



## **EMISSIONS RECALL**

**CAB OVER ENGINE (COE) ECU AND DCU  
SOFTWARE UPDATE**

**CAMPAIGN NO: AADK0  
DATE: 6-20-2019  
REFERENCE: QA-190618-N1**

**SUBJECT VEHICLES:** 18MY-19MY COE trucks equipped with a J05 engine

**Note:** *Refer to the appropriate Vehicle Identification Number in the warranty system to determine vehicle eligibility.*

### **5. Handling of Dealership Inventory**

Under 40 Code of Federal Regulations § 1068.101, a dealer cannot sell, offer for sale, or introduce or deliver for introduction in interstate commerce a new motor vehicle when it is aware that the vehicle does not comply with an applicable Federal Motor Vehicle Safety Standard or contains a defect related to motor vehicle safety. A civil penalty of up to \$44,539 may be assessed for each engine or piece of equipment in violation. In addition, 49 Code of Federal Regulations §577.13 requires us to provide the following advisory: It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by this notification under a sale or lease until the defect or noncompliance is remedied.

We request your assistance to ensure involved vehicles are identified and not delivered prior to performing the remedy.

### **OVERVIEW:**

Software updates are required for the Engine ECU (Engine Control Unit) and DCU (Dosing Control Unit) modules. These updates are intended to address the following items.

- 1) SCR (Selective Catalytic Reduction) Feed Back Monitor (P2BAE)
- 2) DPF (Diesel Particulate Filter) Feed Back Monitor (P24A1 or P24A0)
- 3) Urea SCR Tank Heater Valve Stuck Open Monitor (P20B2)
- 4) MIL (Malfunction Indicator Lamp) ON software issue for DCU; OBD (On Board Diagnostics) Improvement
- 5) NOx (Oxides of Nitrogen) sensor offset monitor (P2201)



Hino is using this opportunity to implement OBD improvement items (which are not by themselves recall items) that are included in all affected engines.

<Additional Items>

DPF Over Temperature Monitor (P200C)

All Cylinder Misfire Detection Monitor (P0300)

Misfire Monitor (Conventional vehicles: P0301-P0304)

DOC1 (Diesel Oxidation Catalyst) Over Temperature Monitor (P2428)

SCR Feed Back Monitor (P2BAE)

Reductant Temperature “Too High” Monitor (P24FF)

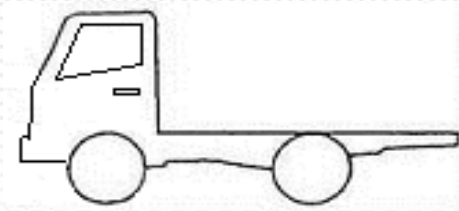
***BEFORE YOU BEGIN:***

- Read and understand all instructions and procedures before you begin the work.
- Read and follow all **NOTICES, WARNINGS, and CAUTIONS** set forth in this publication. These alerts help to avoid damage to components, serious personal injury, or both.
- 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.
- **NOTICE:** Before beginning these procedures, you **MUST** install a battery charger on the vehicle to ensure battery power does not go low during reprogramming.
- **NOTICE:** Before beginning these procedures, you also **MUST** be certain that the laptop battery is fully charged, or a remote AC power supply is connected to the laptop to ensure the battery power does not go low during reprogramming.



## VEHICLE PREPARATION:

1. Park the vehicle on a flat, level and solid surface.



2. Confirm the engine is stopped, the ignition switch is in the off (LOCK) position, and the key is removed.



3. Apply the parking brake.



4. Chock all of the wheels.



## Engine ECU Software

PART NUMBER	MODEL YEAR	ENGINE SERIES	QUANTITY
89663-E4048	2018 Diesel	J05ETP	As Required By VIN or Higher
89663-E4058	2018 Hybrid	J05EUG	
89663-E4645	2019 Diesel	J05ETP	
89663-E4655	2019 Hybrid	J05EUG	



# DCU Software

PART NUMBER	DESCRIPTION	QUANTITY
89550-37245	18MY	As Required By VIN
89550-37245	19MY	

## PC PREPARATION

### PC Power Management

**CAUTION:** Disable the computer features listed below. Failure to disable these features may severely damage the vehicle's control modules.

