

Part 573 Safety Recall Report

20V-593

Manufacturer Name : PACCAR Incorporated**Submission Date :** SEP 28, 2020**NHTSA Recall No. :** 20V-593**Manufacturer Recall No. :** 20KWD**Manufacturer Information :**

Manufacturer Name : PACCAR Incorporated

Address : 777 106TH AVENUE NORTHEAST
BELLEVUE WA 98004

Company phone : 940 591 4220

Population :

Number of potentially involved : 1,416

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2016-2021 Kenworth T680

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Recall population was determined based on a query of chassis build records.

Production Dates : MAR 02, 2015 - FEB 27, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Noncompliance :**

Description of the Noncompliance : Certain 2.1m vehicles with WABCO 6S/6M ABS brake systems and drum brakes were manufactured with a standard, rear brake, ABS modulator valve instead of a quick release, rear brake, ABS modulator valve. This may cause the vehicles to exceed service brake release timing requirement. FMVSS 121, section S5.3.4 Brake Release Time requires the service brake chamber air pressure to fall from 95 PSI to 5 PSI in not more than 0.55 seconds from the first movement of the service brake control. In the affected vehicle population, representative tests revealed release times ranging from 0.76-0.81 seconds.

FMVSS 1 : 121 - Air brake systems

FMVSS 2 : NR

Description of the Safety Risk : A noncompliance with the service brake release timing requirement may increase the stopping distance of the vehicle and thereby increase the risk of a crash.

Description of the Cause : WABCO 6S/6M ABS brake system on-vehicle validation was completed with a quick release, rear brake, ABS modulator valve. Project documentation did not identify the quick release valve as being required to meet service brake release timing and a standard valve was incorporated into the bills of material.

Identification of Any Warning NR
that can Occur :

Involved Components :

Component Name 1 : ABS modulator valve (4721950520)

Component Description : Standard (i.e., not quick release) rear brake ABS modulator valve

Component Part Number : 4721950520

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

4/25/2020 – Kenworth Safety & Compliance is notified that development testing identified a potential service brake release timing issue with WABCO 6S/6M ABS brake systems installed on 2.1m vehicles.

4/30/2020 – Applications Engineering Logic message is put in place to flag any 2.1m vehicle with WABCO 6S/6M ABS brake system, requiring a change from standard to quick release, rear brake, ABS modulator valve. Vehicle backlog is also double checked for any vehicles requiring a change. Request for Technical Services is written to confirm issue and affected vehicle configurations.

8/13/2020 – Vehicle testing confirms 2.1m vehicles with WABCO 6S/6M ABS brake system and standard release, rear brake, ABS modulator valve with drum brakes are potentially affected. Shorter wheelbases do not significantly affect the delayed service brake release timing. Rear disc brakes are not an issue.

9/23/2020 – Safety Committee meets and determines that a non-compliance to FMVSS 121 Air Brake Systems requirements does exist and that the affected population should be recalled.

Description of Remedy :

Description of Remedy Program : To remedy this defect, customers will be notified and Kenworth dealers will replace the standard, rear brake, ABS modulator valves with quick release, rear brake, ABS modulator valves free of charge.

How Remedy Component Differs NR
from Recalled Component :

Identify How/When Recall Condition NR
was Corrected in Production :

Recall Schedule :

Description of Recall Schedule : Customer letters will be mailed within 60 days

Planned Dealer Notification Date : NOV 25, 2020 - NOV 25, 2020

Planned Owner Notification Date : NOV 25, 2020 - NOV 25, 2020

* NR - Not Reported