

E316 - PACCAR MX-13 EPA21 Main Bearing Cap Bolts

Number

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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 via PACCAR Parts in June 2024 to reduce labor time and increase the torque accuracy to install the main bearing cap bolts. **This tool is NOT reimbursable through this bulletin.**

Chassis Affected

Certain Peterbilt model 365, 367, 389, 567, 579, and 589 chassis equipped with an EPA21 PACCAR MX-13 engine with 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” 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, Peterbilt 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 Recommended Repair Code **E316A**.
- **3.0 hours** labor to replace the main bearing cap bolts WITH electric nut runner. Use Recommended Repair Code **E316B**.
- For extraordinary circumstances please use code **E316**, add from “Recommended Repairs”, and then select the gear icon to edit Parts/Labor/Misc.
- For any supplemental repairs, file a long form claim and input (**E316**) in the “Campaign Code” field.
- File the claim within 7 days in accordance with warranty policy.
- For cross-division repairs, please refer to Peterbilt warranty policy. Recommended Repair codes listed above do not apply to cross-division repairs.

- If filing a claim for cross-division repairs, be sure to select the Kenworth specific SRT code shown in the PRWS Claim Coding table below.

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

PRWS CODING TABLE			
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:	<u>Peterbilt</u> <u>SRT Code</u> B24-21A 3.8 hours R&R main bearing cap bolts per E316 repair procedure (Without Nut

			Runner Tool)
			<u>Peterbilt</u> <u>SRT Code:</u> B24-21B 3.0 hours R&R main bearing cap bolts per E316 repair procedure (With Nut Runner Tool)
			<u>Kenworth</u> <u>SRT Code:</u> B24-19A 3.8 hours R&R main bearing cap bolts per E316 repair procedure (Without Nut Runner Tool)
			<u>Kenworth</u> <u>SRT Code:</u> B24-19B 3.0 hours 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 SYNBS 10W30 CK-4 BULK
1	Source Locally	6mL Loctite 243 or equivalent
1	Source Locally	Loctite 7063 or equivalent
1	Source Locally	Loctite SI 5970 or equivalent
Up to 5	Source Locally	Cable Ties

An electric nut runner will become available via PACCAR Parts in June 2024 to reduce labor time and increase the torque accuracy 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 appropriate procedure document in the Links section of this bulletin.

Links

[E316 - Repair Procedure Without Nut Runner](#)

[E316 - Repair Procedure With Nut Runner](#)

[E316 - Chassis List](#)