

Part 573 Safety Recall Report

23V-880

Manufacturer Name : Mercedes-Benz USA, LLC**Submission Date :** DEC 21, 2023**NHTSA Recall No. :** 23V-880**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 : 79,676

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2024 Mercedes-Benz C300

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 6870 Vehicles.

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2023-2023 Mercedes-Benz AMG C43

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 324 Vehicles.

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2022-2023 Mercedes-Benz E350

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 1352 Vehicles

The recall population was determined through production records.
For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 4 : 2022-2023 Mercedes-Benz E450

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 868 Vehicles

The recall population was determined through production records.
For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 5 : 2021-2023 Mercedes-Benz AMG E53

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 740 vehicles

The recall population was determined through production records.
For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 6 : 2021-2023 Mercedes-Benz AMG E63

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 15 Vehicles

The recall population was determined through production records.
For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2022-2023 Mercedes-Benz G550

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 1620 vehicles

The recall population was determined through production records.
For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2022-2023 Mercedes-Benz AMG G63

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 2998 Vehicles

The recall population was determined through production records.
For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2022-2023 Mercedes-Benz AMG G63 4X4

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 275 Vehicles

The recall population was determined through production records.
For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 10 : 2023-2023 Mercedes-Benz GLC300

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 1573 Vehicles

The recall population was determined through production records.
For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 11 : 2023-2023 Mercedes-Benz AMG GLC43

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 544 Vehicles

The recall population was determined through production records.
For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 12 : 2021-2023 Mercedes-Benz GLE350

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 26108 Vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 13 : 2022-2024 Mercedes-Benz GLE450

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 5858 Vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 14 : 2022-2024 Mercedes-Benz AMG GLE53

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 8607 Vehicles

The recall population was determined through production records.
For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 15 : 2022-2023 Mercedes-Benz GLE580

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 219 Vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 16 : 2022-2024 Mercedes-Benz AMG GLE63

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 270 Vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 17 : 2022-2023 Mercedes-Benz GLS580

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 314 Vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 18 : 2022-2023 Mercedes-Benz GLS450

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 11925 Vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 19 : 2022-2023 Mercedes-Benz Maybach GLS600

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 241 vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 20 : 2022-2023 Mercedes-Benz AMG GLS63

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 150 Vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 21 : 2021-2023 Mercedes-Benz AMG GT43

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 194 Vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 22 : 2022-2023 Mercedes-Benz AMG GT53

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 345 Vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 23 : 2023-2023 Mercedes-Benz AMG GT63

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 148 Vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 24 : 2022-2023 Mercedes-Benz S500

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 2834 vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 25 : 2023-2023 Mercedes-Benz S580

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : 455 vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 26 : 2022-2023 Mercedes-Benz S580

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 3590 vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 27 : 2022-2023 Mercedes-Benz Maybch S580

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 174 Vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 28 : 2023-2023 Mercedes-Benz AMG SL43

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 2 Vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 29 : 2022-2023 Mercedes-Benz AMG SL55

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 564 vehicles

The recall population was determined through production records.

For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 30 : 2022-2023 Mercedes-Benz AMG SL63

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 499 Vehicles

The recall population was determined through production records.
For vehicles outside of the recall population the installed fuel pump impellers meet the material requirements.

Production Dates : AUG 01, 2021 - MAR 31, 2023

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") 2021-2024 GLE/GLS (167 platform), C-Class (205, 206 platform), E-Class (213 platform), S-Class (223 platform), SL (232 platform), E-Class Coupe/Convertible (238 platform), GLC (253, 254 platform), CLS (257 platform), AMG GT 4-doors Coupe (290 platform) and G-Class (463 platform) vehicles, the fuel pump impeller might not meet current specifications in regards to material characteristics.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : As a consequence, the impeller might deform and come into contact with the fuel pump housing, leading to a mechanical resistance. In some instances, this could lead to a shutdown of the fuel pump. As a result, the vehicle could lose propulsion, which could increase the risk of crash or injury.

Description of the Cause : Due to a deviation in the production process of a sub-supplier, certain fuel pump impellers might not meet the material requirements and thus certain batches of fuel delivery modules might not meet the durability properties.

Identification of Any Warning that can Occur : Before the fuel pump is switched off, the driver may be made aware of a malfunction by a warning message in the instrument cluster and might notice the engine running rough.

