

E285 - EPA 2021 PACCAR MX Particulate Matter Sensor and Software Emissions Recall

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Number

E285

Section

Engine - 45

Subject

EPA 2021 PACCAR MX Particulate Matter Sensor and Software Emissions Recall

Date

4/4/2022

Revision

4/22/2022 - Corrected dates in the Chassis Affected section.

4/18/2022 - Updated parts table to include the hardware needed to install the PM sensor.

4/8/2022 - Added statement to the Condition section regarding ensuring PM sensor is installed before updating related software. Added Caution box in the Procedure section.

Condition

Certain EPA 2021 MX engine-equipped chassis were built and delivered without a Particulate Matter (PM) sensor installed due to parts availability. PM sensors are now available.

Refer to the attached chassis list for the appropriate PM sensor part number for each chassis. Ensure that the correct sensor is on-hand for each chassis scheduled before beginning work. Do not update the software before installing the sensor.

Upon installation of the particulate matter sensor and updating the software, the [Y53-6162-1A1](#) PM Sensor Shortage glovebox card is **no longer applicable** to the vehicle.

Chassis Affected

2,627 (2,504 US and 123 Canadian) Model 365, 367, 389, 520, 567, and 579 chassis built from 6/01/2021 to 9/01/2021 and equipped with PACCAR EPA 2021 MX-13 and MX-11 engines.

Action

Emissions Recall

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. Refer to the chassis list and ensure that the appropriate PM sensor is on hand when the unit is scheduled for service.
3. Refer to this "E285 PM sensor Recall" bulletin when placing an order for the PM sensor. Please provide the VIN when placing the order.

4. If you are not using Service Management to start repair orders, review SIR for "Complete" or "In Process" next to the "E285" campaign code before performing this repair.
5. Follow the procedures below to install the PM sensor and update the engine software in compliance with EPA emissions standards.



CAUTION

Chassis registered in the State of California must be provided with a California Proof of Correction (POC) Certificate for this recall. See bulletin [E192](#).

Warranty

WARRANTY

There is no time or mileage limit for this emissions recall. Peterbilt will provide the PM Sensor, through PPD, and pay for labor:

Non-California Registered Chassis

- 0.5 hours labor to install the PM sensor and update the software. (Use Quick Claim Code E285G).
- 0.7 hours labor to R&R the fairing for all 579 models, install the PM sensor and update the software. (Use Quick Claim Code E285H)

California Registered Chassis

- 0.6 hours labor to install the PM sensor, update the software, and complete the California POC Certificate per bulletin [E192](#) (CRB-999) (Use Quick Claim Code E285K).
- 0.8 hours labor to R&R the fairing for 579 models, install the PM sensor, update the software, and complete the California POC Certificate per bulletin [E192](#) (CRB-999) (Use Quick Claim Code E285J).
- **USE RECALL CODE 0076 When Filling Out the POC.**

Issues that are a result of the use of DAVIE4 software versions that are less than the currently released version will not be covered by warranty. File the claim within 14 days in accordance with [Warranty Policy](#). Peterbilt dealers may perform E285 repairs on Kenworth chassis, but Quick Claims do not apply. For Kenworth chassis repairs, use the long form claim and refer to the claim codes below.

PRWS CLAIM CODING			
Campaign Code:	E285	Campaign Type	Field Repair
Claim Category:	Engine	Repair Type	Proactive
Customer Concern Code	146	Causal Code	29
Corrective Action Code	12	Responsibility Code:	SUP
Failure Location	043-006-120	Causal Part	Y53-6162-1A1
Supplier Code	87164	SRT Code	See Quick Claim Worksheet

Parts

Parts are available from PACCAR Parts.

Refer to this "E285 PM sensor Recall" bulletin when placing an order for the PM sensor. Please provide the VIN when placing the order.

Reference the attached chassis list and refer to the "Required PM Sensor" column information to verify the necessary PM sensor part number for your chassis.

Quantity	Part Number	Description
1	2160125MXC	Particulate Matter Sensor
1	2160127MXC	Particulate Matter Sensor
1	2160128MXC	Particulate Matter Sensor
2*	2131351PE*	PM Sensor Module Installation Bolt*

*Currently unavailable. **Mounting hardware can be sourced locally.** M6 X 1 X 33mm Flange Head (8mm hex head). A long form claim must be filed, in addition to the quick claim, for the mounting hardware.

