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TECH TIP

DX3 ENGINE ECU PROGRAMMING

GROUP: 0-GENERAL
TECH TIP NO: TT-23-016
DATE: 3-1-2023

SUBJECT VEHICLES:

11MY-21MY Conventional Trucks equipped with a J08 engine or 13MY-20MY Cab Over Engine (COE) trucks equipped with a J05 engine.

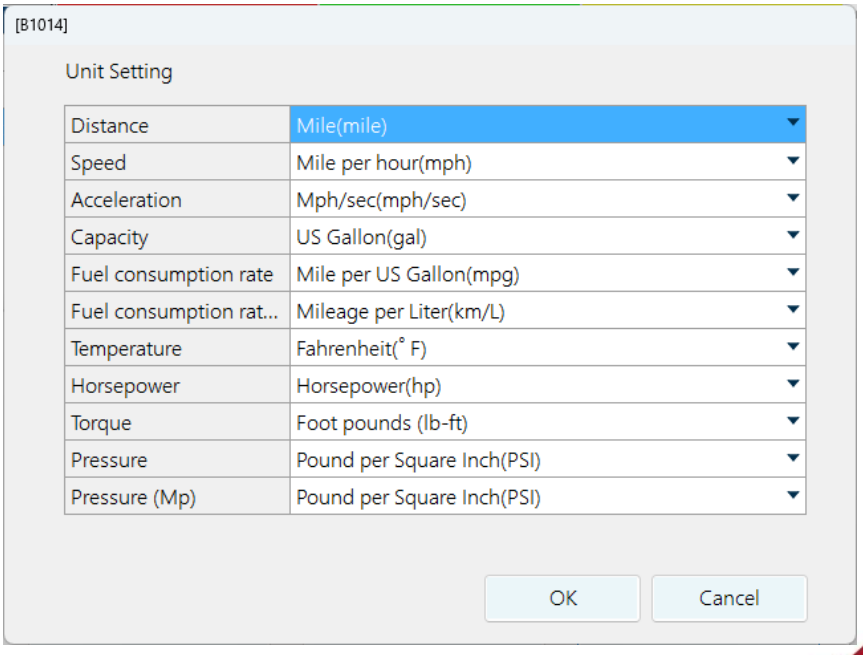
OVERVIEW:

The purpose of this procedure is to provide instructions in performing engine ECU programming on 2011 and newer Conventional or COE series trucks using DX3.

Note: This technical tip is provided as technical information and is not authorization for a warrantable repair.

REPAIR PROCEDURE:

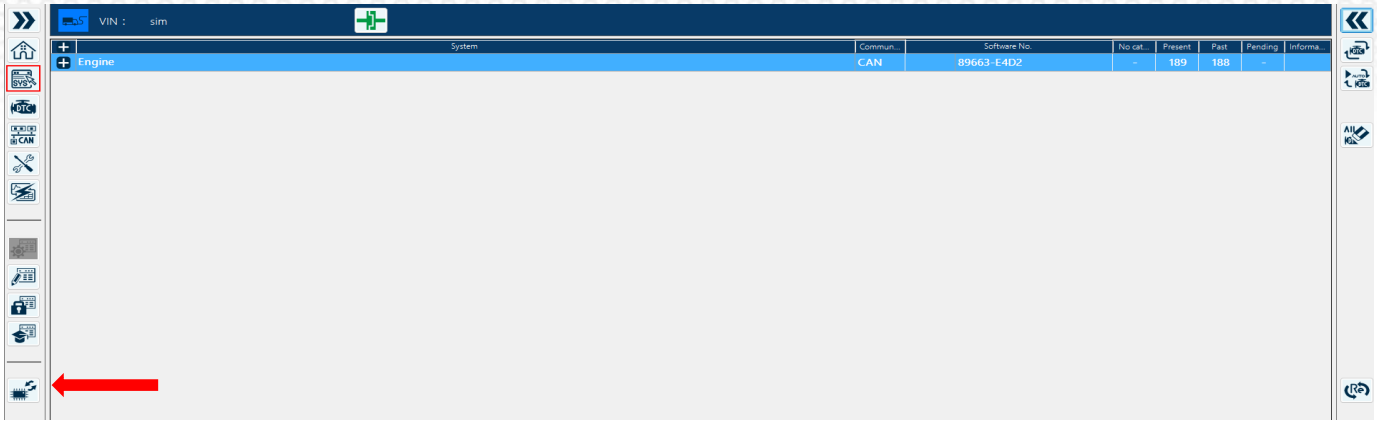
Note: Be sure to change Unit Settings in DX3. Click ***Settings*** (gear in the upper right) > **Unit Setting** and then mirror the settings below, click ***OK***. Log out of DX3, then log back in to hold new settings for future DX3 connections and data monitoring.



