



A **PACCAR** COMPANY

Kenworth Truck Company
Customer Service Department
PO Box 1000
Kirkland, Washington 98083-1000
(425) 828-5000

Date of Letter

Subject: TIME-SENSITIVE NOTICE REGARDING YOUR PACCAR MX ENGINE
ESB E159 – PACCAR MX Retrofit to MY2016 Standards - HVAC Bracket
EXPIRATION DATE: NONE
The VINs are listed on the back of this page

Customer name
Customer address
City, State ZIP

Dear Kenworth Customer,

Certain pre-production vehicles manufactured from 09/21/2015 through 11/20/2015 were sold with temporary emissions exemptions that will soon expire. You have been identified as owning one or more such vehicles and are eligible for a free campaign to upgrade emissions components on your chassis with newer production parts to ensure your vehicle remains compliant with all applicable emissions standards. Owners who fail to obtain the available upgrades may be subject to civil penalties for noncompliance.

Owners of vehicles not in compliance by **XX/XX/XXXX** may be subject to fines.

<i>The problem is...</i>	Your pre-production vehicle's emissions exemption is about to expire.
<i>What your dealer will do...</i>	Update your vehicle to maintain emissions compliance.
<i>What you must do ...</i>	Contact your Kenworth Dealer to schedule an appointment for repair

Please contact your nearest Kenworth dealer. To find your nearest Kenworth dealer, please visit Dealer Locator at www.Kenworth.com. This repair may take up to **5.0 hours** of labor, depending on vehicle configuration, and will be performed at no charge to you. If you had this repair performed before you received this letter, you may be eligible to receive reimbursement for the cost of obtaining a pre-notification remedy of the problem associated with this campaign.

If you require further information about this campaign, reimbursement of a pre-notification remedy associated with this campaign or experience any difficulty in making arrangements for this repair, please contact: Kenworth Truck Company, P.O. Box 1000, Kirkland, WA 98083-1000, Attn: Customer Service Department, phone 425-828-5000.

Federal regulation requires that any vehicle lessor receiving this campaign notice must forward a copy of this notice to the lessee within ten days. If you no longer own this vehicle, we would appreciate your advising us of the new owner if you know their name.

We regret any inconvenience that this work may cause you and appreciate your cooperation in this matter.

Thank you,

Shondip Chakravarty
Director of Customer Service
Kenworth Truck Company



Technical Information Bulletin

E159



Section

Miscellaneous

Subject

PACCAR MX Retrofit to MY2016 Standards – HVAC Bracket

Release Date

4/28/2017

Condition

Pre-production PACCAR engines must have the following components replaced to remain emissions compliant:

- Tensioner pulley
- HVAC bracket
- Front engine mount
- Back pressure valve (BPV)
- Exhaust gas recirculation (EGR) valve
- Environmental Protection Agency (EPA) engine label
- Engine software update

Chassis Affected

11 Kenworth chassis built from 09/21/2015 through 11/20/2015 equipped with PACCAR MX-13 EPA2013 MY2016 pre-production engines.

Action

CAMPAIGN

1. Review the attached chassis list by dealer code.
2. Confirm with the customer that your dealership will be the repairing location before ordering parts.
3. Order parts (see “Parts” section and “Parts by Chassis” list below).
4. Do an inventory of the parts to ensure all available parts have arrived prior to scheduling the customer in for the retrofit.



NOTE

The vehicles included in this campaign have engine emissions exemptions that expire on 11/06/2017, or, 12/08/2017. Customers failing to replace the test exemption label could face fines up to \$3,750 per day, per vehicle.

Before performing any PACCAR MX campaign on a Peterbilt chassis, verify that the Peterbilt chassis is included in that campaign via Service Information Record (SIR) just as you would for a Kenworth chassis.

Warranty

There is no time or mileage limit for this emissions recall. Kenworth will pay for parts at dealer net plus applicable mark-up and labor:

- 4.75 hours labor to retrofit all chassis to current production specifications. (Use Quick Claim Code E159A).
- 4.75 hours labor to retrofit all chassis to current production specifications. (Use Quick Claim Code E159B).
- 4.75 hours labor to retrofit all chassis to current production specifications. (Use Quick Claim Code E159C).
- File an additional claim for extraordinary circumstances. A quick claim for standard labor must be filed first.

