

E318: EPA 2021 PACCAR MX Fuel Injector and Software Update

Number

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E318

Subject

EPA 2021 PACCAR MX Fuel Injector and Software Update

Date

6/6/2025

Revision

07/09/2026: The Condition, Chassis Affected, Service Action, Warranty, and Procedure sections have been updated to include the latest prognostics bulletin verbiage. The Warranty section has also been updated to include Peterbilt specific SRT codes for filing cross-division repairs.

08/25/2025: Required Spacer Tool Set **MUST** be used as of 09/01/2025. All quick claims for labor without spacer tool set will expire as of 09/01/2025.

07/01/2025: Bulletin has been updated with new procedures that include the use of the recently released spacer tool set as defined in 98-031. Warranty section has been updated to include new quick claim codes for repairs that use the new Spacer Tool Set.

06/20/2025: Updated Chassis list - Added 2 chassis.

Condition

Leveraging PACCAR’s advanced Prognostic prediction algorithms, certain chassis equipped with EPA 2021 compliant PACCAR MX-11 or MX-13 engines will receive proactive replacement instructions

for the fuel injectors to maximize uptime and maintain optimal performance.

E318 must be flagged and open in SIR at the time of the repair order (RO) open date to qualify.

Only trucks with an active standard or applicable extended warranty will be included in this campaign. Trucks flagged in SIR whose warranty expires will be removed. If a repair is performed on a chassis flagged in SIR after warranty expiration, PACCAR will consider payment on a case-by-case basis.

Chassis Affected

Certain chassis equipped with EPA 2021 compliant PACCAR MX-11 or MX-13 engines will be identified through the Prognostic Program in SIR as described above.

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 **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.
3. 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.
4. Follow the procedures in the Procedure and Links sections to replace 6 fuel injectors and update the engine PCI2 software.

Warranty

Starting on **06/06/2025**, Kenworth will pay for parts at dealer net plus applicable mark-up and labor:

PACCAR will identify and load chassis to PRWS and SIR.

E318 must be flagged and open in SIR at the time of RO open date to qualify.

The required spacer tool set MUST be used as of 09/01/2025. All recommended repairs for labor without the spacer tool set will expire as of 09/01/2025.

- 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 [TIB 98-031](#) for details. Tools are not reimbursable through this Bulletin.

E318A and E318C will be expired as of 09/01/2025

- **5.9 hours** to replace 6 fuel injectors and update the PCI-2 software on **PACCAR MX-13 engines in T680 chassis without spacer tool set**. Select Recommended Repair Code **E318A**.
- **4.1 hours** to replace 6 fuel injectors and update the PCI-2 software on **PACCAR MX-11 engines**. Select Recommended Repair Code **E318B**.
- **5.5 hours** to replace 6 fuel injectors and update the PCI-2 software on **PACCAR MX-13 engines in T880/W990 chassis without spacer tool set**. Select Recommended Repair Code **E318C**.
- **4.1 hours** to replace 6 fuel injectors and update the PCI-2 software on **PACCAR MX-13 engines in T680 chassis with spacer tool set**. Select Recommended Repair Code **E318D**.
- **3.7 hours** to replace 6 fuel injectors and update the PCI-2 software on **PACCAR MX-13 engines in T880/W990 chassis with spacer tool set**. Select Recommended Repair Code **E318E**.
- File an additional claim for extraordinary circumstances. A recommended repair for standard labor must be filed first.
- Kenworth dealers may perform E318 repairs on Peterbilt chassis, but Recommended Repair Codes do not apply. For Peterbilt chassis repairs, use the long form claim.
- If filing a claim for cross-division repairs, be sure to select the Peterbilt specific SRT codes shown in the PRWS Claim Coding table below.
- File the claim within 14 days in accordance with the Warranty Policy.

