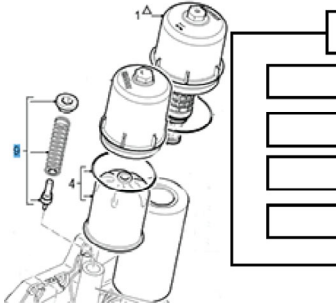




Technical Information Bulletin

E261



Section

Engine - 45

Subject

PACCAR MX-13 EPA2017 Oil Thermostat and Filter Cap Replacement with Oil Survey

Release Date

2/14/2020

Revision

02/28/2020: Revised oil filter pleat inspection and added oil thermostat replacement instructions.

02/19/2020: The population for this campaign has been expanded and the chassis list has been updated. A special survey form link has been added for cross-division repairs has been added to the Procedure section. An explanation of parts availability has been added to the Parts section.

Condition

PACCAR MX-13 EPA2017 engines may have a faulty Oil Bypass Valve located in the Oil Filter Cap assembly. The plastic retaining tabs could break off and put the lubrication system into an unfiltered state. An improved oil thermostat is also available for this same population of vehicles and will be installed at this time.

PACCAR is conducting an engine oil survey to study the effect of engine oil on engine longevity. While the customer is in the dealership for this repair, complete the Oil Survey with input from the customer.

Chassis Affected

Specific chassis with EPA2017 MX-13 engines. See the chassis list.

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. If you are not using Service Management to start repair orders, review SIR for "Complete" or "In Process" next to the "E261" campaign code prior to performing this repair.
3. **If the chassis is flagged in SIR for campaign "E252", the [E252](#) campaign MUST be performed first.** Follow the procedures below to replace the oil filter cap and oil thermostat.
4. Use the link next to the chassis number in the attached Chassis List to help the customer complete the oil survey. If you are working with a Peterbilt chassis, see the survey form link in the Procedure.

i	NOTE
There will be several phases and combinations of Camshaft Inspection (E252) and Oil Thermostat/ Oil Filter Cap (E258 or E261) campaigns; therefore, check SIR for chassis specific OPEN campaigns to avoid over-repair.	

Warranty

For repairs completed by 02/01/2021, Kenworth will pay for parts at dealer net plus applicable mark-up and labor:

- 0.5 hours labor to replace the oil thermostat and the oil filter cap and assist the customer with the oil survey. Use Quick Claim Code E261A.
 - This quick claim is only applicable if the survey is completed.
- 0.4 hours labor to replace the oil thermostat and the oil filter cap. Use Quick Claim Code E261B.
 - Use this quick claim if the customer is not able to assist with completing the survey.
- File an additional claim for extraordinary circumstances. A quick claim for standard labor must be filed first.
- File the claim within 14 days in accordance with Warranty Policy [C-A-009](#).

Direct Fleets and Dealer Sponsored Fleets Warranty (DSFW) may not use quick claims when submitting for repairs on chassis related to this bulletin but must submit a long form specifying part numbers, quantities, and pricing for parts used in the repair. Submittal of a Quick Claim for repairs made by the Fleet will be denied as pricing is incorrect on quick claims.

Kenworth dealers may perform E261 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).

**Take-Off Parts Disposition: Ship oil filter cap to Warranty Returns Center with ship code WP.
Destroy the oil thermostat.**

CLAIM CODING			
Failure Location:	045-011-015	Work Accomplished:	35
Failure Type:	700	Responsibility Code:	01
SRT Code:	042-560 0.3 hrs. Replace oil thermostat 045-804 0.1 hrs. Replace oil filter cap 101-113 0.1 hrs. Complete the oil survey	Claim Type:	F
		Campaign Field:	E261

Parts

Parts are available from PACCAR Parts.

Dealers on MDI have been prestocked with 2 kits each. Dealer orders will be limited to 2 kits per dealer per day. If a defined need for a larger one

time buy is required, work with your DPM.

