

# Part 573 Safety Recall Report

## 24E-048

**Manufacturer Name :** Dana Incorporated

**Submission Date :** JUN 10, 2024

**NHTSA Recall No. :** 24E-048

**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 :** 11,090

**Estimated percentage with defect :** 18 %

### Equipment Information :

**Brand / Trade 1 :** Dana/Dana Spicer

**Model :** D-Series, E-Series Steer Axles, Replacement Tie Rods

**Part No. :** Provided Separately

**Size :** N/A

**Function :** Steering

**Descriptive Information :** The potential concern relates to the ball studs used in tie rod assemblies that are incorporated into certain steer axles supplied as original equipment to certain commercial vehicle manufacturers, and as replacement equipment.

**Production Dates :** APR 11, 2024 - MAY 31, 2024

### Description of Defect :

**Description of the Defect :** Certain ball studs supplied to Dana by a third-party supplier, USK International, and which Dana incorporated into certain steer axles and replacement tie rod assemblies, did not meet case hardening specifications, and there is a risk that the ball studs could be more brittle than intended.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** If a ball stud is more brittle than expected, it could break, which could affect vehicle steering and could increase the risk of a crash.

**Description of the Cause :** USK International introduced experimental ball studs from an unapproved heat treat process into production assemblies.

**Identification of Any Warning that can Occur :** NR

### Involved Components :

Component Name : Ball stud

Component Description : Connects left and right hand steering knuckle

Component Part Number : 10036700, 10036701, 971776, 817755, 971092, 971747

## Supplier Identification :

### Component Manufacturer

Name : USK International S.A. DE C.V.

Address : Av. Huehuetoca S/N, San Mateo Ixtacalco,

Cuautitlán Foreign States 54800

Country : Mexico

## Chronology :

On or about May 24, 2024, the ball stud supplier notified Dana's Mexican manufacturing facility that an experimental batch of ball studs was not segregated properly and a portion of it was mixed with regular production, including in batches supplied to Dana.

Dana promptly initiated an investigation to determine the customers, if any, to which Dana supplied steer arms that incorporated the experimental ball studs. Dana also promptly initiated an engineering investigation to assess the performance of ball studs from normal and experimental production.

On or about June 4, 2024, Dana convened its Safety Committee to review preliminary results of its engineering investigation. On June 5, 2024, based upon additional results, the Safety Committee decided to make this report in an abundance of caution.

## Description of Remedy :

Description of Remedy Program : Dana intends to inspect the ball studs incorporated into the tie rod assemblies, and to replace any experimental ball studs that were not intended for production. Customers who paid for a pre-notification remedy will be eligible for reimbursement in accordance with Dana's forthcoming reimbursement plan.

How Remedy Component Differs from Recalled Component : The recalled components were experimental parts manufactured utilizing an unapproved heat treat process that the supplier inadvertently introduced into production. The remedy components will be produced to intended specification.

**Identify How/When Recall Condition was Corrected in Production :** The recall condition does not exist in production. The supplier inadvertently introduced experimental ball studs from an unapproved heat treat process into production assemblies. Dana understands that the supplier is initiating an internal review to implement corrective actions and avoid reoccurrence when handling experimental materials and processes.

## Recall Schedule :

**Description of Recall Schedule :** As Dana supplied its steer arms to commercial customers (OEMs), Dana will notify its commercial OEM customers directly. Dana anticipates that the OEMs will notify and conduct the recall. Dana will notify the parts distribution centers and dealers to which it supplied replacement assemblies directly, and will seek their support in notifying end-users.

**Planned Dealer Notification Date :** JUN 24, 2024 - JUN 24, 2024

**Planned Owner Notification Date :** JUN 24, 2024 - JUN 24, 2024

## 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 :** PACCAR Inc.

**Address :** 777 106th Avenue N.E.  
Bellevue WA 98004

**Country :** US

**Company Phone :** 9402979925

**Name :** Ford Motor Company

**Address :** 650 Miller Rd  
Avon Lake OH 44012

**Country :** US

**Company Phone :** 5533350689

**Name :** Volvo Trucks North America

**Address :** 7900 National Service Rd.  
Greensboro NC 27409

**Country :** US

**Company Phone :** 3015735972

Name : Navistar International Corporation  
Address : 2701 Navistar Drive  
Lisle IL 60532

Country : US  
Company Phone : 3313328727

Name : Isuzu Commercial Truck of America  
Address : 46401 Commerce Center Drive  
Plymouth MI 48170

Country : US  
Company Phone : 5863376876

Name : MB Corporation  
Address : 201 MB Lane  
Chilton WI 53014

Country : US  
Company Phone : 7655614127

\* NR - Not Reported