Quick Claim Chart E159A (All other chassis)		
Operation	Time (Hours)	SRT Code
R&R BPV	1.3	043-680
R&R EGR	1.2	043-500
R&R engine mount	0.5	014-031
R&R tensioner pulley	0.1	045-681
R&R HVAC bracket	0.1	001-054
R&R A/C receiver dryer (Includes \$4 for additional refrigerant) - F37-1022-100	0.3	001-011
R&R EPA label	0.1	101-041
Software update	0.35	045-986
R&R A/C compressor (includes alternator R&R)	0.8	001-049
Total Labor Time/Quick Claim Code	4.75	E159A

Quick Claim Chart For Chassis 120486		
Operation	Time (Hours)	SRT Code

R&R BPV	1.3	043-680
R&R EGR	1.2	043-500
R&R engine mount	0.5	014-031
R&R tensioner pulley	0.1	045-681
R&R HVAC bracket	0.1	001-054
R&R A/C receiver dryer (Includes \$4 for additional refrigerant) - F37-1019	0.3	001-011
R&R EPA label	0.1	101-041
Software update	0.35	045-986
R&R A/C compressor (includes alternator R&R)	0.8	001-049
Total Labor Time/Quick Claim Code	4.75	E159B

Quick Claim Chart For Chassis 470668/470669		
Operation	Time (Hours)	SRT Code
R&R BPV	1.3	043-680
R&R EGR	1.2	043-500
R&R engine mount	0.5	014-031
R&R tensioner pulley	0.1	045-681
R&R HVAC bracket	0.1	001-054
R&R A/C receiver dryer (Includes \$4 for additional refrigerant) - F37-1022-200	0.3	001-011
R&R EPA label	0.1	101-041
Software update	0.35	045-986
R&R A/C compressor (includes alternator R&R)	0.8	001-049
Total Labor Time/Quick Claim Code	4.75	E159C

i	NOTE
<p>Kenworth dealers may perform E159 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).</p>	

CLAIM CODING			
Failure Location:	013-009-003	Work Accomplished:	35
Failure Type:	800	Responsibility Code:	01
SRT Code:	Per quick claim	Claim Type:	F

Take-Off Parts Disposition: Destroy take-off parts.

Parts

Parts are available from PACCAR Parts.

i	NOTE
<p>If more than one part number is listed for your chassis, reference the attached chassis list for the correct part number for that vehicle.</p>	

Quantity	PPD P/N (Order this)	Description
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1	2027600PE	HVAC bracket
1	2019364PE	Accessory belt tensioner pulley
1	2121832PE	Front engine mount
2	K169-163-20CA	Locking hex nut - M20
4	HWC12501	Locking hex nut - M16
1	2104977PE	BPV
2	1819005PE	Flange bolt
1	1899870PE	Insulating ring
1	1816833PE	Exhaust gasket
2	1979194PE	V-band clamp
2	2007404PE	Coolant pipe O-ring
3	2007405PE	Coolant pipe O-ring
1	1982775PE	Coolant pipe O-ring
1	1858036PE	Coolant pipe usit ring
1	1886111PE	Exhaust pipe gasket
1	1976457PE	V-band clamp
1	2104977PE	EGR valve
1	2128862PE	Control valve
1	1976452PE	Clip, hose/pipe
1	1860417PE	Pipe, flexible
1	1976451PE	V-band clamp
3	2035973PE	Exhaust gasket, EGR
1	1974191PE	Coolant pipe O-ring
1	1977943PE	Coolant pump O-ring
1	1786103PE	gasket, air inlet
1	1976452PE	V-band clamp
1 gal	EC3501	TRP Extended Life Coolant
1	MXENGINELABEL	Engine EPA label (See NOTE)
1	RC1	Engine software update
1	F37-1022-100 “-OR-“ F37-1022-200 “-OR-“ F37-1019	HVAC receiver dryer



NOTE

To order a replacement EPA label, follow the steps outlined in this procedure: [PACCAR MX - Compliance Label Replacements](#).