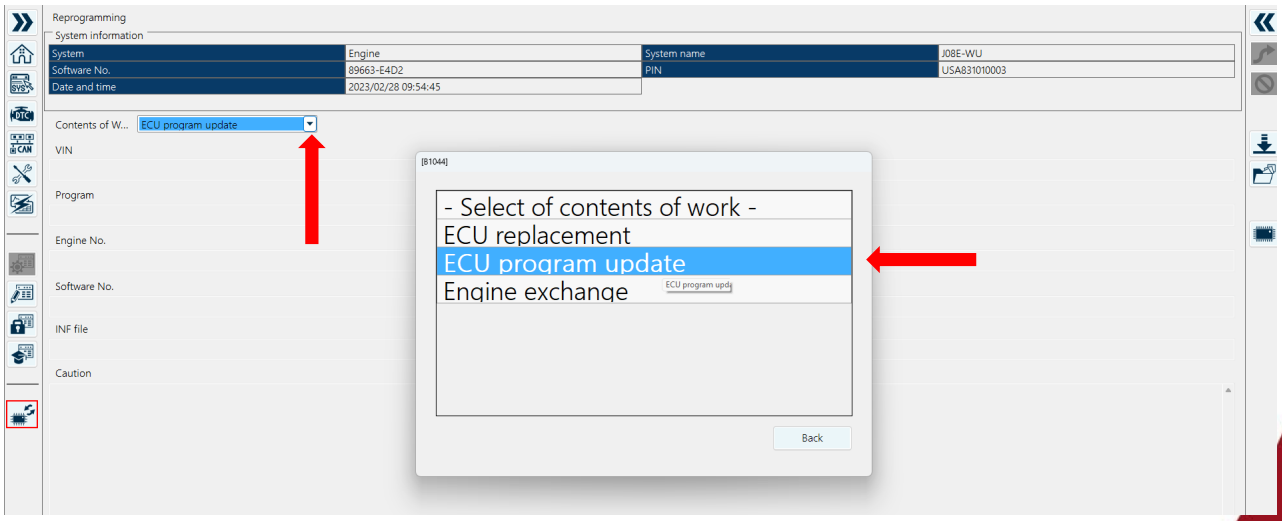
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1. Perform read out of all modules. Next to the module, verify the engine ECU software to confirm there is an update is needed.

