

R2306 - MY2024 Retrofit

11/8/2024

[Edit](#) [Clone](#)

R2306

Subject

MY2024 Retrofit

Whats New Abstract

This retrofit provides new MY24 emissions labels and replaces pre-production parts and software with production level parts and software on certain Model Year 2024 and 2025 chassis. Reference the [R2306 - PB Retrofit Parts Matrix](#) to determine which chassis are eligible and parts required to complete the Retrofit.

The emissions exemption for all PACCAR MX powered chassis involved in this retrofit expires on 10/31/2024. After that date, all PACCAR MX powered chassis that have not received this Retrofit will be out of emissions compliance and illegal to operate.

Certain Cummins powered chassis listed on the “Retrofit Parts Matrix” may also require completion of **Cummins retrofit C7014**. Cummins powered chassis may also be subject to emissions exemption expiration. Refer to engine emissions label to determine if an exemption expiration date applies.

Chassis equipped with PACCAR MX engines will also be eligible to receive redesigned fuel injectors to optimize engine performance.

Campaign start date: **09/17/2024**

Revision

11/06/2024: TCS case requirements for EMUX software and PACCAR MX Pack 2 injector upfit have been removed. Software has been campaigned for both processes, and software assistance is no longer required. All EMUX jumper harness retrofit procedures have been updated to include a software verification step and procedures for 520, 567 car carrier, and 2.1m MD have been updated to include R&R procedures for VECU3. Parts Matrix has been updated – VECU3 has been added to numerous chassis.

Condition

Certain pre-production chassis were built with pre-production parts, software, and exempt engine emissions labels.

The emissions exemption for all PACCAR MX powered chassis involved in this retrofit expires on 10/31/2024. After that date, all PACCAR MX powered

chassis that have not received this retrofit will be out of emissions compliance and illegal to operate.

Certain Cummins powered chassis listed on the “Retrofit Parts Matrix” may also require completion of **Cummins retrofit C7014**. Cummins powered chassis may also be subject to emissions exemption expiration. Refer to engine emissions label to determine if an exemption expiration date applies.

Chassis equipped with PACCAR MX engines will also be eligible to receive redesigned fuel injectors to optimize engine performance.

Chassis Affected

54 (54 U.S. and 0 Canada) Model Year 2024 and 2025, 520, 537, 548, 567, 579, and 589 chassis manufactured with pre-production parts, software, and, in some instances, an exempt, Engine Emissions Label.

Action

Campaign

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

- Review the attached chassis list for your dealer code and schedule your customer(s) for service if their chassis is on the list.
- In Service Management, select Campaign **R2306** to add it to the case. If the unit is released back into service without performing the repair, make sure to also release the campaign in Service Management.
- If you are not using Service Management to start repair orders, review SIR for “Complete” next to the **R2306** campaign code prior to performing this repair.
- Follow the appropriate procedures in Peterbilt ServiceNet and/or RMI to remove and replace any Emissions Retrofit parts listed for your specific chassis in the Parts Matrix in the Links section below.

- For chassis requiring the EMUX Jumper Harness Retrofit, refer to the appropriate, model-specific repair procedure in the Links section below.

The emissions exemption for all PACCAR MX powered chassis involved in this retrofit expires on 10/31/2024.

Any Cummins powered chassis listed on the “Retrofit Parts Matrix” may also require completion of **Cummins retrofit C7014**. Cummins powered chassis may also be subject to emissions exemption expiration. Refer to engine emissions label to determine if an exemption expiration date applies.

 NOTE


If emissions exemptions are allowed to expire, vehicle owners could receive civil fines per regulation 40 CFR 19.4 up to \$5,761 per engine. In addition, owners may be required to discontinue operation of the vehicle until the retrofit is completed.

Warranty

Starting on **09/17/2024**, there is no time or mileage limit to this campaign. **The emissions exemption for affected vehicles expires on 10/31/2024.** To avoid possible fines, it must be completed immediately. Peterbilt will pay for parts and labels at dealer net plus applicable mark-up and labor:

- For all repairs relating to the R2306 retrofit, file an editable claim using code **R2306** and input all parts and labor used.
 - Use editable SRT code **B24-41A** to report all labor hours used in the completion of this retrofit.

- File the claim within 7 days in accordance with warranty policy.

 NOTE
Take photos of the new PACCAR MX Engine and PACCAR Clean Idle labels after installation and attach photos to the warranty claim.
Claims filed without these photos may be denied.

- Cummins powered vehicles will receive appropriate emissions labels (if necessary) via **Cummins retrofit C7014**. As such, photos of Cummins emission labels are not required when filing a warranty claim through PACCAR.

Take-Off Parts Disposition: Destroy take-off parts 30 days after claim is paid.

