

Part 573 Safety Recall Report

24V-789

Manufacturer Name : PACCAR Incorporated**Submission Date :** OCT 23, 2024**NHTSA Recall No. :** 24V-789**Manufacturer Recall No. :** 24KWH 24PBH**Manufacturer Information :**

Manufacturer Name : PACCAR Incorporated

Address : 777 106TH AVENUE NORTHEAST
BELLEVUE WA 98004

Company phone : 940 591 4220

Population :

Number of potentially involved : 5,690

Estimated percentage with defect : 3 %

Vehicle Information :

Vehicle 1 : 2025-2025 Kenworth C500, T680, T800, T880, W900, W990

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Kenworth trucks with Cummins X15 engines containing fuel pump barrels with suspect serial numbers. Engine Serial Number list provided from Cummins.

Production Dates : JUN 17, 2024 -SEP 12, 2024

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 2 : 2025-2025 Peterbilt Model 567, Model 579, Model 589

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Peterbilt trucks with Cummins X15 engines containing fuel pump barrels with suspect serial numbers. Engine Serial Number list provided from Cummins.

Production Dates : JUN 17, 2024 -SEP 12, 2024

VIN Range 1 : Begin : NR End : NR Not sequential**Description of Defect :**

Description of the Defect : The fuel pump barrels installed on some of the engines in the subject population may have been built using low fatigue strength parts, making them susceptible to fracture. Reference Cummins recall 24E078.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If a fuel pump barrel fractures, an external fuel leak and sudden loss of fuel pressure may occur, potentially causing the engine to stall without the ability

to restart. An engine stall without the ability to restart may increase the risk of a crash.

Description of the Cause : Defective parts have incomplete heat treat scale removal and nonconforming shot peening coverage, resulting in low fatigue strength. A quality issue in the heat treatment process created a nonconforming, abnormal surface layer with reduced hardness on some of the parts. This softer surface layer could potentially prevent the shot peening operation from being fully effective.

Identification of Any Warning that can Occur : The vehicle operator may experience reduced performance and / or may see a warning lamp when fuel pressure drops below the commanded value. Persons in or around the vehicle may also see or smell diesel fuel.

Involved Components :

Component Name 1 : Barrel, Pump Tappet
Component Description : High pressure fuel passages
Component Part Number : 5593839

Supplier Identification :

Component Manufacturer

Name : Cummins, Inc.
Address : 500 Jackson Street
Columbus Indiana 47201
Country : United States

Chronology :

09-17-24: Safety and compliance notified. Investigation opened.
09-24-24: Cummins' 573 filed with NHTSA; copy provided to Kenworth S&C.
9-22-24: Cummins' lists of affected engines for Kenworth and Peterbilt provided; work started to align provided engine serial numbers with Kenworth and Peterbilt chassis.
09-27-24: Cummins provided explanation for remaining PACCAR questions.
10-08-24: Safety committee meeting held. All members in attendance concur with Cummins that a safety related defect exists and that the affected population shall be recalled.
10-16-24: Final members of Safety Committee provided concurrence that safety related defect exists and that the affected population shall be recalled.

Description of Remedy :

Description of Remedy Program : The remedy is to replace the suspect fuel pump barrels (two (2) barrels per fuel pump) with new verified parts.

Affected vehicle owners will be notified and dealers will replace the two subject fuel pump barrels with barrels with correct processing 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 remedy components have been made to the correct heat treatment and shot peening specifications, resulting in the expected component fatigue strength.

Identify How/When Recall Condition was Corrected in Production : The condition was corrected in Cummins production on 08/28/2024 after the process non-conformance was corrected.

Recall Schedule :

Description of Recall Schedule : Cummins will send notifications by these dates.

Planned Dealer Notification Date : DEC 22, 2024 - DEC 22, 2024

Planned Owner Notification Date : DEC 22, 2024 - DEC 22, 2024

* NR - Not Reported