

Part 573 Safety Recall Report

23V-467

Manufacturer Name : Daimler Trucks North America, LLC**Submission Date :** OCT 17, 2023**NHTSA Recall No. :** 23V-467**Manufacturer Recall No. :** FL979**Manufacturer Information :****Population :**

Manufacturer Name : Daimler Trucks North America, LLC

Number of potentially involved : 82

Address : 4747 N. Channel Avenue

Estimated percentage with defect : 100 %

Portland OR 97217-3849

Company phone : 800-745-8000

Vehicle Information :

Vehicle 1 : 2023-2024 Freightliner eCascadia

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : 2-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The recall population includes MY 2023-2024 Freightliner eCascadia electric vehicles built with an e-axle(s) produced within a specific production period. These e-axes may have insufficiently welded planetary gear sets. Vehicles outside the population do not have planetary gear sets produced during the suspect time period.

Production Dates : JAN 19, 2023 - APR 13, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The affected vehicles may be equipped with one or more e-axes, depending on the configuration of the vehicle. Within each e-axle assembly, a planetary gear set is located between the e-motor and the final drive. Due to a deviation in the supplier's welding process during a specific time frame, certain planetary gear sets may have been insufficiently welded to the base plate and could fracture when exposed to high levels of torque and/or significant road surface vibrations. If a fracture occurs at the weld seam, the connection between the e-motor and the final drive can separate without warning to the driver.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the connection between the e-motor and final drive separates, torque cannot be transferred to the drive wheels which can result in an undetectable and sudden loss of motive power and without the ability to restart the vehicle, thereby increasing the risk of a crash.

Description of the Cause : Insufficient welding of planetary gear set to the baseplate.

Identification of Any Warning N/A
that can Occur :

Involved Components :

Component Name 1 : E-axle Assembly Planetary gear set

Component Description : Electric axle

Component Part Number : D746381

Component Name 2 : E-axle assembly Planetary gear set

Component Description : Electric axle

Component Part Number : D746383

Component Name 3 : E-axle Assembly Planetary gear set

Component Description : Electric axle

Component Part Number : D746384

Supplier Identification :

Component Manufacturer

Name : Mercedes-Benz Hedelfingen

Address : Am Ostkai 53
Stuttgart Foreign States 70329

Country : Germany

Chronology :

Refer attached chronology document.

Description of Remedy :

Description of Remedy Program : DTNA will replace the e-axle(s) on your vehicle. Once available, the remedy 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 for pre-recall notification repairs through authorized dealers.

How Remedy Component Differs from Recalled Component : The remedy component will have planetary gear sets that are sufficiently welded to the baseplate.

Identify How/When Recall Condition was Corrected in Production : The supplier made adjustments to the welding process so that parts produced after March 3, 2023, were sufficiently welded.

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 : SEP 03, 2023 - SEP 03, 2023

Planned Owner Notification Date : SEP 03, 2023 - SEP 03, 2023

* NR - Not Reported