

E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement

Number

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E338

Description

EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement

Subject

EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement

Supplier

Phinia

Date

4/8/2026

Condition

This condition could result in injector tip damage and potential secondary engine concerns. Affected chassis will receive upgraded fuel injectors.

Chassis Affected

525 (465 US and 60 Canada) vehicle model year 2022-2025 T680 / T880 / W990 manufactured between 3/31/2021 and 1/18/2024 equipped with EPA21 PACCAR MX engines

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 **E338** 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" or "In Process" next to the **E338** campaign code prior to performing this repair.

4. Follow the appropriate model-specific procedures in the Links section to replace 6 fuel injectors .

Warranty

Warranty

For chassis listed as having Pack 2 injectors on the chassis list :

Starting on **04/08/2026** and for repairs completed by **05/01/2027**, Kenworth will pay for parts at dealer net plus applicable mark-up and labor:

- **4.7 hours** to replace 6 injectors on **PACCAR MX-11** engines in T680 Next Gen / chassis. Select Recommended Repair Code **E338B..**
- **4.5 hours** to replace 6 injectors on **PACCAR MX-13** engines in T680 Next Gen / chassis. Select Recommended Repair Code **E338C.**
- **4.7 hours** to replace 6 injectors on **PACCAR MX-11** engines in T680 Classic / T880 / W990 chassis. Select Recommended Repair Code **E338D.**
- **4.0 hours** to replace 6 injectors on **PACCAR MX-13** engines in T680 Classic / T880 / W990 chassis. Select Recommended Repair Code **E338E.**

For chassis listed as having Pack 1 injectors on the chassis list :

- **5.1 hours** to upfit 6 injectors on **PACCAR MX-11** engines in T680 Next Gen / chassis. Select Recommended Repair Code **E338B..**
- **4.8 hours** to upfit 6 injectors on **PACCAR MX-13** engines in T680 Next Gen / chassis. Select Recommended Repair Code **E338C.**
- **5.0 hours** to upfit 6 injectors on **PACCAR MX-11** engines in T680 Classic / T880 / W990 chassis. Select Recommended Repair Code **E338D.**
- **4.3 hours** to upfit 6 injectors on **PACCAR MX-13** engines in T680 Classic / T880 / W990 chassis. Select Recommended Repair Code **E338E.**

For all chassis:

- If the part number for the injector 6 pack is not available to order, order 6 individual injectors per the parts section below. Select **editable** Recommended Repair Code **E338** and input the parts and labor used.
- File an additional claim for extraordinary circumstances. A Recommended Repair for standard labor

must be filed first.

- File the claim within 14 days in accordance with the Warranty Policy.
- Kenworth dealers may perform E338 repairs on Peterbilt chassis, but Recommended Repairs do not apply. For Peterbilt chassis repairs, use the long claim input form.

Take off parts disposition:

- Ship to supplier per ship code

PRWS CLAIM CODING			
Campaign Code:	E338	Campaign Type	Field Repair
Claim Category:	Engine	Repair Type	Proactive
Customer Concern Code	007	Causal Code	A1
Corrective Action Code	12	Responsibility Code:	CampSupp
Failure Location	044-014-001	Causal Part	2426856 (MX-13 Injector)
Supplier Code	77009	SRT Code	B26-22A 4.4 hours Bulletin E338: Injector R&R MX-11 Pack 2-2 (520) Per Bulletin Procedure B26-22B 4.7 hours Bulletin E338: Injector R&R MX-11 Pack 1-2 (520) Per Bulletin Procedure B26-22C MX-11: 4.7 HRS / MX-13: 4.5 HRS Bulletin E338: Injector R&R MX-13/MX-

			11 Pack 2-2 T680NG/New579 Per Bulletin Procedure B26-22D MX-11: 5.1 HRS / MX-13: 4.8 HRS Bulletin E338: Injector R&R MX-13/MX- 11 Pack 1-2 T680NG/New579 Per Bulletin Procedure B26-22E MX-11: 4.7 HRS / MX-13: 4 HRS Bulletin E338: Injector R&R MX-13/MX- 11 Pack 2-2 T680/T880/W990/579/567 Per Bulletin Procedure B26-22F MX-11: 5 HRS / MX-13: 4.3HRS Bulletin E338: Injector R&R MX-13/MX- 11 Pack 1-2 T680/T880/W990/579/567 Per Bulletin Procedure B26-22G 3.9 HRS Bulletin E338: Injector R&R on MX-13 Pack 2-2 365/367/389 Per Bulletin Procedure B26-22H 4.2HRS Bulletin E338: Injector R&R on MX-13 Pack 1-2 365/367/389 Per Bulletin Procedure
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Parts

Parts are available from PACCAR Parts.