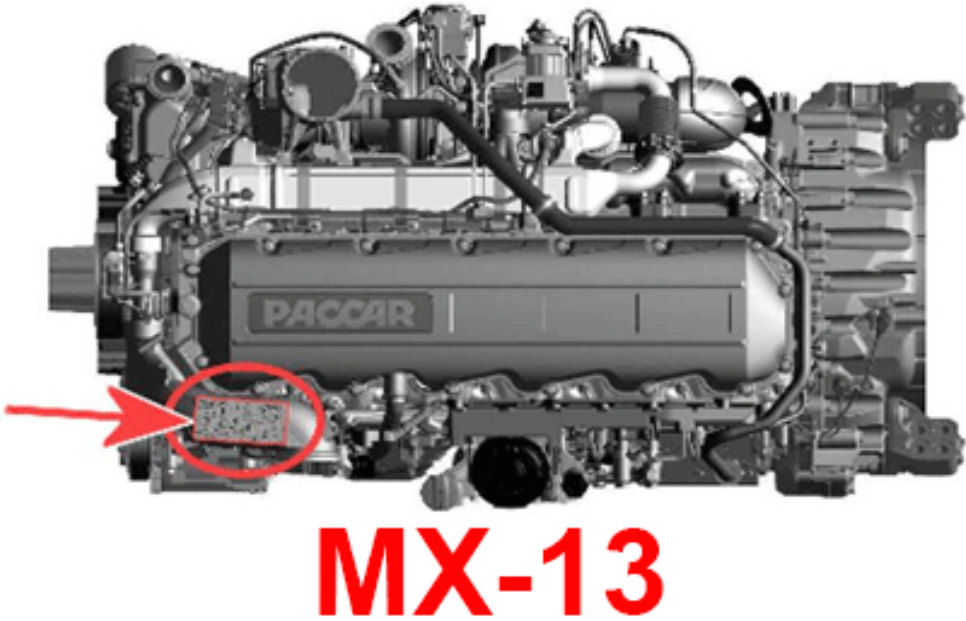
Background

The EPA allows pre-production engines to be installed in customer-owned vehicles on the condition that those engines are later updated to the EPA-emissions-certified production engine specifications and components.

Procedure

Follow the procedures for each component, as outlined in Engine Rapido, unless otherwise noted.

Part	Rapido Job Code (If available)
ECU	Replace ECU, engine management system - J 1444 430226 001 000
Alternator	Remove the alternator to gain access to the A/C compressor.
	Remove the A/C compressor to gain access to the HVAC bracket: Service Manual KM811250

<p>HVAC bracket & receiver dryer</p>	<ul style="list-style-type: none"> ● Refrigerant recovery/evac./recharge: Pg. 5-2 through 5-8 ● Compressor replacement: Pg. 10-20 ● Receiver Dryer: Pg. 10-26 (The receiver dryer should be replaced any time the A/C system is opened) <p>Replace Back Pressure Valve with straight exhaust pipe (Aftertreatment, eng.) - J 1435 264414 001 000</p>
<p>Tensioner pulley</p>	<p>Replace Back Pressure Valve with straight exhaust pipe (Aftertreatment, eng.) - J 1435 264414 001 000</p>
<p>Front engine mount</p>	<p>Replace front engine bracket (Eng. mountings, engine) - J 1431 366800 001 136</p>
<p>BPV</p>	<p>Replace Back Pressure Valve with straight exhaust pipe (Aftertreatment, eng.) - J 1435 264414 001 000</p>
<p>EGR</p>	<p>Replace EGR control valve (EGR system) - J 1419 264407 001 000</p>
<p>Engine software</p>	<ul style="list-style-type: none"> ● Step 1) PEP Software Update (Must be performed to avoid damage to ECU) ● Step 2) Follow the update procedures found on page 13 of the DAVIE4 workbook – “Vehicle Update – Programming ECUs”
<p>Engine EPA label</p>	<p>Verification:</p> <p>To qualify for the new label each engine must have the latest software version.</p> <p>PACCAR MX - Compliance Label Replacements</p> <p>Installation:</p> <ol style="list-style-type: none"> 1) Remove the Test Exemption EPA/CARB label from the engine's valve cover or intake pipe. This label MUST be removed before installing the replacement label. 2) The EPA/CARB label must be placed on the intake pipe as shown below. <div style="text-align: center;">  <p>MX-13</p> </div> <ol style="list-style-type: none"> 3) Take a photo of the new label after installation and attach it to your warranty claim.

Attachments

 [Chassis List](#)

 [Customer Letter](#)

Authored by: GH

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