

# SAFETY RECALL

Mack Trucks Inc.  
Greensboro, NC USA



Date 12.2024 Number SC0472 Release 01 Page 1(9)

## Bendix ABS ECU Updated Software AN, GR, PI, TE

### RECALL INFORMATION

**NOTE: Bendix has updated the EC-80 software from version 18 (v18) to version 23 (v23) for an issue related to specific vehicles. This population of vehicles must be updated with v23 or newer.**

(December 2024)

Mack Trucks has determined that certain AN, GR, PI, and TE model vehicles equipped with Bendix EC-80 ABS and towing capability may get an ABS fault due to miscommunication with the trailer. This could impact the ABS/ESP/AEB performance which could result in improper responses from the ABS system. The system may respond incorrectly to the event which could increase the likelihood of a crash.

To ensure these vehicles meet Mack's strict quality standards, the Bendix EC-80 electronic control unit software will be updated to version 23 (v23) or greater.

### VEHICLES AFFECTED

Certain 2020-2025 Anthem, Granite, Pinnacle, and TerraPro vehicles manufactured between May 1, 2019, through October 28, 2024.

### VEHICLE QUANTITY

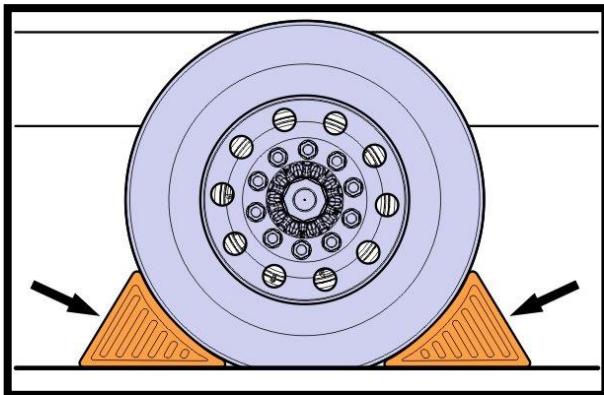
There are 144 vehicles affected by this recall. (135 US, 7 Canada, 2 Export)

**Parts**

- N/A

**Repair Instructions**

1. Park the vehicle on level surface.
2. Apply the parking brake.
3. Place the transmission in neutral.
4. Install the wheel chocks.

**WARNING**

ALWAYS ENSURE MOST UP-TO-DATE SOFTWARE VERSION IS DOWNLOADED FROM TRUCKS DEALER PORTAL. YOU MUST UNINSTALL ALL PREVIOUS VERSIONS BEFORE DOWNLOADING AND INSTALLING NEWEST VERSION.

**Download Bendix's EC-80 Software Update (Most up-to-date version)**

5. Navigate to Trucks Dealer Portal > Information > Service > Software Downloads. Fleets will contact their Fleet Service Manager for tool download information.

1. Open software downloads

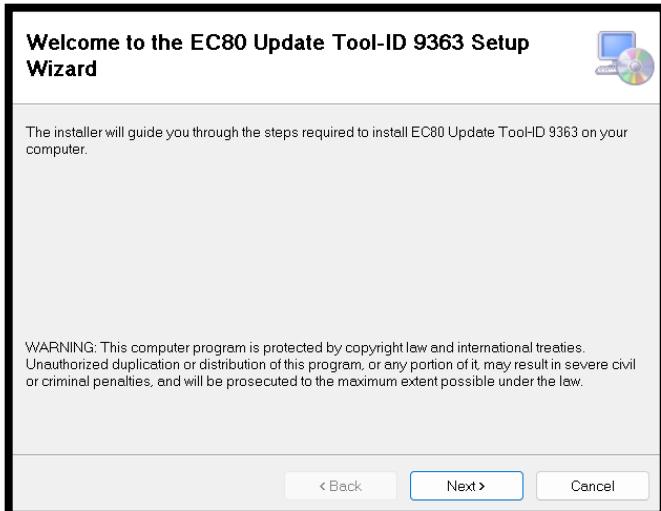
2. Select Bendix EC80 Update tool under PTT downloads.

