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Coding Information

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Title: LT Cluster and Module Programming Information

Applies To: LTs that require a module kernel update with DLB

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

<p>09/20/2017 - title changed for searching purposes</p> <p>09/08/2017 - Initial Article Release</p>
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DESCRIPTION

This document will guide the user through Module Kernel Updating with DLB.

On the LT, RH, HV and MV model trucks the Instrument Cluster, Six Position Switch-Packs, Light Control Module and the Stalk Shifter can be updated.

NOTE:
New Software Versions for the Cluster:
4.02.01 (Premium)
4.01.03 (Base)
Resolves problem of trailer ABS light performing bulb check at key on.

SYMPTOM(s)

Not Applicable

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

Customer Observations or Concerns:

Not Applicable

SPECIAL TOOL(s) / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
DLB		Updated to latest version	

SERVICE PARTS INFORMATION

Not Applicable

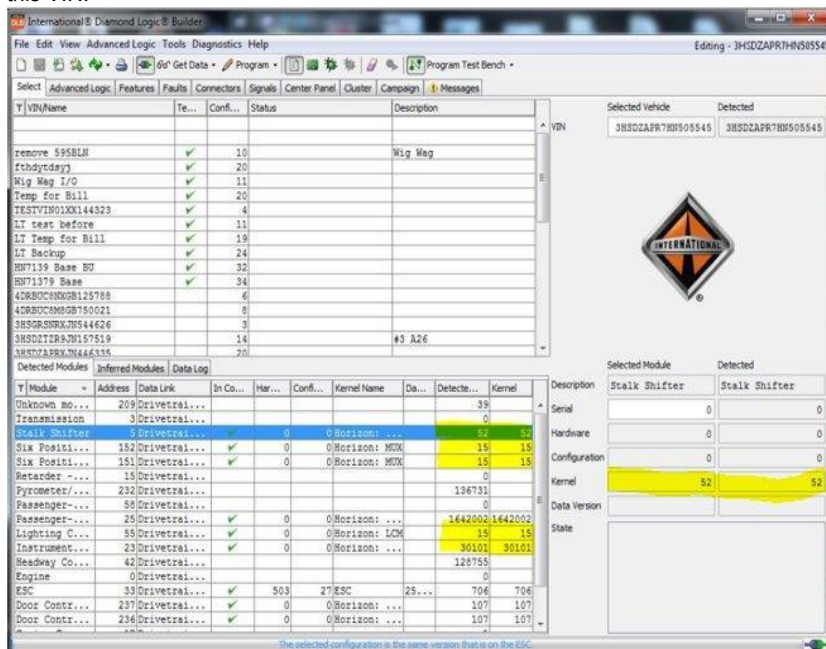
DIAGNOSTIC STEP(s)

Not Applicable

REPAIR STEP(s)

PROGRAMMING STEP(s)

- Prior to connecting to the truck, with DLB, verify that the VIN has been deleted from the list in the Select Tab.
- Unless you are programming the stalk shifter, MUX switches, or door pods you can program the cluster and body controller with the key off. Connect to truck with DLB let it detect the modules, then click on the Detected Modules tab to see the Kernel information for this VIN.



- If the Detected Kernel and Kernel columns are not displayed, Right click on the column header, Red arrow in the graphic below, to select them.