1. Screen saver
2. Energy saving features
  - a. Monitor
  - b. Hard disks
  - c. System standby

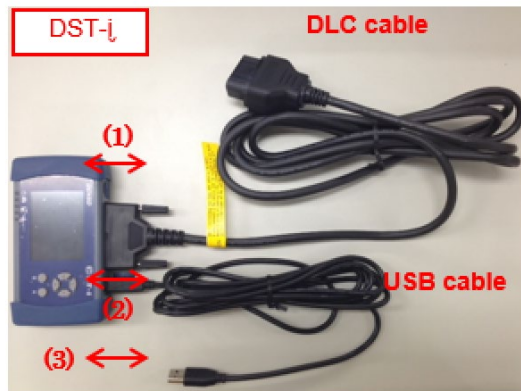


**NOTICE:** The illustrations above depict what you will see on your computer screen with regard to the features which must be disabled. The location on the screen of the features to be disabled will vary, however, based upon the operating software. Consult your IT (Information Technology) department as required.

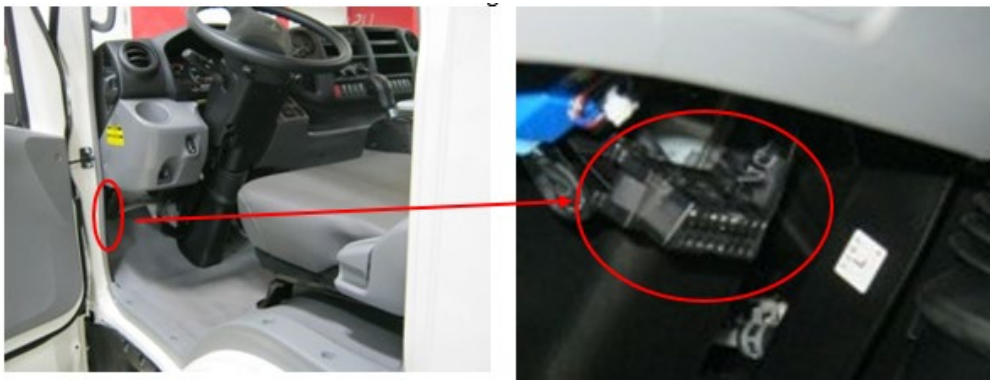
## DCU & ECU REPROGRAMMING PROCEDURE

**CAUTION:** Two modules will be reprogrammed during this procedure. A battery charger **MUST** be installed on the vehicle to ensure battery power does not go low during reprogramming or damage to these modules may occur. **DO NOT** start the procedure without the battery charger being installed.

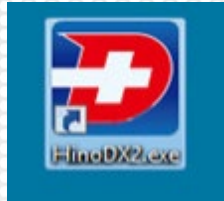
1. Prepare a DXII compatible interface, such as the Denso DST-i or the Nexiq USB Link 2 to perform this reprogramming procedure. To assemble the interface cable, perform the following steps.
  - (1) Connect the DLC (Diagnostic Link Connector) cable to the interface.
  - (2) Connect the USB Cable to the interface.
  - (3) Connect the USB connector to the USB port on your computer.



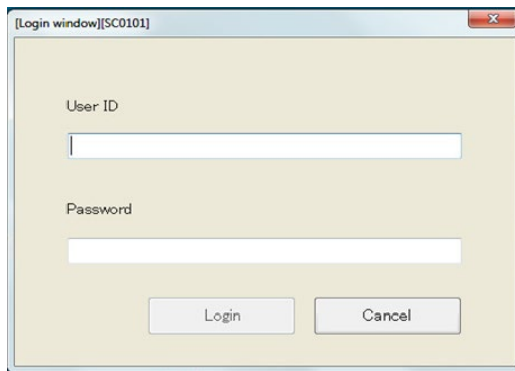
2. Connect the DLC cable to the vehicle's DLC connector. The DLC connector is found under the dash on the left side of the steering column.



