

E318 - EPA21 PACCAR MX Fuel Injector and Software Update

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Number

E318

Description

EPA21 PACCAR MX Fuel Injector and Software Update

Subject

EPA21 PACCAR MX Fuel Injector and Software Update

Date

6/6/2025

Condition

Selected EPA2021 compliant PACCAR MX-11 or MX-13 engines identified by PACCAR.

E318 must be flagged and open in Service Information Record (SIR) at the time of RO open date to qualify.

If a truck is in your shop and it is flagged in SIR, please proceed with this installation. We also welcome dealers to proactively contact customers based on the regularly updated chassis list.

Chassis Affected

Selected chassis equipped with EPA2021 compliant PACCAR MX-11 or MX-13 engines identified by PACCAR. See linked chassis list.

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Action

Campaign

Newly designed fuel injectors are available for EPA2021 compliant PACCAR MX-series engines to optimize engine performance.

Repair vehicles as software and parts are available. The chassis list will be updated as software is available for each batch of chassis.

 CAUTION
Software/injector mismatch can cause severe engine and aftertreatment damage.
ONLY replace injectors and update software on chassis when customers have been notified and vehicles are flagged in SIR.

1. Review the attached chassis list for your dealer code and schedule your customer(s) for service if their chassis is on the list.

E318 must be flagged and open in Service Information Record (SIR) at the time of RO open date to qualify.

2. Confirm with the customer that your dealership will be the repairing location before ordering parts.
3. Ensure all parts and special tools have arrived before scheduling the customer for repair.
4. In Service Management, select Campaign E318 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.
5. If you are not using Service Management to start repair orders, review SIR for “Complete” next to the E318 Campaign code prior to performing this repair.
6. Follow the procedures in the Procedure section to replace 6 injectors and update engine PCI-2 software.

Warranty

The chassis list will be updated periodically. PACCAR will identify and load chassis to PRWS and SIR.

E318 must be flagged and open in Service Information Record (SIR) at the time of RO open date to qualify.

Peterbilt will pay for parts at dealer net plus applicable mark-up and labor.

A required spacer tool set is now available to streamline the injector replacement process. The spacer tool set allows certain fuel system components to be loosened instead of removed to provide access to the injectors. See Bulletin [98-031](#) for details. Tools are not reimbursable through this Bulletin

If a Fuel Injector part number other than those specifically listed in Recommended Repairs G, H, J, K, or L (2461236PEX or 2461235PEX) is used, file claim using editable Recommended Repair E318.

USE THE FOLLOWING RECOMMENDED REPAIRS WHEN NOT USING THE NEW SPACER TOOL SET:

- **5.9 hours** to replace 6 injectors and update PCI-2 software on **PACCAR MX-13 engines in 579 chassis**. Use Recommended Repair code **E318G**. (2461236PEX)
- **5.5 hours** to replace 6 injectors and update PCI-2 software on **PACCAR MX-13 engines in 389, 567 and 589 chassis**. Use Recommended Repair code

E318H. (2461236PEX)

- **4.1 hours** to replace 6 injectors and update PCI-2 software on **PACCAR MX-11 engines**. Use Recommended Repair code **E318J.** (2461235PEX)

USE THE FOLLOWING RECOMMENDED REPAIRS WHEN USING THE NEW SPACER TOOL SET:

- **4.1 hours** to replace 6 injectors and update PCI-2 software on **PACCAR MX-13 engines in 579 chassis**. Use Recommended Repair code **E318K.** (2461236PEX)
- **3.7 hours** to replace 6 injectors and update PCI-2 software on **PACCAR MX-13 engines in 389, 567 and 589 chassis**. Use Recommended Repair code **E318L.** (2461236PEX)
- For supplemental claims, file a long form claim and use E318 in the “Campaign Code” field.
- File the claim within 7 days in accordance with Warranty Policy.
- Peterbilt dealers may perform E318 repairs on Kenworth chassis, but Recommended Repairs do not apply. For Kenworth chassis repairs, use long form claim and enter E318 in the “Campaign Code” field.

Take-Off Parts Disposition: Return removed injector cores through EZTrac.

PRWS CLAIM CODING			
Campaign Code:	E318	Campaign Type:	Field Repair
Claim Category:	Engine	Repair Type:	Proactive
Customer Concern Code:	337	Causal Code:	A1
Corrective Action Code:	12	Responsibility Code:	Camp
Failure Location:	044-014-001	Causal Part:	2403776PEX
Supplier Code:	N/A	SRT Code:	B24-45A 5.9 hours Replace 6 injectors and update PCI-2 software on MX-13 per bulletin procedure E318 (model 579 Without

Spacer Tool Set).
B24-45B
5.5 hours
Replace 6 injectors and update PCI-2 software on MX-13 per bulletin procedure E318 (models 389, 567 and 589 Without Spacer Tool Set).
B24-45C
4.1 hours
Replace 6 injectors and update PCI-2 software on MX-11 per bulletin procedure E318.
B24-45D-
4.1 hours
Replace 6 injectors and update PCI-2

			software on MX-13 per bulletin procedure E318 (579 With Spacer Tool Set). B24-45E 3.7 hours Replace 6 injectors and update PCI-2 software on MX-13 per bulletin procedure E318 (389, 567, 589 With Spacer Tool Set).
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Parts

Parts are available from PACCAR Parts.

