

# Part 573 Safety Recall Report

## 21V-209

**Manufacturer Name :** Daimler Trucks North America, LLC

**Submission Date :** MAY 07, 2021

**NHTSA Recall No. :** 21V-209

**Manufacturer Recall No. :** FL-881



### Manufacturer Information :

### Population :

**Manufacturer Name :** Daimler Trucks North America, LLC

**Number of potentially involved :** 2

**Address :** 4747 N. Channel Avenue

**Estimated percentage with defect :** 100 %

Portland OR 97217-3849

**Company phone :** 800-745-8000

### Vehicle Information :

**Vehicle 1 :** 2021-2021 Freightliner Cascadia

**Vehicle Type :**

**Body Style :**

**Power Train :** NR

**Descriptive Information :** Freightliner Cascadia vehicles built with an Automated Manual Transmission (AMT) with certain clutches between the affected build dates.

**Production Dates :** JUL 08, 2020 - DEC 14, 2020

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

### Description of Defect :

**Description of the Defect :** Clutch damper failure at low miles.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** Flange failure may cause loose parts to fall into the clutch pressure plate assembly and potentially affect clutch disengagement. Even though this has not been reported in the field, this may cause the vehicle to lurch and cause unexpected vehicle movement.

**Description of the Cause :** NR

**Identification of Any Warning that can Occur :** It is expected that a failure would happen over a period of time with increasing noise and vibration.

### Involved Components :

Component Name 1 : Clutch

Component Description : Automated Manual Transmission Clutch

Component Part Number : A02-14108-001

## Supplier Identification :

### Component Manufacturer

Name : Schaeffler

Address : 3401 Old Airport Road  
Wooster Ohio 44691

Country : United States

## Chronology :

In late 2020, DTNA became aware of a potential clutch failure and promptly began a recall (FL869, a/k/a 20V-742) while still investigating root cause and population, and while still trying to determine if any vehicles in the field were actually affected. January 2021, DTNA received the first report of a clutch failure, at low miles. DTNA began investigation to understand the contributing factor of this failure and sent parts to the supplier for analysis. March 2021, DTNA received a second report of a clutch failure. DTNA sent the second set of failed parts to the supplier for analysis. March 18, 2021 out of an abundance of caution, DTNA decided to conduct a voluntary safety recall while continuing to investigate root cause and population. Though the failures seem similar to the defect in FL869, DTNA chose not amend that recall so the vehicles could be tracked for their completion of the revised remedy. At this time, the analysis of these parts had not been completed and root cause had not been established. May 2021, DTNA has since received information clarifying that the Schaeffler-LUK Damper Flange failures were not a result of a supplier-manufacturing defect. Rather, during the root cause analysis process, it was discovered that these failures were due to an installation issue specific to these two units and not known or believed to be on any other units. The failure of the two clutches were caused by improper installation of the transmission to the engine flywheel housing, which mimicked a hardness and hydrogen embrittlement issue. Due to this information, DTNA has reduced the scope of this recall to the two vehicles that had reported failures.

## Description of Remedy :

Description of Remedy Program : On both affected vehicles, the clutches have been replaced. Repairs were performed by Daimler Trucks North America authorized service facilities at no charge to the customers.

How Remedy Component Differs from Recalled Component : NR

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

**Recall Schedule :**

Description of Recall Schedule : All of the suspect vehicles in this population have been repaired and Daimler Trucks North America does not plan to issue a notification to customers for this recall.

Planned Dealer Notification Date : MAY 22, 2021 - MAY 22, 2021

Planned Owner Notification Date : MAY 22, 2021 - MAY 22, 2021

\* NR - Not Reported