

Part 573 Safety Recall Report

21V-779

Manufacturer Name : Daimler Vans USA, LLC**Submission Date :** OCT 06, 2021**NHTSA Recall No. :** 21V-779**Manufacturer Recall No. :** VS3KABKAN**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 : 38

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2021 Mercedes-Benz Sprinter

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : VAN

Power Train : NR

Descriptive Information : Based on analysis of production information, the affected population was determined to be platform 907 (VS30) Sprinter vehicles with produced from June 16, 2021 to June 25, 2021.

Production Dates : JUN 16, 2021 - JUN 25, 2021

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 vans, has determined that on certain platform 907 (VS30) Sprinter vehicles, the engagement hooks of the cable duct under the starter-generator wiring harness could not fully latch within the battery case.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Should the engagement hooks of the cable duct not correctly latch within the battery case, the cable duct could drop to the surface of the transmission carrier. Due to relative movement of the starter-generator wiring harness and the transmission carrier, rubbing could develop over the life of the vehicle and might lead to chafing on the wiring harness insulation, and to a potential short circuit. In a worst case, a fire at the wiring harness cannot be ruled out.

Description of the Cause : NR

Identification of Any Warning that can Occur : Due to the nature of the failure mechanism, a customer would not be warned in advance.

Involved Components :

Component Name 1 : Wiring Harness

Component Description : Wiring Harness with cable duct

Component Part Number : A9075404087

Supplier Identification :**Component Manufacturer**

Name : NR

Address : NR

NR

Country : NR

Chronology :

In June 2021, MBAG received notice from a production plant in Düsseldorf that a platform 907 Sprinter vehicle had insufficient space separating the starter-generator wiring harness from the transmission carrier in the left side of the VS30 vehicle's underbody. After inspection of the vehicle in the production line, MBAG initiated an analysis if the vehicle was an isolated case or whether other vehicles could be affected. Further inspections of platform 907 Sprinter vehicles found that additional vehicles could experience insufficient separation of the wiring harness and the transmission carrier. The inspections determined that in some vehicles, the engagement hooks of the cable duct were not correctly latched within the battery case, and consequently the cable duct dropped to the surface of the transmission carrier.

Based on this finding, MBAG commenced a broader investigation. At the same time, MBAG suspended production of platform 907 Sprinter vehicles still in the plant in order to ensure the correct latching of the engagement hooks of the cable duct containing the starter-generator wiring harness.

In August 2021, MBAG development department's investigation discovered that, during the introduction of the new wiring harness for the VS30 vehicles with a geometrical adapted cable duct in June 2021, the new cable duct was tested without the wiring harness. Because of the lack of testing with the wiring harness installed, VS30 vehicles produced since the introduction of the new cable duct since June 2021 were determined to be potentially affected vehicles.

MBAG assessed the potential effect of this phenomenon in different use scenarios during September 2021.

MBAG determined on September 29, 2021 that a potential safety risk cannot be ruled out and decided to file a Part 573 report and conduct a recall.

Description of Remedy :

Description of Remedy Program : Mercedes-Benz and Freightliner customers affected by this measure will be informed about the recall and the necessary next steps in writing via a customer notification.

As a precautionary measure, the Mercedes-Benz service organization will renew the engagement hooks on the affected cable duct with expanding rivets.

Pursuant to 49 C.F.R. § 577.11(e), Daimler Vans does not plan to provide notice about pre-notice reimbursement to owners since all involved vehicles are covered under the new vehicle warranty.

How Remedy Component Differs from Recalled Component : As a precautionary measure, the Mercedes-Benz service organization will replace the engagement hooks of the affected cable duct with expanding rivets.

Identify How/When Recall Condition was Corrected in Production : When Mercedes Benz identified the potential issue, vehicles still located at the plant were checked and corrected as needed with expanding rivets. In June 2021, the production plants began using a new cable duct for the starter wiring harness, to assure sufficient distance between the wiring harness and the transmission carrier.

Recall Schedule :

Description of Recall Schedule : Owners will be notified approximately one week after the recall launches to dealers. Dealers will be notified of the pending voluntary recall campaign in the next several weeks, likely in October 2021. A copy of all dealer communications will be provided to NHTSA.

Planned Dealer Notification Date : OCT 27, 2021 - OCT 27, 2021

Planned Owner Notification Date : NOV 03, 2021 - NOV 03, 2021

* NR - Not Reported