Injector Replacement Parts – MX-13		
Quantity	Part Number	Description
6	2477785PEX	Injector, MX-13,

Injector Replacement Parts – MX-13		
Quantity	Part Number	Description
		EPA21/24 (Package of 1) (Only use if 6 pack is not available)
OR		
1	2434417PEX	INJECTOR, MX-13, EPA21/24 (Package of 6)
1	2272926 PE	Fuel Filter Element Set (With O-rings)
6	1313120PE	Flange bolt 10.9 (Injector hold-down bolts)
1	2105834	Gasket, Valve Cover
1	2105835	Gasket, Valve Train Casing
2	1858035PE	Ring-Seal, 9X16X1.5 (Usit Ring)
As Needed (Up to 1 gallon for top-off)	Source Locally	Coolant
As Needed	Source Locally	Cable Ties
Partial Container Needed	Source Locally	Electrical Contact Cleaner (Up to ½ container per vehicle)

Injector Replacement Parts – MX-11		
Quantity	Part Number	Description
6	2477784PEX	Injector, MX-11 EPA21/24 (Package of 1) (Only use if 6 pack is not available)
OR		
1	2491046PEX	INJECTOR, MX-11, EPA21/24 (Package of 6)
6	1313120PE	Flange bolt 10.9 (Injector hold-down bolts)
1	2272926PE	Fuel Filter Element Set (With O-Rings)
1	1900010PE	Gasket, Valve Cover
1	1917012PE	Flange gasket (inlet manifold)
1	1876805PE	O-ring (EGR pipe to venturi)
1	2235755PE	Sealing Ring (Inlet horn to venturi)
1	2015102PE	O-ring (non-return valve)

Injector Replacement Parts – MX-11		
Quantity	Part Number	Description
Partial Container Needed	Source Locally Available at Primo Supply	P-80 Lubricant or equivalent (EGR pipe O-ring)
As Needed (Up to 1 gallon for top-off)	Source Locally	Coolant
As Needed	Source Locally	Cable Ties
Partial Container Needed (Up to ½ container per vehicle)	Source Locally	Electrical Contact Cleaner
Partial Container Needed (Up to ½ container per vehicle)	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.

Please see the Attachments section below for procedures on replacing injectors on specific chassis.

Links

[E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement – KW Chassis List](#)

[E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement – PB Chassis List](#)

[E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement – KW Customer Letter](#)

[E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement – T680 Classic / T880 / W990 / Model 567 / 579 Classic – MX-13 Repair Procedure](#)

[E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement – Model 365 / 367 / 389 – MX-13 Repair Procedure](#)

[E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement – T680 Next Gen / New Model 579 – MX-13 – Repair Procedure](#)

[E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement – All Models – MX-11 – Repair Procedure](#)

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Description

EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement

Subject

EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement

Supplier

Phinia

Date

4/8/2026

Condition

This condition could result in injector tip damage and potential secondary engine concerns. Affected chassis will receive upgraded fuel injectors.

Chassis Affected

483 (438 US and 45 Canada) vehicle model year 2020-2025 Model 365 / 367 / 389 / 520 / 567 / 579 manufactured between 7/29/2019 and 1/19/2024 equipped with EPA21 PACCAR MX engines

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 **E338** 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" or "In Process" next to the **E338** campaign code prior to performing this repair.
4. Follow the appropriate model-specific procedures in the Links section to replace 6 fuel injectors .

Warranty

Warranty

For chassis listed as having Pack 2 injectors on the chassis list :

Starting on **04/08/2026** and for repairs completed by **05/01/2027**, Peterbilt will pay for parts at dealer net plus applicable mark-up and labor:

- **4.4 hours** to replace 6 injectors on **PACCAR MX-11** engines in Model 520 chassis. Select Recommended Repair Code **E338A** .
- **4.7 hours** to replace 6 injectors on **PACCAR MX-11** engines in New Model 579 chassis. Select Recommended Repair Code **E338B**..
- **4.5 hours** to replace 6 injectors on **PACCAR MX-13** engines in New Model 579 chassis. Select Recommended Repair Code **E338C**.
- **4.7 hours** to replace 6 injectors on **PACCAR MX-11** engines in Model 567 / 579 Classic chassis. Select Recommended Repair Code **E338D**.
- **4.0 hours** to replace 6 injectors on **PACCAR MX-13** engines in Model 567 / 579 Classic chassis. Select Recommended Repair Code **E338E**.
- **3.9 hours** to replace 6 injectors on **PACCAR MX-13** engines in Model 365 / 367 / 389 chassis. Select Recommended Repair Code **E338F**.

