

# E311: PACCAR MX-13 EPA2017 Prognostic Repair - Camshaft

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## Number

E311

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## Description

PACCAR MX-13 EPA2017 Prognostic Repair - Camshaft

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## Subject

PACCAR MX-13 EPA2017 Prognostic Repair - Camshaft

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## Date

4/5/2024

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## Revision

08/18/2025 Condition, Chassis Affected, and Warranty sections updated with the following verbiage "E311 must be flagged and open in Service Information Record (SIR) at the time of RO open date to qualify." Also, "Through Standard Warranty or any applicable active Extended Warranty" verbiage was removed from Warranty section.

02/24/2025 Chassis list updated.

11/18/2024 Take off parts disposition has been changed from "Ship take-off parts to PACCAR Technical Center" to "Destroy take-off parts 30 days after claim is paid".

05/10/2024 SRT codes B24-08C/D/E/F/G/H added to the "Warranty" section table. "Procedure" section now includes oil filter inspection process. For information, webcast link "PACCAR Powertrain Prognostics Webcast" has been added to the "Procedure" section.

05/07/2024 Chassis list updated.

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## Condition

E311 must be flagged and open in Service Information Record (SIR) at the time of RO open date to qualify.

PACCAR will proactively contact the customers with the chassis identified in this campaign and coordinate with dealers to schedule the repair based on part and dealer availability. If a truck is in your shop and it is flagged

in SIR, please proceed with this repair. We also welcome dealers to proactively contact customers based on the list updated regularly in SIR.

## Chassis Affected

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Chassis equipped with PACCAR EPA2017 MX-13 EMY2017-2021 identified through the use of prognostics.

E311 must be flagged and open in Service Information Record (SIR) at the time of RO open date to qualify.

## Action

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### Campaign

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

1. In Service Management, select Campaign **E311** 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.
2. If you are not using Service Management to start repair orders, review SIR for "Complete" or "In Process" next to the **E311** campaign code prior to performing this repair.
3. Follow repair process in "Procedures" section.

## Warranty

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

E311 must be flagged and open in Service Information Record (SIR) at the time of RO open date to qualify.

Kenworth will pay for parts at dealer net plus applicable mark-up and labor:

Recommended Repair quick claim codes listed below are editable. After selecting, click the gear icon to add Parts/Labor/Misc.

**For EMY2017-2021 PACCAR MX-13 engines in chassis built prior to 4/19/2019, use editable Quick Claim E311A.**

**For EMY2019-2021 PACCAR MX-13 engines in chassis built on or after to 4/20/2019, use editable Quick**



battery disconnect and Oil filter inspection).

**B24-08E**

27.6 labor hours  
For T680 chassis Camshaft R&R (Includes battery disconnect, bumper removal and Valve train noise, excessive valve lash diagnostic tree).

**B24-08F**

27.5 labor hours  
For Non-T680 chassis Camshaft R&R (Includes battery disconnect and Valve train noise, excessive valve lash diagnostic tree).

**B24-08G**

2.6 labor hours  
For T680 chassis Camshaft R&R (Includes battery disconnect, bumper

			removal and Valve train noise, excessive valve lash diagnostic tree).  <b>B24-08H</b> 2.5 labor hours For Non-T680 chassis Camshaft R&R (Includes battery disconnect and Valve train noise, excessive valve lash diagnostic tree).
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## Parts

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Parts are available from PACCAR Parts.

The parts list below is not exhaustive. Please refer to RMI to determine if additional parts are required.

Quantity	Part Number	Description
1	2342017PE	Camshaft Replacement Kit, MX-13, EPA17
1	2111441PE	Oil Pan Gasket, MX-13, EPA17
1	2245295PE	Camshaft, MX-13, EPA17

## Procedure

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

### Information:

An overview on the power, process, and implementation of prognostics on MX Engines can be found on our Kenworth Dealer Training website. Click on this link and log in to be directed to the [PACCAR Powertrain](#)

**Procedure:**

1. On PACCAR.net, open RMI and enter the VIN to get chassis specific repair instructions.
2. Search for diagnostic procedure: "Valve train noise, excessive valve lash, and/or excessive wear metals in oil pan or oil filter."
3. Perform step one of procedure - remove and inspect the oil filter for metal debris to determine if the camshaft has experienced significant wear:
  - a. Remove oil filter.
  - b. Use a box knife to cut filter media from filter housing.
  - c. Fold filter media so pleats are stacked on top of each other.
  - d. Place folded filter media into a vice and squeeze out excess oil.
  - e. Spread out filter media onto a clean work surface and inspect for metal debris.
    - i. **If no metal debris is found**, replace camshaft per RMI procedures (in RMI search "Replace including tappets camshaft, engine (Basic assembly)."
    - ii. **If metal debris is found**, complete the remaining steps in the "Valve train noise, excessive valve lash, and/or excessive wear metals in oil pan or oil filter" diagnostic procedure.

Links

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[Chassis List](#)

[PACCAR Powertrain Prognostics Webcast.](#)