

43-080: DEF Lamp Operation

6/2/2026

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43-080

DEF Lamp Operation

Section

Inlet/Exhaust/Aftertreatment - 43

Subject

DEF Lamp Operation

Whats New Abstract

A new recommended repair has been added to verify the software level and close the campaign in SIR. The repair procedure has been updated with additional note boxes for clear instructions.

Revision

06/02/2026: A new recommended repair has been added to verify the software level and close the campaign in SIR. The repair procedure has been updated with additional note boxes for clear instructions.

03/25/2025: The bulletin is active again. The repair procedure has been updated, the chassis list has been updated, and software updates are available.

12/13/2024: This bulletin was temporarily suspended.

Condition

The Diesel Exhaust Fluid (DEF) lamp, in certain instances, may not flash, may not illuminate red and can be delayed by 30 seconds. This issue may cause inaccurate digital gauge notifications of the DEF system and may cause the Check Engine Lamp to illuminate. Normally the DEF lamp would be

illuminated solid white when there are no issues with the DEF system and illuminate solid red or flashing red when there are issues with the DEF system.

Chassis Affected

71,240 (62,783 US and 8,457 Canada) model year 2021 – 2025 T180/T280/T380/T480/T680/T880/W990 chassis built from 06/15/2020 through 01/15/2024 equipped with a 7" or 15" Digital Display and VMUX 22.5/23 software.

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 43080 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 43080 Campaign code prior to performing this repair.
4. Follow procedures to update the VECU and/or Digital Display software.

Warranty

Kenworth Warranty Statement

There is no time or mileage limit for this campaign Kenworth will pay for labor:

- **0.5 hours** of labor to process a PVP file and program software to both Digital Display and VECU using DAVIE4. Select Recommended Repair Code 43080A
- **0.4 hours** of labor to process a PVP file and verify software level in Digital Display and VECU. Update Digital Display software only (if VECU is found to be at the most current software level). Select Recommended Repair Code 43080B
- **0.3 hours** of labor to process a file through PVP, verify software level in Digital Display and VECU. (Both Digital Display and VECU are found to be at the most current software level). Select Recommended Repair Code 43080C.
- 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 Warranty Policy [CA009](#).

PRWS CLAIM CODING			
Campaign Code:	43080	Campaign Type	Field Repair
Claim Category:	Truck	Repair Type	Proactive
Customer Concern Code	029 - Does Not Operate Properly	Causal Code	95- Requires Program Update
Corrective Action Code	23 - Program / Reprogram/Reflash	Responsibility Code:	Camp
Failure Location	003-006-001	Causal Part	ASA122021647601809
Supplier Code	N/A	SRT Code	B23-20A 0.5 Hours Process PVP file and program Digital Display and VECU B23-20B 0.4 Hours Process PVP file and program Digital Display only. VECU already Current B23-20C 0.3 hours Bulletin 043-080 - DEF lamp behavior per bulletin procedure. process through PVP and verify software level is current for

			Digital Display and VECU
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Parts

Software only, no parts necessary.

Take off parts disposition: N/A

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 updating the software.

Attachments

[43-080 KW Chassis List](#)

[43-080 DEF Lamp Operation Repair Procedure](#)

[43-080 KW US Customer Letter \(English\)](#)

[43-080 KW Canada Customer Letter \(English & French\)](#)

[43-080 KW Spanish Customer Letter \(English & Spanish\)](#)

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DEF Lamp Operation

Whats New Abstract

The repair procedure has been updated with additional note boxes for clear instructions.

Revision

06/02/2026: The repair procedure has been updated with additional note boxes for clear instructions.

03/25/2025: Campaign has resumed. Software updates are now available to complete this campaign. 39 VINs added to chassis list. Population changed from 84,239 to 84,278. Digital Display and VECU software update procedure has been updated.

12/19/2024: Population changed from 85,119 to 84,239. Chassis removed from list that were not affected by issue.

12/13/2024: Campaign temporarily suspended.

Condition

The Diesel Exhaust Fluid (DEF) lamp, in certain instances, may not flash, may not illuminate red, and can be delayed by 30 seconds. This issue may cause inaccurate digital gauge notifications of the DEF system and may cause the Check Engine Lamp to illuminate. Normally the DEF lamp would be illuminated solid white when there are no issues with the DEF system and illuminate solid red or flashing red when there are issues with the DEF system.

Campaign start date: **10/22/2024**

Chassis Affected

84,278 (75,466 US and 8,812 Canada) model year 2021-2025, 365, 367, 389, 520, 535, 536, 537, 548, 567, 579, and 589 chassis equipped with a 7" or 15" Digital Display and VMUX 22.5/23 software.

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 **43080** 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 **43080** campaign code prior to performing this repair.
4. Follow procedures to update the VECU and/or Digital Display software.

Warranty

Starting on **10/22/2024** - There is no time or mileage limit for this campaign. Peterbilt will pay for labor:

- **0.5 hours** labor to process a file through PACCAR Vehicle Pro (PVP) and update the Digital Display and VECU. Use Recommended Repair **43080A**.
- **0.4 hours** labor to process a file through PVP, verify software level in Digital Display and VECU, and update either the Digital Display OR VECU software (if only one module requires a software update). Use Recommended Repair **43080B**.
- **0.3 hours** labor to process a file through PVP, verify software level in Digital Display and VECU. (Both Digital Display and VECU are found to be at the most current software level). Use

Recommended Repair **43080C**.

- For any supplemental repairs, file a long form claim and input (**43080**) in the “Campaign Code” field.
- File the claim within 7 days in accordance with Warranty Policy.
- Cross-division repairs are not allowed for this campaign.

Take-Off Parts Disposition : N/A

PRWS CLAIM CODING			
Campaign Code:	43080	Campaign Type:	Field Repair
Claim Category:	Truck	Repair Type:	Proactive
Customer Concern Code:	029	Causal Code:	95
Corrective Action Code:	23	Responsibility Code:	Camp
Failure Location:	003-002-024	Causal Part:	Q43-6090-100-100
Supplier Code:	N/A	SRT Code:	B23-006 0.5 hours Perform software update (Digital Display and VECU) per 43-080 bulletin procedure. B23-20B 0.4 hours Process PVP file and program Digital Display OR VECU (one module is

			already current) B23-20C 0.3 hours Process PVP file and verify software for Digital Display and VECU (both modules already current).
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Parts

Software only, no parts necessary.

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 updating the software.

Attachments

[43-080 - Chassis List](#)

[43-080 DEF Lamp Operation Repair Procedure](#)

CUSTOMER LETTERS

[43-080 - English Customer Letter](#)

[43-080 - French Customer Letter](#)

[43-080 - Spanish Customer Letter](#)