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Title:

Body Controller Software Revision 231

Applies To:

All Post 2007 Vehicles with Body Controllers

DESCRIPTION

Body Controller Software (Kernel) Revision 231 and Data Version 137 New HVAC Functions and Features

- Detection of failed thermistors; thermistor diagnostics
 - This will detect failed C3 part number thermistors due to corrosion, disengage the A/C system and log a fault in the body controller; it will not prevent thermistors from failing. This software was designed to detect failed thermistors early in the failure cycle in order to protect the A/C system from other major component failures (compressor failures).
- High-pressure fault diagnostic
 - This will log a fault in the body controller and disengage the A/C system if the body controller detects abnormally high head pressure.
- Rear blower on
 - This will engage the rear Aux unit blower fan at a low speed if the front A/C system is on, and the rear unit is off. This will keep at least a minimum air flow across the rear evaporator in order to prevent oil accumulation and liquid slugging.

If the front A/C is on, it will not be possible for the operator to turn the rear blower off completely.

Programming Instructions

To update the Body Controller Software (Kernel) follow the instructions below.

1. Be sure the vehicle batteries are properly charged . Use the smart charger if needed during programming.
2. Connect the Ez-Tech to the truck using NavLink, NavCom (PassThrough Mode) or Nexiq USB Diagnostic Cable
3. Ignition key should be off and the drivers door open (Dome Light is on to keep the Body Controller awake)