Y Module	Add...	Det...	In C...	Ha...	Co...	K...	D...	Detected Name	Kernel
Six Position S...	151	Dr...	✓	0	0	0	0	Six Position S...	1.6
Six Position S...	152	Dr...	✓	0	0	0	0	Six Position S...	1.6
Lighting Cont...	35	Dr...	✓	0	0	0	0	Lighting Cont...	1.6
Door Control...	234	Dr...	✓	0	0	0	0	Door Control...	3.06
Door Control...	237	Dr...	✓	0	0	0	0	Door Control...	3.06
ESC	33	Dr...	✓	503	14	251	0	ESC	7.06
Instrument Clu...	23	Dr...	✓	0	0	0	0	Instrument Clu...	4.0200
Passenger-Ope...	25	Dr...	✓	0	0	0	0	Passenger-Ope...	3.642002
Engine	0	Dr...	✓	0	0	0	0	Engine	0
Brakes - Syste...	11	Dr...	✓	0	0	0	0	Brakes - Syste...	0
Retarder - Engi...	15	Dr...	✓	0	0	0	0	Retarder - Engi...	0
Cruise Control	17	Dr...	✓	0	0	0	0	Cruise Control	-1
Headway Contro...	42	Dr...	✓	0	0	0	0	Headway Contro...	1.28752
Lighting Contro...	55	Dr...	✓	0	0	0	0	Lighting Contro...	0
Passenger-Ope...	58	Dr...	✓	0	0	0	0	Passenger-Ope...	0
Communications...	76	Dr...	✓	0	0	0	0	Communications...	0

NOTE:

Only modules that are installed on the vehicle in question will show up under the Detected Modules tab.

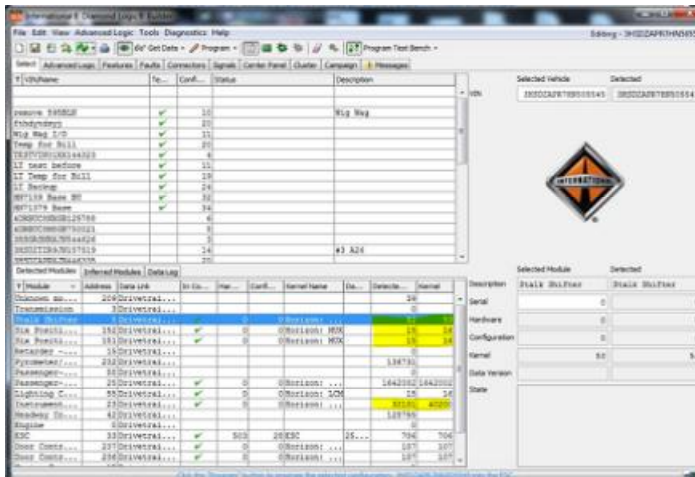
There may be as many as 5 Switch Packs installed on the vehicle. Make sure that all of them are showing up as detected if you are going to try and program them.

- Left click, on the Update All software Icon, or update module if you are only updating one component.

Y VIN/Name	Status	Description
3HSD2AFR7HNS05545	Update International software on selected module.	
3HSD2APRXJN44635	20	
3HSD2TZR9JN157519	12 Unsaved Changes	
3HSGR3R9JN544626	3	
4DRBUC8MGB750021	8	
4DRBUC8NGB125788	6	
BN71379 Base	31	
LT Backup	24	
LT Temp for Bill	19	
LT test before	11	
TESTVIN01XX144323	4	
Temp for Bill	20	
Wig Wag I/O	11	
Echdyrdays	20	
remove 596BLN	10	Wig Wag

Y Module	Add...	Det...	In C...	Ha...	Co...	K...	D...	Detected Name	Kernel
Instrument Cluster	23	Dr...	✓	0	0	0	0	Instrument Cluster	0
ESC	33	Dr...	✓	503	2	ESC	240	ESC	610
Engine	0	Dr...	✓					Engine	
Brakes - System Cont...	11	Dr...	✓					Brakes - System...	
Retarder - Engine	15	Dr...	✓					Retarder - Engine	
Cruise Control	17	Dr...	✓					Cruise Control	
Passenger-Operator C...	25	Dr...	✓					Passenger-Opera...	
Headway Controller	42	Dr...	✓					Headway Controller	
Lighting Control Module	55	Dr...	✓					Lighting Contro...	
Passenger-Operator C...	58	Dr...	✓					Passenger-Opera...	
Communications Unit...	76	Dr...	✓					Communications ...	

