

Part 573 Safety Recall Report

21V-124

Manufacturer Name : Mercedes-Benz USA, LLC**Submission Date :** FEB 26, 2021**NHTSA Recall No. :** 21V-124**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 : 7
Estimated percentage with defect : 100 %

Vehicle Information :**Vehicle 1 :** 2020-2020 Mercedes-Benz CLA45 AMG**Vehicle Type :** LIGHT VEHICLES**Body Style :** 4-DOOR**Power Train :** GAS

Descriptive Information : Mercedes-Benz MY2020 CLA45 AMG 7 vehicles. The recall population was determined through production records. Vehicles outside of the recall population have spark plugs that meet current production specifications.

Production Dates : JUL 05, 2019 - DEC 18, 2019**VIN Range 1 : Begin :**

NR

End : NR 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") 2020 CLA-Class (118 platform) vehicles with a 4-cylinder gasoline engine (M139q), an incorrect variant of spark plug might have been installed.

FMVSS 1 : NR**FMVSS 2 :** NR

Description of the Safety Risk : In this case, an increased mechanical wear of the spark plug from thermal overload could occur overtime causing parts of the spark plug to possibly detach within the combustion chamber, potentially leading to engine damage. In this case, stalling of the vehicle cannot be ruled out, which could increase the risk of a crash.

Description of the Cause : Due to a deviation in the production process, the variant of the spark plugs might not meet specifications.

Identification of Any Warning that can Occur : In some cases, the customer may receive an advance warning due to the nature of the failure mechanism showing a malfunction indicator lamp ("MIL").

Involved Components :

Component Name 1 : Spark Plug

Component Description : Spark Plug

Component Part Number : A1391591100

Supplier Identification :**Component Manufacturer**

Name : Mercedes-Benz AG

Address : NR

NR

Country : NR

Chronology :

In early August 2020, MBAG launched initial investigations based on a finding in the production plant relating to the potential installation of spark plugs with different geometries installed in the 4-cylinder engine (M139q). The investigation determined that an incorrect version of spark plugs might have been delivered to the vehicle rework process and installed into engines.

Further investigations relating to potential consequences of the installation of incorrect spark plug versions were initiated, including the impact on safety.

In December 2020, in the further course of the investigation, potential long term effects were analyzed, where an increased mechanical wear of the spark plug due to thermal overload could not be ruled out.

Based on the results of these investigations, a potential risk for stalling for the affected vehicles could not be ruled out. On February 19, 2021, MBAG decided to conduct a recall.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealer will replace the spark plugs 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 : Spark plugs according to specifications. Spark Plug - A1391591400.

Identify How/When Recall Condition was Corrected in Production : A change in the production procedure of the rework plant ensures that this issue can no longer occur from Aug 25, 2020 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on March 5, 2021. Owners will be notified of the voluntary recall campaign approximately one week after launch to the dealers on April 27, 2021. A copy of all communications will be provided when available.

Planned Dealer Notification Date : MAR 05, 2021 - NR

Planned Owner Notification Date : APR 27, 2021 - NR

* NR - Not Reported