PRWS CLAIM CODING			
Campaign Code:	R2306	Campaign Type:	Retrofit
Claim Category:	Truck	Repair Type:	Proactive
Customer Concern Code:	173	Causal Code:	A1
Corrective Action Code:	12	Responsibility Code:	CAMP
Failure Location:	003-006-003	Causal Part:	Q21-1166-001-003
Supplier Code:	N/A	SRT Code:	B24-41A <i>Editable</i> SRT – Use to report all labor hours used in completion of all aspects of retrofit.

Parts

- Refer to the [R2306 - PB Retrofit Parts Matrix](#) to determine parts required for your chassis.
- An Engine Emissions Label and Clean Idle Label are required for all PACCAR MX powered chassis.
 - A TCS365 case is required to order the appropriate emissions labels.

- Labels may only be ordered after the software update has been verified.
- See Procedures section for the TCS365 case creation guides.

Background

Certain pre-production vehicles were built with pre-production parts, software, and exempt engine emissions labels installed.

The emissions exemption for all PACCAR MX powered chassis involved in this retrofit expires on 10/31/2024. After that date, all PACCAR MX powered chassis that have not received this retrofit will be out of emissions compliance and illegal to operate.

Any Cummins powered chassis listed on the “Retrofit Parts Matrix” may also require completion of **Cummins retrofit C7014**. Cummins powered chassis may also be subject to emissions exemption expiration. Refer to engine emissions label to determine if an exemption expiration date applies.

Chassis equipped with PACCAR MX engines will also be eligible to receive redesigned fuel injectors to optimize engine performance.

Procedure

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

PRE-PRODUCTION PARTS RETROFIT

- Refer to the [R2306 - PB Retrofit Parts Matrix](#) to determine parts required for your chassis.

- Refer to appropriate documentation in RMI and Peterbilt ServiceNet for repair procedures relating to parts requiring upfit on your chassis.

PACCAR MX FUEL INJECTOR UPGRADE

CAUTION

When upfitting a chassis with upgraded fuel injectors (2426855PE and 2426856PE) all 6 injectors must be replaced, and the PCI software must be updated for the injectors in the same service event.

Software/injector mismatch can cause severe engine and aftertreatment damage.

NOTE

All chassis involved with Retrofit R2306 that are equipped with a PACCAR MX engine have already had software campaigned that is compatible with the upgraded fuel injectors (2426855PE and 2426856PE). You do not need to open a TCS365 case for upgraded fuel injector software assistance.

1. Reference RMI for injector R&R procedures.

- Do not use fuel injector part numbers in RMI!
 - Only use the following 2 part numbers:
 - 2426855PE (MX-11)
 - 2426856PE (MX-13)
 - All 6 injectors must be replaced with the upgraded injectors.

- The Retrofit Parts Matrix does not include all parts necessary to complete the fuel injector upfit. Refer to RMI for a comprehensive list of parts.

2. Software update:

- Connect to PACCAR Vehicle Pro (PVP)
 - Enter chassis #.
 - Click SAVE AND SUBMIT in PVP for the chassis.
- Connect DAVIE4 to 9-pin diagnostic connector.
- Retrieve software for PCI-2.
- Update PCI-2 software.

EMUX JUMPER HARNESS RETROFIT

1. Reference the [R2306 - PB Retrofit Parts Matrix](#) to determine if the EMUX jumper harness retrofit is required.

CAUTION

You must perform repair steps in the exact order they are listed in the procedure document! Failure to do so may result in the inability to program the CSG2 and/or Digital Display.

CAUTION

DAVIE4 MUST be updated to version 24.13 or later before attempting to perform software updates relating to this EMUX jumper harness retrofit!

2. Reference EMUX jumper harness retrofit procedure appropriate to the truck model you are working on in the Links section below.

EMISSIONS LABEL ORDERING AND INSTALLATION (PACCAR MX ONLY)

1. All necessary parts retrofits and software updates must be complete prior to ordering emissions labels.
2. Refer to [R2306 - PACCAR MX Emissions Label Ordering and Installation Procedures](#).

Attachments

CHASSIS LIST, PARTS MATRIX, AND CUSTOMER LETTER

- [R2306 - PB Chassis List](#)
- [R2306 - PB Retrofit Parts Matrix](#)
- [R2306 - PB Customer Letter](#)

EMUX JUMPER HARNESS RETROFIT PROCEDURES

- [R2306 - PB 2.1m HD EMUX Jumper Harness Retrofit Procedure](#)
- [R2306 - PB 2.1m MD EMUX Jumper Harness Retrofit Procedure](#)
- [R2306 - PB 567 Car Carrier EMUX Jumper Harness Retrofit Procedure](#)
- [R2306 - PB 520 EMUX Jumper Harness Retrofit Procedure](#)

EMISSIONS LABEL ORDERING AND INSTALLATION PROCEDURE

- [R2306 - PACCAR MX Emissions Label Ordering and Installation Procedures](#)

