

Defect Information Report

(Section 573.6)

FL-936

Date of Submission: May 25, 2022

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:** 11/16/2021 **End:** 12/17/2021
Type: Truck/Tractor

Descriptive Information: Specific limited production vehicles that are equipped with a double check valve for towing or decking purposes.

Number potentially involved: 4 **Estimated percentage of involve with defect:** 100%

Defect Description

For Defect:

Describe the defect:

On a specific DTNA-owned truck used for testing purposes, the double check valve was found to be trapping air in the backup pneumatic air circuit under rare situations. Trapped air may cause unintended or prolonged service brake application, which may result in rear axle to lock while the vehicle is in motion. Out of an abundance of caution, DTNA is recalling the limited population of vehicles built to date with the same, unique valve configuration.

If a noncompliance, provide the applicable FMVSS: N/A

Describe the safety risk:

Rear axle locking up while the vehicle is in motion may result in generation of additional frictional force, which may cause the brake components to fail prematurely due to over time heat buildup. In rare cases, especially if the axle lock up is ignored by the driver, may increase the vehicle stopping distance, increasing the risk of a crash. As of today, DTNA is not aware of any incidents due to this defect,

Identify any warning, which can precede or occur: Brakes dragging, vibration and smelly brake components.

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

Involved Components

Component Name: Double Check Valve- Towing and Decking

Component Description: Pneumatic Valve

Component Part Number: BW 278614

Supplier Identification: N/A

Component Manufacturer: N/A

Chronology of Noncompliance Determination

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

On or about May 5, 2022, DTNA received a notification from its Engineering group that, while testing a specific DTNA owned vehicle that had not been sold to commerce, there was a situation that resulted in an unintended brake application. At that time, DTNA believed the issue to be an isolated occurrence on only one vehicle with unknown cause and unknown population. DTNA promptly began an investigation into that vehicle and other vehicles like it, which were produced in only a very limited production run. On or about May 16, DTNA determined that the occurrence could occur on the full population listed above on this 573 report. On or about May 18, 2022, after DTNA verified the limited population of vehicles potentially subject to the defect to the extent necessary to declare a recall and file a 573 report, out of abundance of caution, DTNA decided to conduct a voluntary safety recall campaign for

this very specific group of vehicles to remove the double check valve from the backup pneumatic circuit. As of today, DTNA is not aware of any incidents due to this defect.

Identify the Remedy

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

On the affected vehicles, the subject double check valve will be removed from the towing pneumatic circuit vehicles.

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. The 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 Truck North America records to determine the customer affected.

Planned Dealer Notification Begin Date:	<i>07/23/2022</i>
Planned Dealer Notification End Date:	<i>07/23/2022</i>
Planned Owner Notification Begin Date:	<i>07/23/2022</i>
Planned Owner Notification End Date:	<i>07/23/2022</i>

Manufacture's identification code for this recall (if applicable): FL-936

DTNA Representative;



Tiffani Torgeson
Manager, Compliance and Regulatory Affairs