HINO TRUCKS™
A Toyota Group Company

VOLUNTARY CAMPAIGN BULLETIN

SUBJECT:	Dosing Control Unit (DCU) Software Enhancement
DATE:	04-18-2014
BULLETIN NO.:	RCB-004-14
CAMPAIGN NO.:	A9420
AFFECTED MODELS:	Certain 2014 Model Year 195 and 195h model vehicles.

IMPORTANT:
Verify the vehicle requires the work to be performed by referencing the vehicle by VIN within the Hino Warranty System (DCS).

CONDITION:
When a subject vehicle is operated at low temperatures, the DEF (Diesel Exhaust Fluid) in the DEF hose may freeze, which may cause the on-board diagnostic system to work improperly, and may cause the MIL (Malfunction Indicator Lamp) in the instrument cluster of the vehicle to turn "ON".

SUBJECT VEHICLES:
Certain 2014 Model Year 195 and 195h model vehicles that were assembled at the Hamura Japan plant.

BEFORE YOU BEGIN:
Read and understand all instructions and procedures before you begin. Read and observe all Notes, Cautions and Warning alerts that precede these instructions while following the procedures. The alerts help to avoid damage to components, serious personal injury, or both.

!!! WARNING !!!

- Park the vehicle on a level and solid surface and apply the parking brake.
- Confirm the engine is stopped, the starter switch is in the off (LOCK) position, and the key is removed.
- Wear safety glasses to prevent eye injuries.
- Place wheel chocks in front of and behind all wheels.
- Be certain the vehicle batteries are fully charged to insure battery power does not drop below 11.5 volts during the procedure.
- Be certain the programming computer battery is fully charged or a power supply is connected to insure the computer doesn't shut down during the procedure.

Vendor Ref.:	QA-140418-N1

Once the Campaign is Performed

Complete the campaign sticker shown below and affix it to the door jamb above the VIN tag.

PART APPLICATION CHART:

Part Number	Description	Quantity
8955037142	Dosing Control Unit (DCU) Software	1

WARNING:

Always verify that correct rpr file is being selected before programming.

VEHICLE PREPERATION:

1. Park the vehicle on level ground.
2. Confirm the engine is stopped, the starter switch is in the “OFF” (LOCK) position and the key is removed.

3. Apply the parking brakes.

4. Chock the wheels.

DCU REPROGRAMMING PROCEDURE:

1. Before continuing any further, confirm the computer being used for the reprogramming is equipped with the new **Hino Diagnostic eXplorer II (DXII) program**.

2. Connect the electronic interface tool between the DLC (Diagnostic Link Connector) and USB port of the programming computer.

WARNING:
Use ONLY the DST-i or Nexiq USB Link electronic interfaces. Use ONLY the USB cable connection from the electronic interface to the computer - do NOT use the Bluetooth feature for programming.

3. Locate the vehicle's DLC located under the instrument panel on the left side of the steering column.

WARNING:
Before programming, be certain the computer's Power Saver, Screen Saver or any other Stand-by features are disabled. Failure to disable these features may severely damage the vehicle's Dosing Control Unit (DCU) should the computer become dormant or hibernate.

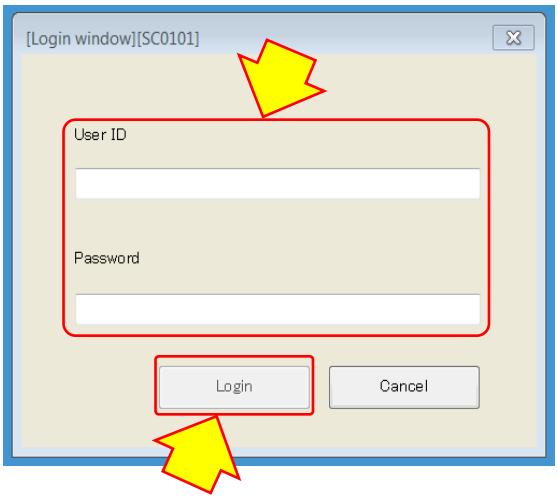
IMPORTANT NOTE:
*The new **Hino Diagnostic eXplorer II (DXII)** software MUST be used for the subject campaign.*