3. Open download by selecting the yellow icon.

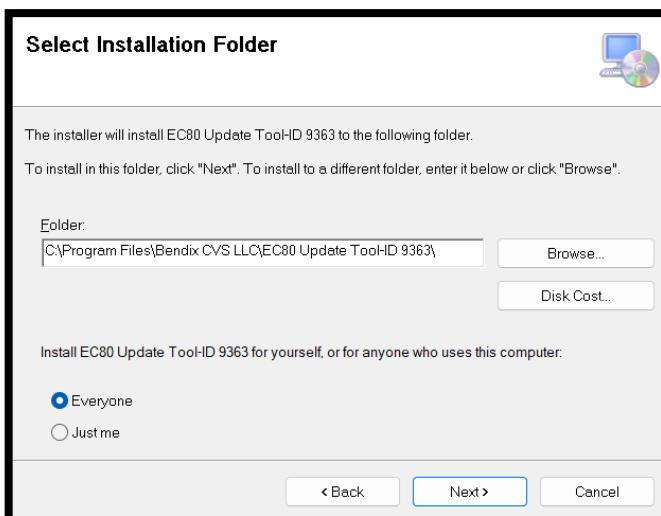
4. Select download, check **original**, click **blue download** option.

6. Download to an accessible location on a Window's 10 or 11 based device.
7. Run the **EC80 Update Tool-ID 9363** installer and follow the instructions in the dialog box of the installer until installation is completed. The EC80 Update Tool-ID 9363 will only need to be installed once. If any issues occur with the install, contact your local IT department.

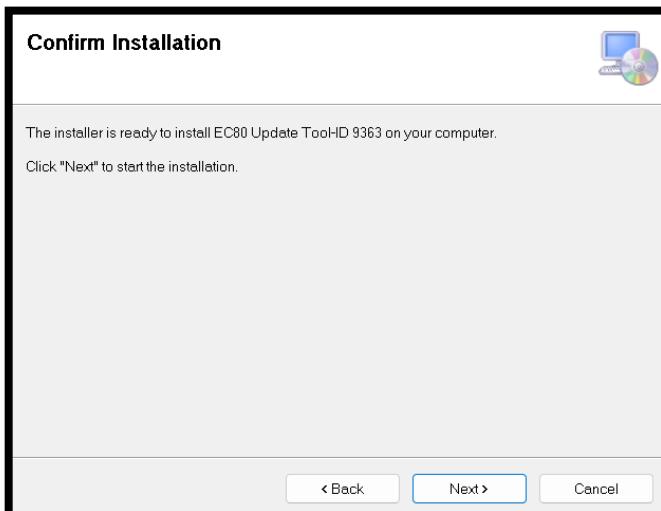
**Step 1.** Run the EC80 Setup Wizard.



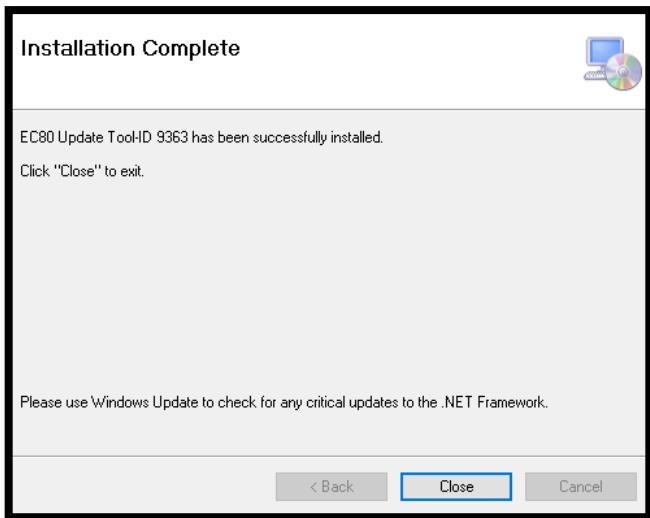
**Step 2.** Select folder location for EC80 Update Tool.



