

Defect / Noncompliance Information Report

(Section 573.6)

FL-944

Date of Submission: June 28, 2022; amended January 20, 2023

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: Freightliner Custom Chassis Corporation (FCCC)

Model: MT50e Walk-In Van

Production Dates: **Begin:** October 18, 2021 **End:** June 24, 2022

Descriptive Information: *Supplier alerted FCCC that they had experienced a failure during product validation testing for the MT50e electric axle (E-axle). Supplier discovered a fractured park pawl after completing a sever portion of their test course. If the park pawl is fractured, it could result in a false park. This could potentially impacts MT50e Walk-in vans built during the Pre-series phase of production.*

NOTE:

- *Identify by body style or type. – MT50e, electric walk-in van*

Basis for Determination of the Recall Population: At the current time, all MT50e electric walk-in vans built during the pre-series phase, with start dates October 18, 2021 to June 24, 2022 are included in the recall population. However, as DTNA continues to investigate, the population may be decreased. The supplier of the E-Axle notified DTNA of the specific part with a potential defect.

Number potentially involved: 25

Estimated percentage of involved with defect: 100%

Defect / Noncompliance Description

For this Defect/Noncompliance:

Describe the defect or noncompliance:

MT50e electric walk-in vans are equipped with a DANA E-Axle with an internal spring holding the park pawl. Out of an abundance of caution, the supplier, while conducting product validation testing, discovered that after a severe portion of their test course, that a parking pawl was fractured. After the test results, the supplier tested again, at a lower speed, and discovered galling and damage to the pawl at the engagement site. A broken or damaged pawl could potentially result in the vehicle being set to park but roll away without the drivers intent if the parking brake is not set, contributing to an increased risk for crash or injury.

Describe the safety risk:

Failure mode could result in an unintended vehicle roll away if the parking brake is not set.

Identify any warning which can precede or occur:

Suspected potential for noise or feel from supplier statement, but not guaranteed and may be indistinguishable. Driver may also notice an absence of engaging gear sound from parking brake (actuation sound would still be present), but this is not guaranteed, would require drivers attention to small details.

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

Dana Incorporated: Maumee, OH

Involved Components

Component Name: DANA SPICER ES9000R S130

Component Description: E-AXLE-DANA,ES9000R

Component Part Number: DNA10170287

Component's country of origin: United States

Business address: 3939 Technology Dr, Maumee, OH 43537

Business telephone number: 1-419-340-0377

Chronology of Defect / Noncompliance Determination

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

June 23, 2022, DANA (supplier) sent a document alerting DTNA of possible safety concern related to damage to a park pawl during product validation testing. DTNA promptly began an investigation; no warranty claims or other communications were found for this type of failure. June 27, 2022, out of an abundance of caution, DTNA decided to conduct a voluntary recall on MT50e Walk-In vans. On 6/29/2022 DTNA identified an inaccuracy in the description of the potentially affected population and has updated the filing. On 7/5/2022, DTNA, in response to NHTSA feedback, updated the remedy program. DTNA became aware of the possibility that units were not placed on hold at Freightliner Custom Chassis Corporation (FCCC), on or about July 6, 2022. Nine additional units were identified as a result. DTNA worked with FCCC to ensure the remaining vehicles were placed on hold and promptly as part of the updated defect report. In September 2022, DTNA revised the Model Years covered by the recall to match Owner's Notification Letter information.

Identify the Remedy

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

FCCC will coordinate delivery of vehicles to repair facilities certified to work on electric vehicles, where the Dana e-Axle housing and drive motor will be replaced. 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 Trucks North America records to determine the customers affected.

Planned Dealer Notification Begin Date: *February 3, 2023*

Planned Dealer Notification End Date: *February 3, 2023*

Planned Owner Notification Begin Date: *February 3, 2023*

Planned Owner Notification End Date: *February 3, 2023*

Does DTNA plan to file inconsequentiality petition? Yes No

Manufacturer's identification code for this recall (if applicable): *FL-944*

DTNA Representative;

Tiffani Torgeson

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Manager, Compliance and Regulatory Affairs