

R2306: MY2024 Parts, Software, and Emissions Label Retrofit

6/30/2025

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R2306

MY 2024 Parts, Software, and Emissions Label Retrofit

Subject

MY2024 Parts, Software, and Emissions Label Retrofit

Whats New Abstract

Retrofit

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.

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 chassis. Reference the “Retrofit Parts Matrix” in the Links section below 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**, accessed through Cummins QuickServe. 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 receive redesigned fuel injectors to optimize engine performance.

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.

Condition

Kenworth has determined that certain pre-production vehicles had pre-production parts, software, and exempt 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.

Certain Cummins powered chassis listed on the “Retrofit Parts Matrix” may also require completion of **Cummins Retrofit C7014**, accessed through Cummins QuickServe. 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 receive redesigned fuel injectors to optimize engine performance.

Chassis Affected

9 US Kenworth T380/T480/T680/T880/W900/W990 chassis manufactured with pre-production parts, software, and an exempt Engine Emissions Label.

Action

Retrofit

Service all chassis affected 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. Confirm with the customer that your dealership will be the repairing location before ordering parts and labels.
3. Refer to the attached [R2306 Parts Matrix](#) and order parts required for the chassis.

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

 **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.

1. **Confirm that all parts and labels have arrived before scheduling the customer for repairs.** See procedures section for TCS365 label ordering information.
2. 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
3. If you are not using Service Management to start repair orders, review SIR for "Complete" or "In Process" next to the **R2306** campaign code prior to performing this repair.
4. Follow the procedures below to perform the retrofit as required for each chassis.

The emissions exemption for all 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**, accessed through Cummins Quickserve. 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

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. Kenworth will pay for parts at dealer net plus applicable mark-up and labor:

- Refer to the attached **R2306 Parts Matrix** in the parts section for the necessary parts for each chassis.
- Select *editable* Quick Claim **R2306**. Dealers must edit the claim to include all parts and labor used.
- Attach a time sheet detailing labor hours used for this retrofit.



NOTE

Each chassis will have a different combination of parts to be replaced. Select **editable quick claim R2306** and edit the claim to include parts and labor for each chassis.

- Take photos of the new labels after installation and attach them 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**, accessed through Cummins QuickServe. As such, photos of Cummins emission labels are not required when filing a warranty claim through PACCAR.
- 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 [CA009](#).

Kenworth dealers may perform R2306 retrofits on Peterbilt chassis.

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:	Engine	Repair Type	Proactive
Customer Concern Code	173	Causal Code	A1
Corrective Action Code	12	Responsibility Code:	Camp
Failure Location	053-005-021	Causal Part	MXENGINELABEL
Supplier Code	N/A	SRT Code	B24-06A 7.5 hrs use SRT code for entire work performed.

Parts

Parts are available from PACCAR Parts.

Refer to the attached document [R2306 Parts Matrix](#) for the necessary parts for each chassis.


Required parts may include wiring harness(es), injectors, Electronic Module CSG2 and VECU3, exhaust piping, covers, and labels.

Refer to attached [MX Emissions Label Ordering and Installation](#) document for ordering Emissions Labels if required.

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.

- 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: 1XKYD49XCSJ123456	FAMILY NAME: SPCR2TRACCG3	
EMISSIONS CONTROLS: AES, ARFATS, JRTS, JRTE, LRRR, LRRD, LRRS, TGR, TPMS, VSL, VSLE, WR		
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.

Procedure

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

Read all steps before beginning.

Ensure that DAVIE4 is updated to the latest version before connecting to any vehicle for diagnostics or software updates.

PRE-PRODUCTION PARTS RETROFIT

1. Reference the [R2306 Parts Matrix](#) to determine which parts will need to be replaced.
 - a. Refer to appropriate documentation in RMI and Kenworth ServiceNet for repair procedures relating to parts requiring upfit on the chassis you are working with.

FUEL INJECTOR UPFIT (PACCAR MX Engine ONLY)

1. Refer to RMI for Removal and Replacement procedures.

**CAUTION**

All 6 injectors must be replaced AND PCI-2 software updated in the **same service event.**

Mismatched software/injectors will cause system faults and **severe engine/aftertreatment system damage.**

2. To determine the correct “EPA24” injector part number, refer to the [R2306 Parts Matrix](#) in the links section below.

Do not use RMI for *injector* part numbers.

A TCS 365 case is required so that PACCAR Vehicle Support Center can activate the appropriate software to support the EPA24 injectors.

3. Open a TCS365 case to request EPA24 injector software update.
 1. **Open TCS365 in Google Chrome or Microsoft Edge.**
 2. **Select:** Technical Assistance.
 3. **Select Case Type:** MX Software Support.
 4. **Select Case Category:** Parameter changes.
 5. **On the MX Software Support page:** fill in the following required fields as shown:
 - **Account Name:** As appropriate for your dealer.
 - **Vehicle OEM:** Select from drop-down menu.
 - **Subject:** R2306 MY24 Retrofit
 - **Vehicle Chassis Number:** Last 8 of VIN.
 - **Description:** EPA24 Injector Upfit
 - **Vehicle Year:** 2024
 - **Area of Concern:** Engine and Aftertreatment.
 - **Customer Name:** Fleet name or, if owner operator, customer’s name.
 - **Repair Order Number:**
 - **Units:** Select from drop-down menu.
 - **Odometer:**
 - **Dealer PO #:** As appropriate for your dealer.
 - **Provided Engine Serial:** Engine Serial Number

SOFTWARE UPDATE (PACCAR MX Engine ONLY)**NOTE**

PCI-2 software update cannot be started until notified via TCS365 that the ID card update is complete.

1. Ensure DAVIE4 is up to date.
2. Connect battery charger to vehicle during programming.
3. Connect DAVIE4 to the chassis using 9-pin diagnostic connector.



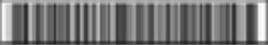
4. Download new software for the PCI-2 only.
5. Install software following the prompts in DAVIE4.
 - Refer to bulletin [E134](#) for information about programming a PACCAR MX engine.
 - Clear DTCs in all modules.

You must attach a DAVIE4 logfile to the TCS365 Label Ordering case submission below to show that software has been updated.

- Retrieve a DAVIE4 Session Report/Logfile
- Disconnect DAVIE4

EMISSIONS LABELS

1. Vehicle Emission Control Information (VECI) label:

PACCAR	VEHICLE EMISSION CONTROL INFORMATION	
VIN: 1XKYD49X0SJJ123456	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

- 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.
- Remove the old VECI label from the driver's side 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](#)"

(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](#)

[Customer Letter](#)

[R2306 Parts Matrix](#)

[MX Emissions Label Ordering and Installation](#)

[R2306 KW HD Procedures](#)

[R2306 KW MD Procedures](#)

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