



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

24V915

Manufacturer Name: PACCAR Incorporated

Submission Date: Dec 09, 2024

NHTSA Recall No.: 24V915

Manufacturer Recall No.: 24KWL 24PBL

Manufacturer Information

Population

Manufacturer Name: PACCAR Incorporated

Address: 777 106TH AVENUE
NORTHEAST
BELLEVUE WA, 98004

Total number of potentially involved: 220,764

Estimated percentage with defect: 1%

Vehicle Information

Vehicle 1: 2024-2025 Peterbilt 589

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Apr 19, 2023 - Dec 04, 2024

Number of potentially involved:

Descriptive Information:

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 2: 2022-2025 Peterbilt 367

Product Category:

Product Type:

Fuel / Propulsion:

Production Dates: Jan 18, 2021 - Dec 18, 2023

Number of potentially involved:

Descriptive Information:

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 3: 2021-2025 Kenworth T680

Product Category: Buses, Medium & Heavy Vehicles

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24V915**Product Type:****Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** May 22, 2020 - Dec 03, 2024**Number of potentially involved:****Descriptive Information:**

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 4: 2022-2025 Kenworth T480**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:****Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Apr 12, 2021 - Nov 28, 2024**Number of potentially involved:****Descriptive Information:**

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 5: 2021-2025 Kenworth T380**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:****Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Jul 02, 2020 - Nov 22, 2024**Number of potentially involved:****Descriptive Information:**

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 6: 2021-2023 Peterbilt 337**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:****Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Oct 26, 2020 - May 03, 2022**Number of potentially involved:****Descriptive Information:**

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Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 7: 2024-2025 Kenworth C500B

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Oct 05, 2022 - Sep 09, 2024

Number of potentially involved:

Descriptive Information:

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 8: 2021-2025 Kenworth T800B

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Sep 02, 2020 - Dec 03, 2024

Number of potentially involved:

Descriptive Information:

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 9: 2024-2025 Peterbilt 536

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Aug 11, 2023 - Nov 13, 2024

Number of potentially involved:

Descriptive Information:

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 10: 2021-2025 Kenworth W900B

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

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Production Dates: Sep 08, 2020 - Dec 03, 2024

Number of potentially involved:

Descriptive Information:

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 11: 2021-2025 Peterbilt 389

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Apr 07, 2020 - Dec 19, 2023

Number of potentially involved:

Descriptive Information:

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 12: 2021-2025 Peterbilt 579

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Apr 06, 2020 - Dec 04, 2024

Number of potentially involved:

Descriptive Information:

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 13: 2023-2025 Peterbilt 537

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Jan 04, 2022 - Nov 25, 2024

Number of potentially involved:

Descriptive Information:

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 14: 2022-2025 Peterbilt 520

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24V915**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:****Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Nov 09, 2021 - Dec 03, 2024**Number of potentially involved:****Descriptive Information:**

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 15: 2021-2023 Peterbilt 348**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:****Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Sep 09, 2020 - May 11, 2022**Number of potentially involved:****Descriptive Information:**

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 16: 2022-2023 Kenworth T370**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:****Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Jan 18, 2021 - May 27, 2022**Number of potentially involved:****Descriptive Information:**

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 17: 2021-2025 Peterbilt 567**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:****Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Apr 06, 2020 - Dec 04, 2024**Number of potentially involved:****Descriptive Information:**

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Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 18: 2021-2023 Kenworth T4 Series

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Nov 24, 2020 - May 12, 2022

Number of potentially involved:

Descriptive Information:

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 19: 2021-2025 Kenworth T880

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: May 22, 2020 - Dec 04, 2023

Number of potentially involved:

Descriptive Information:

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 20: 2021-2025 Peterbilt 548

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Aug 19, 2020 - Nov 26, 2024

Number of potentially involved:

Descriptive Information:

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 21: 2023-2025 Kenworth T280

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

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Production Dates: Apr 22, 2022 - Aug 14, 2024

Number of potentially involved:

Descriptive Information:

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 22: 2022-2025 Peterbilt 365

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Feb 23, 2021 - Dec 11, 2023

Number of potentially involved:

Descriptive Information:

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Vehicle 23: 2021-2025 Kenworth W990

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: May 22, 2020 - Dec 03, 2024

Number of potentially involved:

Descriptive Information:

Vehicles built with EC-80 part numbers as provided by Bendix, and configured to pull a trailer.

Defect / Noncompliance Description

Description of the defect or noncompliance:

According to Bendix in its recall 24E-086, EC80 is an electronic control unit mounted on a towing vehicle. It is a component of an antilock braking system. Power Line Carrier (PLC) is a trailer to tractor communication system that sends a signal on the electrical connection between the tractor and trailer. PLC purpose is to control the cab mounted trailer-ABS indicator lamp in the towing vehicle.

