conducted to identify the root cause using parts returned from the field. Subsequently, the batch of potentially affected high voltage onboard charger units was identified by the supplier.

In late September 2015, DAG and the supplier jointly identified the range of potentially affected vehicles based on logistics documentation.

In November 2015, DAG determined that a potential safety risk cannot be excluded.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealer will replace the on-board charger on the affected vehicles.

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 : NR

Identify How/When Recall Condition was Corrected in Production : A change in the production procedure of the supplier ensures that this defect can no longer occur in vehicles produced from 09/19/2015 onward.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign in December 2015.

MBUSA estimates an owner notification will be mailed in early January 2016, after NHTSA has approved the draft customer letter.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

* NR - Not Reported