



 Date
 Number
 Release
 Page

 11.2024
 SC0472
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Bendix ABS ECU AN, GR, PI, TE

Rev. 3 date: 12/03/2024

• Revised vehicle quantity.

# **RECALL INFORMATION**

(November 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.

# **VEHICLES AFFECTED**

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

## **VEHICLE QUANTITY**

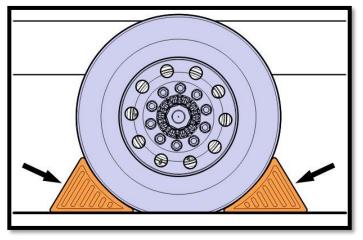
There are 59,204 vehicles affected by this recall. (51,000 US, 5,993 Canada, 554 Mexico, and 1,657 Export)

### Parts

• N/A

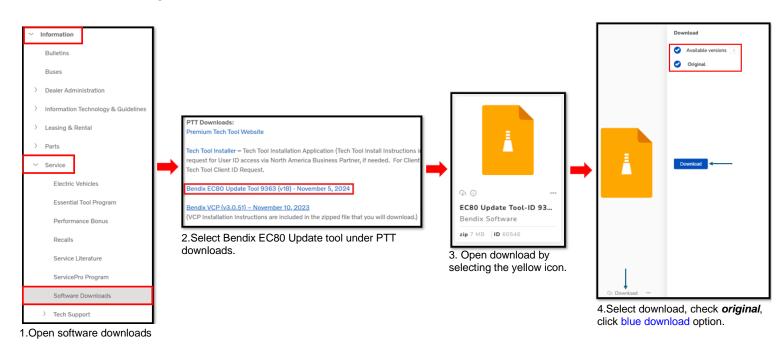
### **Repair Instructions**

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



### Download Bendix's EC-80 Software Update

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



- 6. Download to an accessible location on a Window's 10 or 11 based device.
- 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.

Welcome to the EC80 Up Wizard	date Tool-ID 9363 Setup
The installer will guide you through the ste computer.	nps required to install EC80 Update Tool-ID 9363 on your
Unauthorized duplication or distribution of	otected by copyright law and international treaties. this program, or any portion of it, may result in severe civil ed to the maximum extent possible under the law.
	< Back Next > Cancel

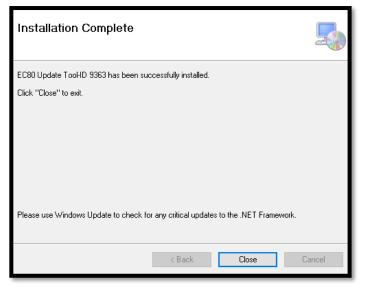
Step 2. Select folder location for EC80 Update Tool.

Select Installation Folder	5			
The installer will install EC80 Update TooHD 9363 to the following folder. To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".				
Eolder: C\Program Files\Bendix CVS LLC\EC80 Update TooHD 9363\	Browse			
	Disk Cost			
Install EC80 Update Tool-ID 9363 for yourself, or for anyone who uses this computer:				
O Everyone				
🔿 Just me				
< Back Next >	Cancel			

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

Confirm Installation			
The installer is ready to install EC80 Upda	ite Tool-ID 9363 on	your computer.	
Click "Next" to start the installation.			
	< Back	Next>	Cancel

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



#### **Complete EC-80 Update Procedure**

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

EC80 Update Tool-ID 9363		
Settings	Bendix	
	Update	

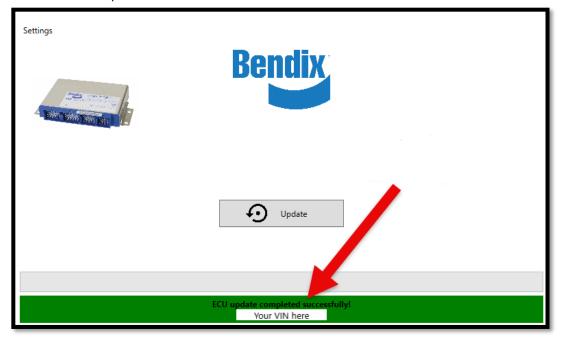
#### 11. Select the settings tab.

