

Part 573 Safety Recall Report

21V-018

Manufacturer Name : Daimler Trucks North America, LLC**Submission Date :** JAN 20, 2021**NHTSA Recall No. :** 21V-018**Manufacturer Recall No. :** FL-873**Manufacturer Information :****Population :**

Manufacturer Name : Daimler Trucks North America, LLC

Number of potentially involved : 133

Address : 4747 N. Channel Avenue

Estimated percentage with defect : 100 %

Portland OR 97217-3849

Company phone : 800-745-8000

Vehicle Information :

Vehicle 1 : 2021-2021 Western Star 4700

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Vehicles manufactured with a certain steering arm configuration with air disc brakes identified by the axle assembly supplier.

Production Dates : JUL 09, 2020 - JUL 09, 2020

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2021-2021 Freightliner Business Class M2

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Vehicles manufactured with a certain steering arm configuration with air disc brakes identified by the axle assembly supplier.

Production Dates : MAR 19, 2020 - AUG 17, 2020

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 3 : 2021-2021 Freightliner Cascadia

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Vehicles manufactured with a certain steering arm configuration with air disc brakes identified by the axle assembly supplier.

Production Dates : MAR 19, 2020 - AUG 13, 2020

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 4 : 2021-2021 Western Star 5700

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Vehicles manufactured with a certain steering arm configuration with air disc brakes identified by the axle assembly supplier.

Production Dates : JUL 23, 2020 - JUL 23, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2021-2021 Freightliner Custom Chassis XC Chassis

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Vehicles manufactured with a certain steering arm configuration with air disc brakes identified by the axle assembly supplier.

Production Dates : MAR 20, 2020 - AUG 13, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : A single caliper-mounting bolt may be under torqued. On certain vehicles, one of the six brake caliper mounting bolts on the driver side steer axle may be incorrectly torqued. This could result in surrounding caliper bolts to loosen.

FMVSS 1 : NR

FMVSS 2 : NR

Description of 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.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Caliper Mounting Bolt

Component Description : Caliper Mounting Bolt

Component Part Number : N/A

Supplier Identification :**Component Manufacturer**

Name : Axle assembler – Meritor, Inc
Address : 801 Railroad Ave
York South Carolina 29745
Country : United States

Chronology :

August – September 2020, DTNA truck manufacturing plant during a quality audit, a single loose caliper mounting bolt was identified. DTNA notified the axle assembly supplier and began a plant inspection. The inspection identified 8 of 148 vehicles with a under torqued mounting bolt in the same fastener location. During this analysis, the axle assembly supplier had identified a single operator not following the standard torquing procedures for one caliper mounting bolt on one configuration of axle, but it was unknown if this created a safety risk. October – December 2020, a performance study to understand the impact of that single loose bolt was performed by the caliper suppliers. The study indicated that if that bolt were loose, there would be a gradual loosening of the adjacent bolts over time. In reviewing this study, it was found that this was a worst-case scenario and may not be representative of typical customer use. January 14, 2021, out of abundance of caution and with no field reports or warranty of loose caliper bolts, DTNA decided to initiate a voluntary safety recall for vehicles identified by the axle assembly supplier equipped with air disc brakes and a certain steering arm configuration manufactured within the above reported dates.

Description of Remedy :

Description of Remedy Program : Potentially affected vehicles will be inspected and repaired as necessary. Repairs will be performed by Daimler Trucks North America authorized service facilities. Customer notification will be done by first class mail using Daimler Trucks North America records to determine the customers affected. Details of the reimbursement plan will be included in the owner's notification letter.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

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 : MAR 19, 2021 - MAR 19, 2021

Planned Owner Notification Date : MAR 19, 2021 - MAR 19, 2021

* NR - Not Reported