

Safety Recall 24KWL: Bendix EC80 ABS ECU Incorrect Signal Processing

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Number

24KWL / 24V915 / 2024-744

Supplier

Bendix

Description

Safety Recall 24KWL: Bendix EC80 ABS ECU Incorrect Signal Processing

Date

1/10/2025

What's New

Safety Recall

Updated software and procedures are now available.

Certain Vehicle Model Year 2021-2025 Kenworth chassis configured for trailer towing require a software update for the Bendix EC80 ABS ECU.

Software update procedures for certain Battery-Electric Vehicles (BEV) and EC80 ABS ECU Part numbers are not yet available.

This bulletin will be updated when software update procedures are available for these chassis.

Introduction

Certain Vehicle Model Year 2021-2025 Kenworth chassis require a software update for the Bendix EC80 ABS ECU.

Electronic noise and/or low signal strength on the Power Line Carrier (PLC) signal from a trailer to the EC80 ABS ECU could cause the ABS system to incorrectly process certain signals. This can lead to the EC80 setting faults, malfunctioning, or not operating. ABS faults could affect the operation of other ABS-connected systems such as Automatic Traction Control, Electronic Stability Control, Active Cruise Control, and/or Collision

Mitigation System. These faults could cause the ABS system to respond incorrectly to a stability or automated braking event, increasing the risk of a crash.

The ABS warning lamp will be illuminated in the event of faults in the ABS system or when the ABS system stops operating.

Situation

124,767 (112,595 US and 12,172 CAN) Vehicle Model Year 2021-2025 T270/T280/T370/T380/T4 Series/T480/T680/T680E/T800/T880/T880E/W900/W990/C500 chassis built from 05/22/2020 through 12/03/2024 equipped with Bendix EC80 ABS ECU with Power Line Carrier (PLC) trailer communication functionality.

Resolution

Safety Recall

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 **24KWL** 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 **24KWL** campaign code prior to performing this repair.

4. Follow the attached procedures to update the EC80 software.

i **NOTE**

Software update procedures for certain Battery-Electric Vehicles (BEV) and EC80 ABS ECU Part numbers are not yet available. This bulletin will be updated when software update procedures are available for these chassis.

Refer to the chassis list "Software Readiness" column to determine whether a chassis has the software ready to download.

i **NOTE**

Due to file size, the chassis list is split into 2 files.

[Chassis List A](#) contains dealer codes A300-K860

[Chassis List B](#) contains dealer codes K960-Y995

Federal Law

It is a violation of Federal law for a dealer to sell or lease new vehicles covered by this recall until the defect or noncompliance has been corrected.

Warranty

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

- **0.3 hours** labor to update EC80 ECU software. Use Quick Claim Code **24KWL**.
- File an additional claim for extraordinary circumstances. A quick claim for standard labor must be filed

first.

- File the claim within 14 days in accordance with Warranty Policy [CA009](#).

Take off parts disposition: N/A

PRWS CLAIM CODING			
Campaign Code:	24KWL	Campaign Type	Safety Recall
Claim Category:	Truck	Repair Type	Proactive
Customer Concern Code	010	Causal Code	A1
Corrective Action Code	12	Responsibility Code:	CampSupp
Failure Location	013-011-076	Causal Part	Q27-1040-301
Supplier Code	01674AA	SRT Code	B24-55A 0.3 hrs Update EC80 ECU Software per bulletin procedure 24KWL

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.



NOTE

Installation of the EC80 Update Tool is only required ONCE *per computer* used for this software update.

Additional software must be downloaded and installed to the technician laptop to perform this update.

Contact your IT department for instructions on installing software on your computer.

See attached procedures below for more info.

Parts

Software Only – No parts required.

Links



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[24KWL Procedures - Diesel](#)

[24KWL Procedures - BEV](#)

[EC80 Update tool - ID 9363 \(v23\)](#)
