

Part 573 Safety Recall Report

22V-631

Manufacturer Name : PACCAR Incorporated**Submission Date :** AUG 17, 2022**NHTSA Recall No. :** 22V-631**Manufacturer Recall No. :** 22KWG and 22PBG**Manufacturer Information :****Population :**

Manufacturer Name : PACCAR Incorporated

Number of potentially involved : 1,601

Address : 777 106TH AVENUE NORTHEAST

Estimated percentage with defect : 100 %

BELLEVUE WA 98004

Company phone : 940 591 4220

Vehicle Information :

Vehicle 1 : 2023-2023 Kenworth T680

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : MAY 24, 2022 - JUN 24, 2022

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

Vehicle 2 : 2023-2023 Kenworth K270

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : JUN 01, 2022 - JUN 01, 2022

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

Vehicle 3 : 2023-2023 Kenworth T440

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : MAY 30, 2022 - JUN 15, 2022

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

Vehicle 4 : 2023-2023 Kenworth T880

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : MAY 23, 2022 - JUL 08, 2022

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

Vehicle 5 : 2023-2023 Kenworth W990

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : MAY 26, 2022 - JUN 17, 2022

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

Vehicle 6 : 2023-2023 Peterbilt 220

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : MAY 30, 2022 - JUN 15, 2022

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

Vehicle 7 : 2023-2023 Kenworth K370

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : JUN 14, 2022 - JUN 14, 2022

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

Vehicle 8 : 2023-2023 Kenworth T280

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : MAY 25, 2022 - JUN 20, 2022

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

Vehicle 9 : 2023-2023 Kenworth T380

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : MAY 19, 2022 - JUN 21, 2022

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

Vehicle 10 : 2023-2023 Kenworth T480

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : MAY 30, 2022 - JUN 15, 2022

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

Vehicle 11 : 2023-2023 Kenworth T800

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : JUN 06, 2022 - JUL 07, 2022

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

Vehicle 12 : 2023-2023 Kenworth W900

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : JUN 02, 2022 - JUL 07, 2022

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

Vehicle 13 : 2023-2023 Peterbilt 389

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : MAY 27, 2022 - JUN 23, 2022

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

Vehicle 14 : 2023-2023 Peterbilt 520

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : MAY 30, 2022 - JUN 22, 2022

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

Vehicle 15 : 2023-2023 Peterbilt 536

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : MAY 26, 2022 - JUN 16, 2022

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

Vehicle 16 : 2023-2023 Peterbilt 537

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : MAY 19, 2022 - JUN 20, 2022

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

Vehicle 17 : 2023-2023 Peterbilt 348

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : MAY 27, 2022 - MAY 31, 2022

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

Vehicle 18 : 2023-2023 Peterbilt 367

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : JUN 01, 2022 - JUN 10, 2022

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

Vehicle 19 : 2023-2023 Peterbilt 567

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : MAY 26, 2022 - JUN 24, 2022

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

Vehicle 20 : 2023-2023 Peterbilt 548

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : MAY 27, 2022 - JUN 13, 2022

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

Vehicle 21 : 2023-2023 Peterbilt 579

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The vehicles include engines with suspect serial numbers provided by Cummins.

Production Dates : MAY 26, 2022 - JUN 27, 2022

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

Description of Defect :

Description of the Defect : The ECM may experience an internal short circuit which can result in an unexpected engine shutdown. If this occurs, the engine cannot be restarted until replacement of the ECM and, if necessary, the fuse. Reference Cummins recall 22E-063.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An unexpected engine shutdown without the ability to restart the engine may lead to an increased risk of a crash.

Description of the Cause : A screw in the supplier's selective solder fixture backed out of position, pushing an electrolytic capacitor frame into the Printed Circuit Board (PCB) during ECM production, which in turn causes an internal short circuit.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : Module, Electronic Control

Component Description : Engine Control Module

Component Part Number : CM2450A (5572391)

Supplier Identification :

Component Manufacturer

Name : Cummins

Address : Box 3005, Mail Code 41303

Columbus Indiana 47202

Country : United States

Chronology :

07-25-2022: Cummins notified Paccar that they plan to file a recall for an ECM failure in MY2022 diesel engines. Cummins notified Paccar that 2 non-Paccar vehicles experienced failures in the field, but no accidents or injuries were reported. Investigation opened.

07-27-2022: PACCAR and Cummins begin to review and identify affected vehicles associated with each engine serial number (ESN) provided by Cummins.

07-28-2022: Cummins filed for a 573, NHTSA recall no. 22E-063.

08-11-2022: Joint Safety Committee agreed with Cummins that a safety related defect exists. No reports of field failures on Paccar vehicles to date.

Description of Remedy :

Description of Remedy Program : Paccar will notify owners and dealers, and affected vehicles will have the ECM replaced. 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 : Remedy components were manufactured after corrective actions were put in place by the supplier, and do not include a serial number within the suspect date range.

Identify How/When Recall Condition was Corrected in Production : The ECM supplier corrected the ECM production assembly process on June 2, 2022. Cummins initiated containment actions at impacted engine plants on June 28, 2022.

Recall Schedule :

Description of Recall Schedule : Customers will be notified within 60 days.

Planned Dealer Notification Date : OCT 16, 2022 - OCT 16, 2022

Planned Owner Notification Date : OCT 16, 2022 - OCT 16, 2022

* NR - Not Reported