Settings	Bendix	
	Update	

12. 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*.

🔁 EC80 Update Tool-ID 9363 - 1.0.18.0 — 🗆 🗙				×			
_							Compatible Interfaces: - DG Dearborn Protocol
De	Devices ×				×	Adapter (DPA) 5	
Г	D	DLL	Name	Vendor	Description	$\sim$	- DG Dearborn Protocol
	2	NULN3R32	BTUSBLINK	NEXIQ TECHNOLOGIES USB-LINK 3	BLUETOOTH USB-LINK 3, BLUETOOTH		Adapter (DPA) XL
	3	NULN3R32	WIFIUSBLINK	NEXIQ TECHNOLOGIES USB-LINK 3	WIFI USB-LINK 3, WIFI		-Noregon 2.0
	1	NULN2R32	USBLINK	NEXIQ TECHNOLOGIES USB-LINK 2	USB-LINK 2,USB		5
	2	NULN2R32	BTUSBLINK	NEXIQ TECHNOLOGIES USB-LINK 2	USB-LINK 2, BLUETOOTH		-Noregon 3.0
	3	NULN2R32	WIFIUSBLINK	NEXIQ TECHNOLOGIES USB-LINK 2	USB-LINK 2,WIFI		-Nexiq USB Link 2.0
	1	DLA332	DLA+ 3.0 USB	NOREGON SYSTEMS LLC, DLA+ 3.0	DLA+ 3.0, USB		-Nexiq USB Link 3.0
	2	DLA332	DLA+ 3.0 WIFI	NOREGON SYSTEMS LLC, DLA+ 3.0	DLA+ 3.0, WIFI		-Vocom I
	2	DLA332	DLA+ 3.0 BLUETOOTH	NOREGON SYSTEMS LLC, DLA+ 3.0	DLA+ 3.0, BLUETOOTH		-Vocom II Tough
	1	DLAUSB32	DLA+ 2.0	NOREGON SYSTEMS INC., DLA+ 2.(	DLA+ 2.0, USB		-Vocom II Mini
	1	DGDPAXL	DPA XL USB	DG TECHNOLOGIES DPA XL	DPA XL USB, USB		
	1	DGDPA5M/	DG DPA 5 DUAL CAN (MA) US	DG TECHNOLOGIES DPA 5 MULTI A	DG DPA 5 DUAL CAN (MA) USB USB		
	-						
	RF	P1210 Chanr	nel:			- 1	
	Ba	aud=Auto,Ch	annel=2 ~			- 1	
	Ba	aud=Auto,Ch	annel=1				
	Ba	aud=Auto,Ch	annel=2	Save			
	Ba	aud=Auto,Ch	annel=3	Save			
	Ba	aud=250000,	Channel=1				
-	Ba	aud=250000,	Channel=2				
	Ba	aud=250000,	Channel=3				
	Ba	aud=500000,	Channel=1			_	
	Ba	aud=500000,	Channel=2			- 1	
	Ba	aud=500000,	Channel=3				
-	-						

- 13. 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.



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

Settings	Bendix
	Update Update
ECU alread	y updated - K163402R011,Z300822 Z232486.
	riencing ECU issues contact 1-800-AirBrake

- 15. 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.

Settings	Bendix
	Update
	ECU ineligible for update (K245225R000,Z295429 Z288843)

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.

Settings	Bendix	
	Update	
	ECU not detected	

16. 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

This repair is covered by an authorized Safety Recall. Reimbursement is obtained through the normal claim handling process.		
	UCHP Reimbursement	
<b>Claim Type</b> (used only when uploading from the Dealer Business System)	40	
Recall Status		
Vehicle repaired per instructions	1-Modified per instructions	
Labor Codes		
1700-22-03-11 Campaign, Programming	0.3 x 1 ( <b>0.3 hrs</b> )	
Causal Part	23103632	
Authorization Number	C0400	

**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.