HINO DXII HINO DIAGNOSTIC EXPLORER

4. Locate the "HinoDX2.exe" icon on the computer Desktop and double-click to execute the program.

5. Sign onto the DXII program using your User ID and Password established at the time the TSM installed the program.

6. Click the "Login" button once the User ID and Password are entered.

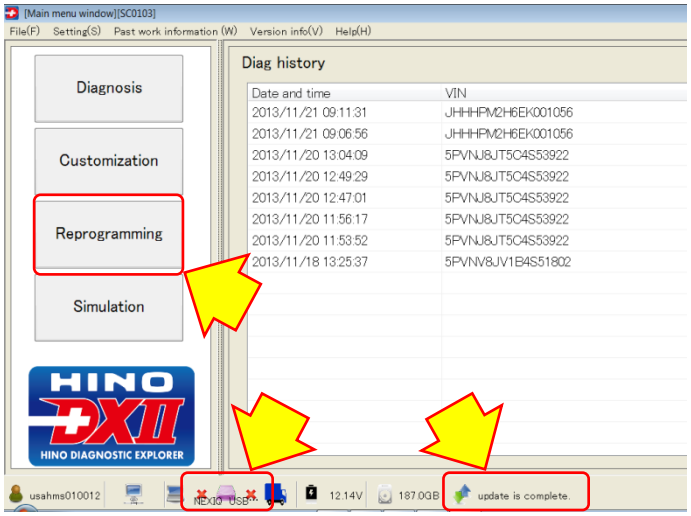


7. Insert the key into the starter switch and turn the key to the "ON" position. **Do NOT start the engine**.

8. Make certain the computer is connected to the Internet and the DXII is completely updated as shown below right.

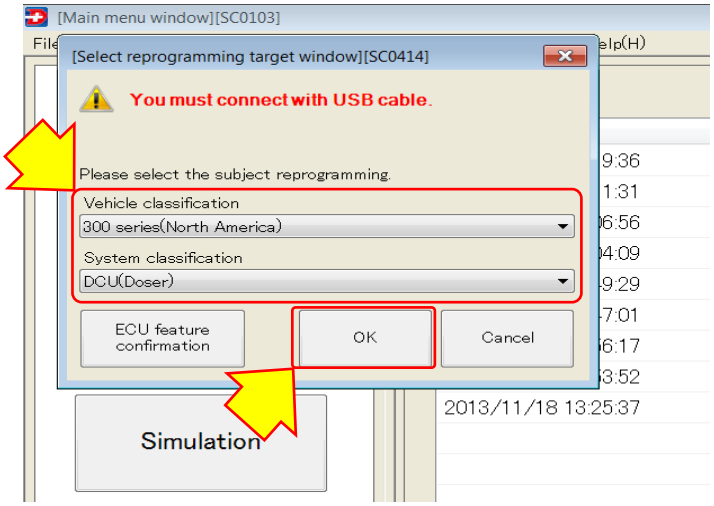
9. Make certain the appropriate diagnostic interface tool is selected as shown below right. Use the "Settings" tab to change the diagnostic tool selection.

10. Now click the "Reprogramming" button from the DXII menu on the left side of the screen.



11. Use the drop-down features shown and select the following:
    - "300 Series (North America)"
    - "DCU (Doser)"

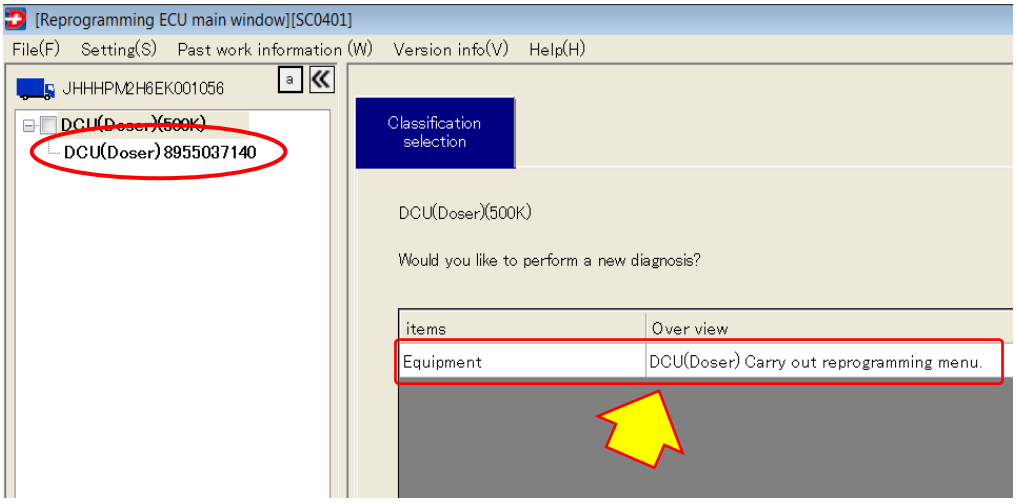
12. Now click the "OK" button to continue.