3. On your computer, locate the “Hino DX2” icon and open it.



4. Hino DX2 will prompt you for a “User ID” and “Password”. Enter your User ID-, and password and then select the “Login” icon. Verify that the DX2 has software version 1.1.19.6 or later.

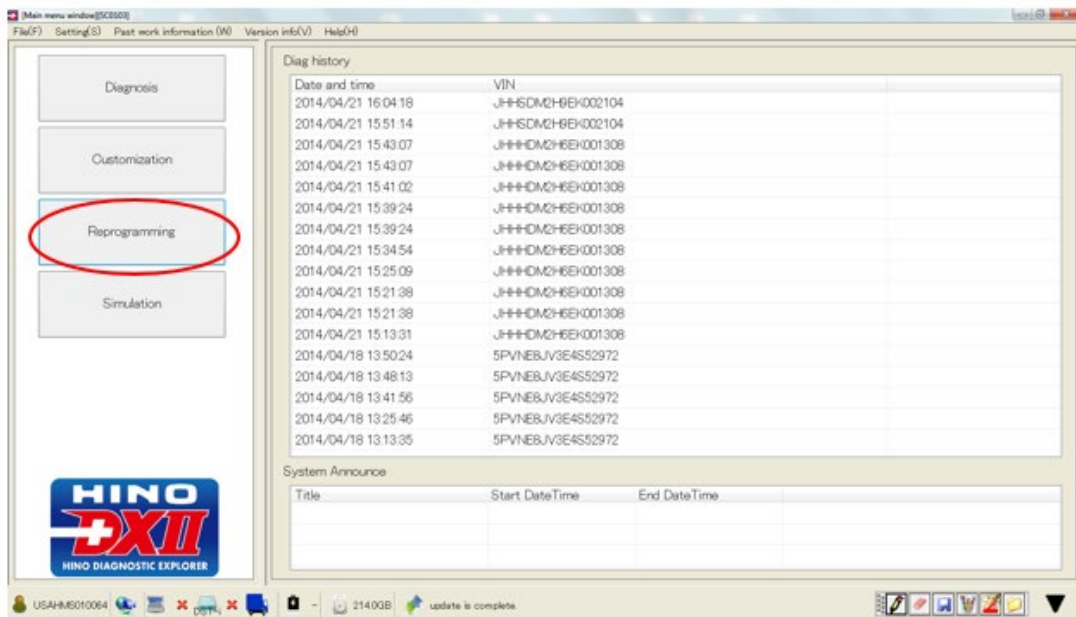


5. Insert the ignition key into the starter switch and turn the key to the “ON” position.

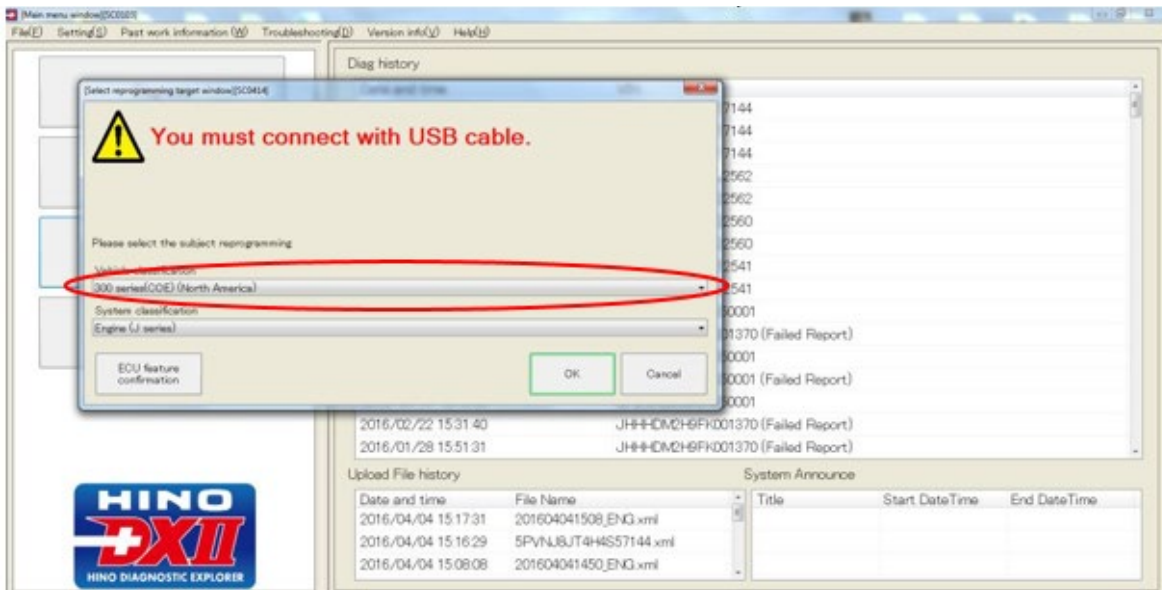




## 6. Select the “Reprogramming” icon.



## 7. Select “300 Series” under the “Vehicle Classification” drop down menu.



8. Select “DCU (Doser)” under the “System Classification” drop down menu and then select the “OK” icon.

9. Follow the prompts to update the DCU to the latest software level using the Hino Diagnostic eXplorer II (Hino DX2). Refer to the following table for the appropriate software part number for the application.

## DCU Software

PART NUMBER	DESCRIPTION	QUANTITY
89550-37245	18MY	As Required By VIN
89550-37245	19MY	

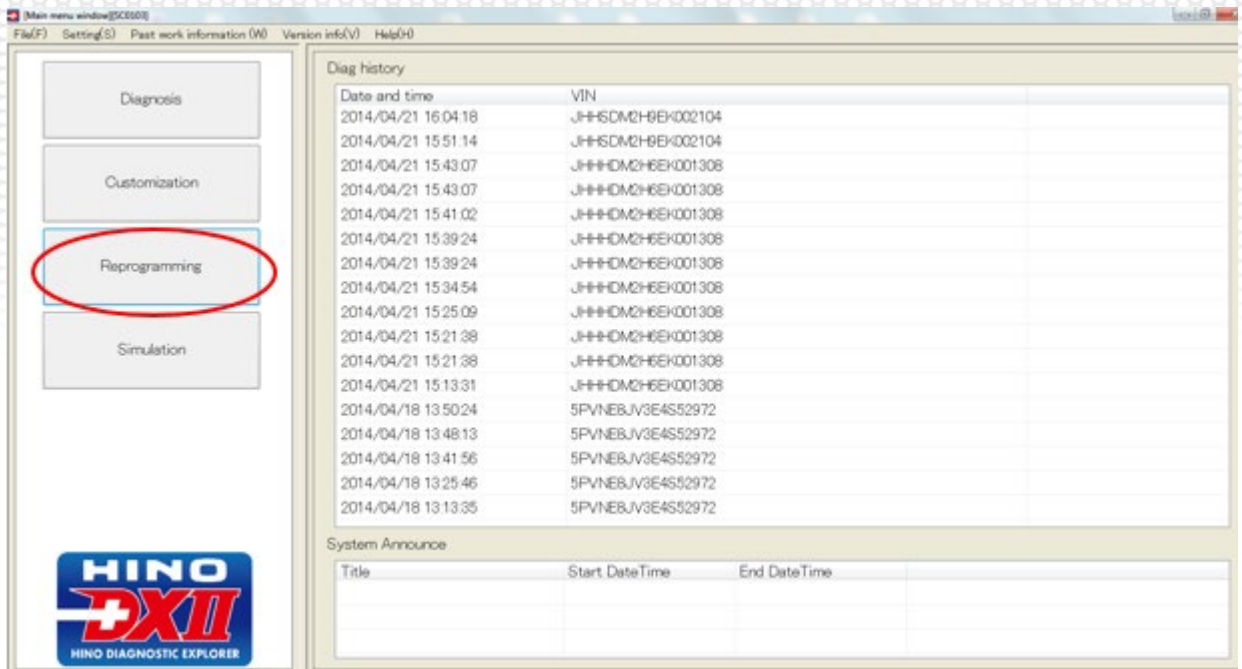
10. Once DCU reprogramming is complete, turn the starter switch to the “LOCK” position and remove the key for one minute.



