

R2306 - MY2024 Parts, Software, and Emissions Label Retrofit

6/30/2025

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

R2306

Subject

MY2024 Parts, Software and Emissions Label Retrofit

Whats New Abstract

All EMUX retrofit procedures updated to make it clear that the VECU3 must have software updated and vehicle mileage confirmed correct before updating the Digital Display. Parts and Procedure section also updated to include the Vehicle Emissions Control Information label ordering and installation instructions. This label is required for all chassis involved in R2306. Included additional reference to Cummins bulletin C7014 in the procedure section for ordering 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.

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

Revision

06/30/2025: All EMUX retrofit procedures updated to make it clear that the VECU3 must have software updated and vehicle mileage confirmed correct before updating the Digital Display. Parts and Procedure section also updated to include the Vehicle Emissions Control Information label ordering and installation instructions. This label is required for all chassis involved in R2306. Included additional reference to Cummins bulletin C7014 in the procedure section for ordering emissions labels.

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 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.
- **All chassis require compliant Engine Emission labels, Clean Idle labels, and Vehicle Emission Control Information labels.**

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

i NOTE
Be aware that the Vehicle Emissions Control Information Labels have a significant lead time that must be considered when scheduling vehicles for service. There is a 2 to 4-week processing time for label requests.

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.

i 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.

i 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.

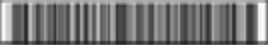
Parts

Make sure you have all necessary parts on hand prior to scheduling your customer for service.

 **NOTE**

Be aware that the Vehicle Emissions Control Information Labels have a significant lead time that must be considered when scheduling vehicles for service. There is a **2 to 4-week processing time** for label requests.

- 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.
- You must order a new “Vehicle Emissions Control Information” label (p/n **S53-6198**) that is updated to show MY24 compliance.

PACCAR	VEHICLE EMISSION CONTROL INFORMATION	
VIN: 1XKYD49X0S1123456	FAMILY NAME: SPCR2TRACCG3	
EMISSIONS CONTROLS: AES, ARFATS, IRTS, IRTE, LRRR, LRRD, LRRS, TGR, TPMS, VSL, VSLE, WIR		
THIS VEHICLE COMPLIES WITH U.S. EPA REGULATIONS FOR 2024 HEAVY-DUTY VEHICLES		
THIS VEHICLE COMPLIES WITH CALIFORNIA REGULATIONS FOR 2024 HEAVY-DUTY VEHICLES		
REGULATORY SUBCAT: Class 8 High Roof Sleeper Tractor, C I Eng		01/02/2024

○ Vehicle Emissions Control Information label ordering procedures:

- Take pictures of all parts replaced on the chassis.
 - These must be submitted with the Aftermarket Change Request.
- Login to PACCAR.net.
- Open the following link: [Aftermarket Change Request](#).
- For instructions on how to submit a GHG Aftermarket Change Request, refer to the [GHG Aftermarket Change Request User Guide.pdf](#).
- Be sure to specify in the submission that the vehicle is a **MY24 Pilot Vehicle that is being upfit to a certified configuration for retrofit R2306**.
- For the “Regulated Modification”, select “Label”, and then select “Convert Exempt Vehicle to Compliant Vehicle.”

- The new label will be mailed to you UPS Red – Next Day Air.

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.

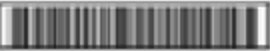
CAUTION

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

1. All necessary parts retrofits and software updates must be complete prior to ordering emissions labels.
2. Vehicle Emission Control Information (VECI) label:

PACCAR	VEHICLE EMISSION CONTROL INFORMATION	
VIN: 1XKYD49XXSJ123456	FAMILY NAME: SPCR2TRACCG3	
EMISSIONS CONTROLS: AES,ARF,ATS,IRTS,IRTE,LRRA,LRRD,LRRS,TGR,TPMS,VSL,VSLE,WIR		
THIS VEHICLE COMPLIES WITH U.S. EPA REGULATIONS FOR 2024 HEAVY-DUTY VEHICLES		
THIS VEHICLE COMPLIES WITH CALIFORNIA REGULATIONS FOR 2024 HEAVY-DUTY VEHICLES		
REGULATORY SUBCAT: Class 8 High Roof Sleeper Tractor, C I Eng		01/02/2024

- This label must be ordered prior to the Engine Emission and Clean Idle labels.
- Be sure to order a new VECI label following the instructions in the Parts section.
 - Be aware of the **2-4 weeks processing time**. All chassis require a new VECI label.
 - All chassis require a new VECI label.
- Remove the old VECI label from the driver's door jamb and replace it with the new label.
- Take a picture of the new label as it is installed and attach the picture to the warranty claim.

(PACCAR MX ONLY)

1. Refer to "PACCAR MX Emissions Label Ordering and Installation" procedure document in Links section below.

(CUMMINS ENGINE ONLY)

1. Refer to Cummins bulletin C7014 for information on Engine Data Plate and Clean Idle label replacement.
 2. Apply the new Engine Emissions label and Clean Idle label if required.
- Take photos of new labels after installation and attach photos to warranty claim.

NOTE

Engine Emissions Labels, VECI labels, and Clean Idle Labels are chassis specific. It is the dealer's responsibility to attach the correct labels to each chassis. Mismatched labels can result in regulatory fines.

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

(ALL 4 PROCEDURES UPDATED 06/30/25)

- [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](#)