

Part 573 Safety Recall Report

25V-295

Manufacturer Name : Daimler Trucks North America, LLC

Submission Date : MAY 07, 2025

NHTSA Recall No. : 25V-295

Manufacturer Recall No. : F1019



Manufacturer Information :

Manufacturer Name : Daimler Trucks North America, LLC

Address : 4747 N. Channel Avenue
Portland OR 97217-3849

Company phone : 800-745-8000

Population :

Number of potentially involved : 68

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2025-2025 Freightliner Cascadia

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population includes certain model year 2025 Freightliner Cascadia, Business Class M2, 114SD and model year 2025 Western Star 49X vehicles configured with combined air reservoir volume less than 12:1 ratio of brake chamber volume. The population was determined based on a review of production records. Vehicles outside the recall population have sufficient air reservoir volumes.

Production Dates : OCT 29, 2024 - OCT 29, 2024

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2025-2025 Freightliner Business Class M2

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population includes certain model year 2025 Freightliner Cascadia, Business Class M2, 114SD and model year 2025 Western Star 49X vehicles configured with combined air reservoir volume less than 12:1 ratio of brake chamber volume. The population was determined based on a review of production records. Vehicles outside the recall population have sufficient air reservoir volumes.

Production Dates : JUN 03, 2024 - DEC 02, 2024

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 : 2025-2025 Freightliner 114 SD
Vehicle Type :
Body Style : OTHER
Power Train : DIESEL

Descriptive Information : The recall population includes certain model year 2025 Freightliner Cascadia, Business Class M2, 114SD and model year 2025 Western Star 49X vehicles configured with combined air reservoir volume less than 12:1 ratio of brake chamber volume. The population was determined based on a review of production records. Vehicles outside the recall population have sufficient air reservoir volumes.

Production Dates : OCT 30, 2024 - NOV 15, 2024
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 4 : 2025-2025 Western Star 49X
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES
Body Style : OTHER
Power Train : DIESEL

Descriptive Information : The recall population includes certain model year 2025 Freightliner Cascadia, Business Class M2, 114SD and model year 2025 Western Star 49X vehicles configured with combined air reservoir volume less than 12:1 ratio of brake chamber volume. The population was determined based on a review of production records. Vehicles outside the recall population have sufficient air reservoir volumes.

Production Dates : OCT 21, 2024 - NOV 21, 2024
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Description of Noncompliance :

Description of the Noncompliance : Certain model year 2025 Freightliner Cascadia, Business Class M2, 114SD and model year 2025 Western Star 49X vehicles fail to conform to the Federal Motor Vehicle Safety Standard No. 121, Air Brake Systems. The provision at S5.1.2.1 requires the combined volume of all service reservoirs and supply reservoirs to be at least 12 times the combined volume of all service brake chambers. The affected vehicles may have been inadvertently produced with service and supply reservoirs total volumes that do not have at least a 12:1 ratio reservoir capacity to the combined volume of all service brake chambers.

FMVSS 1 : 121 - Air brake systems
FMVSS 2 : NR

Description of the Safety Risk : On the affected vehicles, an insufficient capacity to volume ratio can affect service brake performance if several brake applications are required over a short period. This may result in reduced brake effectiveness could increase the risk of a vehicle crash.

Description of the Cause : NR

Identification of Any Warning : Low air warning telltale would illuminate before reduced brake effectiveness that can Occur : would occur.

Involved Components :

Component Name 1 : Air Tank

Component Description : Air Tank

Component Part Number : 12-18860-000

Component Name 2 : Air Tank

Component Description : Air Tank

Component Part Number : 12-18860-001

Component Name 3 : Air Tank

Component Description : Air Tank

Component Part Number : 12-23973-001

Component Name 4 : Air Tank

Component Description : Air Tank

Component Part Number : 12-24693-000

Component Name 5 : Air Tank

Component Description : Air Tank

Component Part Number : 12-24725-000

Supplier Identification :

Component Manufacturer

Name : Daimler Truck North America

Address : 4747 N. Channel Avenue

Portland Oregon 97217
Country : United States

Chronology :

In and around early April 2025, DTNA identified an issue related to the tool used to verify air tank capacity and initiated a product investigation. DTNA’s review of vehicle specifications and volume calculations revealed a potential issue relating to air chamber and air tank sizing requirements where certain vehicles may have been produced with an undersized air reservoir capacity in relation to brake chamber volume which would not meet the requirements of FMVSS 121, S5.1.2.1. DTNA also identified that the verification tool intended to send automatic alerts in the event of insufficient air capacity was not performing as intended. On April 30, 2025, out of an abundance of caution, DTNA decided to conduct a recall for this issue. No field reports, customer complaints, or warranty claims have been found relating to this issue, and there are no known accidents, injuries, or deaths related to it.

Description of Remedy :

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| Description of Remedy Program : | DTNA is preparing the remedy which is currently under development. Repairs will be performed by Daimler Trucks North America authorized service facilities. Copies of the reimbursement plan will be submitted as a supplemental report when available. |
| How Remedy Component Differs from Recalled Component : | NR |
| Identify How/When Recall Condition was Corrected in Production : | NR |

Recall Schedule :

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| Description of Recall Schedule : | Customer notification will be made by first class mail using Daimler Trucks North America records to determine the customers affected. |
| Planned Dealer Notification Date : | MAY 27, 2025 - MAY 27, 2025 |
| Planned Owner Notification Date : | JUL 06, 2025 - JUL 06, 2025 |

* NR - Not Reported