2. Select ***Reprogramming*** in the lower left.

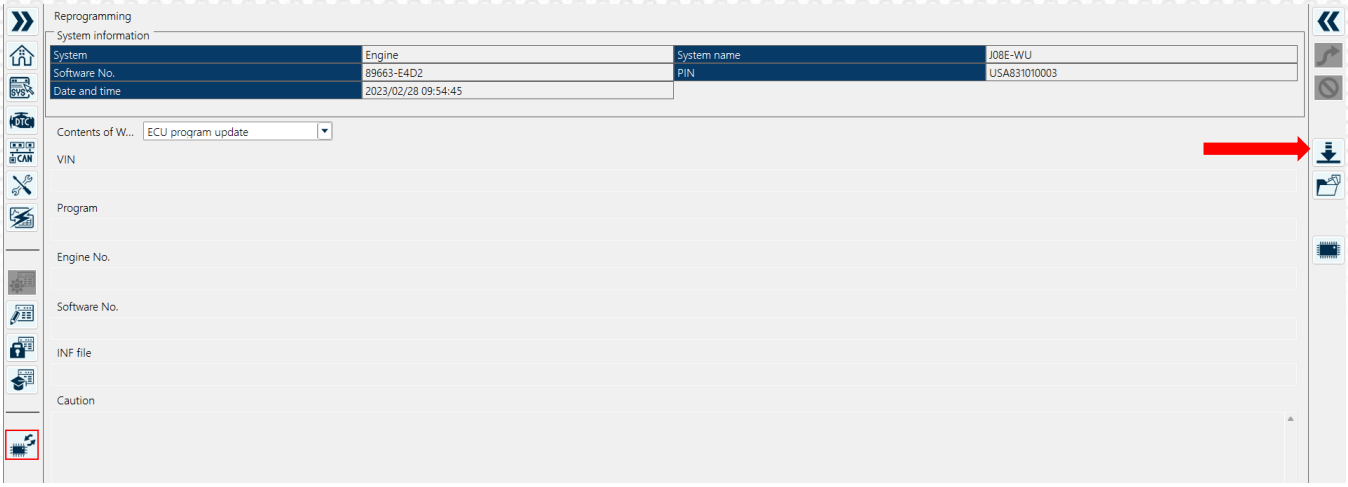


3. Select ***Contents of Work*** drop down and then select desired programming type.

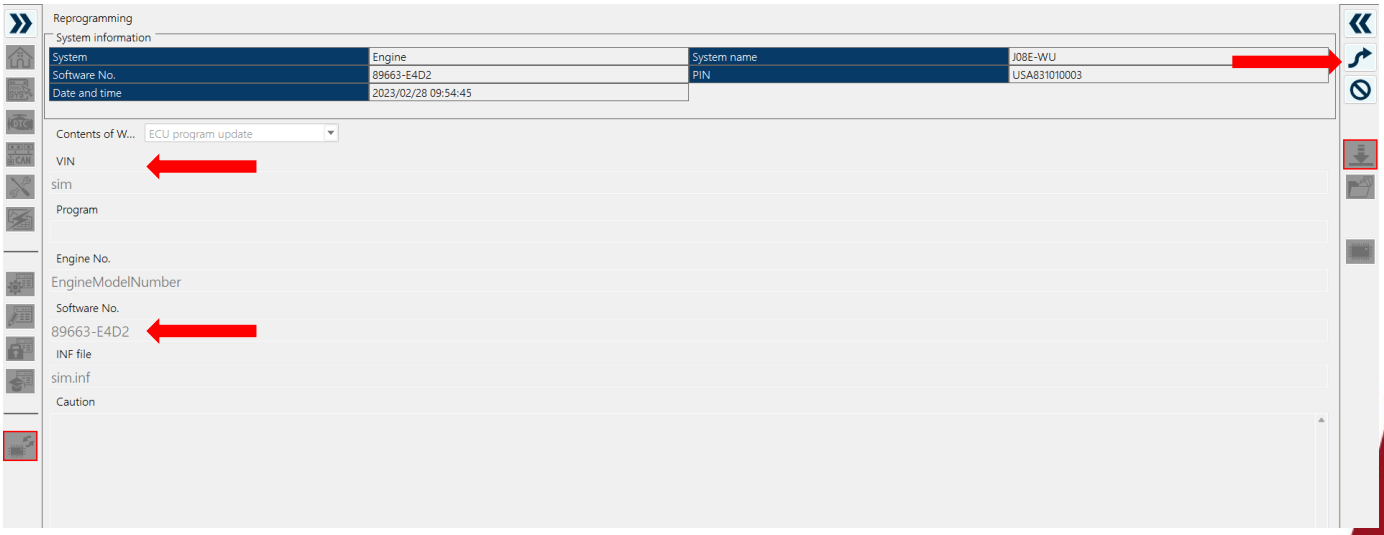


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4. Select ***Download.***

