

Part 573 Safety Recall Report

22V-482

Manufacturer Name : Daimler Vans USA, LLC**Submission Date :** AUG 09, 2022**NHTSA Recall No. :** 22V-482**Manufacturer Recall No. :** VS2LASTRE**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 : 24,359

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2016-2018 Mercedes-Benz Metris

Vehicle Type : LIGHT VEHICLES

Body Style : VAN

Power Train : GAS

Descriptive Information : The subject vehicles are fitted with P-metric tires for installation. When P-metric tires are used in MPV, truck, bus or trailers, FMVSS 110, 4.2.2.2 provides that each tire's maximum load rating is to be reduced by 1.10 before the manufacturer determines the maximum load ratings of the tires fitted to each axle.

The subject vehicles were certified with a maximum load rating for each tire of 775 kg (1708 pounds) or 1,550 kg (3417 pounds) combined, per axle. Under the procedure in FMVSS 110, S4.2.2.2, after reducing the maximum load rating by 1.1, the P-metric tires on the subject vehicles would have had a maximum load rating of 750 kg (1636 pounds) per tire and 1500 kg (3307 pounds) per axle. This value is slightly (50 kg or 110 pounds) below the GAWR for the front and rear axles.

According to specification, these tires are to be operated at a minimum pressure of 2.7 bar. Accordingly, they have a tire pressure reserve of 9% and a payload reserve of 6.5% at 1,550 kg axle load (1650 kg to 1550 kg) instead of the specified 10%.

Production Dates : MAR 31, 2015 - SEP 29, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Noncompliance :**

Description of the Noncompliance : Mercedes-Benz AG ("MBAG"), the manufacturer of Mercedes-Benz vans, has determined that in certain Mercedes-Benz Metris vehicles (Platform 447) the sum of the maximum load ratings of the tires may exceed the permissible maximum axle load rating pursuant to FMVSS 110, S4.2.2.2.

FMVSS 1 : 110 - Tire selection and rims

FMVSS 2 : NR

Description of the Safety Risk : Overloading over time could cause an excessive tire wear and in a worst case scenario, could lead to tire failure, increasing the risk of a crash.

Description of the Cause : The design of the VS20 NAFTA tires was carried out jointly with tire supplier Continental according to European Tire and Rim Technical Organization ("ETRTO") specifications. Due to an oversight, a 1.10 reduction on each tire's maximum load rating was not applied before the maximum load rating was set for vans distributed in the United States.

Identification of Any Warning that can Occur : If the tires were to experience a loss of tire pressure, the driver would be quickly alerted to this condition by the TPMS warning signal in the instrument cluster and could take appropriate mitigation measures.

Involved Components :

Component Name 1 : Tire

Component Description : Tire

Component Part Number : 225/55/R17RF 101H

Component Name 2 : Label-B Pillar

Component Description : Wheel/Tire Information

Component Part Number : A4475849601

Component Name 3 : Label-Fuel Filler Flap

Component Description : Tire Pressure/Size

Component Part Number : A9065846638

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

The design of the VS20 NAFTA tires was carried out jointly with tire supplier Continental according to European Tire and Rim Technical Organization (“ETRTO”) specifications. Due to an oversight, a 1.10 reduction on each tire’s maximum load rating was not applied before the maximum load rating was set for vans distributed in the United States.

Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz Metris dealer will replace the tire information label on the B-pillar and fuel filler door. Dealers will also check the tires on the vehicle to verify that they are the correctly specified tires. If the tires on the vehicle are of a lower rating than what is specified in the Operator’s Manual, the tires will be replaced with new tires having the specified load rating. This repair will be done free of charge.

How Remedy Component Differs from Recalled Component : Remedy labels include the correct tire load information. Replacement tires, if necessary, will have the specified load rating.

Identify How/When Recall Condition was Corrected in Production : The maximum axle load rating was changed to 1,500 kg (3307 pounds) in series production on 09/28/2018. From this date the requirements of FMVSS 110, S4.2.2.2 are fulfilled in series production.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the pending voluntary recall campaign beginning in August 2022. Copies of communications will be provided when available.

Planned Dealer Notification Date : AUG 22, 2022 - AUG 22, 2022

Planned Owner Notification Date : AUG 29, 2022 - AUG 29, 2022

* NR - Not Reported