

Part 573 Safety Recall Report

21E-029

Manufacturer Name : Daimler Trucks North America, LLC

Submission Date : APR 16, 2021

NHTSA Recall No. : 21E-029

Manufacturer Recall No. : FL-884



Manufacturer Information :

Manufacturer Name : Daimler Trucks North America, LLC

Address : 4747 N. Channel Avenue
Portland OR 97217-3849

Company phone : 800-745-8000

Population :

Number of potentially involved : 172

Estimated percentage with defect : 2 %

Equipment Information :

Brand / Trade 1 : Detroit

Model : Model 2

Part No. : Axle

Size : NR

Function : NR

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

Production Dates : JAN 07, 2021 - MAR 15, 2021

Brand / Trade 2 : Detroit

Model : Model 3

Part No. : Axle

Size : NR

Function : NR

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

Production Dates : JAN 07, 2021 - MAR 15, 2021

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

Description of the Safety Risk : 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 : 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 Michigan 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. April 14, 2021 after additional review of suspect axles it was found that there was a population of axles that we supplied to other OEMs, so on April 16, 2021 DTNA filed an equipment recall for these additional axles.

Description of Remedy :

Description of Remedy Program : Tie rod arm bolts and steering arm bolts will be replaced. Details of the reimbursement plan will be included in the manufacturer'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 : Manufacturer notification will be made by first class mail using Daimler Trucks North America records to determine the manufacturers affected.

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

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

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR

Address : NR

NR

Country : NR

Company Phone : NR

* NR - Not Reported