



Aftersales Service

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# E286: Engine Model Year 2021B and later PACCAR MX-11 & MX-13 Fuel Injector Adjustment During First C Service

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Number

E286

Section

Engine - 45

Subject

Engine Model Year 2021B and later PACCAR MX-11 and MX-13 Fuel Injector Adjustment During First C Service

Date

3/23/2022

Condition

**Engine Model Year (EMY) 2021B and Later MX-11 and MX-13 engines need an injector recalibration at the first C service. (150k miles for line haul or 60K miles for Vocational / Severe Duty / Refuse / Delivery)**

### Chassis Affected

All T680 NextGen, T880, and W990 chassis equipped with Engine Model Year 2021B and Later MX-11 and MX-13 engines

### Action

If a customer comes into your dealership and requests this calibration as part of the first C service, follow the procedures below to recalibrate the fuel injectors.

If the chassis is beyond its first C service interval, this test should be performed at or before the next scheduled service.

E286 will show as completed in SIR after a claim is processed.

### Warranty

Through Standard Warranty or any applicable active Extended Warranty, Kenworth will pay for applicable labor:

Please refer to the attached glovebox card (Y53-1326-1A1) for specific coverage time limits.

- For Dealers using the PRWS Warranty Application, select the Quick Claim from the Recommended Repair section.
- 0.4 hours labor to calibrate Injectors using DAVIE4, no engine (PCI-2) software update required. Use Quick Claim Code E286A.
- 0.8 hours labor to update engine (PCI-2) software and calibrate Injectors using DAVIE4. Use Quick Claim Code E286B.
  - Claim story must include engine (PCI-2) software version before and after update.
  - Claim code E286B only applies to chassis built prior to 01/10/2022
- This bulletin only applies to the injector recalibration task performed during the first C service.
- File the claim within 14 days in accordance with [CA009](#).

For cross-division repairs, refer to Warranty Policy Bulletin [CE011](#).

Kenworth dealers may perform E286 repairs on Peterbilt chassis, but Quick Claims do not apply. For Peterbilt chassis repairs, use the long claim input form in DWWC selecting "Draft/Offline Claims", the "General" tab, and in the "Type of Claim" drop-down box, select "PACCAR Engine Claim," then manually enter claim codes (Campaign #, Failure type, and SRT).

PRWS CLAIM CODING			
Campaign Code:	E286	Campaign Type	Non-Campaign

Claim Category:	Engine	Repair Type	Fix-As-Requested
Customer Concern Code	147	Causal Code	21
Corrective Action Code	53	Responsibility Code:	Camp
Failure Location	044-004-001	Causal Part	2314736PEX MX-11 Fuel Injector 2314737PEX MX-13 Fuel Injector
Supplier Code	N/A	SRT Code	<b>B44-003</b> 0.4 hrs E286 Injector Calibration per Bulletin Procedure  <b>045-969</b> 0.4 hrs Update PCI-2 software

## Parts

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Software Only - No parts required

## Background

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An injector calibration check has been added to the first C service (150k miles for line haul or 60K miles for Vocational / Severe Duty / Refuse / Delivery) for all Engine Model Year 2021B and later MX engines. Mileage and hour recommendations for C service have not changed. This injector calibration is to ensure the MX engines run at designed efficiency and power levels.

## Procedure

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

Refer to [E282](#) for identification of EMY2021B engines. EMY2021A engines do not require this procedure.

 <b>NOTE</b>
Before beginning this procedure, complete all other tasks in the C service (150k miles for line haul or 60K miles for Vocational / Severe Duty / Refuse / Delivery) according to RMI and Service Manuals.
This calibration procedure only needs to be completed at the vehicle's FIRST C service. (See RMI "Maintenance Activities" chart, Note 5)

Ensure that your DAVIE4 version is at the latest available version.

1. Start engine to warm up to operating temp. (coolant above 122°F / 50°C)
2. Visually check fuel system for leaks while engine is running.
3. Connect DAVIE4.
4. In DAVIE4, navigate to the **Verify the Injector Calibration** test under **Repair Support**.
  - o If the Injector calibration test is not available in DAVIE4, the PCI software needs to be updated to the latest available version.
  - o Update the engine software if necessary. **Ensure DAVIE4 is up-to-date**. Refer to bulletin [E134](#) for information about programming a PACCAR MX engine.
5. Run the **Verify the Injector Calibration** test.
6. Engine must be running (idle) and at operating temperatures. (coolant over 122°F/50°C)
7. Engine will run up to 1200RPM until the test completes.
8. DAVIE will show results for each injector.
  - o Service is run successfully, and compensation is applied.
  - o Any other messages in DAVIE4 are listed in RMI along with corrective actions.
9. Shut down engine and disconnect DAVIE4.

## Links

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[Y53-1326-1A1 Fuel Injector Maintenance](#)

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Authored by: JB3