Quantity	Part Number	Description
1	2271135PE	Oil Thermostat / Cap Kit

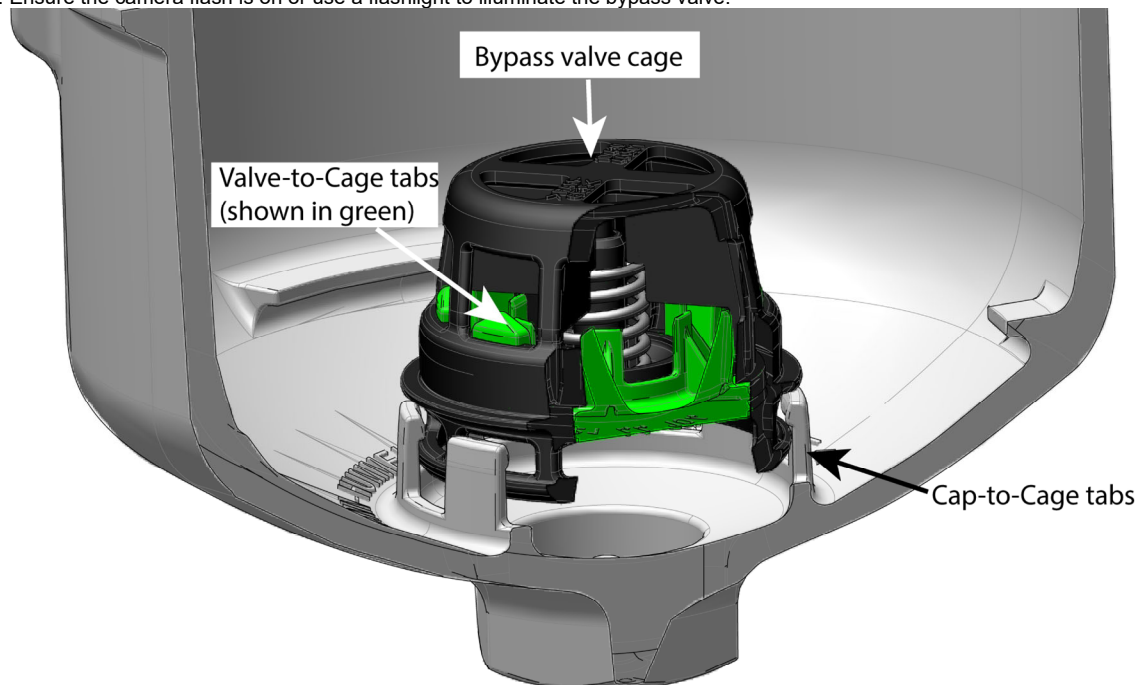
Procedure

- Complete the Oil Survey with customer input.
 - To open the survey form, open the Chassis List and click the survey link for the chassis number.

i	NOTE
Use this survey form link for Peterbilt chassis.	

- On the Engine Oil Module, remove the filter cap.
- Remove the oil filter cartridge.
- Carefully, without damaging the filter, inspect the oil filter cartridge pleats for debris. If significant debris is found, take photos. The oil filter will have small amounts of debris as by design function of the oil filtration system.
 - A replacement oil filter is not included with this repair.
- Inspect the retaining tabs that hold the bypass valve cage to the filter cap and the tabs that hold the bypass valve to the cage. If any of them are broken, take clear photos.

TIP: Ensure the camera flash is on or use a flashlight to illuminate the bypass valve.



- If broken bypass valve tabs are found or debris is found in the filter pleats, start a TCS365 case and await instructions from the VSC. Provide the following information in the case:
 - If tabs are broken
 - if significant debris was found in the filter pleats
 - attach photos
- Refer to the following procedure for the Lubricating Oil Thermostat replacement procedure. When the procedure is published in RMI, this bulletin will be updated to reference the procedure in RMI.