**Step 3.** Confirm installation of EC80 Update Tool.

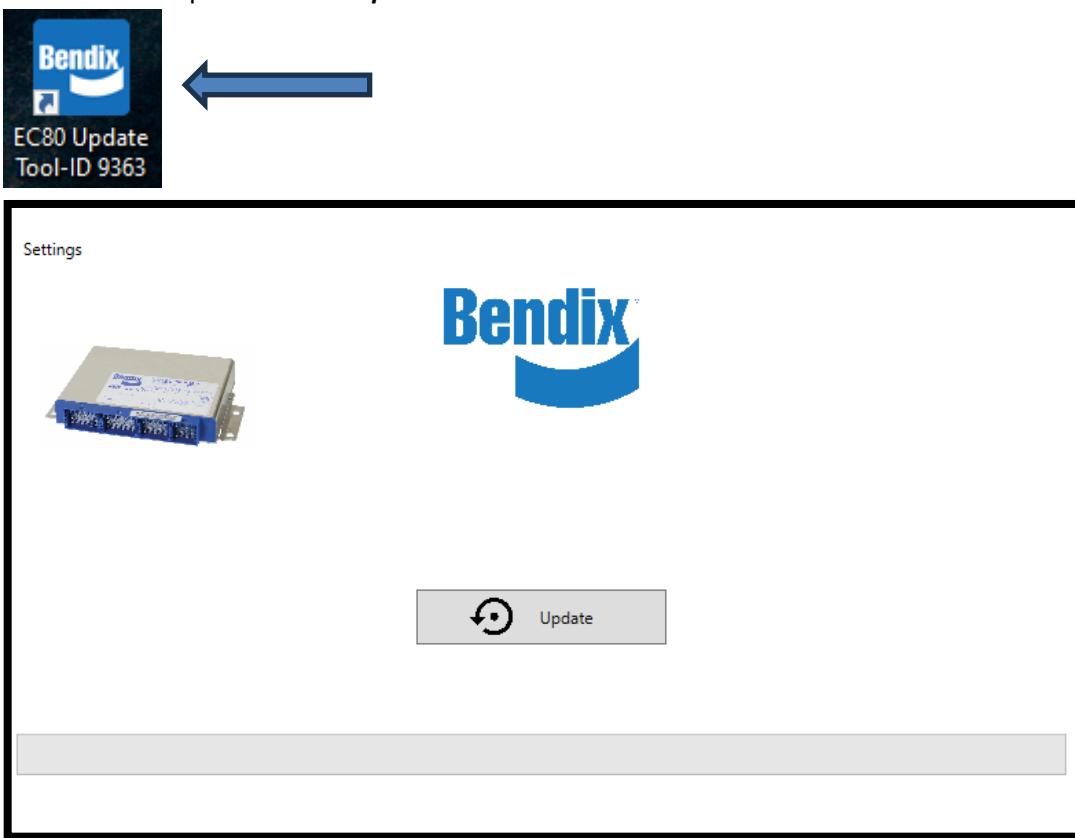


**Step 4.** Close the Setup Wizard. Installation is complete.

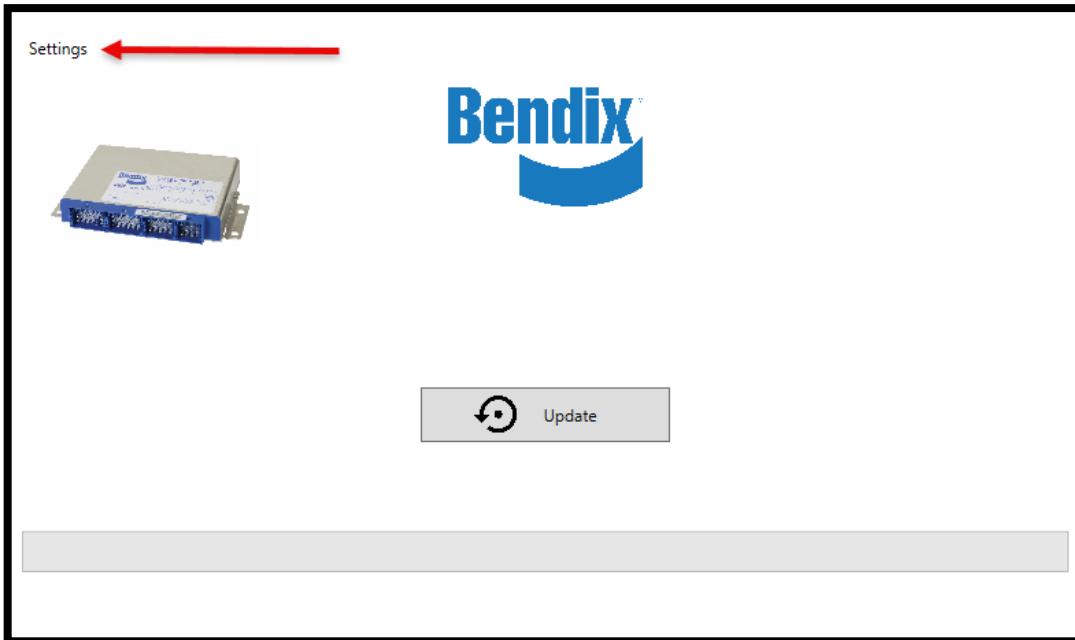


#### Complete EC-80 Update Procedure

8. Before beginning the update procedure, ensure proper battery voltage of the vehicle.
9. With the engine off, key on the vehicle. Do NOT start or enable traction voltage on the vehicle
10. Connect the harness from the Window's 10 or 11 device to the vehicle using the 16-pin diagnostic connector.
11. Select and open the ***EC80 Update Tool-ID 9363*** shortcut.



## 12. Select the settings tab.

13. Choose the installed diagnostic interface noted by the blue box (Reference compatible list of interfaces below). Select channel 2 with Auto Baud rate from the drop down indicated by the red arrow. Once selected, click **save**.

