

Part 573 Safety Recall Report

19V-093

Manufacturer Name : Daimler Trucks North America LLC**Submission Date :** FEB 12, 2019**NHTSA Recall No. :** 19V-093**Manufacturer Recall No. :** FL-807**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 : 111

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2013-2016 Freightliner Cascadia

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain vehicles equipped with Hendrickson 5" drop axles and stamp spiders produced within the above referenced dates.

Production Dates : APR 30, 2012 - MAY 26, 2015

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : In certain circumstances, high brake vibrations may occur due to a specific combination of Hendrickson 5" drop axles, brake linings and stamped spiders. Under certain circumstances, these vibrations may lead to a reduced fatigue life and early separation of the tie-rod.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Separation of the tie-rod may lead to a disconnect between the front wheels of the vehicle and reduce the ability to steer the vehicle, which could increase the risk of a crash.

Description of the Cause : NR

Identification of Any Warning NR
that can Occur :

Supplier Identification :

Component Manufacturer

Name : NR
Address : NR
NR
Country : NR

Chronology :

April 2015, DTNA received a field report of a tie rod failure. Investigation revealed no other warranty failures and the issue was limited to a single customer with Hendrickson 5" drop axle configuration. March 2018, DTNA received a field report of a tie-rod failure from an additional customer with the same 5 inch drop axle configuration. At this time, DTNA was investigating unrelated tie rod failures that led to the voluntary DTNA recall FL-782 and found in that investigation that transient braking chatter could cause resonant vibration in the tie-rod. July 2018, DTNA decided to initiate the voluntary recall FL-782 for certain vehicles equipped with a specific combination of a certain front axle, brake lining and stamped spiders. August 2018, DTNA received a field report from a third customer with the same 5 inch drop axle configuration. September 2018 to January 2019, with a better understanding of the failure modes understood as a result of the FL-782 recall, DTNA reinvestigated the 5" drop axle tie rod issues. Working with the axle supplier, DTNA was able to identify that the excessive vibration causing tie rod fatigue could occur due to a 5 inch drop front axle, stamped spiders and certain brake linings. February 2019, with an abundance of caution, DTNA decided to initiate a voluntary recall.

Description of Remedy :

Description of Remedy Program : Stamped brake spiders and the tie-rod will be replaced. Repairs will be performed by Daimler Trucks North America authorized service facilities. Copies of the reimbursement plan will be submitted as a supplemental report when available.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

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 : APR 12, 2019 - APR 12, 2019

Planned Owner Notification Date : APR 12, 2019 - APR 12, 2019

* NR - Not Reported