Parts Required - MX-13		
Quantity	Part Number	Description
1	2461236PEX	Injector, MX-13, EPA21/24 (Package of 6)

Parts Required - MX-13		
Quantity	Part Number	Description
Only use fuel injector part numbers below if 2461236PEX is not available.		
1	2434417PEX	INJECTOR, MX-13, EPA21/24 (Package of 6)
OR		
6	2426856PEX	INJECTOR, MX-13, EPA21/24 (Package of 1)
6	1313120PE	Flange Bolt, 10.9
1	2105834	Valve Cover Gasket
1	2105835	Valve train casing gasket
1	1858035	Usit Ring
As Needed	EC3501 (US) EC7501 (Canada)	Coolant
As Needed	Source Locally	Cable Ties
Partial Container Needed	Source Locally	Electrical Contact Cleaner
Partial Container Needed	Source Locally	Loctite 242 Thread Locker or equivalent
The following parts are used ONLY when performing this repair WITHOUT SPACER		

Parts Required - MX-13		
Quantity	Part Number	Description
TOOL SET.		
Injector Replacement Parts – MX-13		
Quantity	Part Number	Description
1	2272926	Fuel Filter Element Set (With O-Rings)
1	2138144	Gasket, Oil Fill Pipe
1	2253166	O-ring (Fuel Filtration Module mounting)
1	2253167	Sealing Ring (Fuel Filtration Module mounting)
1	F37-1022-100	Dryer-Receiver with Dye
Partial Container Needed (Max 8oz)	D14858530	Refrigerant, R134a
Partial Container Needed (Max 2oz)	LM1020	Oil-PAG, 250cc (A/C oil, SP15)

Parts Required - MX-11		
Quantity	Part Number	Description
1	2461235PEX	Injector, MX-11, EPA21/24 (Package of 6)
Only use fuel injector part numbers below if 2461235PEX is not available.		
6	2426855PEX	INJECTOR, MX-11, EPA21/24 (Package of 1)
OR		
1	2434418PEX	INJECTOR, MX-11, EPA21/24 (Package of 6)
6	1313120PE	Flange bolt 10.9
1	2272926	Fuel Filter Element Set (With O-Rings)
1	1900010	Valve cover gasket
1	1917012	Flange gasket (inlet manifold)
1	1876805	O-ring (EGR pipe to venturi)
1	2235755	Sealing Ring (Inlet horn to venturi)
1	2015102	O-ring (non-return valve)
1	2004292	O-Ring (injector leak pipe)
Partial Container Needed	Source Locally Available at	P-80 Lubricant or equivalent (EGR pipe O-ring)

Parts Required - MX-11		
Quantity	Part Number	Description
	Primo Supply	
As Needed	EC3501 (US) EC7501 (Canada)	Coolant
As Needed	Source Locally	Cable Ties
Partial Container Needed	Source Locally	Electrical Contact Cleaner
Partial Container Needed	Source Locally	Loctite 242 Thread Locker or equivalent

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.

Ensure that DAVIE4 is updated to the latest version before connecting to any vehicle for diagnostics or software updates.

 CAUTION
All 6 injectors must be replaced AND PCI-2 software updated in the same service event. Mismatched software/injectors will cause system faults and severe engine/aftertreatment system damage.

1. Order parts **as shown in Parts section (above)** for engine type.
 - Do not use RMI for *injector* Part Numbers.
 - Ensure all parts have arrived before beginning installation.
2. Replace all 6 injectors with new Package 2 injectors. See parts section for current Injector PN's.
3. A required spacer tool set is now available to streamline the injector replacement process. The spacer tool set allows certain fuel system components to be loosened instead of removed to provide access to the injectors. See Bulletin [98-031](#) for details. Tools are not reimbursable through this Bulletin.
4. Follow the attached procedures document for engine and chassis type.

**NOTE**

On warranty claim, use injector PN's stamped on the injectors.

Other PN's (from ECAT or RMI) may not be the actual installed injectors and could result in delayed or denied claims.

Links

[E318 - Chassis List](#)

[E318 - MX-13 Procedure for 579 - With Spacer Tool Set](#)

[E318 - MX-13 Procedure for 579 - Without Spacer Tool Set](#)

[E318 - MX-13 Procedure for 389_567_589 - With Spacer Tool Set](#)

[E318 - MX-13 Procedure for 389_567_598 - Without Spacer Tool Set](#)

[E318 - MX-11 Procedure](#)