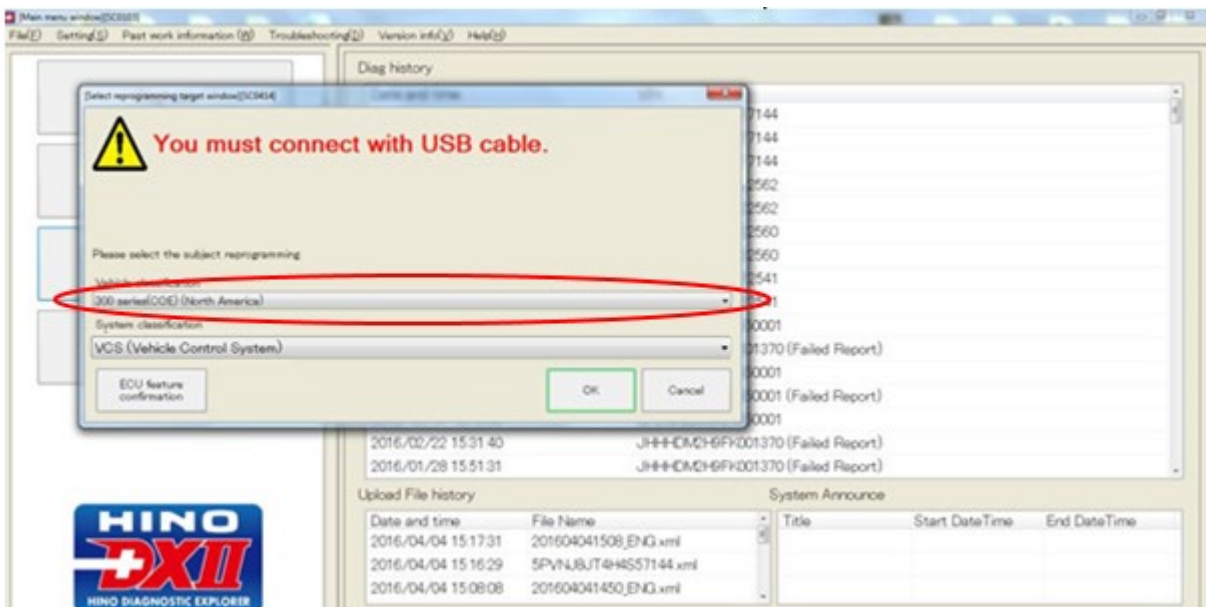
11. After waiting at least one minute, insert the ignition key into the starter switch and turn the key to the “ON” position.



12. Again, select the “Reprogramming” icon.



13. Select “300 Series” under the “Vehicle Classification” drop down menu.





**14.** Select “ECU (Engine J-Series)” under the “System Classification” drop down menu and then select the “OK” icon.

**15.** Follow the prompts to update the ECU to the latest software level using the Hino Diagnostic eXplorer II (Hino DX2). Refer to the following table for the appropriate software part number for the application.

## ECU Software

PART NUMBER	MODEL YEAR	ENGINE SERIES	QUANTITY
89663-E4048	2018 Diesel	J05ETP	As Required By VIN or Higher
89663-E4058	2018 Hybrid	J05EUG	
89663-E4645	2019 Diesel	J05ETP	
89663-E4655	2019 Hybrid	J05EUG	

**16.** Once ECU reprogramming is complete, turn the starter switch to the “LOCK” position and remove the key for one minute.

