



**Countries:** CANADA, COLOMBIA, UNITED STATES, MEXICO, PUERTO RICO  
**Document ID:** IK0800279  
**Availability:** ISIS, FleetISIS  
**Revision:** 3  
**Major System:** ELECTRICAL SYSTEM  
**Created:** 4/19/2011  
**Current Language:** English  
**Last Modified:** 6/9/2014  
**Other Languages:** NONE  
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**Viewed:** 29383

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Coding Information

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**Title: Body Controller Software Revision 231 HVAC Improvements for Post 2007 ProStar, DuraStar, TranStar Only**

**Applies To: All Post 2007 ProStar, TransStar, DuraStar Vehicles Only**

**DESCRIPTION**

Body Controller Software (Kernel) Revision 231 has improved HVAC controls and features. This software version should only be applied to the following vehicles models:

- 2007- 2009 ProStar
- 2007- 2009 TranStar
- 2007- 2009 DuraStar

These added features and improvements in Version 231 have no impact on other year or models of vehicles .

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

- 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

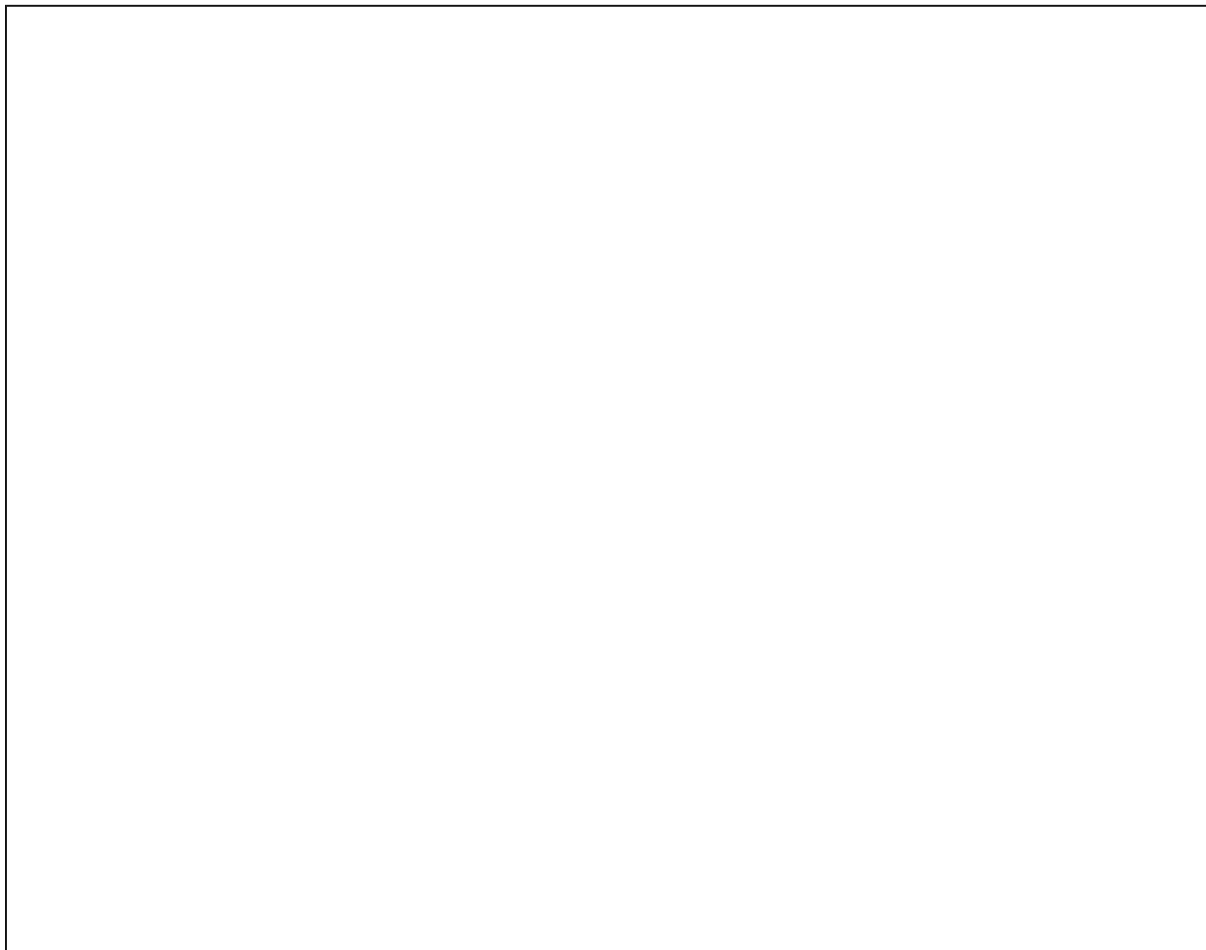
- This will log a fault in the body controller and disengage the A/C system if the body controller detects abnormally high head pressure.
- Rear blower on
- This will engage the rear Aux unit blower fan at a low speed if the front A/C system is on, and the rear unit is off. This will keep at least a 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