Procedure

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

Refer to the attached chassis list for the appropriate PM sensor part number for each chassis. Ensure that the correct sensor is on-hand for each chassis scheduled before beginning work. Do not update the software before installing the sensor.



CAUTION

Ensure that the correct sensor is on-hand for each chassis scheduled before beginning work. Do not update the software before installing the sensor.

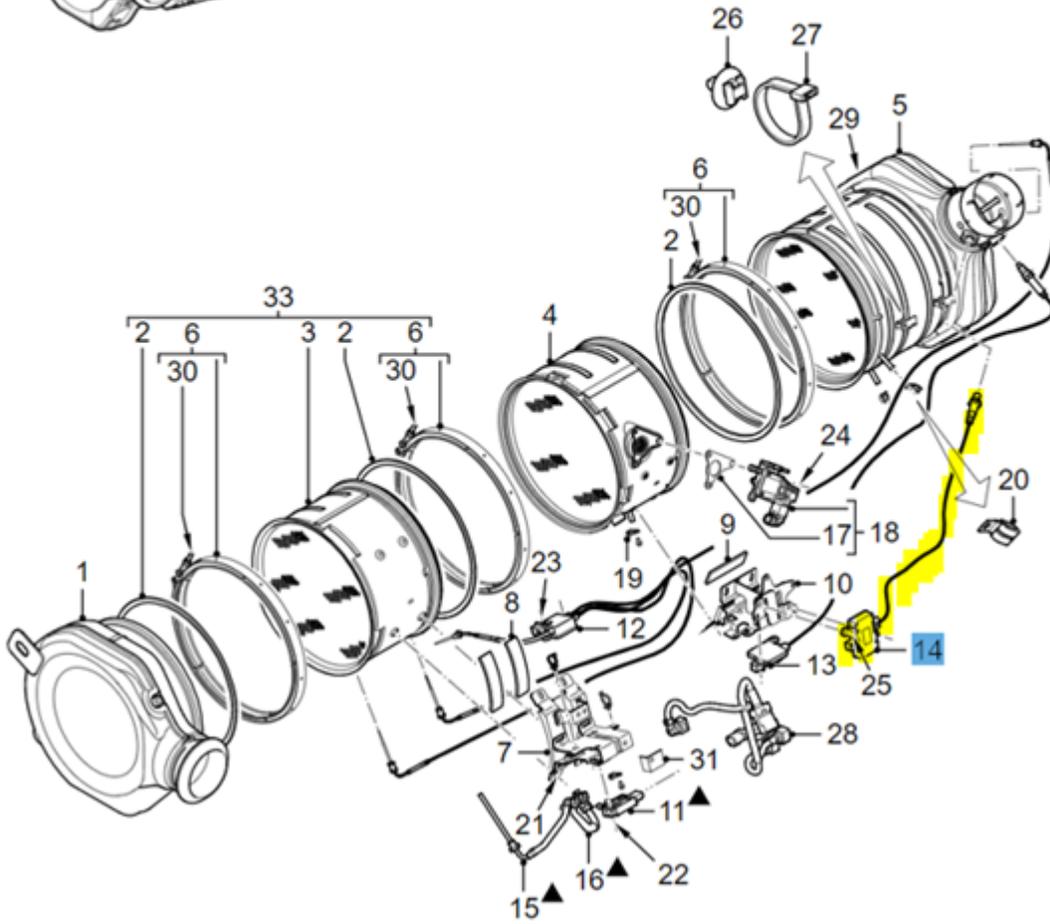
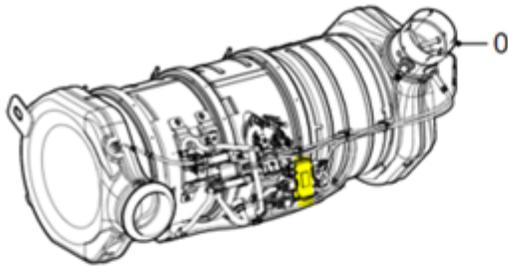
1. **To install the PM sensor, refer to RMI.**

2. **Update PCI-2 software**

- Ensure DAVIE4 is up to date
- Refer to bulletin E134 for information about programming a PACCAR MX engine.

Upon installation of the particulate matter sensor and updating the software, the [Y53-6162-1A1](#) PM Sensor Shortage glovebox card is no longer applicable to the vehicle.

If the vehicle is **registered in the State of California**, go to [E192](#), **fill out the Proof of Correction Certificate**, and provide a copy to the customer. The form **MUST** be printed on **pink** paper.