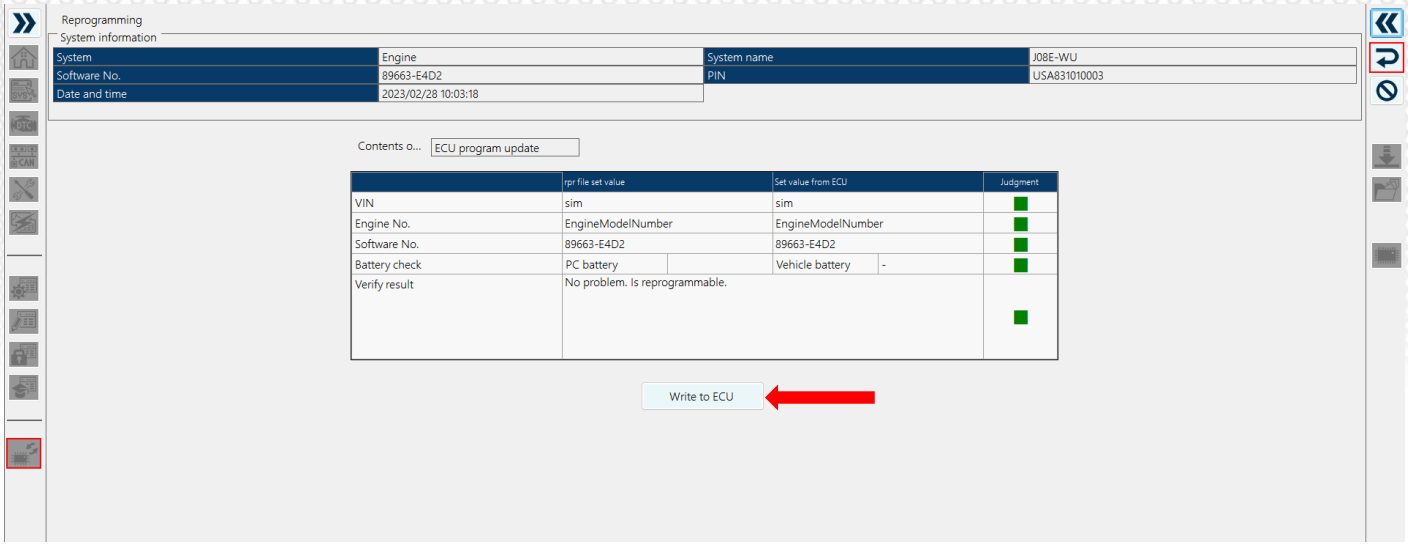


5. Verify ***Software Level*** and ***Vin*** are correct, then click **Next** in the upper right of DX3.

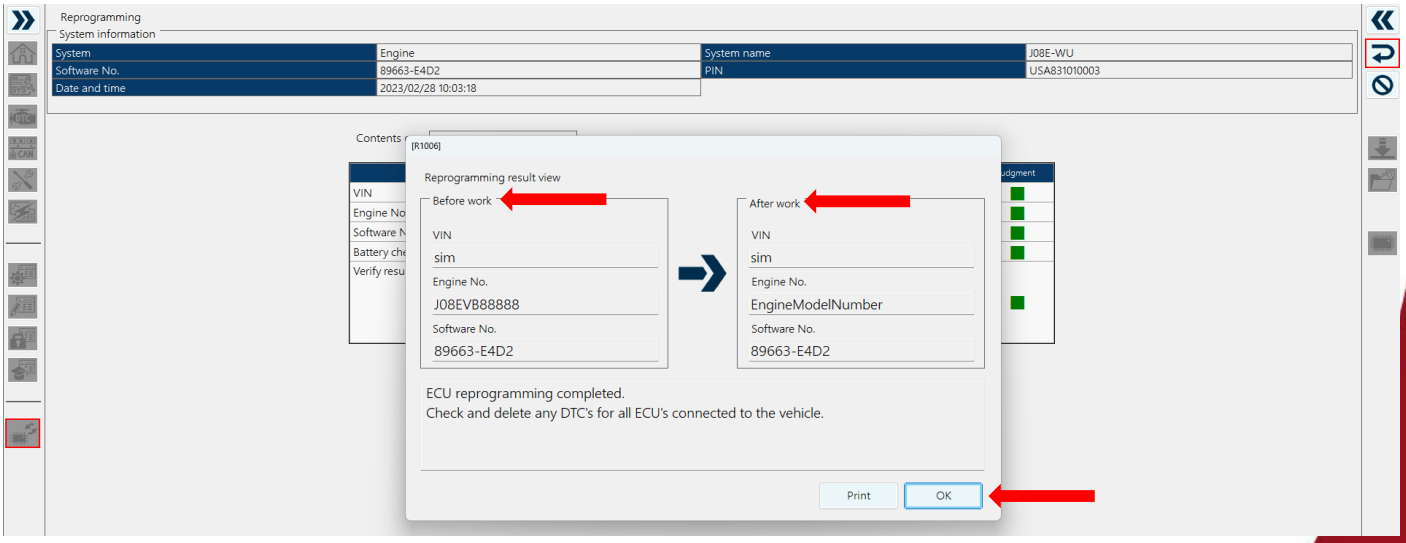


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6. Verify judgments and click ***Write to ECU.***