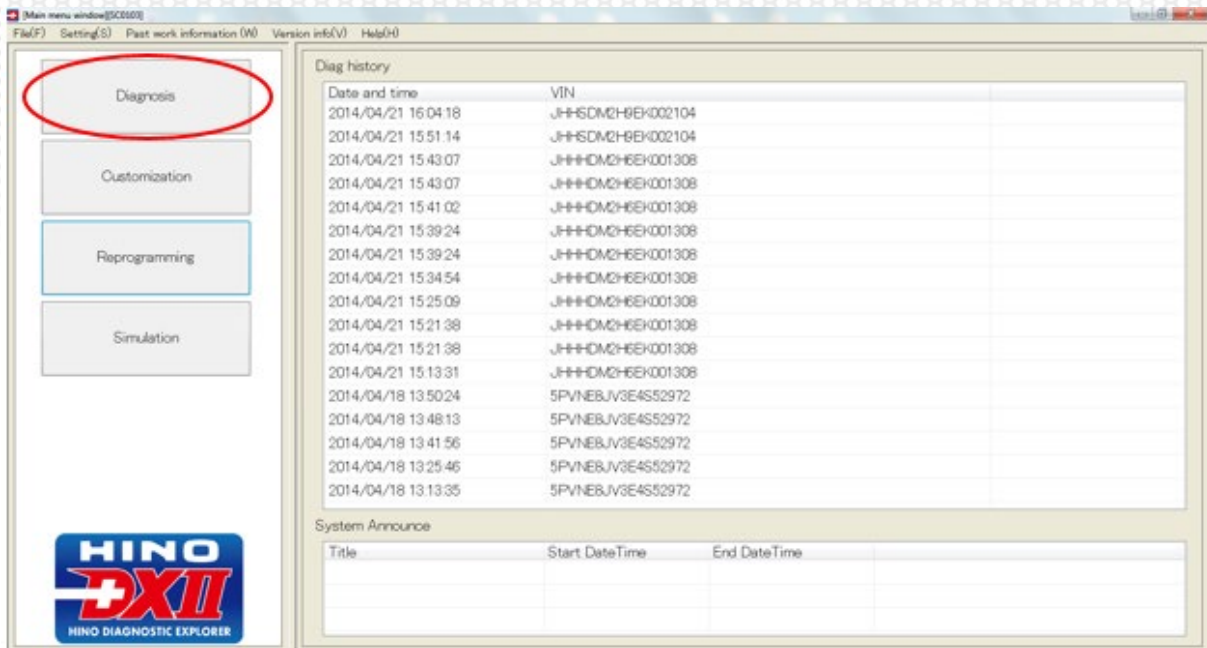


**17.** After waiting at least one minute, insert the ignition key into the starter switch and turn the key to the “ON” position.