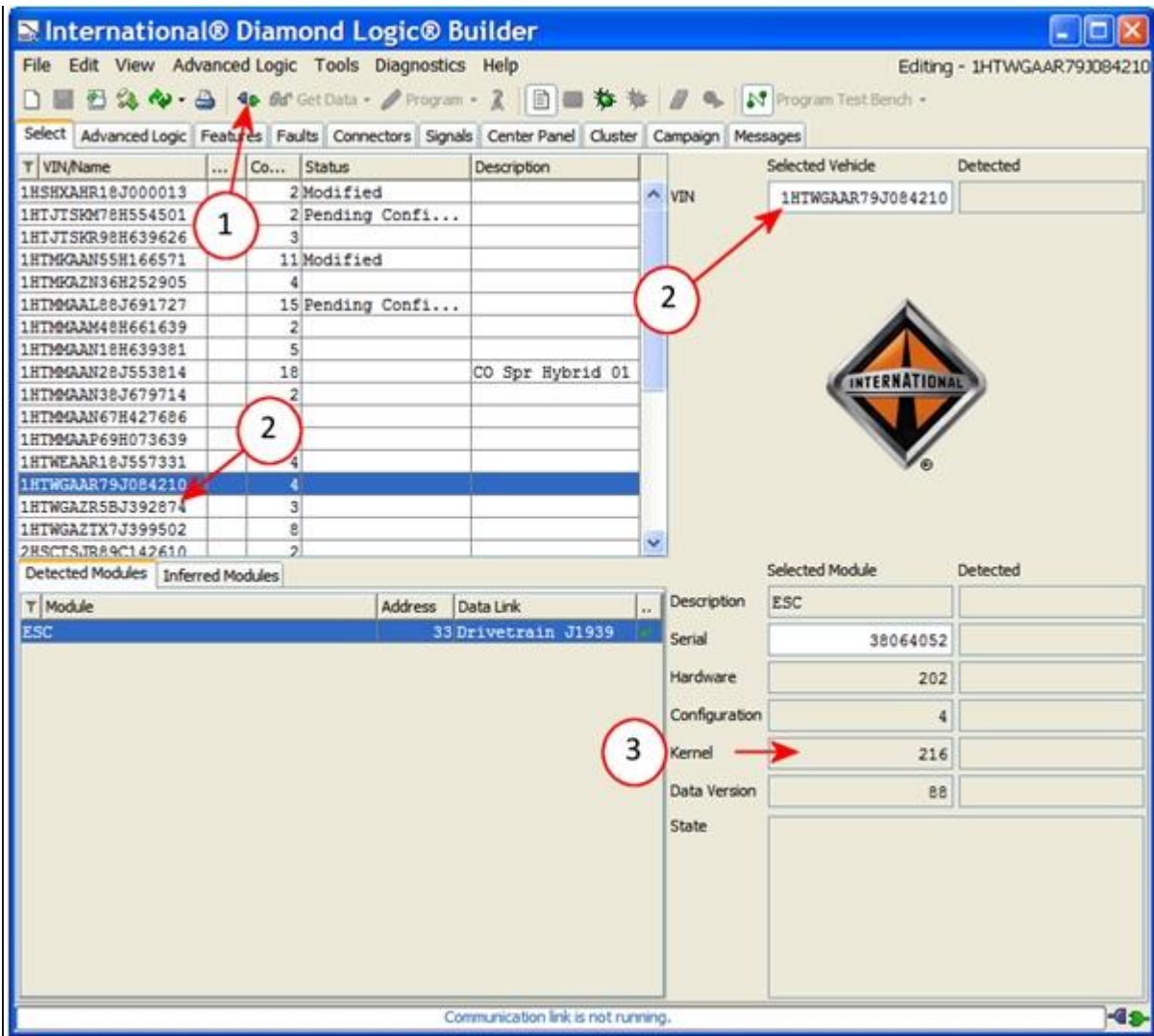
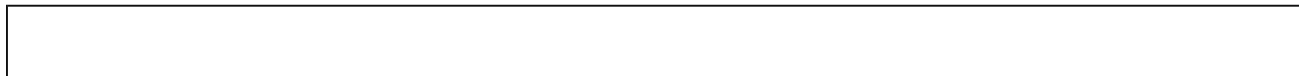