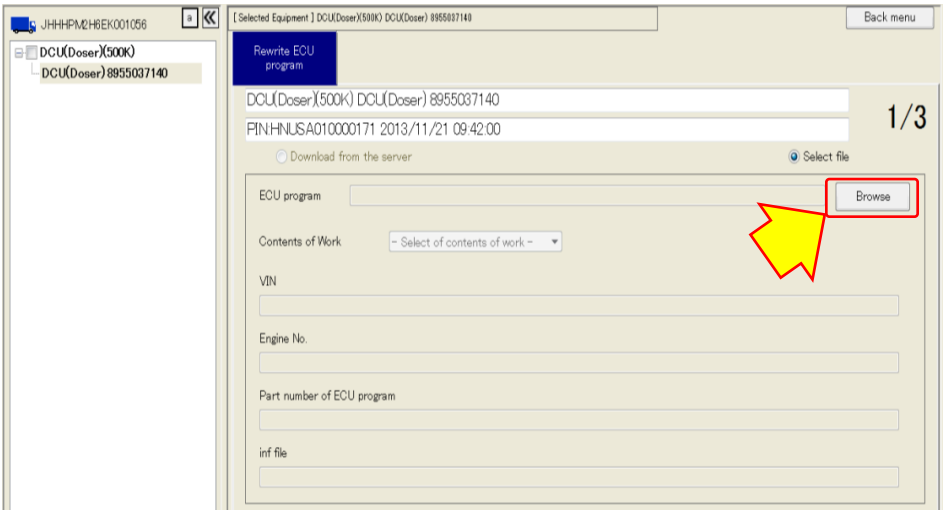
13. Inspect the current DCU software level, is the software version 8955037142?

    Yes- Programming is not required, exit the program and proceed to "Final Inspection".

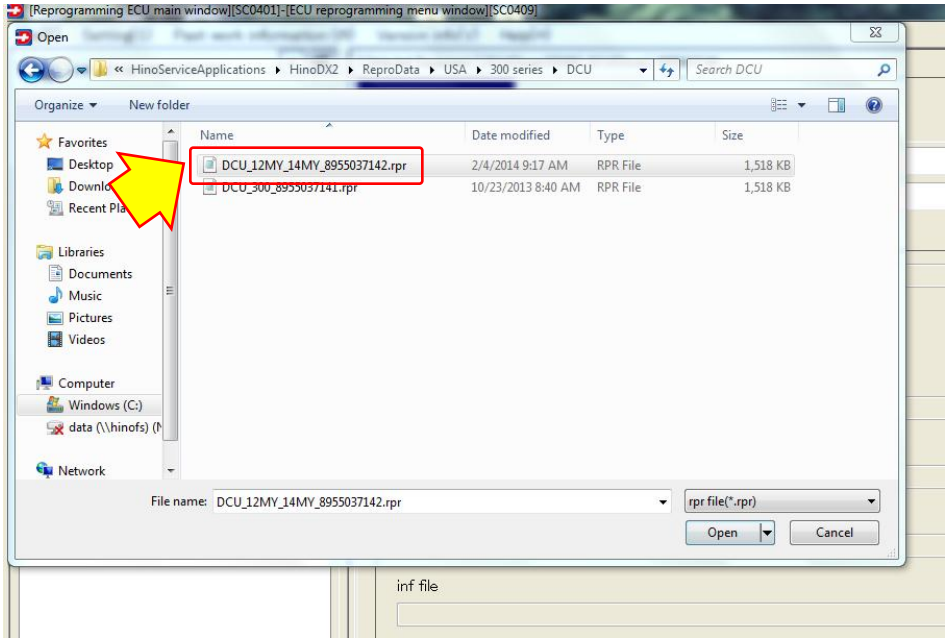
    No-Select "DCU Carry out reprogramming" and continue to step 14.



