

E297 Particulate Matter (PM) Sensor Installation Verification - Pre RC6 Software Update

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Number

E297

Section

Engine - 45

Subject

Particulate Matter (PM) Sensor Installation Verification – Pre RC6 Software Update

Date

7/21/2022

Condition

Diagnostic Trouble Codes (DTCs) U1851 and 7854_9 may be set if the PM sensor is not physically installed before the RC6 software is updated.

- U1851 - PM sensor software verification reads as "Incorrect". The PCI-2 ECU (P046) detects that the Calibration Verification Number (CVN) for the PM sensor (F914) is incorrect.

Chassis Affected

All Model 365, 367, 389, 520, 567, and 579 chassis built from 6/01/2021 to 11/19/2021 and equipped with PACCAR EPA 2021 MX-11 and MX-13 engines.

Action

Information Only

This bulletin is to relay the importance of ensuring the PM sensor is physically installed on the chassis before a software update affecting the aftertreatment system is performed.

Do not allow trucks to leave without a PM sensor installed as RC6 or higher will only function with a PM sensor installed.

Parts

Information Only - No Parts Necessary

Background

Certain EPA 2021 MX engine-equipped chassis were built and delivered without a Particulate Matter (PM) sensor installed due to parts availability. When updating a truck's software to RC6 or higher, please ensure a PM sensor is physically installed. Reference E285: EPA 2021 PACCAR MX Particulate Matter Sensor and Software Emissions Recall in the Links section below.

Procedure

No Procedure Necessary

Links

[E285 - EPA 2021 PACCAR MX Particulate Matter Sensor and Software Emissions Recall](#)

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Number

E297

Section

Engine - 45

Subject

Particulate Matter (PM) Sensor Installation Verification – Pre RC6 Software Update

Date

7/27/2022

Condition

Diagnostic Trouble Codes (DTCs) U1851 and 7854-9 may be set if the PM sensor is not physically installed before the RC6 software is updated.

- U1851 - PM sensor software verification reads as "Incorrect". The PCI-2 ECU (P046) detects that the Calibration Verification Number (CVN) for the PM sensor (F914) is incorrect.

Chassis Affected

Model Year 2022 T680, T680 NextGen, T880, and W990 chassis built from 6/01/2021 to 12/16/2021 and equipped with EPA 2021 compliant PACCAR MX-13 and MX-11 engines.

Action

Information Only

This bulletin is to relay the importance of ensuring the PM sensor is physically installed on the chassis before a software update affecting the aftertreatment system is performed.

Do not allow trucks to leave without a PM sensor installed as RC6 or higher will only function with a PM sensor installed.

If the chassis does not have a PM sensor installed, refer to bulletin E285.

Parts

Information Only – No Parts Necessary

Background

Certain EPA 2021 MX engine-equipped chassis were built and delivered without a Particulate Matter (PM) sensor installed due to parts availability. When updating a truck's software to RC6 or higher, please ensure a PM sensor is physically installed. Reference E285: EPA 2021 PACCAR MX Particulate Matter Sensor and Software Emissions Recall in the Links section below.

Links

[EPA 2021 PACCAR MX Particulate Matter Sensor and Software Emissions Recall](#)