

R2103 - Emissions Model Year 2021 Retrofit

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Number

R2103

Subject

Emissions Model Year 2021 Retrofit

Date

1/10/2022

Revision

06/01/2026 - Updated the point of contact for sourcing the MX Engine Overlay Harness Kits. This retrofit should have been completed by 5/15/2022 per the Action section of the bulletin. However, trucks still open in SIR are still eligible for the repairs.

12/22/2022 - Adding some provisions per Warranty. However, these retrofit repairs/changes should have been complete by 5/15/2022 per the Action section of the bulletin.

02/18/2022 - The chassis list with parts has been revised to include additional parts. In addition, procedures for many of the retrofit parts have been added due to RMI procedures either not being available or not yet updated for 2021B engines. The SRT table has been updated. Information was added about certain trucks requiring an Engine Harness update prior to updating the software.

01/24/2022 - Changed Claim Category in the PRW warranty table to Truck.

01/11/2022 - This retrofit bulletin affects both MX and Cummins-powered vehicles. Removed references to MX engines to avoid confusion.

Condition

Peterbilt has determined that certain pre-production vehicles must be updated to production levels. These vehicles have an emissions exemption expiration date of 5/15/2022.

Chassis Affected

115 (US: 110 / CA: 5) Model 365, 367, 389, 520, 567 and 579 vehicles built from 6/15/2020 through 12/11/2020 and equipped with Emissions Model Year 2021 engines and pre-production parts.

Action

Campaign

Please refer to the chassis list and ensure that the customer is aware of the complete extent of work that will be performed on their particular vehicle.

NOTE: The parts to be replaced will vary from one vehicle to another with this campaign.

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.
3. Using the attached **Chassis List with Parts**, prepare an inventory of the parts needed and **ensure all**

required parts have arrived prior to scheduling the chassis for the retrofit.

- **If an order for parts was placed prior to 2/18/2022**, check the revised Chassis List with Parts to ensure all parts have been ordered.

4. Review the DWWC or SIR for "Complete" next to the "R2103" campaign code prior to performing this repair.

This campaign must be completed by the 5/15/2022 exemption expiration date to avoid the possibility of civil fines.

If not completed by the expiration date:

- The OEM/Dealer could face civil fines per regulation 40 CFR 1068.101(b), up to \$44,539 per engine.
- Customer/Owners could face civil fines per regulation 40 CFR 1068.101(b), up to \$4,454 per engine.

Warranty

There is no time or mileage limit to this campaign, but to avoid possible fines, it must be completed by 5/15/2022. Peterbilt will pay for parts at dealer net plus applicable mark-up and labor:

- Refer to the attached **Chassis List with Parts** for the necessary parts.
- Refer to the attached **SRT Table** for the applicable SRT codes.
- File a claim in PRWS by selecting the appropriate item under 'Recommended Repairs' (may or may not be editable).
 - If Editable: Select gear icon to add Parts/Labor/Misc for extraordinary circumstances or extenuating damages.
 - If NON-Editable: File a separate supplemental claim for extraordinary circumstances or extenuating damages.

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

PRWS CLAIM CODING			
Campaign Code	R2103	Campaign Type	Retrofit
Claim Category	Truck	Repair Type	Proactive
Customer Concern Code	172	Causal Code	A1
Corrective Action Code	12	Responsibility Code	Camp
Failure Location	053-005-021	Causal Part	W34-1162-016
Supplier Code	N/A	SRT Code	Refer to attached SRT table.

CLAIM CODING			
Failure Location	053-005-021	Work Accomplished	69
Failure Type	700	Responsibility Code	09

SRT Code	Refer to attached SRT table.	Claim Type	C
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Parts

Parts are available from PACCAR Parts.

NOTE: the parts to be replaced will vary from one vehicle to another with this campaign.

Use the attached **Chassis List with Parts** to determine the parts needed for each chassis. **If an order for parts was placed prior to 2/18/2022**, check the revised Chassis List with Parts to ensure all parts have been ordered.

