

Part 573 Safety Recall Report

21V-00N

Manufacturer Name : PACCAR Incorporated**Submission Date :** DEC 29, 2021**NHTSA Recall No. :** 21V-00N**Manufacturer Recall No. :** 21KWH and 21PBN**Manufacturer Information :****Population :**

Manufacturer Name : PACCAR Incorporated

Number of potentially involved : 1,107

Address : 777 106TH AVENUE NORTHEAST

Estimated percentage with defect : NR

BELLEVUE WA 98004

Company phone : 940 591 4220

Vehicle Information :

Vehicle 1 : 2016-2022 Peterbilt 567

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style :

Power Train : NR

Descriptive Information : LNG and CNG vehicles with a methane detection system. Peterbilt 1.9m vehicles have a different design and are not affected.

Production Dates : JUN 01, 2015 - MAY 07, 2021

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

Vehicle 2 : 2016-2022 Peterbilt 579

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : LNG and CNG vehicles with a methane detection system. Peterbilt 1.9m vehicles have a different design and are not affected

Production Dates : OCT 26, 2015 - NOV 30, 2021

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

Vehicle 3 : 2021-2022 Peterbilt 536

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : LNG and CNG vehicles with a methane detection system. Peterbilt 1.9m vehicles have a different design and are not affected

Production Dates : AUG 21, 2020 - NOV 30, 2021

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

Vehicle 4 : 2017-2021 Kenworth T880

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : LNG and CNG vehicles with a methane detection system.

Production Dates : APR 22, 2016 - SEP 04, 2020

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

Vehicle 5 : 2016-2022 Kenworth T680

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : LNG and CNG vehicles with a methane detection system.

Production Dates : FEB 17, 2015 - MAY 21, 2021

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

Vehicle 6 : 2018-2020 Kenworth T440

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : LNG and CNG vehicles with a methane detection system.

Production Dates : OCT 03, 2017 - APR 26, 2019

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

Vehicle 7 : 2020-2020 Kenworth T270

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : LNG and CNG vehicles with a methane detection system.

Production Dates : APR 16, 2019 - APR 16, 2019

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

Vehicle 8 : 2021-2021 Kenworth T280

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : LNG and CNG vehicles with a methane detection system.

Production Dates : AUG 07, 2020 - AUG 07, 2020

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

Description of Defect :

Description of the Defect : Methane detection system will not warn if system loses power

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Absent a warning by the methane detection system, the operator may not be aware of a system malfunction or of the presence of excessive levels of methane gas, which can lead to an increased risk of fire or injury.

Description of the Cause : The methane detection warning alarm and warning lamp share the same fuse. Absent a redundant power source, the warning lamp and the warning alarm will not operate to produce constant warning sound and light when the methane detection system loses power.

Identification of Any Warning that can Occur : A faint small may indicate the presence of excessive levels of methane gas in CNG trucks

Involved Components :

Component Name 1 : Methane Detection System

Component Description : Methane Detection System consists of an assembly of sensors, gauge, warning buzzer and lamp

Component Part Number : Assembly does not have part number, but PP607005 is part number for gauge

Supplier Identification :**Component Manufacturer**

Name : PACCAR

Address : 777 106th Ave. NE
Bellevue 98004

Country : NR

Chronology :

11-11-2021: Peterbilt Safety and Compliance reviewed a natural gas truck and found the warning lamp and the warning alarm did not indicate constant warning sound and light when the methane detection system power was lost. Investigation opened.

11-12-2021: 50 trucks are on hold at the plants (48 PB and two (2) KW chassis) and being reworked for creating a redundant power source for warning lamp and buzzer. The field trucks may be reworked similar to the plant rework.

11-19-2021: AELs (KW: 00301N5, PB: 031AHMD) are created as an additional method to identify future trucks with methane detection that may need an alternate design called out.
11-24-2021: Chillicothe confirms rework procedure effectively resolved the concern. Fuse B6 was pulled to simulate a loss of system power, causing the warning lamp to illuminate and alarm to sound.
12-07-2021: Affected population of vehicles in the field defined.
12-09-2021: Warranty Claims checked for this system and found none.
12-22-2021: Safety committee meeting held. The committee agrees that a defect relating to motor vehicle safety exists.

Description of Remedy :

Description of Remedy Program : PACCAR will notify customers and dealers will provide a redundant power source for the warning alarm and light by moving signal for the warning alarm from shared fuse to the battery splice block in the cab harnesses. 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 : In the remedy component, the circuit for alarm and lights are independent of each other, unlike the original shared fuse for both warnings.

Identify How/When Recall Condition was Corrected in Production : Short term remedy for trucks at plant involved adding the spare power jumper. Long term correction involved moving signal for the warning alarm from shared fuse to the battery splice block in the cab harnesses.

Recall Schedule :

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

Planned Dealer Notification Date : FEB 26, 2022 - FEB 26, 2022

Planned Owner Notification Date : FEB 26, 2022 - FEB 26, 2022

* NR - Not Reported