

# DAIMLER

## Defect Information Report

(Section 573.6)

**FL-738**

Date of Submission: *May 11, 2017*

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

Type of Report:  Safety Defect  Non-Compliance

### Vehicle Information

Model Yr. Start: *2017* Model Yr. End: *2017*  
Make: *Freightliner, Western Star*  
Model: *Cascadia, 5700*  
Production Dates: Begin: *5/17/2016*  
End: *4/25/2017*

### Descriptive Information:

*All vehicles built with a NFD tandem rear axle*

Number potentially involved: *698* Estimated percentage of involve with defect: *Unknown*

### Defect / Noncompliance Description

#### For this Defect/Noncompliance:

#### Describe the defect or noncompliance:

*The induction hardening on the output shaft may be too deep at the bolt hole for the yoke causing the area to be brittle. The brittle condition may lead to fracture of the output shaft during normal vehicle operation.*

#### If a noncompliance, provide the applicable FMVSS:

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## Describe the cause:

Do not use this field

Check if this recall only affects products in certain geographic regions.

## Describe the safety risk:

*A sudden fracture of the through shaft at highway speed while descending a grade will render the compression brake ineffective and may lead to large debris on the road. These factors combined with the expected high failure rate increase the risk of a crash.*

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

*N/A*

## Chronology of Defect / Noncompliance Determination

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

*At the end of March 2017 DTNA received reports of failed through shafts on NFD axles. DTNA began an investigation to determine the scope and impact of the issue. During the investigation metallurgical analysis identified a potential issue with the heat treat of the through shaft. In May 2017, out of an abundance of caution, DTNA decided to conduct a voluntary recall on certain vehicles built with NFD axles.*

## Identify the Remedy

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

*Affected vehicles will have the through shaft 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.*

## 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:** 07/09/2017  
**Planned Dealer Notification End Date:** 07/09/2017  
**Planned Owner Notification Begin Date:** 07/09/2017  
**Planned Owner Notification End Date:** 07/09/2017

**Manufacture's identification code for this recall (if applicable):** FL-738

## Manufactures Comments to NHTSA Staff

**DTNA Representative;**



Andy Jones  
Manager  
Compliance and Regulatory Affairs