14. Click the “Browse” button to Select File for reprogramming the DCU.

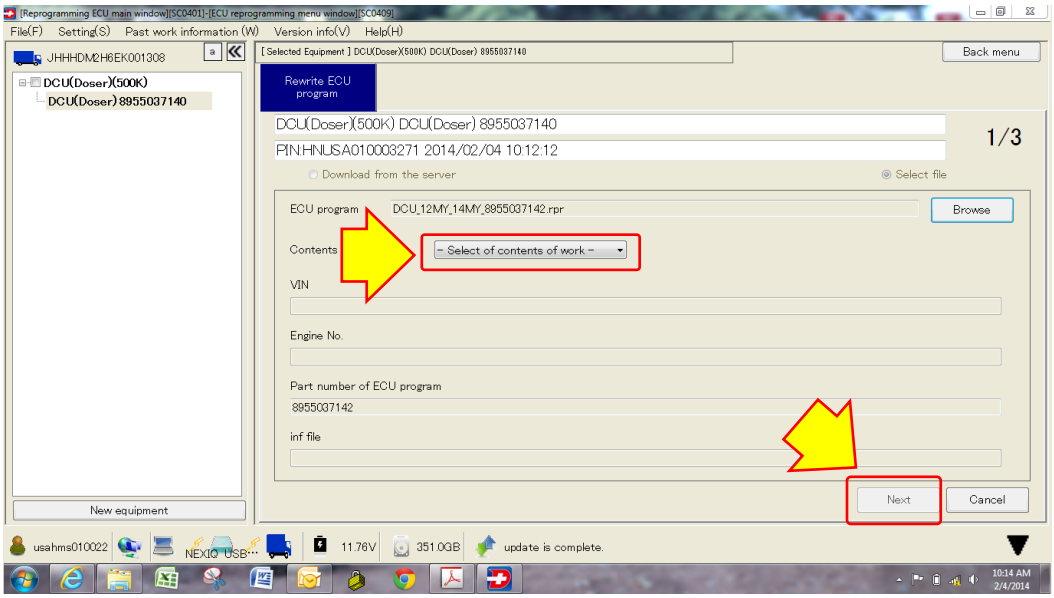


15. The DXII should automatically navigate to the corresponding folder containing the proper programming file. Verify the correct DCU program file is displayed then double-click the file to continue.

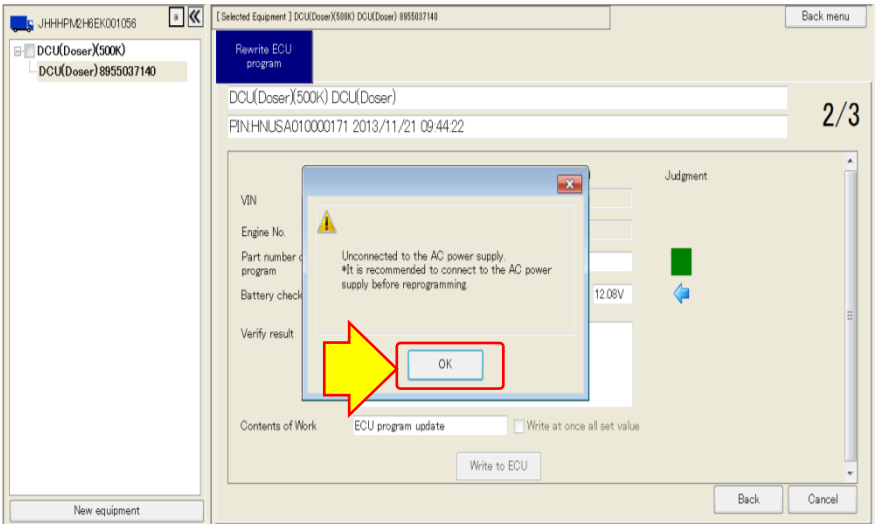


16. Use the drop-down feature and select “ECU Program Update” for Contents of Work as shown to the right.

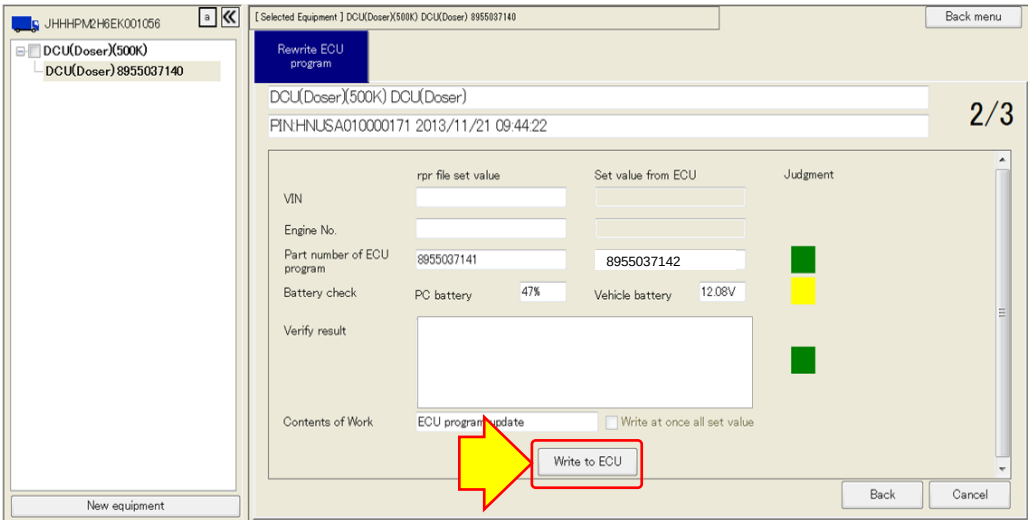
17. Now click the “Next” button to continue.