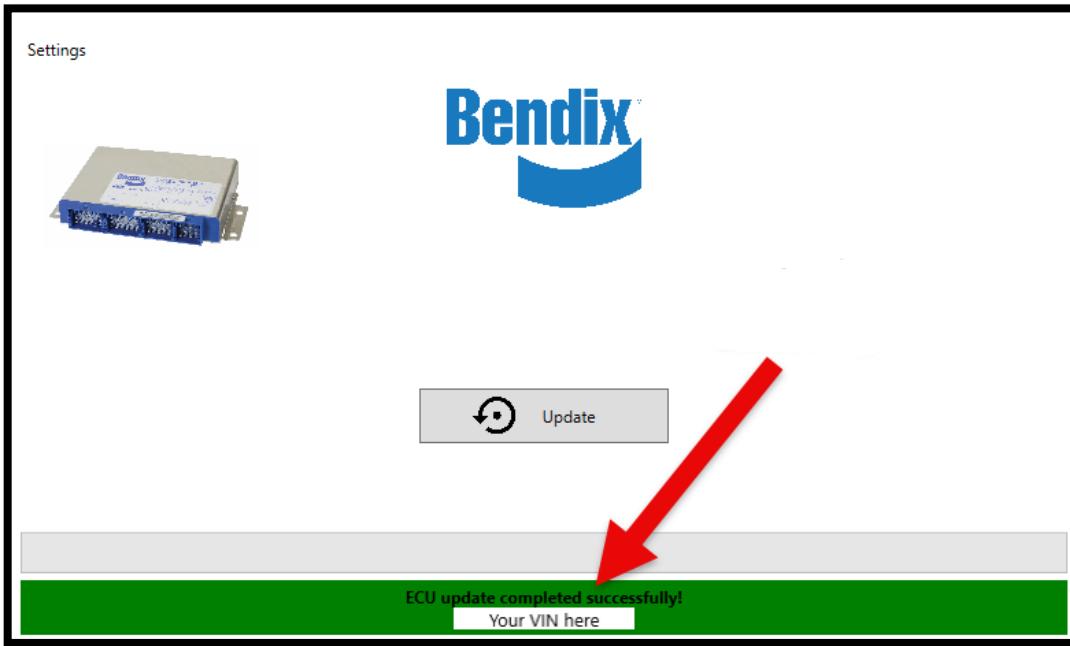
ID	DLL	Name	Vendor	Description
2	NULN3R32	BTUSLINK	NEXIQ TECHNOLOGIES USB-LINK 3	BLUETOOTH USB-LINK 3, BLUETOOTH
3	NULN3R32	WIFIUSBLINK	NEXIQ TECHNOLOGIES USB-LINK 3	WIFI USB-LINK 3, WIFI
1	NULN2R32	USBLINK	NEXIQ TECHNOLOGIES USB-LINK 2	USB-LINK 2, USB
2	NULN2R32	BTUSLINK	NEXIQ TECHNOLOGIES USB-LINK 2	USB-LINK 2, BLUETOOTH
3	NULN2R32	WIFIUSBLINK	NEXIQ TECHNOLOGIES USB-LINK 2	USB-LINK 2, WIFI
1	DLA332	DLA+ 3.0 USB	NOREGAN SYSTEMS LLC, DLA+ 3.0	DLA+ 3.0, USB
2	DLA332	DLA+ 3.0 WIFI	NOREGAN SYSTEMS LLC, DLA+ 3.0	DLA+ 3.0, WIFI
