

Part 573 Safety Recall Report

24V-509

Manufacturer Name : Daimler Trucks North America, LLC**Submission Date :** JUL 03, 2024**NHTSA Recall No. :** 24V-509**Manufacturer Recall No. :** F1005**Manufacturer Information :****Population :**

Manufacturer Name : Daimler Trucks North America, LLC

Number of potentially involved : 60

Address : 4747 N. Channel Avenue

Estimated percentage with defect : 33 %

Portland OR 97217-3849

Company phone : 800-745-8000

Vehicle Information :

Vehicle 1 : 2025-2025 Freightliner Cascadia

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : According to supplier Hendrickson: "A limited number of Hendrickson COMPOSILITE EXS20 steerable auxiliary lift axle suspension assemblies are equipped with suspect tie rod assemblies with ball stud components that may not have been properly heat treated during manufacture." The vehicle population is based on production records.

Production Dates : APR 30, 2024 - MAY 30, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2025-2025 Freightliner 114SD

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : According to supplier Hendrickson: "A limited number of Hendrickson COMPOSILITE EXS20 steerable auxiliary lift axle suspension assemblies are equipped with suspect tie rod assemblies with ball stud components that may not have been properly heat treated during manufacture." The vehicle population is based on production records.

Production Dates : APR 29, 2024 - JUN 14, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2025-2025 Western Star 49X

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : According to supplier Hendrickson: "A limited number of Hendrickson COMPOSILITE EXS20 steerable auxiliary lift axle suspension assemblies are equipped with suspect tie rod assemblies with ball stud components that may not have been properly heat treated during manufacture." The vehicle population is based on production records.

Production Dates : MAY 01, 2024 - JUN 11, 2024

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

Vehicle 4 : 2025-2025 Western Star 47X

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : According to supplier Hendrickson: "A limited number of Hendrickson COMPOSILITE EXS20 steerable auxiliary lift axle suspension assemblies are equipped with suspect tie rod assemblies with ball stud components that may not have been properly heat treated during manufacture." The vehicle population is based on production records.

Production Dates : APR 30, 2024 - JUN 05, 2024

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

Description of Defect :

Description of the Defect : Per Hendrickson: "The above-referenced tie rod assemblies include ball stud components that may not have been properly heat treated during manufacture."

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Per Hendrickson: "In some cases, the above-referenced condition may cause the tie rod assembly ball studs to fail. This can further result in (1) improper operation of the lift axle steerable wheels, (2) partial separation of the tie rod assembly from the lift axle, and/or (3) foreign object debris on the roadway, increasing the risk of a crash and/or injury. Hendrickson has not received any warranty claims, end user complaints, or field reports of accidents or injuries associated with this issue."

Description of the Cause : Per Hendrickson's report, "Hendrickson's supplier mixed improperly hardened ball studs, resulting from an experimental heat treatment process, with production-ready ball studs installed on tie rods assemblies shipped to Hendrickson and other manufacturers."

Identification of Any Warning that can Occur : Per Hendrickson: "There is no warning prior to any ball stud failure."

Involved Components :

Component Name 1 : Tie rod assembly on steerable auxiliary lift axle

Component Description : Tie rod assembly equipped with ball studs

Component Part Number : USK Part No. 015537-2000

Component Name 2 : Tie rod assembly on steerable auxiliary lift axle

Component Description : Tie rod assembly equipped with ball studs

Component Part Number : USK Part No. 015537-2100

Supplier Identification :

Component Manufacturer

Name : Hendrickson US LLC

Address : 2021 Parkside Drive
Schaumburg Illinois 60173

Country : United States

Chronology :

Refer attachment.

Description of Remedy :

Description of Remedy Program : DTNA is currently in the process of preparing a remedy for this recall. 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 dealers.

How Remedy Component Differs from Recalled Component : Per Hendrickson: "The replacement tie rod assemblies will include ball studs with a dark surface color, indicating they have been properly heat treated by USK's approved process."

Identify How/When Recall Condition was Corrected in Production : Per Hendrickson: "USK advises they have updated their manufacturing and quality procedures with proper labeling and handling controls for heat treated production components."

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 : JUL 23, 2024 - JUL 23, 2024

Planned Owner Notification Date : SEP 01, 2024 - SEP 01, 2024

* NR - Not Reported