

Part 573 Safety Recall Report**16V-308****Manufacturer Name :** Mercedes-Benz USA, LLC.**Submission Date :** MAY 16, 2016**NHTSA Recall No. :** 16V-308**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 : 136

Estimated percentage with defect : 23

Vehicle Information :

Vehicle : 2016-2016 Mercedes-Benz AMG GTS

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 190.378 YJ7J 136 vehicles

Production Dates : JUN 01, 2015 - JUL 24, 2015

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**

Description of the Defect : Daimler AG has determined, that on certain AMG GT S vehicles (C190 platform), the bond between the carbon-fiber driveshaft and the engine-/transmission flange might not meet the specification.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The strength of the adhesive between the drive shaft and the flange might be compromised due to insufficient cleaning of the respective bonding surfaces prior to assembly. In such a case the carbon-fiber driveshaft might separate from the flange and spin. This could result in loss of traction between the engine and transmission and thus lead to loss of motive power and increase the risk of a potential crash.

Description of the Cause : Due to a deviation during the bonding process at the carbon-fiber driveshaft supplier, anticorrosive residues may not have been sufficiently removed.

Identification of Any Warning that can Occur : None. In the event of a transmission malfunction or loss of

traction between engine and transmission, a warning signal in the instrument cluster will alert the driver.

Supplier Identification :**Component Manufacturer**

Name : COTESA GmbH

Address : Bahnhofstraße 67

Mittweida FOREIGN STATES 09648

Country : Germany

Chronology :

At the end of October 2015, Daimler AG became aware of a single field case in the U.S. where an AMG GT S customer noted noticeable noises beneath his vehicle. In the dealer workshop, the connection between the carbon-fiber driveshaft and flange was found to be separated. At this point, DAG considered the field case to be an individual instance and the driveshaft was replaced.

In November and December 2015, DAG became aware of one field case in Saudi-Arabia and Japan respectively, where AMG GT S customers noted transmission malfunctions in connection with scratching noises and warning signals in the instrument cluster.

The carbon fiber drive shafts relating to the above mentioned field cases were sent to DAG for further analysis. It was found, that the drive shafts themselves were intact, whereas the bonding between the carbon-fiber driveshaft and the engine and/or transmission flange was separated.

Based on this information, thorough analysis concerning the root-cause of this issue commenced at the carbon-fiber driveshaft supplier in late December 2015.

In early February 2016, a deviation during the bonding process at the carbon-fiber driveshaft supplier (anticorrosive residues were not sufficiently removed) was identified to be the root cause of this issue.

Further analysis was conducted in March and April 2016 together with the supplier to match the batches of potentially affected drive shafts with the vehicle production in the plant.

In early May 2016, DAG determined that a safety defect cannot be ruled out.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealer will first check the carbon-fiber driveshaft on the affected vehicles and replace 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 warranty.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign in May 2016.
A copy of all communications will be provided
Owners will be notified in June 2016, approximately one week after recall launch to the dealers

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

* NR - Not Reported