Links

[Chassis List](#)

[Customer Letter - US](#)

[Customer Letter - Canada](#)

Authored by: KP

Select the date.

EMISSIONS NON-COMPLIANCE

This notice applies to your vehicle. Your VIN(s) can be found on the bottom or back of this page.

Subject: E285 EMY2021B PACCAR MX Particulate Matter Sensor and Software Compliance
EXPIRATION DATE: NONE

Dear Peterbilt Customer,

Peterbilt has decided that certain Engine Model Year 2021B MX equipped vehicles manufactured between June 1, 2021 and November 19, 2021 fail to conform to emissions control requirements. Due to a global parts shortage, government agencies allowed temporary operation of vehicles until particulate matter (PM) sensors became available. Your vehicle has been identified as being built without a particulate matter sensor.

PM sensors are now available. To ensure that your vehicle is in compliance with current emissions standards, a particulate matter sensor must be installed and the related software must be updated.

<i>What is the problem?</i>	Your vehicle was manufactured without a particulate matter sensor.
<i>What will your dealer do?</i>	Install a particulate matter sensor and update the related software.
<i>What should you do?</i>	Contact your dealer immediately to make an appointment.

Peterbilt Motors Company has initiated this notice to remedy the issue with no charge to you. Please contact your Peterbilt dealer to schedule an appointment for these services. To find your Peterbilt dealer, please visit the Dealer Locator at www.Peterbilt.com or scan the QR code. When contacting your Peterbilt dealer, reference the PSB and VIN(s) listed in this letter. This repair may take up to 1 hour of labor depending on dealer scheduling.

For vehicles registered in California: after the recall repair is completed at the dealership, the service provider may give the registered owner a Proof of Correction certificate. This certificate will be provided to the registered owner only. If the registered owner is not present during the repair, the owner will need to provide the registered owner's mailing address to the dealership for mailing the Proof of Correction. Please save the Proof of Correction certificate, because it will be required to register the vehicle with the California Department of Motor Vehicles.

Please note, vehicle registration renewal cannot be completed and the engine cannot be legally operated in the state of California if the owner fails to bring the vehicle to an authorized dealer to complete the recall once it is available.

In order to ensure your full protection under the emission warranty provisions, it is recommended that you have your vehicle serviced as soon as possible. Failure to do so could be determined as lack of proper maintenance of your vehicle.

If you require further information about this recall, or experience any difficulty in making arrangements for this repair, please contact: Peterbilt Motors Company, 1700 Woodbrook St, Denton, TX 76205, Attn: Customer Service Department.

Federal regulation requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days. If you no longer own this vehicle, we would appreciate your advising us of the new owner if you know their name.

We apologize for any inconvenience this preventive procedure may cause and thank you for your participation in helping Peterbilt provide the highest levels of customer satisfaction and service expertise. We value your business and appreciate your ongoing loyalty to Peterbilt and its dealer network. Industry-leading quality, performance and reliability are hallmarks of Peterbilt products, and we thank you for making Peterbilt your truck of choice.

Sincerely,



Michelle Ponsonby
Director of Customer Service
Peterbilt Motors Company

Scan this QR code to open the
Peterbilt Dealer Locator.



Select the date.

EMISSIONS NON-COMPLIANCE

This notice applies to your vehicle. Your VIN(s) can be found on the bottom or back of this page.

Subject: E285 EMY2021B MX Particulate Matter Sensor and Software Compliance
EXPIRATION DATE: NONE

Dear Peterbilt Customer,

You are receiving this notice in accordance with the Canadian Environmental Protection Act of 1999.

Peterbilt has decided that certain Engine Model Year 2021B MX equipped vehicles manufactured between June 1, 2021 and November 19, 2021 fail to conform to ECCC emissions control requirements. Due to a global parts shortage, government agencies allowed temporary operation of vehicles until particulate matter (PM) sensors became available. Your vehicle has been identified as not having a Particulate Matter (PM) sensor, resulting in an emissions conformance failure. PM sensors are now available.

Failure to install a particulate matter sensor and update related software will result in improper functionality of the emissions system.

<i>What is the problem?</i>	Your vehicle was manufactured without a particulate matter sensor.
<i>What will your dealer do?</i>	Install a particulate matter sensor and update the related software.
<i>What should you do?</i>	Contact your dealer immediately to make an appointment.

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Sincerely,



Michelle Ponsonby
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