Removing thermostat, lubricating oil

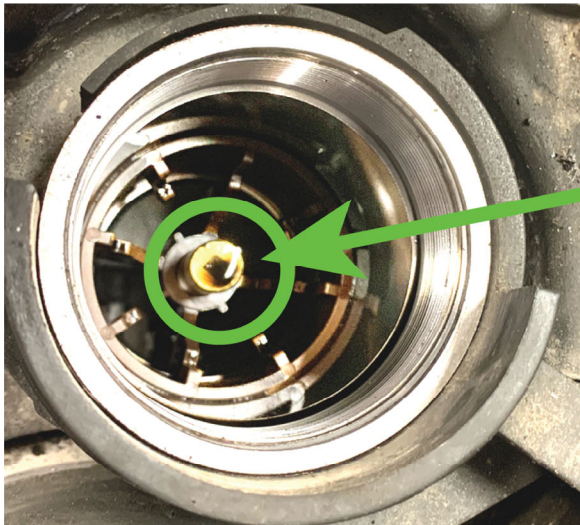
- Remove the sealing plug (1) with the sealing ring.

i	NOTE
<ul style="list-style-type: none"> Use a 3/4" drive 19 mm hex socket and 3/4" drive breaker bar The plug is spring preloaded 	

- Remove the spring from the oil module.
- Use pliers to grasp the thermostat, then remove the thermostat (2) and sleeve valve (3) together.

i	NOTE
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Removing the sleeve valve (3) without holding the thermostat may cause the thermostat to separate from the valve and drop into the oil cooler.



Grasp here with pliers

Installing thermostat, lubricating oil

1. Fit the thermostat/ sleeve valve assembly and spring.
2. Fit the sealing plug (1) with a new sealing ring and tighten to the specified torque. (184 lb-ft, [250Nm])

 NOTE
Use a 3/4" drive 19 mm hex socket and 3/4" drive torque wrench.

Attachments

 [E261 Chassis List](#)

Authored by: OF

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Service Bulletin

E261

Section

45 - Engine-MX

Description

Oil Thermostat and Filter Cap Replacement with Oil Survey

Release Date

2/14/2020

Revision History

02/28/2020 - Added a note to procedure step 4 regarding the oil filter.

02/19/2020 - Added a note to the Parts section regarding daily order limit. The chassis list has also been updated. A link to a special survey form has been added for Kenworth trucks repaired at a Peterbilt dealership.

02/17/2020 - Reworded the description of the issue in the Introduction section.

Introduction

Peterbilt has determined that certain vehicles equipped with PACCAR MX-13 EPA2017 engines may have a faulty Oil Bypass Valve located in the Oil Filter Cap assembly. The plastic retaining tabs could break off and put the lubrication system into an unfiltered state. An improved oil thermostat is also available for this same population of vehicles and will be installed at this time.

PACCAR is conducting an engine oil survey to study the effect of engine oil to engine longevity. While the customer is in the dealership for this repair, collect the necessary data for the survey.

Resolution

Campaign

Service all affected chassis that enter your dealership even if the customer identifies no problems 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. If you are not using SmartLINQ Service Management to start repair orders, review SIR for "Complete" next to the "E261" campaign code prior to performing this repair.
 3. **If the chassis is flagged in SIR for campaign "E252," the E252 campaign must be performed first.** Follow the procedures below to replace the thermostat and the filter cap.
 4. Use the link next to the chassis number in the attached Chassis List to complete the oil survey with the customer.
-

**NOTE**

There will be several phases and combinations of Camshaft Inspection (E252) and Oil Thermostat/Oil Filter Cap (E258 or E261) campaigns; therefore, check SIR for chassis specific OPEN campaigns to avoid over-repair.

