

Defect / Noncompliance Information Report

(Section 573.6)

FL-941

Date of Submission: June 28, 2022 (Amended)

Manufacturer: Daimler Truck North America LLC
P.O. BOX 3849
Portland, Oregon 97208

Type of Report: Safety Defect Non-Compliance

Vehicle Information

Model Yr. Start: 2022

Model Yr. End: 2022

Make: Freightliner

Model: Cascadia

Production Dates: **Begin:** October 28, 2021 **End:** December 17, 2021

Descriptive Information:

Specific vehicles with a limited production braking system.

Basis for Determination of the Recall Population:

All Specific limited production vehicles with this design are included.

Number potentially involved: 17

Estimated percentage of involved with defect: 100%

Defect / Noncompliance Description

For this Defect/Noncompliance:

Describe the defect or noncompliance:

In certain specific scenarios where the primary brake system loses functionality and at the same time, the redundant braking system fails, two unlikely events that would need to occur independently and simultaneously, there is the possibility that the emergency braking system would not engage.

Describe the safety risk:

If the emergency braking system does not engage when it is required, loss of braking ability may occur which increases the risk of a crash.

Identify any warning which can precede or occur:

An amber warning light and a low air indicator will both appear on the dash when braking systems are not functioning properly.

If applicable, identify the manufacture of the defective or noncompliant component.:

Bendix Commercial Vehicle Systems, LLC

3550 Chester Road

Avon OH 44011

1-440-329-9000

Involved Components

Component Name: *Valve*

Component Description: *Double check valve*

Component Part Number: *BW 278614*

Chronology of Defect / Noncompliance Determination

Provide the chronology of events leading up to the defect decision or test data for the noncompliance decision:

In calendar year 2021, DTNA theorized that a failure of two independent systems at the same time could cause some lack of brake functionality but considered the likelihood of occurrence so low as to not present an unreasonable risk to motor vehicle safety. In February 2022, DTNA was able to create the simultaneous occurrence of those two failures on a test vehicle, with no accident occurring. DTNA promptly began an investigation of the regulatory and safety impacts. At that time, DTNA determined that the system is compliant with all applicable regulations, including (but not limited to) the emergency brake provisions of FMVSS 121. DTNA considered various safety modes of operation. To the best of DTNA's knowledge, there are zero warranty claims and zero field reports concerning this issue. DTNA is not aware of any death or injury related to this issue. On June 15, 2022, DTNA decided that, although the likelihood of the dual-simultaneous occurrences being extremely low, that out of an abundance of caution DTNA would perform a voluntary safety recall campaign for this very specific group of vehicles.

Identify the Remedy

Describe the defect/noncompliance remedy program, including the manufacture's plan for reimbursement.

A double check valve will be added to all vehicles. Repairs will be performed by Daimler Truck North America authorized service facilities. Daimler Truck North America shall be offering a refund for owner-paid repairs covered by this recall if the repair was performed prior to the date indicated in the reimbursement plan, which will be posted with owner's notification letter. Owners are directed to seek reimbursement through authorized dealers.

Identify the Recall Schedule

Describe the recall schedule for notifications.:

Customer notification will be made by first class mail using Daimler Trucks North America records to determine the customers affected.

Planned Dealer Notification Begin Date: *August 21, 2022*

Planned Dealer Notification End Date: *August 21, 2022*

Planned Owner Notification Begin Date: *August 21, 2022*

Planned Owner Notification End Date: *August 21, 2022*

Does DTNA plan to file inconsequentiality petition? Yes No

Manufacturer's identification code for this recall (if applicable): *FL-941*

DTNA Representative;

Sam Geser

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Manager, Compliance and Regulatory Affairs