

Part 573 Safety Recall Report

19V-821

Manufacturer Name : Mercedes-Benz USA, LLC.**Submission Date :** JAN 06, 2020**NHTSA Recall No. :** 19V-821**Manufacturer Recall No. :** NR**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 : 6

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2019 Mercedes-Benz S560 Cabriolet

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 217.483 XK8D 1 Vehicle

The recall population was determined through production records. Vehicles outside of the recall population have a idler gear with a threaded connection manufactured according to current production specifications.

Production Dates : FEB 23, 2018 - MAY 16, 2019

VIN Range 1 : Begin : WDDUG8DB3KA481050 End : WDDXK8DB4KA039809 Not sequential

Vehicle 2 : 2018-2019 Mercedes-Benz S560

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222.183 UG8D 4 Vehicles

The recall population was determined through production records. Vehicles outside of the recall population have a idler gear with a threaded connection manufactured according to current production specifications.

Production Dates : NOV 23, 2018 - MAY 16, 2019

VIN Range 1 : Begin : WDDUG8DB3KA481050 End : WDDXK8DB4KA039809 Not sequential

Vehicle 3 : 2018-2019 Mercedes-Benz S560 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 222.186 UG8G 1 Vehicles

The recall population was determined through production records. Vehicles outside

of the recall population have a idler gear with a threaded connection manufactured according to current production specifications.

Production Dates : NOV 23, 2018 - MAY 16, 2019

VIN Range 1 : Begin : WDDUG8DB3KA481050 End : WDDXK8DB4KA039809 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") 2018-2019 S-Class (222 platform) and S-Class Cabrio (217 platform) vehicles equipped with an 8-cylinder gasoline engine (M176), the threaded connection of the camshaft idler gear to the crankcase might not meet current production specifications.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A threaded connection that does not meet current production specifications could result in the idler gear detaching from the crankcase. This could lead to contact between the engine valves and pistons, damaging the engine and leading to a vehicle stall, increasing the risk of a crash.

Description of the Cause : Due to a deviation in the assembly process, the threaded connection of a specific idler gear might not meet current production specifications.

Identification of Any Warning that can Occur : The customer will not receive an advance warning due to the nature of the failure mechanism.

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

In mid June 2019 , MBAG launched an initial investigation based on isolated field reports from outside the US describing instances in which customers allegedly experienced the subject condition outlined above. No third party damages or personal injuries were reported. MBAG obtained the engines from several affected vehicles in the field for further inspection. These analyses showed that certain idler gears had detached. Additional investigations of the production documentation determined that the threaded connection of the idler gear to the crankcase did not meet specification, as it was finally found that the torque monitoring in the assembly process was not able to detect a tilted installation of the idler gear. MBAG reviewed internal production

records to determine which vehicles might potentially be affected based on the torque monitoring records. In mid November 2019, MBAG determined that a potential safety risk can not be ruled out.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealer will replace the engine 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 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 : The replacement engines will include an idler gear assembled and mounted as specified.

Replacement Engine Nos.:
A1760102002
A1760101902
A1760102302
A1760100400

Identify How/When Recall Condition was Corrected in Production : A change in the production procedure ensures that this issue can no longer occur from May 17, 2019 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on November 22, 2019. Owners will be notified of the voluntary recall campaign via interim customer letter on January 02, 2020. A copy of all communications will be provided when available.

Planned Dealer Notification Date : NOV 22, 2019 - NR

Planned Owner Notification Date : JAN 03, 2020 - NR

* NR - Not Reported