21PBM - Work Brake May Unintentionally Disengage – NHTSA ID: 21V906, TC: 2021-713

Number

21PBM

Supplier

Peterbilt

Description

Work Brake May Unintentionally Disengage – NHTSA ID: 21V906, TC: 2021-713

Date

12/2/2021

What's New

Safety Recall – Work Brake May Unintentionally Disengage – NHTSA ID: 21V906, TC: 2021-713. The work brake (also known as winch brake) may unintentionally disengage during winching operations, releasing the service brakes, increasing the risk of crash or injury. The VECU software will be updated to correctly set the speed interlock parameter.

Introduction

The work brake, also known as winch brake, may unintentionally disengage during winching operations, releasing the service brakes.

Slight vehicle movement during winching causes the wheel speed sensor to detect vehicle movement. There is "noise" in the wheel speed sensor at lower vehicle speeds, and erroneous values are communicated. These erroneous values exceed the speed interlock, causing the work brake to disengage.

Situation

377 (US: 374 / CA: 3) 579, 567, 536 and 389 vehicles built from 10/22/2018 through 11/10/2021 and equipped with a work brake (winch brake) and intended service as a wrecker or auto hauler.

Resolution

Service all affected chassis that enter your dealership, even if the customer has no issue with the chassis.

1. Review the attached chassis list for your dealer code and schedule your customer(s) for service if their chassis is on the list.
2. If you are not using Service Management to start repair orders, review SIR for "Complete" or "In Process" next to the "21PBM" campaign code prior to performing this repair.
3. Follow the procedures below to update the VECU software and correctly set the speed interlock parameter.

Federal Law

It is a violation of Federal law for a dealer to sell or lease new vehicles covered by this recall until the defect or noncompliance has been corrected.

Warranty

There is no time or mileage limit for this recall. Peterbilt will pay for labor:

- 0.5 hours labor to update VECU software and CECU software for chassis with CVMUX electronic architecture. Includes accessing the parameter value via PVP to confirm the correct value. Use Quick Claim Code 21PBMA.
- 0.4 hours labor to update VECU software for chassis with VMUX electronic architecture. Includes accessing the parameter value via PVP to confirm the correct value. Use Quick Claim Code 21PBMB.
- File an additional claim for extraordinary circumstances. A quick claim for standard labor must be filed first.
- File the claim within 14 days in accordance with Warranty Policy.

Take-Off Parts Disposition: N/A

PRWS CLAIM CODING			
Campaign Code	21PBM	Campaign Type	Safety Recall
Claim Category	Truck	Repair Type	Proactive
Customer Concern Code	029	Causal Code	A1
Corrective Action Code	12	Responsibility Code	Camp
Failure Location	003-001-088	Causal Part	Q21-1126-700-700
Supplier Code	N/A	SRT Code	**045-966** 0.3 hrs. (VMUX Chassis) DAVIE4 – Download new software to VECU. **B45-967** 0.4 hrs. (CVMUX Chassis) Update VECU and CECU software. **B48-968** 0.1 hrs. PVP processing and/or verification.

CLAIM CODING			
Failure Location	003-001-088	Work Accomplished	69
Failure Type	705	Responsibility Code	09
SRT Code	**045-966** 0.3 hrs. (VMUX Chassis) DAVIE4 – Download new software to VECU. **B45-967** 0.4 hrs. (CVMUX Chassis) Update VECU and CECU software. **B48-968** 0.1 hrs. PVP processing and/or verification.	Claim Type	

Procedure

Please follow your dealership's safety procedures and precautions to ensure the vehicle can be safely repaired and maintained.

Go to PVP and verify the parameter (either N815 or AA01153) is set to 30MPH. Change to 30MPH if needed.

Consult the chassis list to confirm the electrical architecture (VMUX or CVMUX) of the chassis. Refer to the appropriate procedure below.

Update instructions for CVMUX chassis

1. Ensure DAVIE4 is up to date.
2. Connect a battery charger to the chassis.
3. Ensure all programs except DAVIE4 are closed when you begin programming.
4. Update the VECU software to the latest available version.
5. Ensure ESA is up to date. Refer to bulletin 03-064 for ESA best practices for software update instructions and other tips.
6. Update the CECU software to the latest available version.

Update instructions for VMUX chassis

1. Ensure DAVIE4 is up to date.
2. Connect a battery charger to the chassis.
3. Ensure all programs except DAVIE4 are closed when you begin programming.
4. Update the VECU software to the latest available version.

Parts

Parts are not required.

Links

Chassis List

Authored by: PR