4. Open and connect Diamond Logic Builder (DLB) Figure 1

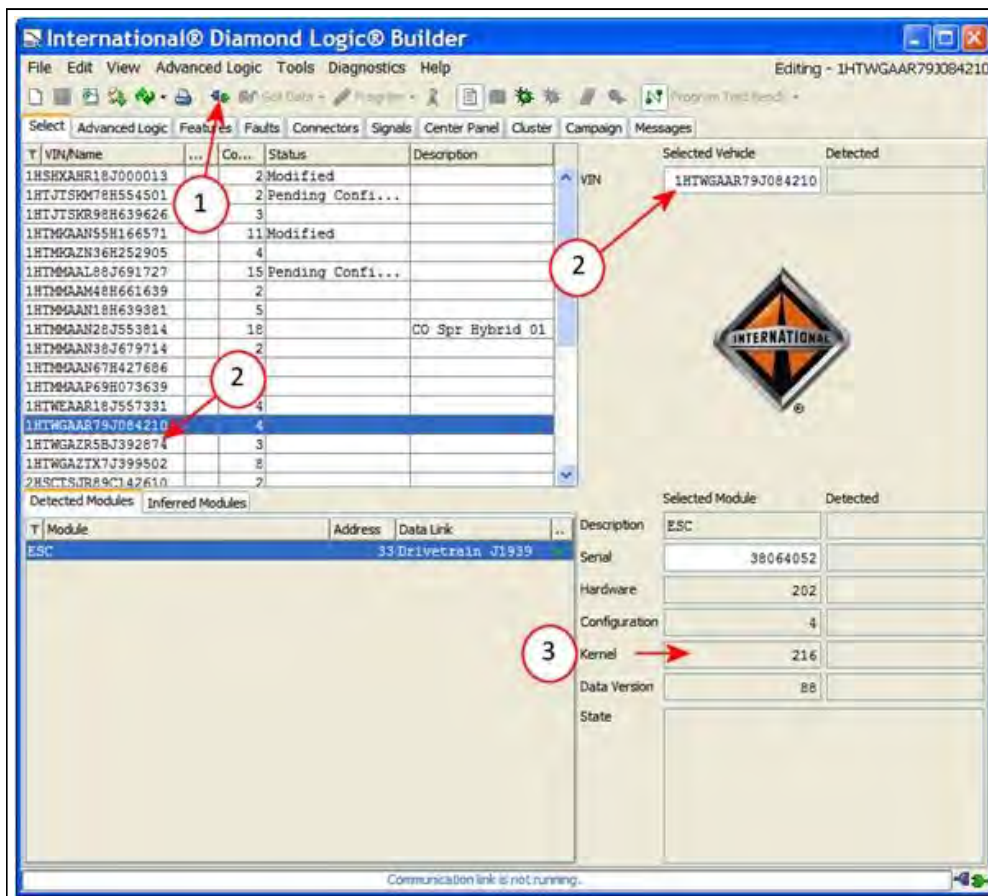


Figure 1 - Connecting Vehicle with DLB

1. Connection Icon
2. Check the correct VIN is connected
3. Body Controller Software (Kernel) Version

5. After the connection has been established check that the proper VIN is connected.
6. Click the Update Software Icon . Figure 2 - Item 1
7. Click the Save Icon. Figure 2 - Item 2
8. Check the Kernel Version is updated. Figure 2 - Item 3
9. Click the Program Button . Figure 2 - Item 4
10. Monitor the programming progress at teh bottom of the screen.
11. Once complete, cycle the ingnition key , check for diagnostic codes and clear all codes

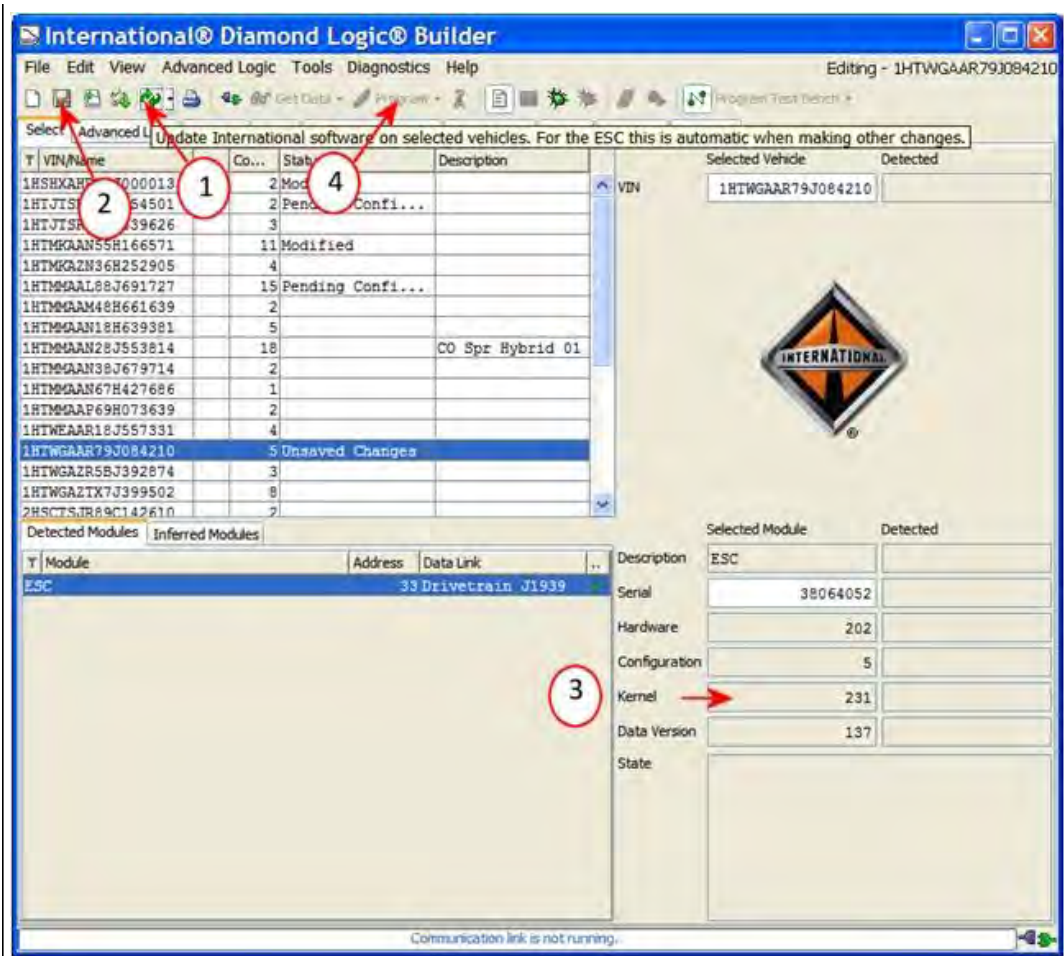


Figure 2 - Updating Software Version with DLB

1. Update Software Icon
2. Save Icon
3. Software (Kernel) Version
4. Program Button