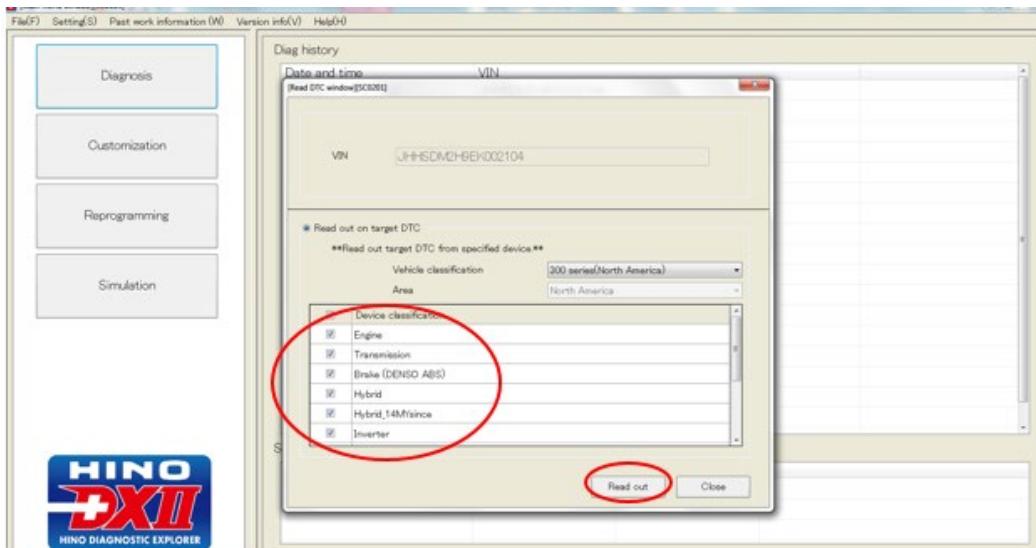




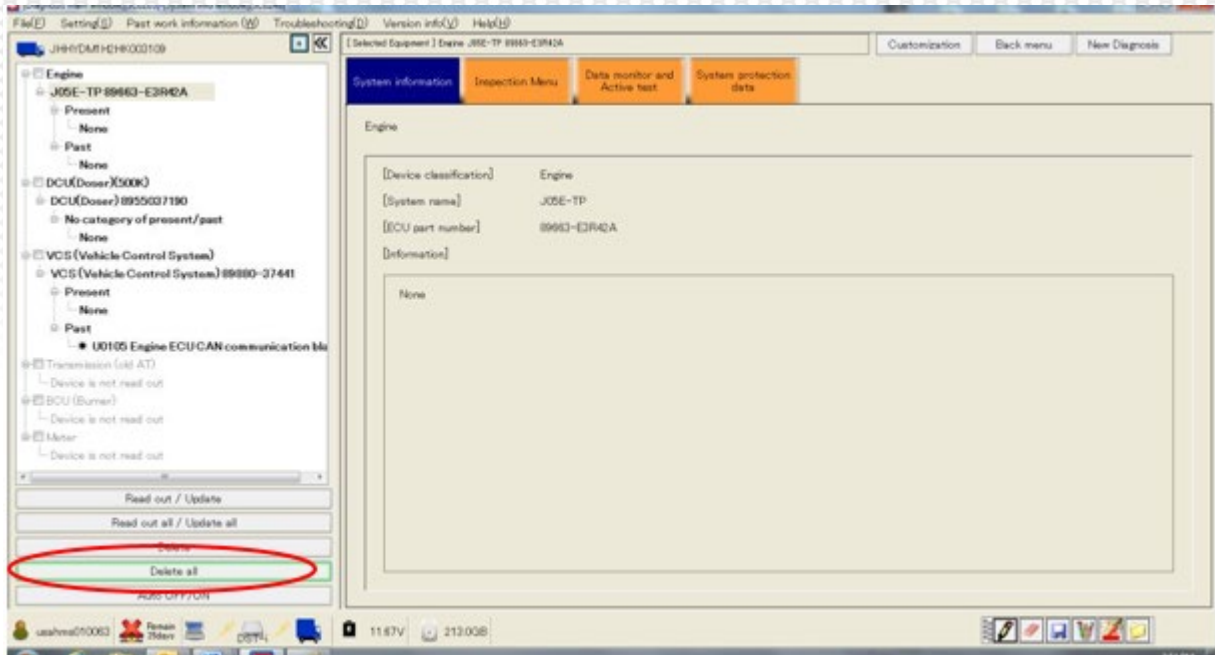
**18.** During ECU software reprogramming, other DTC's may have been set. These DTC's will need to be cleared, in the manner indicated in steps 19-22, prior to completing this emission recall. Select the "Diagnosis" icon.



