

## Tractor Anti-Lock Brake System (ABS) Lamp Issue

Author:

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<b>Title</b>	<b>20KWB: Tractor Anti-Lock Brake System (ABS) Lamp Issue</b>
<b>Bulletin No.</b>	20KWB
<b>What's New Abstract</b>	Safety Recall - The Tractor ABS Lamp may not illuminate when the vehicle experiences a loss of battery and/or ignition power to the ABS controller. This may allow the operation of the vehicle without a functional tractor ABS system.
<b>Supplier</b>	Kenworth
<b>Description</b>	If the Tractor ABS controller loses battery and/or ignition power (e.g. the fuse blows) the ABS system will become inoperative. In some configurations, the ABS warning lamp on the dash will not illuminate. Unknowingly operating a vehicle with an inoperative ABS system could lead to an increased risk of an accident or injury.
<b>Release Date</b>	04/17/2020
<b>Introduction</b>	<p>Kenworth Truck Company has determined that certain Vehicle Model Year 2007 through 2019 C500, T440/T470, T600, T660, T680, T800, T880, and W900 vehicles manufactured from January 24, 2007 through January 31, 2018 fail to conform to the following standards:</p> <ul style="list-style-type: none"> <li>• U.S. Federal Motor Vehicle Safety Standard (FMVSS) No. 121 - Air brake systems;</li> <li>• FMVSS No. 136 - Electronic Stability Control Systems on Heavy Vehicles;</li> <li>• Canada Motor Vehicle Safety Standard (CMVSS) No. 121 - Air brake systems; and</li> <li>• CMVSS 136 - Electronic Stability Control Systems on Heavy Vehicles.</li> </ul> <p>Fleets may have vehicles included in this recall and in <a href="#">Safety Recall 18KWD</a>.</p> <p><b>Revision Notes</b></p> <ul style="list-style-type: none"> <li>• 08/14/2020: Bulletin updated with repair procedure, claim filing instructions, and repair notification letters.</li> <li>• 06/04/2020: Attached copies of Interim customer letters.</li> </ul>

<b>Situation</b>	<p>237,144 chassis C500, T440/T470, T600, T660, T680, T800, T880, and W900 built from 01/24/2007 through 01/31/2018 equipped with:</p> <ul style="list-style-type: none"><li>• NAMUX2 with software version P30-1030-001 through -114</li><li>• NAMUX3 with software version P30-1031-001 through -120</li><li>• NAMUX4 with software version P30-1011-003 through -143</li></ul> <p>The NAMUX software illuminates the Tractor ABS/ESC Lamps when the voltage from the ABS/ESC ECU drops below 25% of the battery input voltage present at the CECU. In the instance where the ABS/ESC ECU loses power (i.e. the fuse blows) the voltage being measured may not drop below the 25% voltage threshold, thus the ABS and/or ESC malfunction lamp will not illuminate.</p>
<b>Resolution</b>	<p>Service all chassis affected that enter your dealership, even if the customer has no issue with the chassis.</p> <ol style="list-style-type: none"><li>1. Review the attached chassis list for your dealer code and schedule your customer(s) for service if their chassis is on the list.</li><li>2. If you are not using Service Management to start repair orders, review DWWC or SIR for “Complete” next to the “20KWB” campaign code prior to performing this repair.</li><li>3. Follow the procedures below to update the NAMUX software to the latest available version and verify or set certain software parameters versus Web eCAT.</li></ol>
<p>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.</p>	

## Warranty

There is no time or mileage limit for this bulletin, though the repair instructions may be superseded by future software enhancement bulletins. Kenworth will pay for labor:

<b>i NOTE</b>	
Several field actions share the same NAMUX software update as the final repair. As a result, if a chassis comes into the shop and more than one of the below field actions are applicable, use the following guidance for filing claims. If you file for more than one of the listed field actions, your claims will be rejected.	
Field Action #	Filing instruction
18KWD/20KWB	If this Safety Recall is Open and 43-063 is also Open in SIR, then only file for this Safety Recall. All other related open field actions will be closed during claim processing.
43-063	If this emissions recall is Open and 18KWD/20KWB is Open in SIR, then only file for 18KWD/20KB. All other related open field actions will be closed during claim processing.
E213G	If either of the above are open in SIR, then follow the guidance above for filing a claim.
03-070, 03-067,	If the chassis has any of the above field actions open, follow the guidance above for filing a claim.
03-072 (KW only)	Claims for this bulletin will be rejected if any of the above campaigns are open.

- 0.2 hours labor for software update. Use Quick Claim Code 20KWB.
- File an additional claim for extraordinary circumstances. A quick claim for standard labor must be filed first. The report showing what was run during the update process **MUST** be included with the claim.

**Take-Off Parts Disposition: N/A**

CLAIM CODING			
Failure Location:	003-001-989	Work Accomplished:	58
Failure Type:	363	Responsibility Code:	01
SRT Code:	<b>18D-20B</b> 0.2 hrs. Update software, ESA parameters, perform lamp check, and R&R fairings if needed.	Claim Type:	C
Campaign Field	20KWB		

<b>Parts</b>	No parts. Software only
<b>Procedure</b>	Install the latest available version of NAMUX software. Refer to bulletin 03-064 ESA Best Practices and the attached CECU software update procedure.
<b>Attachments</b>	CECU software update procedure <a href="#">NAMUX version to Chassis model cross-reference</a> Dealer\Chassis List Customer Letter