2	DLA332	DLA+ 3.0 BLUETOOTH	NOREGAN SYSTEMS LLC, DLA+ 3.0	DLA+ 3.0, BLUETOOTH
1	DLAUSB32	DLA+ 2.0	NOREGAN SYSTEMS INC, DLA+ 2.0	DLA+ 2.0, USB
1	DGDPAXL	DPA XL USB	DG TECHNOLOGIES DPA XL	DPA XL USB, USB
1	DGDPA5M	DG DPA 5 DUAL CAN (MA) USB	DG TECHNOLOGIES DPA 5 MULTI A	DG DPA 5 DUAL CAN (MA) USB, USB

**Compatible Interfaces:**

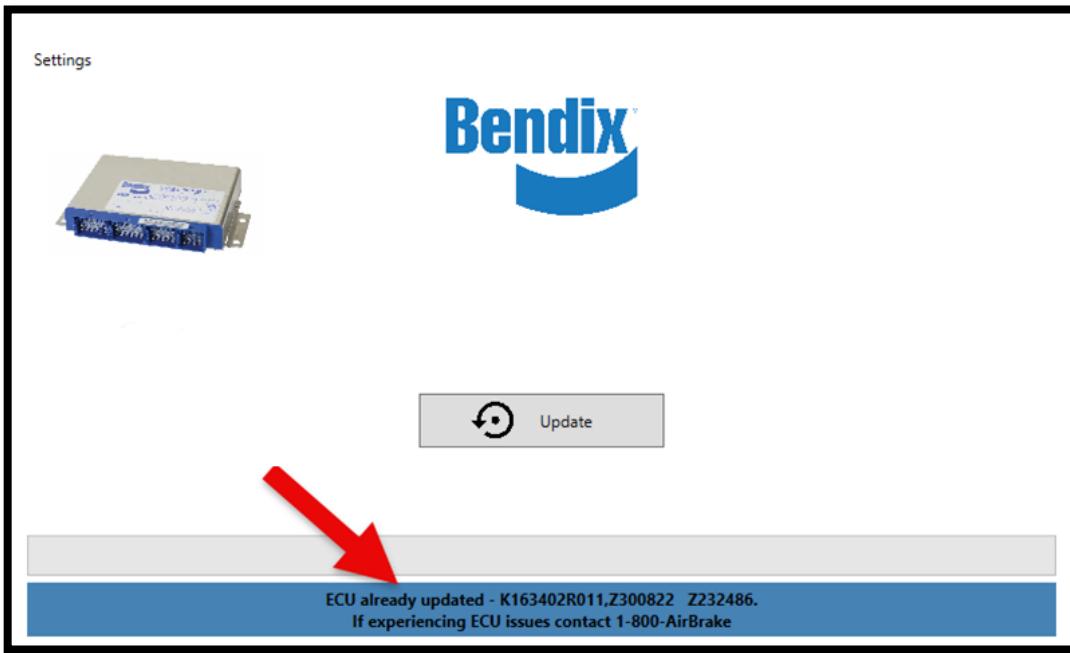
- DG Dearborn Protocol Adapter (DPA) 5
- DG Dearborn Protocol Adapter (DPA) XL
- Noregon 2.0
- Noregon 3.0
- Nexiq USB Link 2.0
- Nexiq USB Link 3.0
- Vocom I
- Vocom II Tough
- Vocom II Mini

