

Part 573 Safety Recall Report

20V-132

Manufacturer Name : PACCAR Incorporated

Submission Date : MAR 04, 2020

NHTSA Recall No. : 20V-132

Manufacturer Recall No. : 20PBB



Manufacturer Information :

Manufacturer Name : PACCAR Incorporated

Address : 777 106TH AVENUE NORTHEAST
BELLEVUE WA 98004

Company phone : 940 591 4220

Population :

Number of potentially involved : 233

Estimated percentage with defect : 50 %

Vehicle Information :

Vehicle 1 : 2016-2020 Peterbilt 320 and 520

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Suspect population for recall broadly encompasses all chassis with dual foot valves and a liftable tag or tri-drive rear axles. Within this total population is an as-yet undetermined subpopulation of vehicles that could have left the plant without having a quick release valve on the rear brake signal hose. Within that subpopulation is a sub-subpopulation of trucks that, due to the combination of wheelbase, axle configuration, brake type and brake chamber size, may not meet the brake timing requirements of FMVSS 121. In other words, the suspect population was conservatively defined and therefore includes trucks that may pass the brake timing test even without the quick release.

Production Dates : FEB 20, 2015 - AUG 26, 2019

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Noncompliance :

Description of the Noncompliance : Certain Model 320 and 520 Peterbilt vehicles that should have a quick release valve on the rear brake signal hose may be missing that part. The quick release valve ensures rear brake release timing is met. Affected vehicles are model 320/520 dual seated and right hand stand up chassis with a tri-drive or liftable tag axle.

FMVSS 1 : 121 - Air brake systems

FMVSS 2 : NR

Description of the Safety Risk : A vehicle that does not meet the brake timing requirements specified in FMVSS 121 could present an increased risk of a crash or injury.

Description of the Cause : NR

Identification of Any Warning NR
that can Occur :

Supplier Identification :

Component Manufacturer

Name : NR
Address : NR
NR
Country : NR

Chronology :

9/9/19 - Peterbilt Engineering notified Safety & Compliance that a quick release valve called out to be installed in some Model 520 configurations was not being installed by the plant. A suspect chassis list was provided.
9/17-10/14/19 - Suspect chassis list was reviewed and corrected.
10/16/19 - Paccar Technical Center was asked to review past test results and determine whether configurations built could pass brake timing tests without a quick release valve.
11/4/19 - Quality Dept provided production clean point, list of chassis verified to have a quick release, and changes in plant process to correct missing quick release.
11/19/19 - Suspect population narrowed based on clean point and inspections.
12/4/19 - Brake timing test plan developed; purpose is to determine if any suspect trucks could pass without quick release
1/10-1/23/20 - Two brake timing tests were performed.
1/23-2/3/20 - Release timing difference between steer chambers was investigated with aid from Bendix; conclusion is the chambers used in test may have contained debris. In summary, it was determined that Brake timing test validated that 4 x 2 trucks with liftable tag axle would pass without a quick release on the rear brake signal hose. Brake timing test validated 6 x 4 trucks with liftable tag axle and disc brakes with wheel base 221" or shorter would pass without a quick release on the rear brake signal hose. Brake timing tests have not been completed for drum brake trucks but engineering judgment was applied in the review of the new disc brake timing tests and past drum brake tests.
2/27/20 - The Peterbilt Safety Committee met and determined that a noncompliance exists in some portion of the suspect population because, based on engineering judgment, it is unlikely that the drum brake chassis would pass brake release timing without a quick release.

Description of Remedy :

Description of Remedy Program :	Dealers will inspect vehicles in field and install quick release valve if it is missing.
How Remedy Component Differs from Recalled Component :	Bendix QR-1 Valve, part number 08-01279

Identify How/When Recall Condition was Corrected in Production : See chronology above regarding clean point determination at plant.

Recall Schedule :

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

Planned Dealer Notification Date : MAY 01, 2020 - NR

Planned Owner Notification Date : MAY 01, 2020 - NR

* NR - Not Reported