Figure 1 - Connecting Vehicle with DLB

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 ignition key , check for diagnostic codes and clear all codes



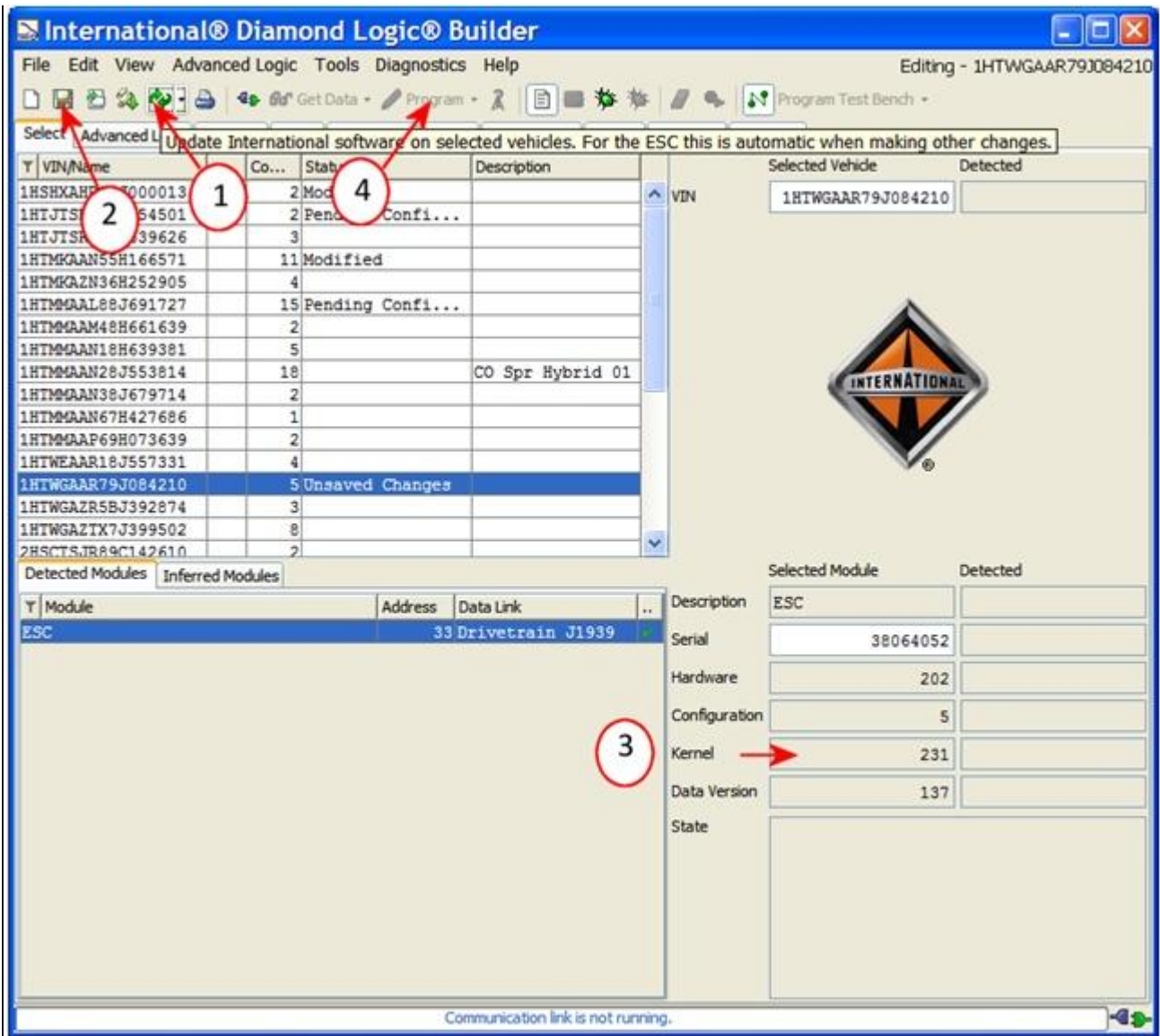


Figure 2 - Updating Software Version with DLB

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

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