

Part 573 Safety Recall Report

19V-282

Manufacturer Name : PACCAR Incorporated

Submission Date : APR 09, 2019

NHTSA Recall No. : 19V-282

Manufacturer Recall No. : 19PBB



Manufacturer Information :

Manufacturer Name : PACCAR Incorporated

Address : 777 106TH AVENUE NORTHEAST
BELLEVUE WA 98004

Company phone : 940 591 4220

Population :

Number of potentially involved : 5,051

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2020 Peterbilt 520

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Recall population was determined by configuration and harness part number: single steer model 520 equipped with either the S92-6279-000 or S92-6128-000 "LH or RH Single Steer PDC Harness

Production Dates : OCT 17, 2016 - MAR 04, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The connector between the cab power harness and the power distribution center (PDC) harness may overheat and melt.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A melted connector can create an intermittent connection that may result in loss of power to the vehicle and possible engine shut down.

Description of the Cause : The wires located on the Model 520 PDC harness and the mating power jumper are potentially undersized.

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : PKC
Address : 3920 Senlac, Suite 100
Farmers Branch TEXAS 75234
Country : United States

Chronology :

8/30/2018 - Engineering received notification of a melted connector; started researching the problem and drafting solutions.
9/17/2018 - Engineering started change notice to release the replacement PDC and jumper parts to production.
10/6/2018 - Engineering created a new jumper.
10/7/2018 - Engineering created and communicated rework instructions to plant personnel. Parts for the rework are not yet available.
12/10/2018 - Engineering notified Product Safety & Compliance of the wire failures and status of remedy development.
1/10/2019 - PS&C asked field service to send overheated connectors to PS&C for inspection.
1/22/2019 - Received 3 of the suspect connectors still mated together.
2/13/2019 - Received report of a melted connector on chassis built with a different PDC harness. PS&C Engineer identified all PDC harnesses used on the Model 520. Using these part numbers all M520 were identified that have the suspect harnesses.
2/25/2019 - PS&C had the 3 mated connectors x-ray examined at a local forensic engineering facility and had one connector cut along the center axis of the connector to determine the precise location where the melting initiated and the cause of the overheating.
3/12/2019 - ECN 2181677 created to implement new PDC harness and power harness. Implementation is scheduled for May 20, 2019.
3/22/2019 - PS&C met with the Electrical team and reviewed the functions in the power harness and the PDC harness. The connector and wiring sizes chosen are to be reviewed for the maximum current draw.
4/8/2019 - Peterbilt Safety Committee reviewed warranty claims where the loss of electrical connection due to the overheated connector resulted in the loss of power to the cab and engine; decided the overheating condition is a defect relating to motor vehicle safety.

Description of Remedy :

Description of Remedy Program :	The remedy will consist of replacing the 10 gauge main power wire to the PDC harness with 4 gauge wire in Model 520 LH and RH steer trucks manufactured prior to 3/4/19.
How Remedy Component Differs from Recalled Component :	Recalled components are part numbers: S92-6279-000, S92-6128-000, S92-6126-4000, S92-6126-5000
Identify How/When Recall Condition was Corrected in Production :	NR

Recall Schedule :

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

Planned Dealer Notification Date : APR 30, 2019 - NR

Planned Owner Notification Date : JUN 03, 2019 - NR

* NR - Not Reported