For chassis listed as having Pack 1 injectors on the chassis list :

Starting on **04/08/2026** and for repairs completed by **05/01/2027**, Peterbilt will pay for parts at dealer net plus applicable mark-up and labor:

- **4.7 hours** to upfit 6 injectors on **PACCAR MX-11** engines in Model 520 chassis. Select Recommended Repair Code **E338A** .
- **5.1 hours** to upfit 6 injectors on **PACCAR MX-11** engines in New Model 579 chassis. Select Recommended Repair Code **E338B**..
- **4.8 hours** to upfit 6 injectors on **PACCAR MX-13** engines in New Model 579 chassis. Select Recommended Repair Code **E338C**.
- **5.0 hours** to upfit 6 injectors on **PACCAR MX-11** engines in Model 567 / 579 Classic chassis. Select Recommended Repair Code **E338D**.
- **4.3 hours** to upfit 6 injectors on **PACCAR MX-13** engines in Model 567 / 579 Classic chassis. Select Recommended Repair Code **E338E**.
- **4.2 hours** to upfit 6 injectors on **PACCAR MX-13** engines in Model 365 / 367 / 389 chassis. Select

Recommended Repair Code **E338F**.

For all chassis:

- If the part number for the injector 6 pack is not available to order, order 6 individual injectors per the parts section below. Select editable Recommended Repair Code E338 and input the parts and labor used.
- File an additional claim for extraordinary circumstances. A Recommended Repair for standard labor must be filed first.
- File the claim within 14 days in accordance with the Warranty Policy.
- Peterbilt dealers may perform E338 repairs on Kenworth chassis, but Recommended Repairs do not

apply. For Kenworth chassis repairs, use the long claim input form.

Take off parts disposition:

- Ship to supplier per ship code

PRWS CLAIM CODING			
Campaign Code:	E338	Campaign Type	Field Repair
Claim Category:	Engine	Repair Type	Proactive
Customer Concern Code	007	Causal Code	A1
Corrective Action Code	12	Responsibility Code:	CampSupp
Failure Location	044-014-001	Causal Part	2426856 (MX-13 Injector)
Supplier Code	77009	SRT Code	B26-22A 4.4 hours Bulletin E338: Injector R&R MX-11 Pack 2-2 (520) Per Bulletin Procedure B26-22B 4.7 hours Bulletin E338: Injector R&R MX-11 Pack 1-2 (520) Per Bulletin Procedure B26-22C MX-11: 4.7 HRS / MX-13: 4.5 HRS Bulletin E338: Injector R&R MX-13/MX-11 Pack 2-2 T680NG/New579 Per Bulletin Procedure B26-22D MX-11: 5.1 HRS / MX-13:

			4.8 HRS Bulletin E338: Injector R&R MX-13/MX-11 Pack 1-2 T680NG/New579 Per Bulletin Procedure B26-22E MX-11: 4.7 HRS / MX-13: 4 HRS Bulletin E338: Injector R&R MX-13/MX-11 Pack 2-2 T680/T880/W990/579/567 Per Bulletin Procedure B26-22F MX-11: 5 HRS / MX-13: 4.3HRS Bulletin E338: Injector R&R MX-13/MX-11 Pack 1-2 T680/T880/W990/579/567 Per Bulletin Procedure B26-22G 3.9 HRS Bulletin E338: Injector R&R on MX-13 Pack 2-2 365/367/389 Per Bulletin Procedure B26-22H 4.2HRS Bulletin E338: Injector R&R on MX-13 Pack 1-2 365/367/389 Per Bulletin Procedure
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Parts

Parts are available from PACCAR Parts.

Injector Replacement Parts – MX-13		
Quantity	Part Number	Description
6	2477785PEX	Injector, MX-13, EPA21/24 (Package of 1) (Only use if 6

Injector Replacement Parts – MX-13		
Quantity	Part Number	Description
		pack is not available)
OR		
1	2434417PEX	INJECTOR, MX-13, EPA21/24 (Package of 6)
1	2272926 PE	Fuel Filter Element Set (With O-rings)
6	1313120PE	Flange bolt 10.9 (Injector hold-down bolts)
1	2105834	Gasket, Valve Cover
1	2105835	Gasket, Valve Train Casing
2	1858035PE	Ring-Seal, 9X16X1.5 (Usit Ring)
As Needed (Up to 1 gallon for top-off)	Source Locally	Coolant
As Needed	Source Locally	Cable Ties
Partial Container Needed	Source Locally	Electrical Contact Cleaner (Up to ½ container per vehicle)