In the presence of high electrical interference (i.e. noise) on the vehicle power line and low PLC signal strength, the EC80 PLC functionality may incorrectly process certain signals. The EC80 may set a fault or stop operating or malfunction.

The combination of high electrical interference and low PLC signal strength is more likely on vehicles that tow more than one trailer than vehicles that tow only one trailer. The PLC signal strength may be substantially reduced when other optional devices are connected to the power line. These optional devices include trailer-based tracking systems.

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Vehicles with low noise levels and high signal strength may never exhibit the vehicle effects.

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

According to Bendix in its recall 24E-086, the ABS, Automatic Traction Control (ATC), or Electronic Stability Control (ESC) may set an ABS fault or may stop operating. Other functions which strongly interact with ABS such as Active Cruise Control (ACC) and Collision Mitigation System (CMS) may also fault. In extremely rare situations before the system faults or stops operating, if there is a stability event or an automated braking request, the system may respond incorrectly to the event. This may increase the likelihood of a crash.

Description of the cause:

Incorrect processing of PLC messages that lead to ECU offline and memory overwrite effects; incorrect message string length that causes overflow of memory buffers set up to receive messages.

Identification of any warning that can occur:

The ABS warning lamp will be illuminated when an ABS fault is detected or when the ABS stops operating.

Component Manufacturer

Tier of Supplier:

Supplier Type:

Name: Bendix Commercial Vehicle Systems LLC

Address: 35500 Chester Rd
Avon OH, 44011

Country: United States

Involved Components

Component Name 1: Bendix EC80

Component Description: MODULE - ELECTRIC, BENDIX, ABS

Component Part Number: Q27-1032-301

Component Name 2: Bendix EC80

Component Description: MODULE - ELECTRIC, BENDIX, ABS

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Component Part Number: Q27-1033-301

Component Name 3: Bendix EC80

Component Description: MODULE - ELECTRIC, BENDIX, ABS

Component Part Number: Q27-1032-302

Component Name 4: Bendix EC80

Component Description: MODULE - ELECTRIC, BENDIX, ABS

Component Part Number: Q27-1033-303

Component Name 5: Bendix EC80

Component Description: MODULE - ELECTRIC, BENDIX, ABS

Component Part Number: Q27-1040-301

Component Name 6: Bendix EC80

Component Description: MODULE - ELECTRIC, BENDIX, ABS

Component Part Number: Q27-1041-301

Component Name 7: Bendix EC80

Component Description: MODULE - ELECTRIC, BENDIX, ABS

Component Part Number: Q27-6101-301

Component Name 8: Bendix EC80

Component Description: MODULE - ELECTRIC, BENDIX, ABS

Component Part Number: Q27-6102-301

Component Name 9: Bendix EC80

Component Description: MODULE - ELECTRIC, BENDIX, ABS

Component Part Number: Q27-6106-301

Component Name 10: Bendix EC80

Component Description: MODULE - ELECTRIC, BENDIX, ABS

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Chronology

10-28-24: Safety and compliance notified by Bendix. Investigation opened. 11-12-24: Bendix comments that CAN analysis does not support conclusion that PACCAR impacted by same EC-80 software defect as found in other truck manufacturers 11-15-24: Vehicles in field identified for potential Bendix testing to document CAN behavior relevant to EC-80. 11-21-24: PACCAR Safety and Compliance informed that Bendix is amending its 573 to include PACCAR vehicles. 12-02-24: Safety committee meeting held. Concurrence that a safety defect exists. As of 12-02-24, PACCAR received 2505 warranty claims and 0 reports about 0 trucks in the field that may be related between March 2021 and December 2024. 0 reports of deaths or injuries have been received.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Software**Consumer Advisories:** ☐ Do Not Drive ☐ Park Outside**Description of remedy program:**

Affected vehicle owners will be notified and dealers will reprogram the EC80 ECU with software that does not include the defect 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 software does not contain the defective PLC functionality. A unique software ID number(s) has been assigned to remedy versions of the software.

Identify how/when recall condition was corrected in production:

E80 ECUs were reprogrammed with software that does not include the defect beginning 12/2/2024. Future ECUs will be provided by Bendix with software that does not include the defect for trucks schedule 12/4/2024.

Reimbursement Plan

Recall Schedule

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Customers and dealers will be notified within 60 days.

Planned Dealer Notification Date: Feb 07, 2025 - Feb 07, 2025

☐ No Dealers

Planned Interim Owner Notification Date:

☐ No Owners

Planned Remedy Owner Notification Date: Feb 07, 2025 - Feb 07, 2025

☐ Phased Recall

Date when VIN will be searchable: