

Part 573 Safety Recall Report

20V-802

Manufacturer Name : Daimler Vans USA, LLC

Submission Date : JUN 17, 2021

NHTSA Recall No. : 20V-802

Manufacturer Recall No. : VS3BREPB



Manufacturer Information :

Manufacturer Name : Daimler Vans USA, LLC

Address : One Mercedes-Benz Drive
Sandy Springs GA 30328

Company phone : 854-888-3374

Population :

Number of potentially involved : 9,094

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2020 MERCEDES BENZ SPRINTER

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : VAN

Power Train : NR

Descriptive Information : Based on the analysis of the production information, the affected population was determined to be Sprinter vehicles (VS30, Platform 907) produced from May 29, 2018 to December 16, 2020, which are equipped with an electrical parking brake.

Production Dates : MAY 29, 2018 - DEC 16, 2020

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2019-2020 FREIGHTLINER SPRINTER

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : VAN

Power Train : NR

Descriptive Information : Based on the analysis of the production information, the affected population was determined to be Sprinter vehicles (VS30, Platform 907) produced from May 29, 2018 to December 16, 2020, which are equipped with an electrical parking brake.

Production Dates : MAY 29, 2018 - DEC 16, 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 and Freightliner vans, has determined that on certain Sprinter vehicles from platform 907 (VS30) equipped with an electrical parking brake (EPB), if the EPB is used frequently, then over time, the brake caliper of the rear axle may leak brake fluid into the housing of the electric parking brake connected to the rear axle service brake system and could allow air to enter the hydraulic brake system. This could lead to extended brake pedal travel and a changed brake pedal feel.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the brake caliper leaks at the rear axle and air has intruded the hydraulic system, over time, this could lead to a change in brake pedal feel for the driver and extended brake pedal travel. If the condition is not addressed, there may be an increased risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : The driver may observe the condition due to a gradually increased extended brake pedal travel and a soft brake pedal feeling.

Involved Components :

Component Name 1 : BRAKE CALIPER

Component Description : BRAKE CALIPER REAR AXLE LEFT HAND VARIANT

Component Part Number : A9074231100

Component Name 2 : BRAKE CALIPER

Component Description : BRAKE CALIPER REAR AXLE RIGHT HAND VARIANT

Component Part Number : A9074231200

Component Name 3 : BRAKE CALIPER

Component Description : BRAKE CALIPER REAR AXLE RIGHT HAND VARIANT

Component Part Number : A9074234900

Component Name 4 : BRAKE CALIPER

Component Description : BRAKE CALIPER ON REAT AXLE LEFT HAND VARIANT

Component Part Number : A9074236700

Component Name 5 : BRAKE CALIPER

Component Description : BRAKE CALIPER ON REAR AXLE RIGHT HAND VARIANT

Component Part Number : A9074236800

Supplier Identification :

Component Manufacturer

Name : Brembo S.p.A.

Address : VIA BREMBO 25
CURNO(BURGAMO) Foreign States

Country : Italy

Chronology :

PLEASE SEE ATTACHED DOCUMENT

Description of Remedy :

Description of Remedy Program : Mercedes-Benz customers affected by this measure will be informed about the recall and the necessary next steps in writing and will receive ahead notice through the interim customer notification.

MBAG has developed a final technical remedy with its supplier. The Mercedes-Benz service organization will replace the rear-axle brake calipers of affected vehicles with a new version with optimized sealing. Moreover, as an additional precautionary measure, MBAG has developed an in-vehicle warning to advise the operator that the parking brake operation is approaching its endurance limit. This in-vehicle warning is not expected to illuminate under typical use conditions. As a precautionary measure, the Mercedes-Benz service organization will perform this software update to all affected vehicles.

As soon as a remedy is available, customers will be informed with a final owner notification letter.

A service bulletin will be provided to dealers and the service network to instruct them how to adequately address any related customer complaint in the interim. This repair will also be provided free of charge.

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 remain covered under the new vehicle warranty.

How Remedy Component Differs from Recalled Component : MBAG has developed a final technical remedy with its supplier. Upon availability, the Mercedes-Benz service organization will replace the rear-axle brake calipers of affected vehicles with a new version with optimized sealing. Additionally, the supplier has undertaken process optimizations in its production processes, including sub-suppliers.

Moreover, as an additional precautionary measure, MBAG has developed an in-vehicle warning to advise the operator that the parking brake operation is approaching its endurance limit. This in-vehicle warning is not expected to illuminate under typical use conditions.

As a precautionary measure, the Mercedes-Benz service organization will perform this software update to all affected vehicles.

Identify How/When Recall Condition was Corrected in Production : The vehicles still in plant access were blocked as an immediate measure until an optimized system is available in production. The equipment code for the electric parking brake is currently blocked, which means that vehicles with EPB will not be produced in the interim. Series manufacturing will resume as soon as the corrective measures, similar like the ones for vehicles in the field, will be available.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign approx. in February 2021 . A copy of all communications will be provided when available.

Amendment Due to global part shortage, the estimated date of launch is expected to be in December 2021.

Planned Dealer Notification Date : JAN 21, 2021 - JAN 21, 2021

Planned Owner Notification Date : JAN 21, 2021 - JAN 21, 2021

* NR - Not Reported