

Part 573 Safety Recall Report

23V-100

Manufacturer Name : Daimler Vans USA, LLC**Submission Date :** FEB 24, 2023**NHTSA Recall No. :** 23V-100**Manufacturer Recall No. :** 8297010**Manufacturer Information :**

Manufacturer Name : Daimler Vans USA, LLC

Address : One Mercedes-Benz Drive
Sandy Springs GA 30328

Company phone : 8777628267

Population :

Number of potentially involved : 52,993

Estimated percentage with defect : NR

Vehicle Information :

Vehicle 1 : 2019-2020 Mercedes-Benz Sprinter VS30

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : VAN

Power Train : NR

Descriptive Information : The recall population was determined through production records.

Production Dates : SEP 16, 2017 - FEB 03, 2020

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 2 : 2019-2020 FREIGHTLINER SPRINTER VS30

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : VAN

Power Train : NR

Descriptive Information : The recall population was determined through production records.

Production Dates : SEP 16, 2017 - FEB 03, 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 Sprinter (907 platform) vehicles, the fuse layout of the interior blower motor might not meet the requirements for prolonged operation at the highest blower setting.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Influenced by certain premises, such as ambient and assembly space temperatures as well as usage, this could lead to an increase of the transitional resistance between fuse and fuse holder and thus, to a limit-

exceeding heat development in the area of the fuse holder. Consequently, a risk of fire during operation and a risk of injury cannot be ruled out.

Description of the Cause : Due to a deviation in the development process, the fuse layout of the interior blower motor of vehicles from the given production dates might not meet the requirements.

Identification of Any Warning that can Occur : When the issue occurs, the driver might notice unusual odors.

Involved Components :

Component Name 1 : Wire Harness

Component Description : Wire Harness

Component Part Number : A9075409365

Component Name 2 : Wire Harness

Component Description : Wire Harness

Component Part Number : A9075407565

Component Name 3 : Wire Harness

Component Description : Wire Harness

Component Part Number : A9075408565

Component Name 4 : Fuse 25A

Component Description : Fuse 25A

Component Part Number : N000000004207

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

In February 2022 – as part of its ongoing field monitoring efforts – MBAG reviewed reported thermal events involving Sprinter vehicles. The available evidence regarding those reported events was limited due to multiple factors and did not allow for identification of any specific ignition source or burn pattern. MBAG then commenced with further and more complex analyses and intensified review of potentially relevant field data.

In fall 2022, MBAG received two additional field reports of thermal events (from outside the US). Both events appeared to involve the area of the vehicle's fuse box. Based on that information, MBAG conducted an intensive engineering review of the involved vehicles, including onsite inspections. MBAG was also able to retrieve physical evidence, including damaged parts that allowed it to conduct computer tomography imaging and other analyses.

In early November, the technical data and analyses were evaluated to identify potential failure mechanisms, and potential consequences. To validate the findings and hypotheses of these analyses, MBAG ran driving tests including multiple temperature measurements throughout December 2022. In combination, the results of MBAG's analyses and driving tests led to a more detailed preliminary determination regarding the root cause.

In January 2023, MBAG technically evaluated the results from the driving tests and compared them with field data and evidence. In parallel the population of potentially affected vehicles in the field was analyzed and potential remedies were investigated.

On February 10, 2023 MBAG determined that a potential safety risk cannot be ruled out and decided to conduct a recall.

MBAG is currently aware of 11 field reports of apparently similar events involving Sprinter vans in the US. MBAG is not aware of any cases of death or injury related to this defect.

Description of Remedy :

Description of Remedy Program : As a precautionary measure, an authorized Mercedes-Benz Sprinter dealer, will replace the fuse and its supply line as well as relocate the fuse within the fuse box. In the interim, to prevent the possibility of a thermal event, the front blower should only be operated in manual (not automatic) mode whenever the engine is on. Do not use the maximum blower or lowest/highest temperature settings.

How Remedy Component Differs from Recalled Component : New and relocated fuse and new supply line.

Identify How/When Recall Condition was Corrected in Production : The introduction of an adapted fuse layout in production ensures that this issue can no longer occur from February 03, 2020 onwards for vehicles affected in the US market

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign on 4/7/2023. A copy of all communications will be provided when available.

Planned Dealer Notification Date : APR 07, 2023 - APR 07, 2023

Planned Owner Notification Date : APR 14, 2023 - APR 14, 2023

* NR - Not Reported