Warranty

Through Standard Warranty or for repairs completed by 2/01/2021, whichever is greater, Peterbilt will pay for parts at dealer net plus applicable mark-up and labor:

- 0.5 hours labor to replace the oil thermostat and the oil filter cap and assist the customer with the oil survey. Use Quick Claim Code E261A.
 - This quick claim is only applicable if the survey is completed.
- 0.4 hours labor to replace the oil thermostat and the oil filter cap. Use Quick Claim Code E261B.
 - Use this quick claim if the customer is not able to assist with completing the survey.
- File an additional claim for extraordinary circumstances. A quick claim for standard labor must be filed first.
- Direct Fleets and Dealer Sponsored Fleets (DSF) may not use quick claims when submitting for repairs on chassis related to this bulletin but must submit a long form specifying part numbers, quantities, and pricing for parts used in the repair. Submittal of a Quick Claim for repairs made by the Fleet will be denied as pricing is incorrect on quick claims.
- Peterbilt dealers may perform E261 repairs on Kenworth chassis, but Quick Claims do not apply. For Kenworth chassis repairs, file a long form claim and use the claim codes below.
 - For Kenworth chassis repaired at a Peterbilt dealership, use the Survey Link in the Procedure section.

For Field...	Enter...
Failure Location	045-011-015
Failure Type	700
Claim Type	C
Campaign Number	E261
Labor	SRT 042-560 0.3 hours to replace the oil thermostat SRT 045-804 0.1 hours to replace the oil filter cap SRT 101-113 0.1 hours to complete the oil survey

Take off parts disposition: Return the Oil Filter Caps to WRC. Destroy the Thermostats 30 days after the claim has been paid.

Parts

Parts are available through PACCAR Parts.

Dealers on MDI have been prestocked with 2 kits each. Dealer orders will be limited to 2 kits per dealer per day. If a defined need for a larger one time buy is required, work with your DPM.

Quantity	Part Number	Description
1	2271135PE	Oil Thermostat / Cap Kit

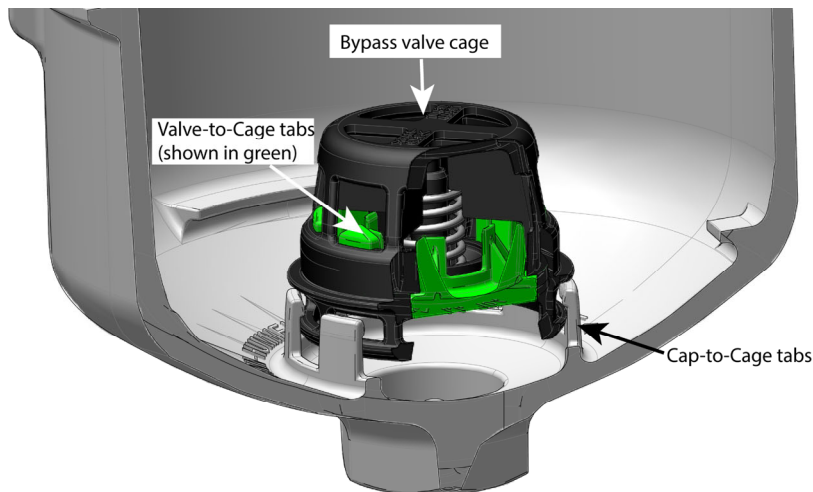
Procedure

1. Work with the customer to complete the Oil Survey. **The link to the correct Oil Survey can be found in the attached Chassis List, next to the Chassis Number.**

i NOTE

Use this [survey form link](#) for Kenworth chassis ONLY.

2. On the Engine Oil Module, remove the filter cap and replace with a new one.
3. Remove the oil filter cartridge.
4. Carefully, without damaging the filter, inspect the oil filter cartridge pleats for debris. If debris is found, take clear photos.
 - A replacement oil filter is not included for this repair.
5. Inspect the retaining tabs that hold the bypass valve cage to the filter cap and the tabs that hold the bypass valve to the cage. If any of them are broken take clear photos.
 - Tip: Ensure the camera flash is on or use a flashlight to illuminate the bypass valve.
6. If broken bypass valve tabs are found or debris is found in the filter pleats, start a TCS365 case and await instructions from the VSC. Provide the following information in the case:
 - If tabs are broken
 - If there is debris in the filter pleats
 - Attach photo



7. Refer to RMI for the Lubricating Oil Thermostat replacement procedure.

Attachments

[Chassis List](#)

Authored by: PR

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