14. On the Update Tool dialog, click **Update**.

1. If the update is **successful**, the screen will show that the software has been updated and the procedure is complete.



15. If the update has already been performed, no further action is required.

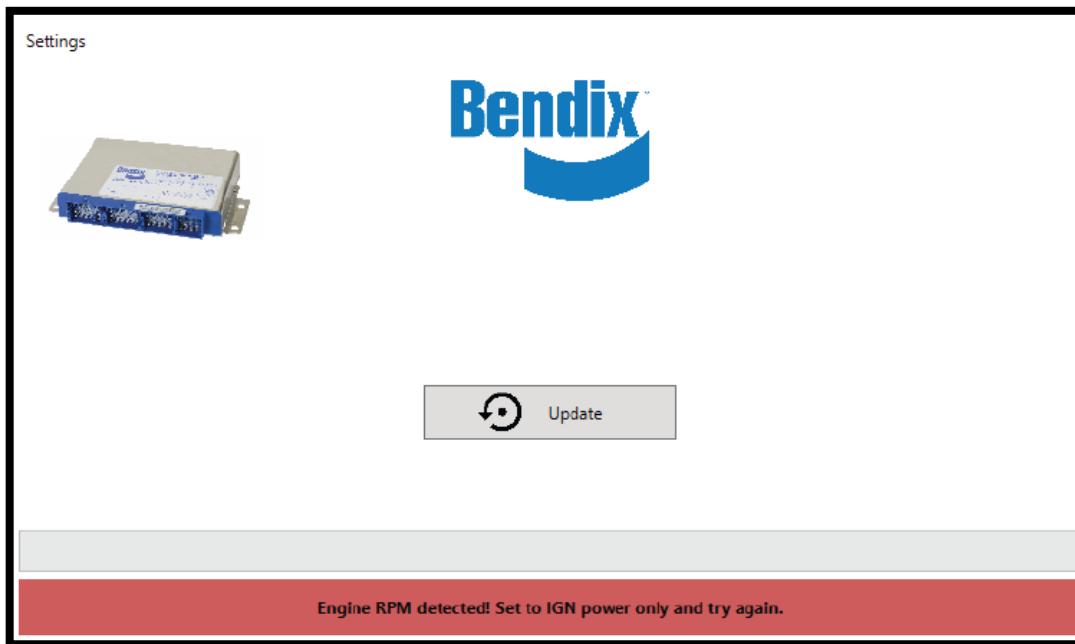


16. If the update ***fails or errors or ends in an errored state (examples of errors below)***, the screen will show the software was not able to update. Power cycle the vehicle and restart the update procedure from Step 11.