Involved Components :

Component Name 1 : Fuel DELIVERY UNIT

Component Description : Fuel DELIVERY UNIT

Component Part Number : N000000001392

Component Name 2 : Fuel DELIVERY UNIT

Component Description : Fuel DELIVERY UNIT

Component Part Number : A1674704500

Component Name 3 : Fuel DELIVERY UNIT

Component Description : Fuel DELIVERY UNIT

Component Part Number : A1674706900

Component Name 4 : Fuel DELIVERY UNIT

Component Description : Fuel DELIVERY UNIT

Component Part Number : A2054702702

Component Name 5 : Fuel DELIVERY UNIT

Component Description : Fuel DELIVERY UNIT

Component Part Number : A2054704900

Component Name 6 : Fuel DELIVERY UNIT

Component Description : Fuel DELIVERY UNIT

Component Part Number : A2054708501

Component Name 7 : Fuel DELIVERY UNIT

Component Description : Fuel DELIVERY UNIT

Component Part Number : A2064700202

Component Name 8 : Fuel DELIVERY UNIT

Component Description : Fuel DELIVERY UNIT

Component Part Number : A2064704401

Component Name 9 : Fuel DELIVERY UNIT

Component Description : Fuel DELIVERY UNIT

Component Part Number : A2064704501

Component Name 10 : Fuel DELIVERY UNIT

Component Description : Fuel DELIVERY UNIT

Component Part Number : A2234703301

Component Name 11 : Fuel DELIVERY UNIT

Component Description : Fuel DELIVERY UNIT

Component Part Number : A2234709601

Component Name 12 : Fuel DELIVERY UNIT

Component Description : Fuel DELIVERY UNIT

Component Part Number : A2324700000

Component Name 13 : Fuel DELIVERY UNIT

Component Description : Fuel DELIVERY UNIT

Component Part Number : A4634705900

Component Name 14 : Fuel DELIVERY UNIT

Component Description : Fuel DELIVERY UNIT

Component Part Number : A2544702300

Supplier Identification :

Component Manufacturer

Name : Hyundam Industrial Co., Ltd.

Address : Yeongin-myeon, Asan-si, Chung Cheong Na
29, Yeongni-gil Foreign States

Country : Korea, Republic of

Chronology :

In the beginning of June 2022, MBAG launched initial investigations based on individual field reports from outside the US alleging inconsistent power delivery. MBAG hypothesized that, the function of the fuel pump might have been impaired without having any initial indications in regards to common influencing factors on the field cases in this relation. In July 2022, MBAG began retrieving fuel pumps from affected vehicles in the field and analyzing them in coordination with the supplier. Over the next several months, MBAG conducted analyses of the material together with the supplier, as well as the production processes at the supplier and its sub-suppliers. Through the end of the year, MBAG conducted numerous and varied tests in coordination with its tier one supplier, including fuel swelling behavior, structural damage and notched impact resistance tests. In December 2022, these intensive analyses and tests identified an irregularity in individual raw material batches used for the suspect fuel pump impellers, sourced from a sub-supplier. Based on that determination, in January 2023, MBAG's supplier of the suspect fuel pump started investigations to identify the potentially affected vehicle population by tracking the material flow within the multi-supplier chain from the raw material sub-supplier up to the fuel pump manufacturer. At the same time, the fuel pump supplier implemented several changes in its production process, including a replacement of the raw material supplier, changing the injection molding process at the injection molding supplier and implementing more quality controls within the supplier chain. Through May 2023, MBAG and its fuel pump supplier conducted further testing and analyses to identify potential influencing factors and determine potential consequences of material and process anomalies at different steps of the production process. Please see Chronology Supplement.

Description of Remedy :

Description of Remedy Program : As a precautionary measure, an authorized Mercedes-Benz dealership will replace the fuel delivery module 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 : Fuel pump impellers that meet the material requirements
Remedy Part No: \

Fuel DELIVERY UNIT A1674700394
Fuel DELIVERY UNIT A1674704500
Fuel DELIVERY UNIT A1674706900
Fuel DELIVERY UNIT A2054702702
Fuel DELIVERY UNIT A2054704900
Fuel DELIVERY UNIT A2054708501
Fuel DELIVERY UNIT A2064700202
Fuel DELIVERY UNIT A2064704401
Fuel DELIVERY UNIT A2064704501
Fuel DELIVERY UNIT A2234703301
Fuel DELIVERY UNIT A2234709601

Fuel DELIVERY UNIT A2324700000
Fuel DELIVERY UNIT A4634705900
Fuel DELIVERY UNIT A2544702300

Identify How/When Recall Condition was Corrected in Production : A change in the production procedure of our supplier ensures that this issue can no longer occur from April 03, 2023 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on December 28, 2023. Owners will be notified of the voluntary recall campaign before February 13, 2024.
A copy of all communications will be provided when available.

Planned Dealer Notification Date : DEC 28, 2023 - NR
Planned Owner Notification Date : FEB 13, 2024 - NR

* NR - Not Reported