- After Left clicking, the Kernel versions will update to a newer version in the selected module column if an update is available
- If the selected and detected kernel versions are the same – no update is available.

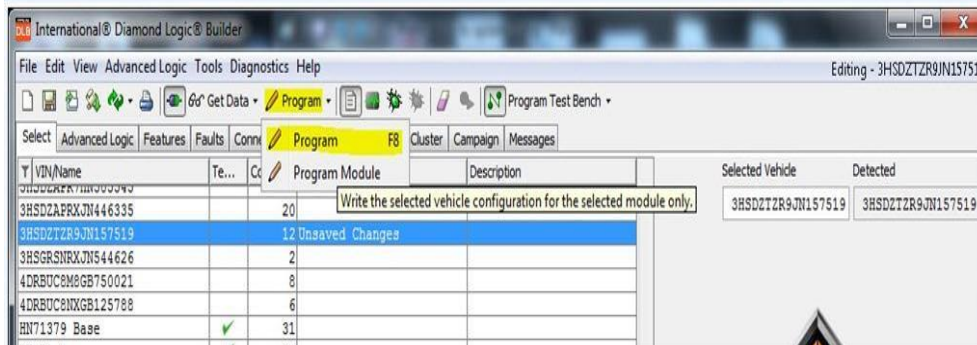


- If you only want to program the cluster, select it under the “detected modules” tab
- After the Kernels show up as being updated, Left click on the Program Icon.

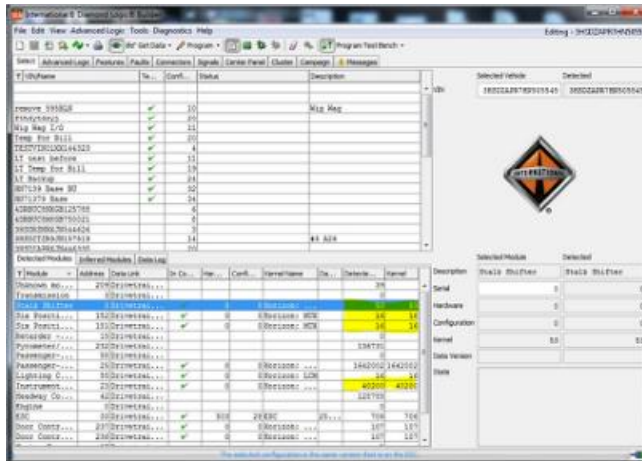
NOTE:

If you only want to program one module than you must select “program module”.

The headlights will go “On” and “Off” during e programming and depending on the number of modules the programming could take as long as 40 minutes to complete. Connecting a battery charger and/or disconnecting the headlights is recommended.



- After clicking on Program Icon, you may be prompted with messages regarding programming the Body Controller. Respond accordingly, as you would with normal Body Controller programming.
- During programming, messages will be displayed, at the bottom of the DLB screen, showing the programming status. This may take up to 40 minutes, depending on how many modules are updated.
- Ensure the programming is complete before disconnecting the computer. There may be pauses during the process, before it is completed.
- When the programming is complete, the module Kernels, as each is selected, in the Selected Vehicle and Detected Columns should match.



- Clear any DTC's that are shown in DLB, after the programming is comple
- You may have to use the Clear DTC routine more than once to clear the DTC's.

WARRANTY INFORMATION

Not Applicable

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

• Hide Details Feedback Information

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Staff ID	Client ID	Comments	Created Date
	DY58244	You received the following feedback From: DY58244 - Daniel Briand Email Address: dbriand@inter-rivenord.com Job Classification: SE008, Service Technician Dealer: INTERNATIONAL RIVE NORD Feedback: the document is wrong ,we did it on a couple unit ,and the right procedure is to go over the module you want to program and right clic on the mouse ,then select update module in the tab that apears ,then click program ,otherwise it impossible to update it ,tks! if u need more details call me at 450-803-7207	9/21/2017 10:38:20 AM

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