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:	173	Causal Code:	A1

Corrective Action Code:	12	Responsibility Code:	Camp	
Failure Location:	045-021-003 (Electronic Control Module)	Causal Part:	2300479PEX (Engine Control Module)	
Supplier Code:	N/A	SRT Code:	KW SRT Codes B24-45A 5.9 hrs Replace 6 injectors and update PCI-2 software on MX-13 per bulletin procedure E318 (T680) B24-45B 4.1 hrs Replace 6 injectors and update PCI-2 software on MX-11 per bulletin procedure E318 B24-45C 5.5 hrs Replace 6 injectors and update PCI-2	PB SRT Codes B24-45A 5.9 hours Replace 6 injectors and update PCI-2 software on MX-13 per bulletin procedure E318 (model 579Without 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

			software on MX-13 per bulletin procedure E318 (T880, W990) B24-45D 4.1 hrs Replace 6 injectors (With spacer tools and cleaning tubes) and update PCI-2 software on MX-13 per bulletin procedure E318 (T680) B24-45E 3.7 hrs Replace 6 injectors (With spacer tools and cleaning tubes) and update PCI-2 software on MX-13 per bulletin procedure E318 (T880, W990)	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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For campaign filing questions, reference Kenworth bulletin CB077.

Parts

Parts are available from PACCAR Parts.

Injector Replacement Parts – MX-13		
Quantity	Part Number	Description
6	2426856PEX	Injector, MX-13, EPA21/24 (Package of 1)
OR		
1	2434417PEX OR 2461236PEX	INJECTOR, MX-13, EPA21/24 (Package of 6)
6	1313120PE	Flange Bolt, 10.9
1	2105834	Valve Cover Gasket
1	2105835	Valve train casing gasket
2	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 TOOL SET		
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

Injector Replacement Parts – MX-13		
Partial Container Needed (Max 8oz)	D14858530	Refrigerant, R134a
Partial Container Needed (Max 2oz)	LM1020	Oil-PAG, 250cc (A/C oil, SP15)

Injector Replacement Parts – MX-11		
Quantity	Part Number	Description
6	2426855PEX	Injector, MX-11, EPA21/24 (Package of 1)
OR		
1	2434418PEX OR 2461235PEX	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 Primo Supply	P-80 Lubricant or equivalent (EGR pipe O-ring)
As Needed	EC3501 (US) EC7501 (Canada)	Coolant
As Needed	Source Locally	Cable Ties

Injector Replacement Parts – MX-11		
Partial Container Needed	Source Locally	Electrical Contact Cleaner
Partial Container Needed	Source Locally	Loctite 242 Thread Locker or equivalent

Procedure



WARNING!

Repair or maintenance procedures may pose a safety risk in limited circumstances. You must read all procedure steps before performing any work and follow all dealership safety procedures or precautions. Failure to comply may result in death, personal injury, equipment damage, or property damage.

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



CAUTION

All 6 fuel injectors must be replaced AND the PCI-2 software updated in the **same service event**.

Mismatched software/injectors will cause system faults and **severe engine/aftertreatment system damage**.

Please see the Links section below for vehicle model and engine specific procedures on removing and replacing 6 fuel injectors and programming the PCI2

- Order parts as shown in the Parts section (above) for engine type.
 - Do not use RMI for *injector* part numbers.
 - Ensure all parts have arrived before beginning installation.
- Replace all 6 injectors with new Package 2 injectors. See the Parts section for current injector part numbers.
- The required spacer tool set MUST be used as of 09/01/2025. All recommended repairs for**

labor without the spacer tool set will expire as of 09/01/2025.

- 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 [TIB 98-031](#) for details. Tools are **not reimburseable** through this bulletin.

**NOTE**

On the warranty claim, use the injector part numbers stamped on the injectors.

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

Links

[E318: EPA 2021 PACCAR MX Fuel Injector and Software Update - Chassis List](#)

The required spacer tool set MUST be used as of 09/01/2025. All recommended repairs for labor without the spacer tool set will expire as of 09/01/2025.