18. The caution message will appear if the computer is not connected to an AC power source. Make certain the computer is connected to an AC power source then click the “OK” button to continue.

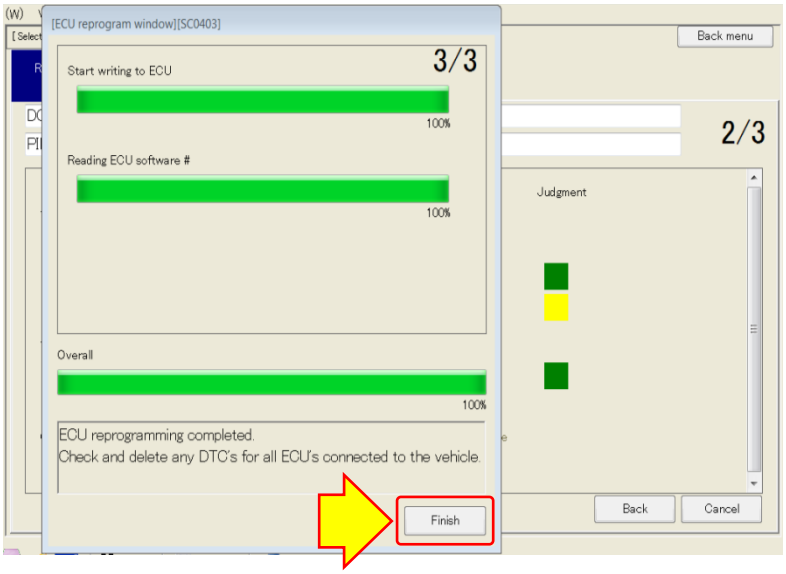


19. Once the program displays and validates the new file compared to the old, click the “Write to ECU” button to begin programming the DCU.

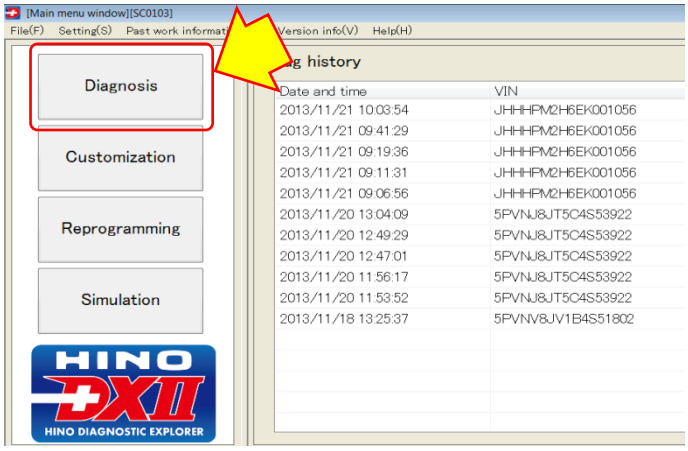


20. Programming of the DCU will take 10-15 minutes depending on your computer and electronic interface selected. Once the programming is completed, click the “Finish” button.

21. Next, **<u>turn the starter switch to the “OFF” position for at least two (2) minutes</u>**, then turn the starter switch back to the “ON” position and proceed to the next step.



