

Part 573 Safety Recall Report

19V-457

Manufacturer Name : Mercedes-Benz USA, LLC.**Submission Date :** SEP 09, 2019**NHTSA Recall No. :** 19V-457**Manufacturer Recall No. :** NR**Manufacturer Information :****Population :**

Manufacturer Name : Mercedes-Benz USA, LLC.

Number of potentially involved : 1,002

Address : 13470 International Parkway
Jacksonville FL 32218

Estimated percentage with defect : 100 %

Company phone : 1-877-496-3691

Vehicle Information :

Vehicle 1 : 2016-2017 Mercedes-Benz AMG GTS

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 190.378 YJ7J 951 Vehicles

The recall population was determined through production records of the supplier. The carbon-fiber driveshafts included in the recall were part of a production batch where the driveshaft may contain silicone residue which affects its ability to maintain the bond with the engine/transmission flange. Vehicles outside of the recall scope do not include carbon-fiber drive shafts that were sourced from one of the affected production batches.

Production Dates : JUN 01, 2015 - APR 28, 2016

VIN Range 1 : Begin : WDDYJ7JA0GA003328 End : WDDYJ7JAXHA009865 ☒ Not sequential

Vehicle 2 : 2017-2017 Mercedes-Benz AMG GT

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 190.377 YJ7H 51 Vehicles

The recall population was determined through production records of the supplier. The carbon-fiber driveshafts included in the recall were part of a production batch where the driveshaft may contain silicone residue which affects its ability to maintain the bond with the engine/transmission flange. Vehicles outside of the recall scope do not include carbon-fiber drive shafts that were sourced from one of the affected production batches.

Production Dates : JUN 01, 2015 - APR 28, 2016

VIN Range 1 : Begin : WDDYJ7JA0GA003328 End : WDDYJ7JAXHA009865 ☒ Not sequential

Description of Defect :

Description of the Defect : Daimler AG ('DAG'), the manufacturer of Mercedes-Benz vehicles, has determined that on certain AMG GT vehicles (C190 platform), the bonding between the carbon-fiber driveshaft and the engine-/transmission flange might not meet current production specification.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the bonding between the carbon-fiber driveshaft and the flange does not meet specification and is insufficient, the driveshaft might detach during vehicle operation. This could affect the performance of the transmission and in limited cases, lead to a loss of traction between engine and transmission. If this were to occur, a loss of the vehicle's motive power cannot be ruled out, which could increase the risk of a potential crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : In case of a transmission malfunction or loss of traction between engine and transmission, the check engine warning lamp in the instrument cluster will alert the driver and the vehicle may emit grinding or other noises.

Supplier Identification :

Component Manufacturer

Name : Cotesa GmbH

Address : Bahnhofstr. 67

Mittweida FOREIGN STATES D-09648

Country : Germany

Chronology :

Beginning in mid-2016, DAG began to receive sporadic reports related to the performance of the carbon-fiber drive shaft in its AMG GT vehicles. The reports were received from various global markets and included varying descriptions of the issue, ranging from accounts of excessive noise to statements that the level of power when the accelerator pedal was depressed did not meet the customer's expectations. DAG made attempts to obtain the parts from various field locations in order to conduct further inspection and analysis in combination with the drive shaft supplier.

DAG considered whether this set of reports had any relationship to a previous product investigation also involving the performance of carbon-fiber drive shafts for which DAG submitted a Defect Information Report (16V-308) in May 2016, involving a total of 136 MY16 AMG vehicles. In this recall (16V-308), the supplier had not properly cleaned the surfaces connecting the carbon fiber drive shaft to the engine or transmission flange

in certain batches of parts. In that instance, if the anti-corrosive residue was not thoroughly cleaned from the end of the drive shaft, it could affect the adhesive bonding between the two surfaces and could cause the drive shaft to separate. Following an improvement to the cleaning process at the supplier, all drive shafts produced after the improvement process were believed to be performing according to specification. DAG's review found the more recent reports were not related to the same concern which led to the May 2016 recall.

Please see chronolgy supplement

Description of Remedy :

Description of Remedy Program : As a precautionary measure an authorized Mercedes-Benz dealer will replace the carbon-fiber draft shaft, including the flange on the affected vehicles. 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 : The remedy drive shafts include engine/transmission flanges that have undergone a lathing process to eliminate any potential silicone residue.

Replacement Part Nos.: A0003531373Bundmutter (Hinterachswellen Nabe)

A0004901541 Schelle (Abgasanlage)

A0009890367 Gleitmittel

A0029901003 Schraube (Achswelle an Hinterachsflansch)

A0059904750 Mutter (Querlenker an Radträger)

A0209972745 Dichtring Getriebeölleitung

A0279972545 O-Ring

A1904102300 Carbonwelle

A1904111500 Befestigungsplatte Sicherungsblech

A2214920081 Dichtring (Abgasanlage)

N000000000276 Sechsrundschrabe (Antriebswelle an Flanch)

N000000003275 Mutter (Drehstabgestänge an Radträger)

N000000006551 Schraube

N000000006589 Sechsrundschrabe (Gelenkwelle an Motor)

N910105008019 Schraube (Getriebelager an Träger)

N910105010044 Sechsrundschrabe (Gelenkwelle an Getriebe)

N910105014016 Schraube (Querlenker oben an Radträger)

N910112010001 Mutter (Gelenkwelle an Getriebe, Anlasser,...)

N910143008004 Schraube (Träger an Getriebe)

Identify How/When Recall Condition was Corrected in Production : The last affected vehicle equipped with a carbon-shaft from the potentially affected production batches of the supplier was built on March 24, 2016. Furthermore, a change in the production procedure was instituted at the supplier so that the flange now undergoes a lathing process to eliminate any potential silicone residue.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign by June 21, 2019. Dealers will be notified of the additional vehicles under pending voluntary recall campaign by September 16, 2019. Owners will be notified of the recall via interim letter on July 26, 2019. Owners of additional vehicles identified will be notified of the recall via interim letter by November 2019. An additional notification will be provided once the remedy is available for repairs.

A copy of all communications will be provided when available.

Planned Dealer Notification Date : JUN 21, 2019 - NR

Planned Owner Notification Date : JUL 26, 2019 - NR

* NR - Not Reported