

# Part 573 Safety Recall Report

# 21V-961

**Manufacturer Name :** Mercedes-Benz USA, LLC**Submission Date :** DEC 23, 2021**NHTSA Recall No. :** 21V-961**Manufacturer Recall No. :** NR**Manufacturer Information :****Population :**

Manufacturer Name : Mercedes-Benz USA, LLC

Number of potentially involved : 139

Address : 13470 International Parkway

Estimated percentage with defect : 5 %

Jacksonville FL 32218

Company phone : 1-877-496-3691

**Vehicle Information :**

Vehicle 1 : 2019-2020 Mercedes-Benz A220

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2019-2020 A-Class 9 Vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2020-2020 Mercedes-Benz AMG A35

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020 AMG A-Class 1 Vehicle.

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 3 : 2019-2019 Mercedes-Benz C300

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2019 C-Class 1 Vehicle

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2016-2016 Mercedes-Benz C300

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2016 C-Class 1 Vehicle

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2020-2020 Mercedes-Benz AMG C43

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020 AMG C-Class 1 Vehicle

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2020-2020 Mercedes-Benz AMG C63

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020 AMG C-Class 1 Vehicle

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 7 : 2020-2020 Mercedes-Benz CLA250

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020 CLA-Class 6 Vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 8 : 2019-2019 Mercedes-Benz E300

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2019 E-Class 6 Vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 9 : 2020-2020 Mercedes-Benz E350

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020 E-Class 5 Vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 10 : 2020-2020 Mercedes-Benz E450

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020 E-Class 1 Vehicle

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 11 : 2020-2020 Mercedes-Benz E450

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020 E-Class 1 Vehicle

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 12 : 2019-2019 Mercedes-Benz G550

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2019 G-Class 2 Vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 13 : 2019-2019 Mercedes-Benz AMG G63

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2019 AMG G-Class 2 Vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 14 : 2019-2020 Mercedes-Benz GLA250

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2019-2020 GLA-Class 3 Vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 15 : 2020-2020 Mercedes-Benz GLB250

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020 GLB-Class 9 Vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 16 : 2019-2020 Mercedes-Benz GLC300

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2019-2020 GLC-Class 48 Vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 17 : 2020-2020 Mercedes-Benz GLE450

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020 GLE-Class 7 Vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 18 : 2020-2020 Mercedes-Benz GLS450

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020 GLS-Class 24 Vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 19 : 2020-2020 Mercedes-Benz GLS580

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020 GLS-Class 2 Vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 20 : 2019-2019 Mercedes-Benz AMG GT53

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2019 AMG GT-Class 2 Vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 21 : 2019-2019 Mercedes-Benz AMG GT63

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2019 AMG GT-Class 4 Vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 22 : 2020-2020 Mercedes-Benz S560

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020 S-Class 2 Vehicles

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 23 : 2020-2020 Mercedes-Benz SL550

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Mercedes-Benz 2020 SL-Class 1 Vehicle

The recall population was determined through production records.

Vehicles outside of the recall population have a fuel rail and fuel injectors which have been properly cleaned prior to assembly.

Production Dates : MAY 27, 2016 - MAY 14, 2020

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”) 2016- 2020 CLA-Class (118 platform), GLA-Class (156 platform), GLE/GLS-Class (167 platform), A-Class (177 platform), C-Class (205 platform), E-Class (213 platform), S-Class (222 platform), SL-Class (231 platform), E-Class Coupe/Convertible (238 platform), GLB-Class (247 platform), GLC-Class (253 platform), CLS-Class (257 platform), AMG GT 4-doors Coupe (290 platform) and G-Class (463 platform) vehicles with a gasoline engine, a leak may develop between the fuel rail and fuel injector due to trapped particles from the production process.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Trapped debris might damage the seal between the fuel rail and fuel injector, which over the life of the vehicle, might result in a fuel leak into the engine compartment. Leaking fuel from this area might contact hot parts of the engine and therefore a risk of a fire cannot be ruled out.

Description of the Cause : Due to a deviation in the production process, the fuel rail and fuel injectors might not have been cleaned properly prior to assembly.

Identification of Any Warning that can Occur : The driver may notice a fuel odor if a leak occurs or a check engine light if the fuel rail pressure deviation exceeds thresholds.

## Involved Components :

Component Name 1 : RETAINING SPRING F INJECTOR

Component Description : RETAINING SPRING F INJECTOR

Component Part Number : A2780720443

Component Name 2 : HIGH PRESSURE PIPE

Component Description : HIGH PRESSURE PIPE

Component Part Number : A2760703232

Component Name 3 : HIGH PRESSURE PIPE

Component Description : HIGH PRESSURE PIPE

Component Part Number : A2780702432

Component Name 4 : HIGH PRESSURE PIPE VST

Component Description : HIGH PRESSURE PIPE VST

Component Part Number : A2560704300

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Component Name 5 : INJECTOR WITH DUESE

Component Description : INJECTOR WITH DUESE

Component Part Number : A2560705600

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Component Name 6 : FUEL DISTRIBUTOR VST