[E318: EPA 2021 PACCAR MX Fuel Injector and Software Update - Procedure – T680 MX-13 - Without Spacer Tool Set](#)

[E318: EPA 2021 PACCAR MX Fuel Injector and Software Update - Procedure – T880/W990 MX-13 - Without Spacer Tool Set](#)

[E318: EPA 2021 PACCAR MX Fuel Injector and Software Update - Procedure – MX-11](#)

[E318: EPA 2021 PACCAR MX Fuel Injector and Software Update - Procedure – T680 MX-13 – With Spacer Tool Set](#)

[E318: EPA 2021 PACCAR MX Fuel Injector and Software Update - Procedure – T880/W990 MX-13 – With Spacer Tool Set](#)

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Date

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Revision

07/09/2026: The Condition, Chassis Affected, Service Action, Warranty, and Procedure sections have been updated to include the latest prognostics bulletin verbiage. The Warranty section has also been updated to include Kenworth specific SRT codes for filing cross-division repairs.

10/13/2025: Chassis list updated. Total chassis count is 3,944.

10/03/2025: Chassis list updated to include 458 additional chassis. Total chassis count is 4,144.

8/25/2025: Required Spacer Tool Set MUST be used as of 9/1/2025. All recommended repairs for labor without spacer tool set will expire as of 9/1/2025.

7/1/2025: Bulletin has been updated with new procedures that include the use of the recently released spacer tool set as defined in 98-031. Warranty section has been updated to include new recommended repair codes for repairs that use the new Spacer Tool Set.

Condition

Leveraging PACCAR's advanced Prognostic prediction algorithms, certain chassis equipped with EPA 2021 compliant PACCAR MX-11 or MX-13 engines will receive proactive replacement instructions for the

fuel injectors to maximize uptime and maintain optimal performance.

E318 must be flagged and open in SIR at the time of the repair order (RO) open date to qualify.

Only trucks with an active standard or applicable extended warranty will be included in this campaign. Trucks flagged in SIR whose warranty expires will be removed. If a repair is performed on a chassis flagged in SIR after warranty expiration, PACCAR will consider payment on a case-by-case basis.

Chassis Affected

Certain chassis equipped with EPA 2021 compliant PACCAR MX-11 or MX-13 engines will be identified through the Prognostic Program in SIR as described above.

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 **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.
3. 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.
4. Follow the procedures in the Procedure and Links sections to replace 6 fuel injectors and update the engine PCI2 software.

Warranty

Starting on **06/06/2025**, Peterbilt will pay for parts at dealer net plus applicable mark-up and labor:

PACCAR will identify and load chassis to PRWS and SIR.

E318 must be flagged and open in SIR at the time of the RO open date to qualify.

The required spacer tool set MUST be used as of 09/01/2025. All recommended repairs for labor without the spacer tool set will expire as of 09/01/2025.

- 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 the claim using editable recommended repair E318.

E318G and E318H will be expired as of 09/01/2025

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

- **5.9 hours** to replace 6 fuel injectors and update the PCI-2 software on **PACCAR MX-13 engines in 579 chassis**. Select Recommended Repair Code **E318G**. (2461236PEX)
- **5.5 hours** to replace 6 fuel injectors and update the PCI-2 software on **PACCAR MX-13 engines in 389, 567 and 589 chassis**. Select Recommended Repair Code **E318H**. (2461236PEX)
- **4.1 hours** to replace 6 fuel injectors and update the PCI-2 software on **PACCAR MX-11 engines**. Select Recommended Repair Code **E318J**. (2461235PEX)

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

- **4.1 hours** to replace 6 fuel injectors and update the PCI-2 software on **PACCAR MX-13 engines in 579 chassis**. Select Recommended Repair Code **E318K**. (2461236PEX)
- **3.7 hours** to replace 6 fuel injectors and update the PCI-2 software on **PACCAR MX-13 engines in 389, 567 and 589 chassis**. Select Recommended Repair Code **E318L**. (2461236PEX)
- File an additional claim for extraordinary circumstances. A recommended repair for standard labor must be filed first.
- Peterbilt dealers may perform E318 repairs on Kenworth chassis, but Recommended Repair Codes do not apply. For Kenworth chassis repairs, use the long form claim.
- If filing a claim for cross-division repairs, be sure to select the Kenworth specific SRT codes shown in the PRWS Claim Coding table below.