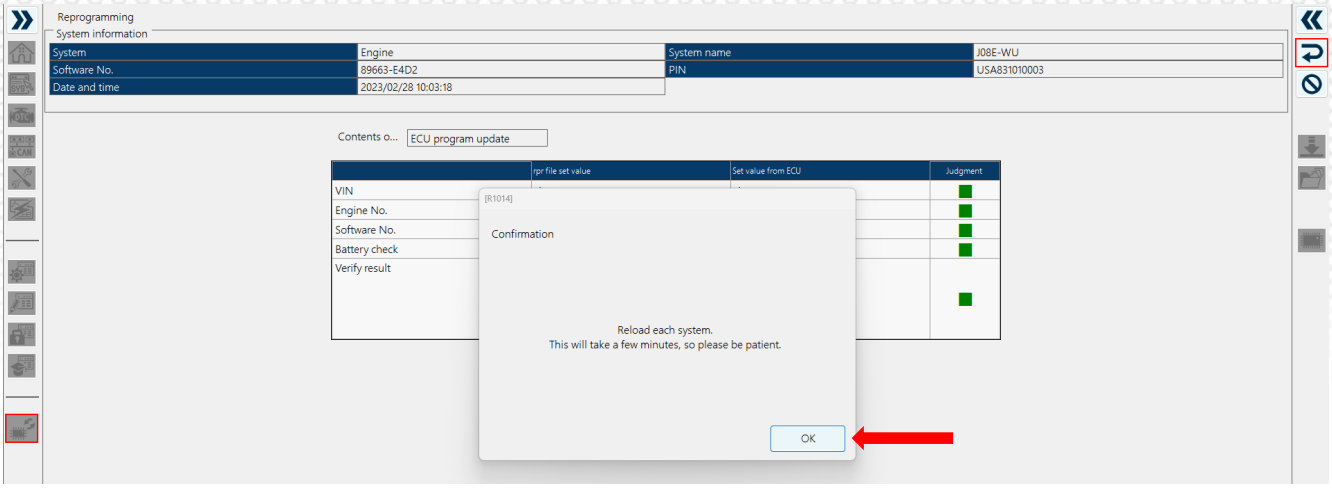


7. Follow screen prompts through programming as offered. Once programming has completed, verify ***Before Work software*** and ***After Work software*** to ensure software has been updated, then click ***OK.***



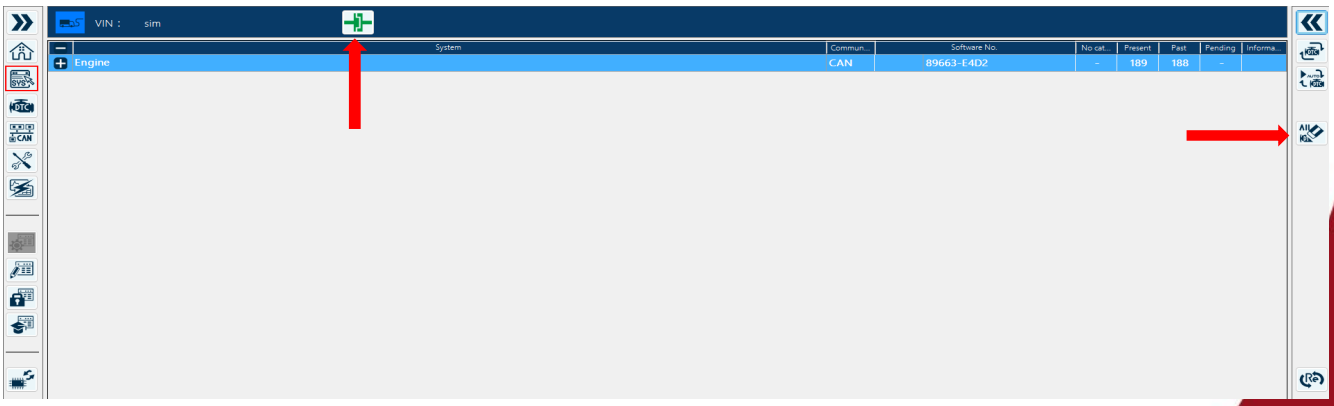
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8. Allow DX3 to reload each system by clicking ***OK.***



9. Once reload has completed, turn the ignition key off for two minutes, turn the key back on, click ***Delete DTC*** on the right of the screen.

IMPORTANT:
Once programming has completed and there is no further diagnosis needed, click ***Disconnect*** at the top of DX3. **NEVER** unplug from the truck without a disconnect first, allow the DX3 session to properly end.



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