

## Defect Information Report

(Section 573.6)

**FL-930**

**Date of Submission:** May 4, 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:** 2023  
**Make:** Western Star  
**Model:** 49X, 47X  
**Production Dates:**    **Begin:** 12/06/2021    **End:** 02/09/2022  
**Type:** Truck/Tractor

**Descriptive Information:** Fifteen vocational trucks that were given post-manufacturing re-work by a certain service provider at one particular DTNA manufacturing plant may have had caliper mounting bolts incorrectly torqued.

**Number potentially involved:** 15    **Estimated percentage of involve with defect:** 7%

### Defect / Noncompliance Description

**For this Defect/Noncompliance:**

**Describe the defect or noncompliance:**

Potential of improperly installed caliper mounting bolts that may detach over time with vehicle operation.

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

**Describe the safety risk:**

Insufficiently torqued bolts may not provide adequate clamping force between the brake caliper and brake anchor plate potentially resulting in reduced brake effectiveness. Reduced brake effectiveness could lead to a vehicle crash.

**Identify any warning, which can precede or occur:** In some cases, loose caliper bolts may result in slight brake pull. Furthermore, loss of required clamp load may cause the brake caliper to come loose, leading to vibration and noise along with braking.

**If applicable, identify the manufacture of the defective or noncompliant component:** N/A

**Involved Components**

**Component Name:** Caliper Mounting Bolts

**Component Description:** Brake Calipers

**Component Part Number:** Multiple

**Supplier Identification:****Component Manufacturer:**

*Name: Meritor*

*Address: 801 Railroad Ave, York, SC 29745*

*Country: US*

**Chronology of Defect / Noncompliance Determination**

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

On April 14<sup>th</sup> 2022, while reviewing warranty claims on caliper mounting bolts, DTNA found a claim for one vehicle, which indicated that three caliper mounting bolts of right rear drive axle missing. DTNA notified the axle assembly supplier and promptly began a plant inspection. Recognizing that the vehicle in question was a part of a small subset of vehicles subject to a post-manufacturing suspension re-work process that involved a particular service provider removing brake caliper mounting bolts, DTNA inspected all of the other vehicles subject to that process that remained in DTNA's possession. The inspection identified no other vehicles with an under torqued mounting bolt.

Promptly in April 22, DTNA began an extensive fact-finding investigation, during which the axle assembly supplier shared records indicating good torque values for the one vehicle found to have loose bolts. These records allowed DTNA to narrow down the suspect population to the one vehicle in question and fourteen others, subject to the same suspension re-work process that involved a particular service provider removing brake caliper mounting bolts and to determine that the issue was not systemic within DTNA's manufacturing process.

On April 28<sup>th</sup> 22, out of an abundance of caution, DTNA decided to initiate a voluntary safety recall for vehicles identified as re-worked under this process by the particular service provider.

## Identify the Remedy

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

Suspect units will be inspected for proper torque of caliper mounting bolts and repaired accordingly. 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 Truck North America records to determine the customers affected.

<b>Planned Dealer Notification Begin Date:</b>	<i>07/02/2022</i>
<b>Planned Dealer Notification End Date:</b>	<i>07/02/2022</i>
<b>Planned Owner Notification Begin Date:</b>	<i>07/02/2022</i>
<b>Planned Owner Notification End Date:</b>	<i>07/02/2022</i>

**Manufacture's identification code for this recall (if applicable):** FL-930

**DTNA Representative;**



Tiffani Torgeson  
Manager, Compliance and Regulatory Affairs