If one of the MX Engine Overlay Harness Kits is required per the Chassis List with Parts attachment, send an email to PPDREN.DX.Management@PACCAR.com with "R2103 Overlay" in the Subject Line and the following information in the body of the email:

Chassis Number:

Engine Harness Overlay Kit Part Number (as indicated on the Chassis List with Parts):

Dealer Code:

Dealer Mailing Address:

If an MX Emissions Label is required per the Chassis List with Parts attachment, follow the procedures below to order the label through TCS365.

TCS365 Case Creation Guide for ordering MX Emissions Label

A TCS365 case for this bulletin is required to order the appropriate label. This label will only be attached to the vehicle after all retrofit parts are installed and software has been verified.

1. Open TCS365 in Google Chrome or Microsoft Edge.
2. Select: Order Support | Order Inquiry.
3. Select Case Type: Place an Order.
4. Select Case Category: Labels
5. On the Place an Order page, fill in the following required fields as follows and fill in the other fields as appropriate:
 - Account Name: appropriate for your dealer
 - Vehicle Year: 2021
 - Subject: R2103 Label Order
 - Dealer PO #: As appropriate for your dealer
 - Part Number: MXENGINELABEL
 - Vehicle OEM: select from drop-down list
 - Vehicle Chassis Number: enter last 8 of VIN

Procedure

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

maintained.

If the attached Chassis List with Parts file shows a requirement for the MX Emissions Label, start a TCS case to get software updated.

TCS365 Case Creation Guide for MX Software

Follow this guide to create a TCS365 case for this bulletin to ensure the case is flowed to the appropriate personnel.

A TCS365 case for this bulletin is required to verify and update MX engine software for emissions compliance:

1. Open TCS365 in Google Chrome or Microsoft Edge.
2. Select Vehicle Support | 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 fields as shown and fill in the other fields as appropriate:
 - Account Name: appropriate for your dealer
 - Subject: R2103 Emissions MY21 Retrofit
 - Description: Software update for MY21 Emissions Retrofit
 - Area of Concern: Software/Programming
 - Repair Order Number: As Appropriate
 - Odometer: Current vehicle Miles/Kilometers
 - Vehicle OEM: Select from drop down menu
 - Vehicle Chassis Number: Last 8 of VIN
 - Vehicle Year: Model Year
 - Dealer PO#: PO Number
- The Vehicle Support Center will verify or update software as needed. This could take up to 24-48 hours to complete.

Install All Retrofit Parts

1. The procedure will be dependent on the parts that are required. Please see the attachments in the Links section for details.
 - **If an order for parts was placed prior to 2/18/2022**, check the revised Chassis List with Parts.
2. Install all retrofit parts.

**NOTE**

Some procedures may not be available in RMI at the time the publishing time of this bulletin. The attached procedures should be used instead of those in RMI until further notice.

**CAUTION**

If the attached **Chassis List with Parts** file shows a requirement for one of the Engine Harness Overlay Kits, refer to the **Engine Harness Overlay Kit Procedure** attached in the Links section to correct the harness. **Correct the harness before updating the MX software. PCI2 damage could result if software is loaded prior to the harness correction.**

3. If the attached Chassis List with Parts file shows a requirement for the MX Emissions Label:

- Ensure DAVIE4 is up-to-date and update the engine software as directed by the TCS case.
- Refer to bulletin E134 for information about programming a PACCAR MX engine.
- Attach the new engine label.
- Take a photo of the new label after installation and attach it to the warranty claim.

**NOTE**

Do not attach the new engine label until all retrofit parts have been installed and software has been verified. Improper Emissions labels could make dealers and drivers/owners liable for fines from regulatory agencies.

Links

[Chassis List with Parts](#)

[Chassis List with Dealer Info](#)

[SRT Table](#)

[Engine Harness Overlay Procedure](#)

[MX-11 Turbocharger Procedure](#)

[MX-13 Turbocharger Procedure](#)

[MX-11 Coolant Pump Procedure](#)

[MX-13 Coolant Pump Procedure](#)

[MX-11 Injector Procedure](#)

[MX-13 Injector Procedure](#)

[Turbo Inlet Pressure Sensor Procedure](#)

[EGR Flex Pipe Procedure](#)

[NOx Sensor Procedure](#)

[Customer Letter - English](#)

[Customer Letter - French](#)

Authored by: PR