- File the claim within 14 days in accordance with the Warranty Policy.

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:	PB SRT Codes 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	KW SRT Codes B24-45A 5.9 hrs Replace 6 injectors and update PCI-2 software on MX-13 per bulletin procedure E318 (T680) B24-45B 4.1 hrs Replace 6 injectors and update PCI-2 software on MX-11 per bulletin

and 589 Without Spacer Tool Set).	procedure E318
B24-45C 4.1 hours Replace 6 injectors and update PCI-2 software on MX-11 per bulletin procedure E318.	B24-45C 5.5 hrs Replace 6 injectors and update PCI-2 software on MX-13 per bulletin procedure E318 (T880, W990)
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).	B24-45D 4.1 hrs Replace 6 injectors (With spacer tools and cleaning tubes) and update PCI-2 software on MX-13 per bulletin procedure E318 (T680)
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).	B24-45E 3.7 hrs Replace 6 injectors (With spacer tools and cleaning tubes) and update PCI-2 software

			on MX-13 per bulletin procedure E318 (T880, W990)
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For campaign filing questions, reference Peterbilt Warranty Procedure Manual – Section 8.

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)
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	EC3501 (US)	Coolant

Parts Required - MX-13		
Quantity	Part Number	Description
Needed	EC7501 (Canada)	
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 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	D14858530	Refrigerant, R134a

Parts Required - MX-13		
Quantity	Part Number	Description
(Max 8oz)		
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

Parts Required - MX-11		
Quantity	Part Number	Description
		(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 Primo Supply	P-80 Lubricant or equivalent (EGR pipe O-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

Procedure

**WARNING!**

Repair or maintenance procedures may pose a safety risk in limited circumstances. You must read all procedure steps before performing any work and follow all dealership safety procedures or precautions. Failure to comply may result in death, personal injury, equipment damage, or property damage.

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

**CAUTION**

All 6 fuel injectors must be replaced
AND the PCI-2 software updated in
the **same service event**.

Mismatched software/injectors will
cause system faults and **severe
engine/aftertreatment system
damage**.

Please see the Links section below for vehicle model and engine specific procedures on removing and replacing 6 fuel injectors and programming the PCI2

1. Order parts as shown in the 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 the Parts section for current injector part numbers.
3. **The required spacer tool set MUST be used as of 09/01/2025. All recommended repairs for labor without the spacer tool set will expire as of 09/01/2025.**
 - 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 [TIB 98-031](#) for details. Tools are **not reimbursable** through this bulletin.

**NOTE**

On the warranty claim, use the injector part numbers stamped on the injectors.

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

Links

[E318: EPA 2021 PACCAR MX Fuel Injector and Software Update - Chassis List](#)

Required Spacer Tool Set **MUST** be used as of 09/01/2025. All recommended repairs for labor without spacer tool set will expire as of 09/01/2025.

[E318: EPA 2021 PACCAR MX Fuel Injector and Software Update - MX-13 Procedure for 579 - With Spacer Tool Set](#)

[E318: EPA 2021 PACCAR MX Fuel Injector and Software Update - MX-13 Procedure for 579 - Without Spacer Tool Set](#)

[E318: EPA 2021 PACCAR MX Fuel Injector and Software Update - MX-13 Procedure for 389_567_589 - With Spacer Tool Set](#)

[E318: EPA 2021 PACCAR MX Fuel Injector and Software Update - MX-13 Procedure for 389_567_598 - Without Spacer Tool Set](#)

[E318: EPA 2021 PACCAR MX Fuel Injector and Software Update - MX-11 Procedure](#)