

# Part 573 Safety Recall Report

## 20E-038

**Manufacturer Name :** Dana Incorporated

**Submission Date :** JUN 11, 2020

**NHTSA Recall No. :** 20E-038

**Manufacturer Recall No. :** NR



### Manufacturer Information :

**Manufacturer Name :** Dana Incorporated

**Address :** 3939 Technology Drive

Maumee OH 43537

**Company phone :** 419-887-3000

### Population :

**Number of potentially involved :** 1,001

**Estimated percentage with defect :** 60 %

### Equipment Information :

**Brand / Trade 1 :** Dana Heavy Vehicle System

**Model :** Output Shaft – 131536

**Part No. :** 131536

**Size :** NR

**Function :** OS in DriveAxle

**Descriptive Information :** The issue potentially affects the output shaft component of certain drive axles manufactured for commercial vehicles and distributed by Dana. Dana has identified the manufacturing dates of potentially affected units and customers. Dana has already communicated with all potentially affected customers.

**Production Dates :** NOV 19, 2019 - DEC 05, 2019

### Description of Defect :

**Description of the Defect :** Certain output shafts built in front rear drive axles may not have been properly heat treated, which can cause the shaft to fracture at the transition of the shaft splines to the thread.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** If the rear axle output shaft fractures, the shaft or interaxle driveline could detach from the vehicle and cause an accident or injury.

**Description of the Cause :** Improper machine settings during the induction hardening process resulted in the over heat treatment of certain output shafts.

**Identification of Any Warning that can Occur :** The driver may experience vibration before a detachment from the vehicle.

### Involved Components :

Component Name : NR

Component Description : NR

Component Part Number : NR

## Supplier Identification :

### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

## Chronology :

On or about December 6, 2019, Dana received a report from customer PACCAR of the fracture and detachment of a driveline yoke retaining nut and threaded portion of an output shaft. Dana promptly initiated a diligent investigation to assess the potential issue and confirmed a potential output shaft heat treatment issue.

With Dana's cooperation, PACCAR submitted a Part 573 report to the Agency on or about December 19, 2019.

On or about June 1, 2020, Dana received from the Agency a request to complete a single purchaser response in connection with the referenced PACCAR notification. To prepare its response, Dana undertook a diligent investigation, which revealed additional customers to whom Dana had supplied the potentially-affected output shafts. Dana thereafter promptly submitted this report.

As part of its investigation, Dana became aware that its quality team had previously initiated communications with other potentially-affected customers, instructing them to inspect and replace the output shafts covered by this notice.

## Description of Remedy :

Description of Remedy Program : Dana will inspect and then replace any output shafts that have not been properly heat treated.

How Remedy Component Differs from Recalled Component : The replacement output shafts differ from the output shafts covered by this notice in that they have been properly heat treated.

Identify How/When Recall Condition was Corrected in Production : Dana began initiating process improvements to detect and prevent the recall condition as early as December 16, 2019.

### Recall Schedule :

Description of Recall Schedule : NR  
Planned Dealer Notification Date : NR - NR  
Planned Owner Notification Date : NR - NR

### Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR  
Address : NR  
NR  
Country : NR  
Company Phone : NR

\* NR - Not Reported