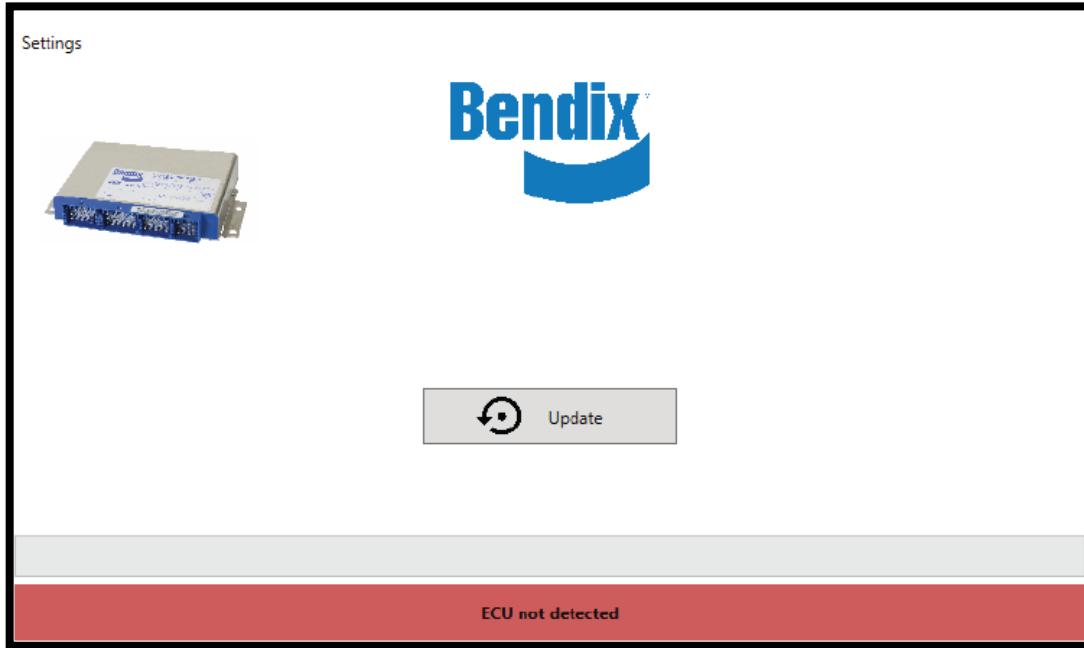
1. If the detected ECU is not eligible for an update, truck can be released for service.



2. If engine RPM is detected during the procedure, power cycle to ignition only and restart the update procedure from Step 11.



3. If the ECU is not detected, verify the ignition power is ON and/or ensure the correct channel is selected. Verify user is connected to the proper diagnostic connector. Then, restart the update procedure from step 11.



17. Once the Bendix EC-80 software has been updated successfully, clear any Diagnostic Trouble Codes (DTC's) caused by the Bendix EC-80 software update using suitable tools and return the vehicle to service.

**REIMBURSEMENT**

<b>This repair is covered by an authorized Safety Recall. Reimbursement is obtained through the normal claim handling process.</b>	
	<b>UCHP Reimbursement</b>
<b>Claim Type</b> (used only when uploading from the Dealer Business System)	40
<b>Recall Status</b>	
Vehicle repaired per instructions	1-Modified per instructions
<b>Labor Codes</b>	
<b>1700-22-03-11 Campaign, Programming</b>	0.3 x 1 <b>(0.3 hrs)</b>
<b>Causal Part</b>	23103632
<b>Authorization Number</b>	C0419

**Note:** Dealers or the designated representatives are to perform Safety Recall on all subject vehicles at no charge to the vehicle owner regardless of mileage, age of vehicle or ownership (original purchaser or subsequent purchasers). Whenever vehicles that are subject to a Safety Recall are brought to your dealership for service, it is strongly recommended that every effort be made to perform the recall correction before the vehicle is released to the owner.