

Part 573 Safety Recall Report

21V-256

Manufacturer Name : Daimler Trucks North America, LLC**Submission Date :** APR 12, 2021**NHTSA Recall No. :** 21V-256**Manufacturer Recall No. :** FL-884**Manufacturer Information :****Population :**

Manufacturer Name : Daimler Trucks North America, LLC

Number of potentially involved : 17,822

Address : 4747 N. Channel Avenue

Estimated percentage with defect : 2 %

Portland OR 97217-3849

Company phone : 800-745-8000

Vehicle Information :

Vehicle 1 : 2021-2022 Freightliner Cascadia

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering arm bolts (N308676020025).

Production Dates : JAN 12, 2021 - APR 06, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2021-2022 Freightliner Business Class M2

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering arm bolts (N308676020025).

Production Dates : JAN 12, 2021 - APR 06, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2021-2022 Western Star 4700

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering arm bolts (N308676020025).

Production Dates : JAN 12, 2021 - APR 06, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 4 : 2021-2022 Western Star 4900

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering arm bolts (N308676020025).

Production Dates : JAN 12, 2021 - APR 06, 2021

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 5 : 2021-2022 Western Star 5700

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering arm bolts (N308676020025).

Production Dates : JAN 12, 2021 - APR 06, 2021

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 6 : 2021-2022 Freightliner 114SD

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering arm bolts (N308676020025).

Production Dates : JAN 12, 2021 - APR 06, 2021

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 7 : 2021-2022 Freightliner 108SD

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering arm bolts (N308676020025).

Production Dates : JAN 12, 2021 - APR 06, 2021

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 8 : 2021-2022 Freightliner 122SD

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering arm bolts (N308676020025).

Production Dates : JAN 12, 2021 - APR 06, 2021

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 9 : 2021-2022 Freightliner Custom Chass S2 Chassis

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering arm bolts (N308676020025).

Production Dates : JAN 12, 2021 - APR 06, 2021

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 10 : 2021-2022 Freightliner Custom Chass XB Chassis

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering arm bolts (N308676020025).

Production Dates : JAN 12, 2021 - APR 06, 2021

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 11 : 2021-2022 Freightliner Custom Chass XC Chassis

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering arm bolts (N308676020025).

Production Dates : JAN 12, 2021 - APR 06, 2021

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 12 : 2021-2022 Freightliner Custom Chass MT Chassis

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering arm bolts (N308676020025).

Production Dates : JAN 12, 2021 - APR 06, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : Suspect bolts used to assemble Detroit front axle assemblies have a lengthwise "seam" defect potentially leading to bolt failure.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Single bolt fracture may lead to decrease in steering response and both bolts failing would lead to complete loss of steering/directional control of the vehicle.

Description of the Cause : NR

Identification of Any Warning that can Occur : Decrease in steering response

Involved Components :

Component Name 1 : Steering Arm Bolt, Tie Rod Bolt

Component Description : NR

Component Part Number : N308676020025, N308676020022

Supplier Identification :

Component Manufacturer

Name : Cold Heading Company

Address : 21777 Hoover Rd
Warren 48089

Country : United States

Chronology :

Late February, 2021, despite having no warranty claims nor other indications of failures on customer vehicles, DTNA axle assembly plant reported tie rod bolt and steering arm bolt quality concerns and began containment. Quality alert was issued for axle assembly plant locations. Early March, 2021 DTNA defined suspect bolt lots and cleared inventory. Suspect bolts were sent to supplier for additional analysis. Late March, 2021, DTNA received initial metallurgical report for supplier showing potential for long term fatigue failure. Discussions with supplier ongoing. Early April 2021, even though DTNA is not aware of any field failures related to this concern, DTNA decided to conduct a voluntary safety recall while continuing to investigate the population.

Description of Remedy :

Description of Remedy Program : Tie rod arm bolts and steering arm bolts will be replaced. Repairs will be performed by Daimler Trucks North America authorized service facilities. 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 : JUN 10, 2021 - JUN 10, 2021

Planned Owner Notification Date : JUN 10, 2021 - JUN 10, 2021

* NR - Not Reported