

# Part 573 Safety Recall Report

# 24V-233

**Manufacturer Name :** PACCAR Incorporated**Submission Date :** AUG 21, 2024**NHTSA Recall No. :** 24V-233**Manufacturer Recall No. :** 24PBF 24KWF**Manufacturer Information :****Population :**

Manufacturer Name : PACCAR Incorporated

Number of potentially involved : 782

Address : 777 106TH AVENUE NORTHEAST

Estimated percentage with defect : 5 %

BELLEVUE WA 98004

Company phone : 940 591 4220

**Vehicle Information :**

Vehicle 1 : 2025-2025 Peterbilt 536, 548, 567, 579

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Vehicles with steering gears installed (on production line and offline) while suspect steering gears were at the plants that have not been inspected during the containment sweep.

Production Dates : AUG 02, 2023 - JAN 11, 2024

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2025-2025 Kenworth T280, T380, T480, T680, T880, W990

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Vehicles with steering gears installed (on production line and offline) while suspect steering gears were at the plants that have not been inspected during the containment sweep.

Production Dates : OCT 03, 2023 - JAN 16, 2024

VIN Range 1 : Begin : NR End : NR

 Not sequential**Description of Defect :**

Description of the Defect : R.H. Sheppard states that certain vehicles may contain a steering gear with a sector shaft that may not meet hardness requirements for the gear teeth.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Sector shaft gear teeth with lower than required hardness may prematurely

**Description of the Safety Risk :** wear, crack or fracture. A fractured gear tooth may interfere with the gear mechanism leading to binding. A steering gear that binds increases the likelihood of a crash.

**Description of the Cause :** R.H. Sheppard explained that a lack of properly working controls on the heat treat oven allowed for some shafts in the batch to have lower than required hardness.

**Identification of Any Warning that can Occur :** Driver may hear a popping sound when a tooth fractures.

## Involved Components :

**Component Name 1 :** Steering Gear

**Component Description :** Steering Gear Assembly

**Component Part Number :** HD94PCB31, HD94PN32, HD94PN33, HD94PP32, J87-6024, J87-6038-001, J87-6043-002, J87-6043-003

**Component Name 2 :** Steering Gear

**Component Description :** Steering Gear Assembly

**Component Part Number :** HD94SC12, HD94SC14, J87-6025, J87-6040-001, J87-6040-002

## Supplier Identification :

### Component Manufacturer

**Name :** R.H. Sheppard

**Address :** 101 Philadelphia Street  
Hanover Pennsylvania 17331-0877

**Country :** United States

## Chronology :

01-17-24: Safety and compliance notified by supplier quality that R.H. Sheppard notified them of the issue. Investigation opened. Steering gear serial number inspection and containment began at all affected plants.

01-31-24: Containment complete at all affected plants.

02-09-24: Sheppard notified PACCAR that they submitted an equipment recall.

02-19-24: Began compiling suspect chassis list.

03-05-24: Met with Sheppard to review low hardness shaft steering gear testing and warranty history.

03-11-24: Reviewed containment data with affected plants to firm suspect population.

03-21-24: Full safety committee concurrence with Sheppard equipment recall on determination of safety related defect.

As of 03/22/2024, PACCAR received 0 warranty claims and 0 reports about 0 trucks in the field that may be related. 0 reports of deaths or injuries have been received.

## Description of Remedy :

Description of Remedy Program : Affected vehicle owners will be notified and dealers will inspect steering gear serial numbers and replace suspect steering gears free of charge. Owners who incurred costs to obtain a remedy for the problem addressed by the recall in advance of receiving notification may seek reimbursement through the process outlined in the general reimbursement plan on file.

How Remedy Component Differs from Recalled Component : The only way to distinguish a recalled gear and a remedy component is by inspecting the steering gear serial number.

Identify How/When Recall Condition was Corrected in Production : Supplier's heat treat oven was repaired and re-certified January 2024 to produce properly heat treated sector shafts.

## Recall Schedule :

Description of Recall Schedule : Dealers and customers will be notified within 60 days.

Interim notification sent by 05-26-2024. Final notification sent by 08-07-2024.

Planned Dealer Notification Date : MAY 26, 2024 - MAY 26, 2024

Planned Owner Notification Date : MAY 26, 2024 - MAY 26, 2024

\* NR - Not Reported