

E316: PACCAR MX-13 EPA21 Main Bearing Cap Bolts

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Number

E316

Description

PACCAR MX-13 EPA21 Main Bearing Cap Bolts

Subject

PACCAR MX-13 EPA21 Main Bearing Cap Bolts

Date

5/20/2024

Condition

Certain PACCAR MX-13 engines contain bolts for the main bearing caps which may fail under certain conditions.



Dealers will remove and replace all main bearing cap bolts on affected trucks. PACCAR will proactively contact customers with chassis identified in this campaign.

The chassis list will be updated periodically based on prognostics data.

An electric nut runner will become available to order via PACCAR Parts in June 2024 to reduce labor time and increase the torque accuracy need to install the main bearing cap bolts. **This tool is NOT reimbursable through this bulletin.**

Chassis Affected

Certain T680/T880/W990 chassis equipped with EPA21 PACCAR MX-13 engines with engine serial number

Y313946 and earlier.

Action

Campaign

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. In Service Management, select Campaign **E316** 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 **E316** campaign code prior to performing this repair.
4. Follow the procedures to remove and replace the main bearing cap bolts.

Warranty

The chassis list will be updated periodically based on prognostic data. PACCAR will identify chassis, contact customer, and load chassis to PRWS and SIR.

Through Standard Warranty or any applicable active Extended Warranty, Kenworth will pay for parts at dealer net plus applicable mark-up and labor:

- 3.8 hours labor to replace the main bearing cap bolts WITHOUT electric nut runner. Use Quick Claim Code **E316A**.
- 3.0 hours labor to replace the main bearing cap bolts WITH electric nut runner. Use Quick Claim Code **E316B**
- File an additional claim for extraordinary circumstances. A quick claim for standard labor must be filed first.
- If filing a claim for cross-division repairs, be sure to select the Peterbilt specific SRT code shown in the PRWS Claim Coding table below.
- Kenworth dealers may perform E316 repairs on Peterbilt chassis, but Quick Claims do not apply. For

Peterbilt chassis repairs, use the long claim input form.

- File the claim within 14 days in accordance with Warranty Policy [CA009](#).

Take off parts disposition: Destroy take-off parts 30 days after claim is paid

PRWS CLAIM CODING			
Campaign Code:	E316	Campaign Type	Field Repair
Claim Category:	Engine	Repair Type	Proactive
Customer Concern Code	203	Causal Code	12
Corrective Action Code	03	Responsibility Code:	Camp
Failure Location	045-002-009	Causal Part	2295490PE
Supplier Code	N/A	SRT Code	Kenworth SRT Code: B24-19A 3.8 hrs E316 PACCAR MX-13 Main Bearing Cap Bolt per bulletin procedure (Hand torque) Kenworth SRT Code: B24-19B 3.0 hrs E316 PACCAR MX-13 Main

		Bearing Cap Bolt per bulletin procedure (with torque control IR gun Peterbilt SRT Code: B24-21A 3.8 hrs R&R main bearing cap bolts per E316 repair procedure (Without Nut Runner Tool) Peterbilt SRT Code: B24-21B 3.0 hrs R&R main bearing cap bolts per E316 repair procedure (With Nut Runner Tool)
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Parts

Parts are available from PACCAR Parts.

Quantity	Part Number	Description
14	2295490PE	BOLT, MAIN BEARING CAP, M18X180
2	1608394PE	RING-SEALING
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1	2234788PE	PACCAR OIL ELEMENT
11	257000-990	CHV DELO 400XLE SYN 10W30 CK-4 BULK
1	Locally Sourced	6ml Loctite 243
1	Locally	Loctite 7063 or equivalent

Quantity	Part Number	Description
	Sourced	
1	Locally Sourced	Loctite SI 5970 or equivalent
Up to 5	Locally Sourced	Cable Ties

An electric nut runner will become available via PACCAR Parts in June 2024 to reduce labor time and increase the torque accuracy need to install the main bearing cap bolts. **This tool is NOT reimbursable through this bulletin.**

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.

See procedures documents in the links section for more info.

Links

[Chassis List](#)

[Procedures Document – WITHOUT NUT RUNNER TOOL](#)

[Procedures Document – WITH NUT RUNNER TOOL](#)

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