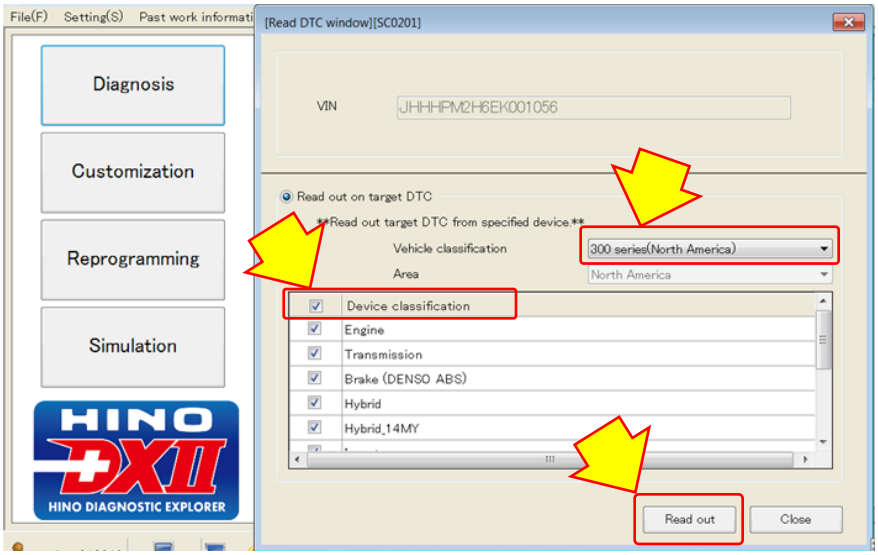
22. During the programming process it is likely that fault codes will occur and the MIL may be illuminated. Therefore, fault codes MUST be erased before returning the truck to the customer. To erase all fault codes return to the DXII Main Menu then click the "Diagnosis" button as shown.



23. Use the drop-down feature and select "300 Series (North America)".

24. Next, place a check mark in the "Device Classification" box to select all control modules on the vehicle.

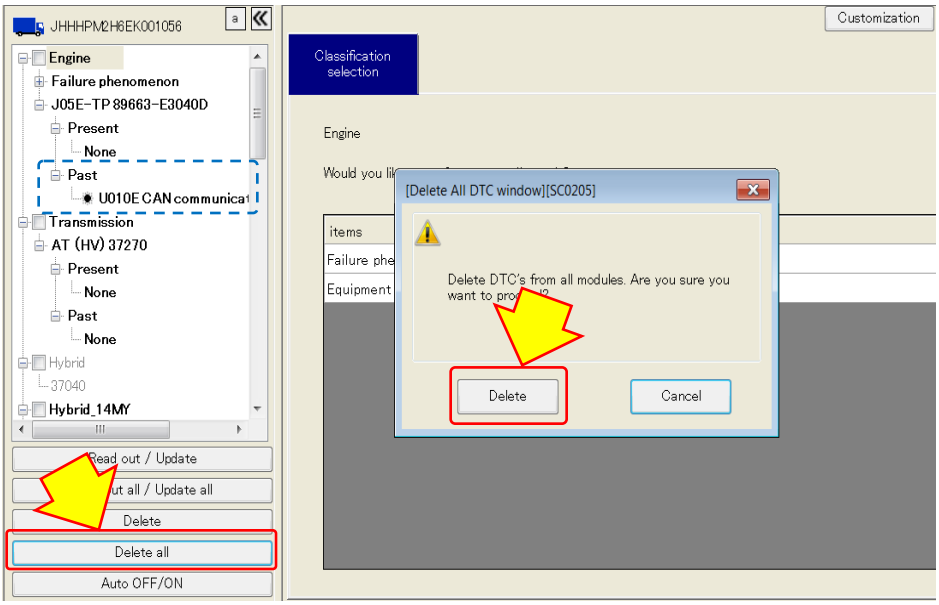
25. Now click the "Read Out" button to read all fault codes in all control modules.



NOTE: The left pane of the screen will display all control modules with Present and Past faults. It is not necessary to record any faults at this time but rather important the faults be erased entirely.

26. Click the "Delete All" button as shown to the right then click the "Delete" button when prompted.

27. Step 26 should be repeated once again to completely erase all Past faults.



FINAL INSPECTION:

IMPORTANT:
In most cases during the reprogramming of the DCU, diagnostic fault codes (DTC's) may be inadvertently recorded in one or more control modules including the DCU. Make certain all DTC's have been erased and that the Malfunction Indicator Lamp (MIL) is NOT illuminated.

CLAIM APPLICATION:

DCU Software Part Number Inspection Only:

a) Campaign No: A9420
b) Labor charge: 0.4 Hr.
c) Warranty code: 8666798
d) Operation code: 86650AOT
e) Original failed part: 9999999999

DCU Software Inspection and Reprogramming:

f) Campaign No: A9420
g) Labor charge: 0.8 Hr.
h) Warranty code: 8666798
i) Operation code: 86650AOT
j) Original failed part: 9999999999