

Part 573 Safety Recall Report

19V-605

Manufacturer Name : Mercedes-Benz USA, LLC.**Submission Date :** OCT 18, 2019**NHTSA Recall No. :** 19V-605**Manufacturer Recall No. :** 2019090019**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 : 3,264

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2019-2019 Mercedes - Benz CLS 450 Coupe 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : 257.359 2J5K 1396 Vehicles

The recall population was determined through production records. Vehicles outside of the recall population have correctly routed engine wiring harnesses.

Production Dates : DEC 19, 2017 - JAN 07, 2019

VIN Range 1 : Begin : WDD2J5JB0KA000554 End : WDD2J5KBXKA032149 Not sequential

Vehicle 2 : 2019-2019 Mercedes-Benz CLS 450 Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : 257.358 2J5J 1868 Vehicles

The recall population was determined through production records. Vehicles outside of the recall population have correctly routed engine wiring harnesses.

Production Dates : DEC 19, 2017 - JAN 07, 2019

VIN Range 1 : Begin : WDD2J5JB0KA000554 End : WDD2J5KBXKA032149 Not sequential

Description of Defect :

Description of the Defect : Daimler AG (“DAG”), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year (“MY”) 2019 CLS-Class vehicles (257 platform) equipped with a 6-cylinder gasoline engine (M256), the electric power supply for the engine coolant pump might contact the engine fan and chafe.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Chafing of the electric power supply for the engine coolant pump could lead to a malfunction of the engine coolant pump and/or a deactivation of the 48V on-board electrical system.

If the engine coolant pump malfunctions, the engine coolant temperature might increase, potentially leading to an engine stall.

If the 48V on-board electrical system becomes deactivated while the engine is running, the vehicle can continue to be driven. However, a restart of the engine would not be possible should the engine be switched off by the ECO start/stop function or the “Glide” mode functionality.

In both cases, the vehicle propulsion would be lost, increasing the risk of a crash.

Description of the Cause : Due to tolerances in the routing of the electric line for the power supply of the coolant pump, it could come into contact with the engine fan and damage the wiring harness.

Identification of Any Warning that can Occur : The customer may be made aware of the issue by a warning message in the instrument cluster indicating a too high engine coolant temperature and/or a malfunction of the 48V on-board electrical system.

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

In the end of November 2018, DAG received a single field report describing an instance of a malfunctioning electric power supply to the engine coolant pump due to chafing on the engine fan. This report was considered to be an isolated event, however, DAG initiated an investigation to understand why the electric power supply had come into contact with the engine fan.

Although the investigation did not reveal broader concerns relating to the routing of the wiring harness, an additional fixation clip on the wiring harness was implemented in January 2019 as a measure of continuous improvement.

After a second field report was received from a vehicle produced before the introduction of the additional clip, further investigations were initiated in March 2019, as the report for this vehicle also indicated that the electric power supply to the engine coolant pump had made contact with the engine fan.

Please see additional chronology attached.

Description of Remedy :

Description of Remedy Program : As a precautionary measure, an authorized Mercedes-Benz dealer will check the affected vehicles for damage on the electric power supply feed to the coolant pump and repair it, if necessary. Additionally, the routing of the electric line will be modified in order to prevent potential contact with the engine fan.

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 routing of the wiring harness has been modified so that it cannot come into contact with the engine fan. A 000 982 93 10 Leitungsverbinder, A 000 995 15 90 Clip mit Kabelbinder, A 007 989 07 85 Gewebeband

Identify How/When Recall Condition was Corrected in Production : A modified routing of the electric line ensures that this issue can no longer occur from January 9, 2019 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on August 23, 2019. Owners will be notified via interim letter on October 04, 2019. A copy of all communications will be provided when available.

Planned Dealer Notification Date : AUG 23, 2019 - NR

Planned Owner Notification Date : OCT 04, 2019 - NR

* NR - Not Reported