Component Description : FUEL DISTRIBUTOR VST

Component Part Number : A1770700400

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Component Name 7 : FUEL DISTRIBUTOR VST

Component Description : FUEL DISTRIBUTOR VST

Component Part Number : A2600700900

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Component Name 8 : FUEL DISTRIBUTOR VST

Component Description : FUEL DISTRIBUTOR VST

Component Part Number : A2640701900

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Component Name 9 : FUEL DISTRIBUTOR VST

Component Description : FUEL DISTRIBUTOR VST

Component Part Number : A2700701995

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Component Name 10 : FUEL DISTRIBUTOR VST

Component Description : FUEL DISTRIBUTOR VST

Component Part Number : A2740701195

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Component Name 11 : FUEL DISTRIBUTOR VST HI  
Component Description : FUEL DISTRIBUTOR VST HI  
Component Part Number : A2560703200

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Component Name 12 : FUEL DISTRIBUTOR VST LI  
Component Description : FUEL DISTRIBUTOR VST LI  
Component Part Number : A2760704195

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Component Name 13 : FUEL DISTRIBUTOR VST LI  
Component Description : FUEL DISTRIBUTOR VST LI  
Component Part Number : A2780703195

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Component Name 14 : FUEL DISTRIBUTOR VST RE  
Component Description : FUEL DISTRIBUTOR VST RE  
Component Part Number : A2760704295

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Component Name 15 : FUEL DISTRIBUTOR VST RE  
Component Description : FUEL DISTRIBUTOR VST RE  
Component Part Number : A2780703295

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Component Name 16 : FUEL DISTRIBUTOR VST VO  
Component Description : FUEL DISTRIBUTOR VST VO  
Component Part Number : A2560703100

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## Supplier Identification :

### Component Manufacturer

Name : Mercedes-Benz AG  
Address : NR  
Foreign States

Country: Germany

## Chronology :

Due to isolated field complaints involving alleged fuel leakage (one single complaint received from a US dealer at end of January 2020 in which the customer noticed a fuel odor, however the vehicle was registered in the Canadian market), camera images from the production process of fuel rail and fuel injector components were evaluated for potential deviations from specifications. Images were evaluated by both manual screening and image recognition software. By the end of February 2021, several million camera images from the production process were evaluated. Images of the fuel rails identified the potential for particle inclusions in the produced fuel rail components. It was also determined during this review that a process change in August 2020 that was part of continuous process improvement prevented the risk of particle inclusions from reoccurring.

Subsequently, from March to April 2021, the isolated field complaints were reviewed and traced back to inclusions identified in fuel rails that were detected by the analysis of camera images. The analysis showed that these were small plastic and metal particles.

From May to July 2021, the production plant and the development department analyzed whether the particles identified in fuel rails could lead to a leak in the seal between the fuel rail and the fuel injector. This analysis determined that it could not be ruled out that trapped sharp-edged particles could work their way into the seal over the vehicle's operating life.

In the following months, potential effects of leaking fuel from the seal between the fuel rail and fuel injector were investigated for a potential safety risk.

On December 03, 2021, MBAG determined that a potential safety risk cannot be ruled out and decided to conduct a recall. To date Mercedes-Benz is only aware of the one aforementioned customer complaint in the US.

## Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealer, will replace the fuel rail and fuel injectors on the affected vehicles.  
Pursuant to 49 C.F.R. § 577.11(e), MBUSA does plan to provide notice about pre-notice reimbursement to owners since most of the involved vehicles would have been previously subject to the condition described and customers who have already paid to have this recall condition corrected may be eligible to receive reimbursement.

How Remedy Component Differs from Recalled Component : fuel rail according to specifications  
Remedy: Parts Number:

RETAINING SPRING F INJECTOR A2780720443  
HIGH PRESSURE PIPE A2760703232  
HIGH PRESSURE PIPE A2780702432  
HIGH PRESSURE PIPE VST A2560704300  
INJECTOR WITH DUESE A2560705600  
FUEL DISTRIBUTOR VST A1770700400

FUEL DISTRIBUTOR VST	A2600700900
FUEL DISTRIBUTOR VST	A2640701900
FUEL DISTRIBUTOR VST	A2700701995
FUEL DISTRIBUTOR VST	A2740701195
FUEL DISTRIBUTOR VST HI	A2560703200
FUEL DISTRIBUTOR VST LI	A2760704195
FUEL DISTRIBUTOR VST LI	A2780703195
FUEL DISTRIBUTOR VST RE	A2760704295
FUEL DISTRIBUTOR VST RE	A2780703295
FUEL DISTRIBUTOR VST VO	A2560703100

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

### Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on December 17, 2021. Owners will be notified of the voluntary recall campaign before February 8, 2022.

A copy of all communications will be provided when available.

Planned Dealer Notification Date : DEC 17, 2021 - NR

Planned Owner Notification Date : FEB 08, 2022 - NR

\* NR - Not Reported