

# DAIMLER TRUCK

## North America

### Amended Defect Information Report

(Section 573.6)

**FL970**

**Date of Submission:** April 7, 2023 (April 03, 2023)

**Manufacturer:** Daimler Truck North America LLC  
P.O. BOX 3849  
Portland, Oregon 97208

**Type of Report:**  Safety Defect  Non-Compliance

#### Vehicle Information

Make	Model	Model Yr. Start	Model Yr. End	Prod. Begin Date	Prod. End Date
Freightliner	108SD	2023	2023	02/22/2022	04/12/2022
	114SD	2023	2023	01/26/2022	09/15/2022
	M2 106	2023	2023	01/26/2022	09/27/2022
	Cascadia	2023	2023	01/31/2022	08/01/2022
Western Star	4700	2023	2023	01/26/2022	04/28/2022
	4900	2023	2023	03/11/2022	05/16/2022
	47X	2023	2023	02/10/2022	09/14/2022
	49X	2023	2023	02/01/2022	07/13/2022
Freightliner Custom Chassis	MT45G	2022	2022	01/13/2022	10/14/2022
	MT50E	2022	2023	04/27/2022	05/31/2022
	MT55	2022	2023	01/13/2022	08/17/2022
	S2RV Chassis	2022	2023	01/27/2022	08/03/2022
	S2C 106	2022	2022	02/04/2022	02/04/2022
	XCM Chassis	2023	2023	02/03/2022	08/22/2022
	XCR Chassis	2023	2023	02/25/2022	05/23/2022
XCS Chassis	2023	2023	01/22/2022	03/09/2022	
Thomas Built Buses (Non-School Bus)	C2	2023	2023	04/04/2022	04/04/2022

**Descriptive Information:** Front steering axles potentially missing tie rod castle nut cotter-pin.

**Basis for Determination of the Recall Population:** Suspect population of front steering axles without production torque data and photo evidence of cotter pin in-place following rework operations, suspect vehicles built within the listed production date ranges.

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**Number potentially involved:** 306

**Estimated percentage of involved with defect:** 1%

### **Defect Description**

#### **For this Defect:**

On the affected vehicles, front steer axle tie rod castle nut cotter pin may be missing from the assembly.

#### **Describe the safety risk:**

On the affected vehicles, the steer axle tie rod castle nut cotter-pin may be missing. This may result in the castle nut backing off and displacement of the taper-end from the steering arm. This may result in a loss of steering response and lack of direction control increasing the risk of crash.

#### **Identify any warning which can precede or occur:**

Driver may experience some additional free-play in the steering and/or feel an improper steering alignment.

#### **If applicable, identify the manufacture of the defective or noncompliant component:**

Daimler Truck AG  
Detroit Diesel Corporation

### **Involved Components**

**Component Name:** Front Steer Axle

**Component Description:** Tie rod castle nut cotter-pin

**Component Part Number:** F2-Model 2, F3-Model 3 and F5-Model 5 front steer axles

**Component's country of origin:** US

**Business address:** 13400 Outer Dr W, Detroit, MI 48239

#### **Business Contact Information:**

**First / Last Name:** Alayna Bissett

**Position:** Compliance

**Email:** alayna.bissett@daimlertruck.com

**Phone:** (313) 333-3056

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### **Chronology of Defect / Noncompliance Determination**

Mid-February 2023, DTNA received a report on an incident involving failed tie rod assembly and opened a preliminary investigation. Upon returned failed part analysis, it was determined that the driver's side tie rod disengaged from the steering arm during low speed maneuvering. Around late February 2023 through early March 2023, DTNA identified that the subject vehicle experiencing the failure, was re-worked at a different station due to certain requirements, and was not manufactured through standard process involving multiple inspection points. In about mid-March 2023, DTNA identified a population of certain axles, that were manufactured at a rework station. DTNA opened an official investigation immediately following receiving this notice of a possible presence of a defect, and on March 29, 2023, out of an abundance of caution, DTNA decided to initiate a new voluntary safety recall to campaign all the listed vehicles. As of March 31st 2023, DTNA is aware of 1 field report and 0 warranty claims related to missing front steer axle tie rod castle nut cotter pin. DTNA is not aware of any accidents or injuries due to this defect condition. On April 7 2023, DTNA finalized the affected population after further determining precise vocational application of the vehicles.

### **Identify the Remedy**

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

DTNA is preparing remedy and is currently under development. Repairs will be performed free of charge by Daimler Truck North America authorized service facilities. Details of the reimbursement plan will be included in the owner's notification letter. Owners are directed to seek reimbursement through authorized deal.

### **Identify the Recall Schedule**

**Describe the recall schedule for notifications.:**

Customer notification will be made by first class mail using Daimler Trucks North America records to determine the customers affected.

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**Planned Dealer Notification Begin Date:** 06/04/2023  
**Planned Dealer Notification End Date:** 06/04/2023  
**Planned Owner Notification Begin Date:** 06/04/2023  
**Planned Owner Notification End Date:** 06/04/2023

**Does DTNA plan to file inconsequentiality petition?**  Yes  No

**Manufacturer's identification code for this recall (if applicable):** FL970

**DTNA Representative;**

*Tiffani Torgeson*

Tiffani Torgeson  
Manager, Compliance and Regulatory Affairs