Injector Replacement Parts – MX-11		
Quantity	Part Number	Description
6	2477784PEX	Injector, MX-11 EPA21/24 (Package of 1) (Only use if 6 pack is not available)
OR		
1	2491046PEX	INJECTOR, MX-11, EPA21/24 (Package of 6)
6	1313120PE	Flange bolt 10.9 (Injector hold-down bolts)
1	2272926PE	Fuel Filter Element Set (With O-Rings)
1	1900010PE	Gasket, Valve Cover
1	1917012PE	Flange gasket (inlet manifold)
1	1876805PE	O-ring (EGR pipe to venturi)
1	2235755PE	Sealing Ring (Inlet horn to venturi)
1	2015102PE	O-ring (non-return valve)
Partial Container	Source Locally	P-80 Lubricant

Injector Replacement Parts – MX-11		
Quantity	Part Number	Description
Needed	Available at Primo Supply	or equivalent (EGR pipe O-ring)
As Needed (Up to 1 gallon for top-off)	Source Locally	Coolant
As Needed	Source Locally	Cable Ties
Partial Container Needed (Up to ½ container per vehicle)	Source Locally	Electrical Contact Cleaner
Partial Container Needed (Up to ½ container per vehicle)	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.

Please see the Attachments section below for procedures on replacing injectors on specific chassis.

Links

[E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement – KW Chassis List](#)

[E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement – PB Chassis List](#)

[E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement – PB Customer Letter](#)

[E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement – T680 Classic / T880 / W990 / Model 567 / 579 Classic – MX-13 Repair Procedure](#)

[E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement – Model 365 / 367 / 389 – MX-13 Repair Procedure](#)

[E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement – T680 Next Gen / New Model 579 – MX-13 – Repair Procedure](#)

[E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement – All Models – MX-11 – Repair Procedure](#)



A PACCAR COMPANY

Kenworth Truck Company
Customer Service Department
C/O PACCAR Parts
750 Houser Way North
Renton, WA 98057
(425) 828-5888

[Date]

Subject: E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement

Expiration Date: 05/01/2027



FIELD SERVICE CAMPAIGN

This notice applies to your vehicle(s) with VIN(s) at the bottom or back of this page.

Dear Kenworth Customer,

Kenworth Truck Company has determined that certain T680, T880, and W990 vehicles manufactured between 3/31/2021 and 1/18/2024 equipped with EPA21 PACCAR MX engines have PHINIA fuel injectors that do not meet PHINIA's manufacturing specifications.

What is the problem?	PHINIA fuel injectors that do not meet manufacturing specifications could result in injector tip damage and potential secondary engine concerns.
What will your dealer do?	Install upgraded fuel injectors.
What should you do?	Contact your dealer to schedule a repair appointment. This service may require up to 6 hours of labor.

To locate your nearest dealer please scan the QR code at the top of this letter or use the Dealer Locator at www.Kenworth.com. When scheduling this service, please refer to campaign E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement and the VIN(s) listed in this letter. There will be no charge to you if completed by 05/01/2027.

If you no longer own the vehicle(s), please send an email to servicebulletins@paccar.com with the complete VIN(s) and the name and address of the new owner.

We appreciate your attention to this matter and value your loyalty to Kenworth and its dealer network.

Sincerely,

Kenworth Customer Service



Peterbilt Motors Company
Customer Service Department
C/O PACCAR Parts
750 Houser Way North
Renton, WA 98057
(425) 828-5888

[Date]

Subject: E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement

Expiration Date: 05/01/2027



FIELD SERVICE CAMPAIGN

This notice applies to your vehicle(s) with VIN(s) listed at the bottom or back of this page.

Dear Peterbilt Customer,

Peterbilt Motors Company has determined that certain Model 365, 367, 389, 520, 567, and 579 vehicles manufactured between 7/29/2019 and 1/19/2024 equipped with EPA21 PACCAR MX engines have PHINIA fuel injectors that do not meet PHINIA's manufacturing specifications.

What is the problem?	PHINIA fuel injectors that do not meet manufacturing specifications could result in injector tip damage and potential secondary engine concerns.
What will your dealer do?	Install upgraded fuel injectors.
What should you do?	Contact your dealer to schedule a repair appointment. This service may require up to 6 hours of labor.

To locate your nearest dealer please scan the QR code at the top of this letter or use Find a Dealer at www.Peterbilt.com. When scheduling this service, please refer to campaign E338: EPA21 PACCAR MX Engine PHINIA Fuel Injector Replacement and the VIN(s) listed in this letter. There will be no charge to you if completed by 05/01/2027.

If you no longer own the vehicle(s), please send an e-mail to servicebulletins@paccar.com with the complete VIN(s) and the name and address of the new owner.

We appreciate your attention to this matter and value your loyalty to Peterbilt and its dealer network.

Sincerely,

Peterbilt Customer Service