

Technical Bulletin

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Subject: **Bendix® EC-80™ Software Update for International® Motors**

This bulletin provides instructions on how to download and run the Bendix® ECU (Electronic Control Unit) Updater tool to set the **conf_HSA** parameter to **“enable.”** This document is **ONLY** applicable for vehicles identified in **International Motors Recall 26501, NHTSA Recall 26V084.**

SOFTWARE UPDATE INSTRUCTIONS

NOTE: To download the software and perform the update, a Windows® PC (Windows 10 or 11 is recommended) with the standalone update utility downloaded, a compatible adapter, and the manufacturer’s Windows drivers for the adapter are required.

1. Install the software **Bendix_ECU_Updater_2.0.9.0** using the setup.exe application provided by International.
2. Place the folder in a convenient location on the laptop, such as the Desktop.
3. Plug a compatible adapter to the diagnostic port located under the steering wheel.
4. Key on the vehicle and inspect the vehicle dash to see if any warning lamps are illuminated before beginning the update process.
NOTE: Resolve all active Bendix device Diagnostic Trouble Codes (DTCs) before proceeding with the software update.
5. Open the software from the connected laptop and select the **EC80_006_0.pkg** file provided with the installer.
6. Once selected, click **Next**. See Figure 1.

7. The software update will change the parameters of the EC-80. To proceed with the update, click **Yes**.
8. Once the update has started, the screen will show the progress. See Figure 2.

NOTE: This process may take a couple of minutes to complete. Additionally, audible alerts may sound and warning lamps may illuminate on the vehicle dash during the update process.



Figure 2 – Update in Progress

9. If the update is successful, the screen will show that the software has been updated, and the procedure is complete. See Figure 3.



Figure 1 – Start Software Update



Figure 3 – Update Successful

10. To complete the update, follow these steps:
- Key off the vehicle.
 - Wait at least ten (10) seconds.
 - Key on the vehicle (engine crank not required).
 - Wait at least sixty (60) seconds and confirm that there are no active Bendix DTCs on the vehicle. If there are any active Bendix DTCs, reattempt the software update starting at *Step 4*.
 - On the connected laptop, exit the software.
 - Key cycle the vehicle again, start the engine, and leave the vehicle running for at least sixty (60) seconds to fully complete the update.
11. If the software update fails, the screen will show a failure message that may include one of the following failure types:
- **(Figure 4) ECU Ineligible for Update** - Detected ECU is not included in the software update. See *Step 12*.
 - **(Figure 5) VIN Not Included in Software Update** - Detected VIN is not included in the software update. See *Step 13*.
 - **(Figure 6) RP1210 Configuration Error** - Adapter is not connecting or configuration settings are not correct. See *Step 14*.
 - **(Figure 7) Wrong Baud Rate Error** - Configuration settings are not correct. See *Step 14*.

12. If the detected ECU is not eligible for an update, an ECU failure message may appear and no further action is required. See *Figure 4*.



Figure 4 – ECU Ineligible for Software Update

13. If the VIN of the vehicle is not in the impacted population, there will be indication that the VIN is either not received or VIN is not included in the software update. No further action is required. See *Figure 5*.



Figure 5 – VIN Not Included in Software Update

14. If the utility is having issues connecting to the adapter or there is a configuration error, an error message similar to *Figure 6* or *Figure 7* may appear.

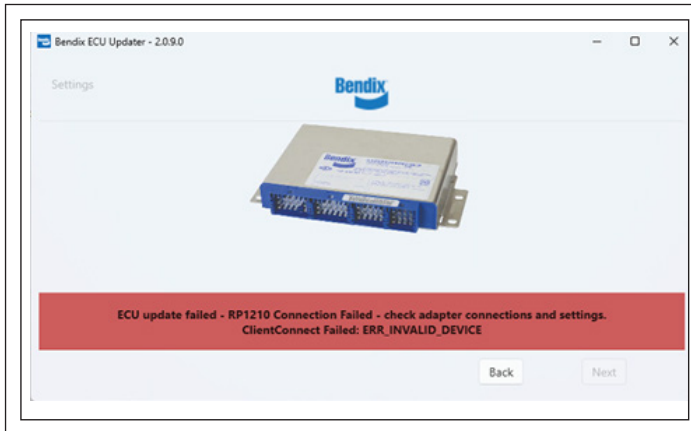


Figure 6 – RP1210 Configuration Error

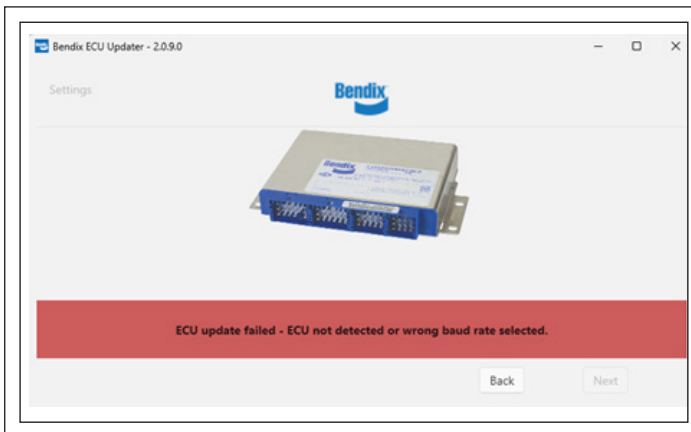


Figure 7 – ECU Not Detected/Wrong Baud Rate Error

Perform the following troubleshooting steps:

- a. Verify the adapter has power and is reading the vehicle data. *Refer to applicable adapter manufacturer's the technical documentation* for more information.

- b. Open the settings within software and verify the appropriate adapter, baud, and channel are selected. See *Figure 8* for an example of the Configuration settings.

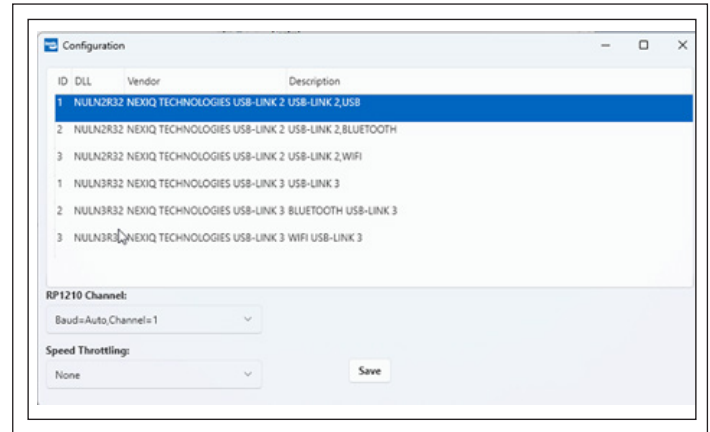


Figure 8 – Example Software Update Communication Configuration Settings Screen

- c. Disconnect and reconnect the adapter from both the USB port and the vehicle diagnostic port.
- d. Close all open diagnostic programs and reattempt the software update from *Step 4*.

TECHNICAL SUPPORT

For support, first refer to the OEM instructions provided by International®. Additional support is available from Bendix by phone at 1-800-AIR-BRAKE (1-800-247-2725). Bendix representatives are available Monday through Thursday, 8:00 a.m. – 6:00 p.m., and Friday, 8:00 a.m. – 5:00 p.m. ET.

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