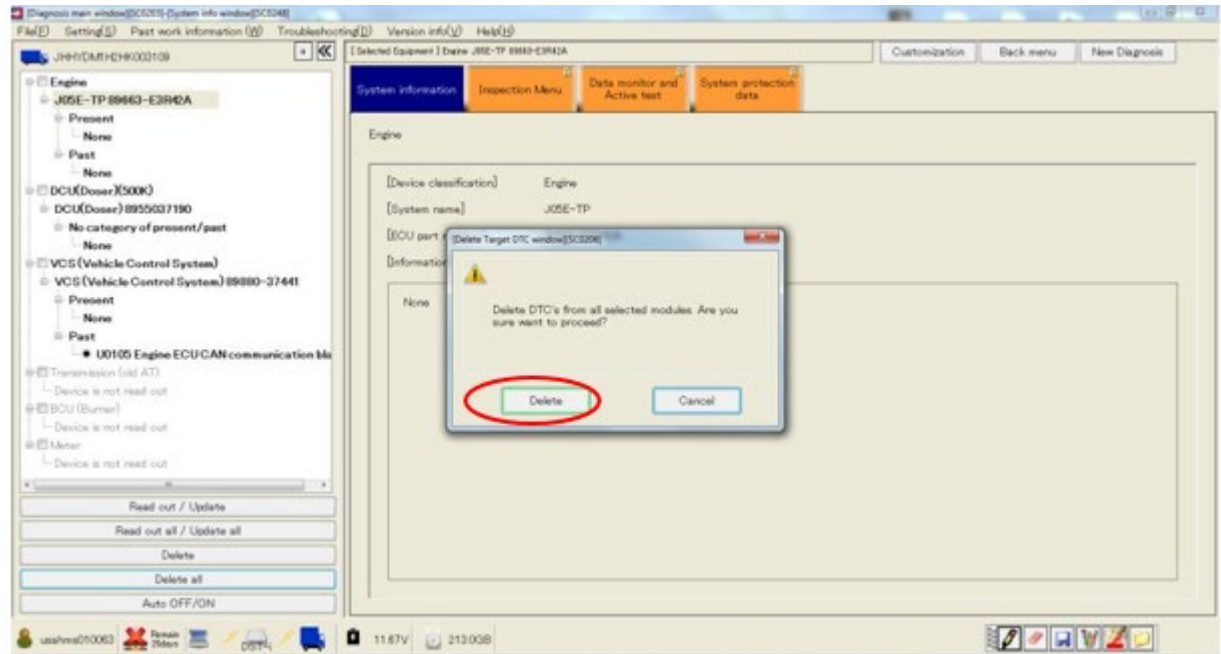
**19.** Check mark the "Device Classification". This should automatically check mark the remaining devices. Select the "Read Out" icon.



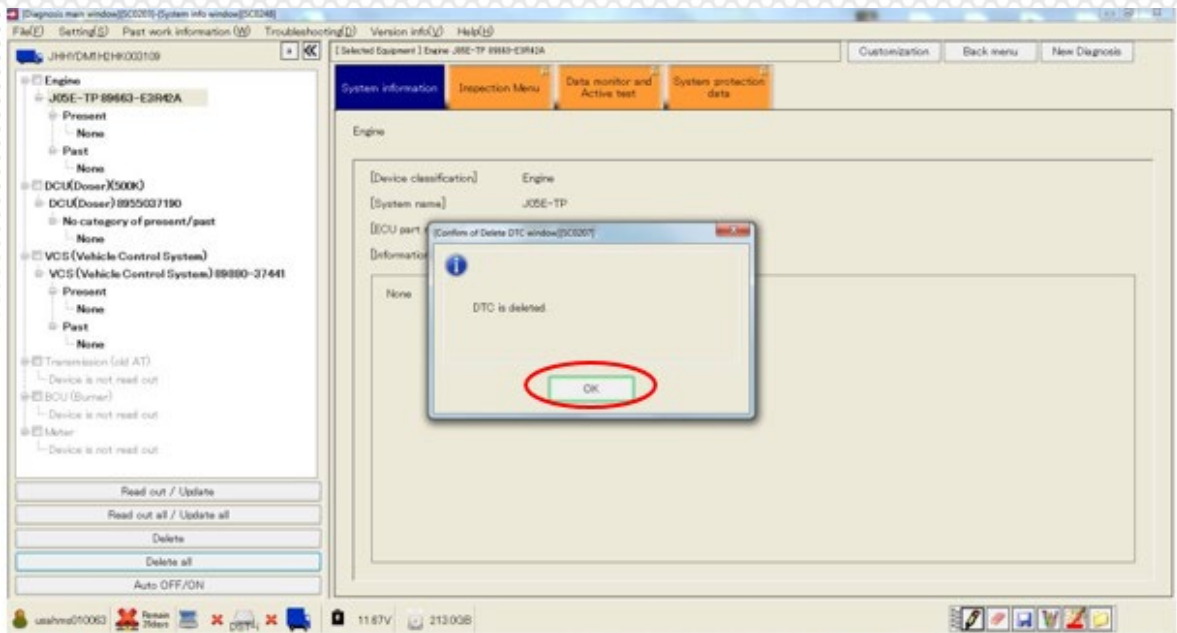
## 20. Select the “Delete All” icon.



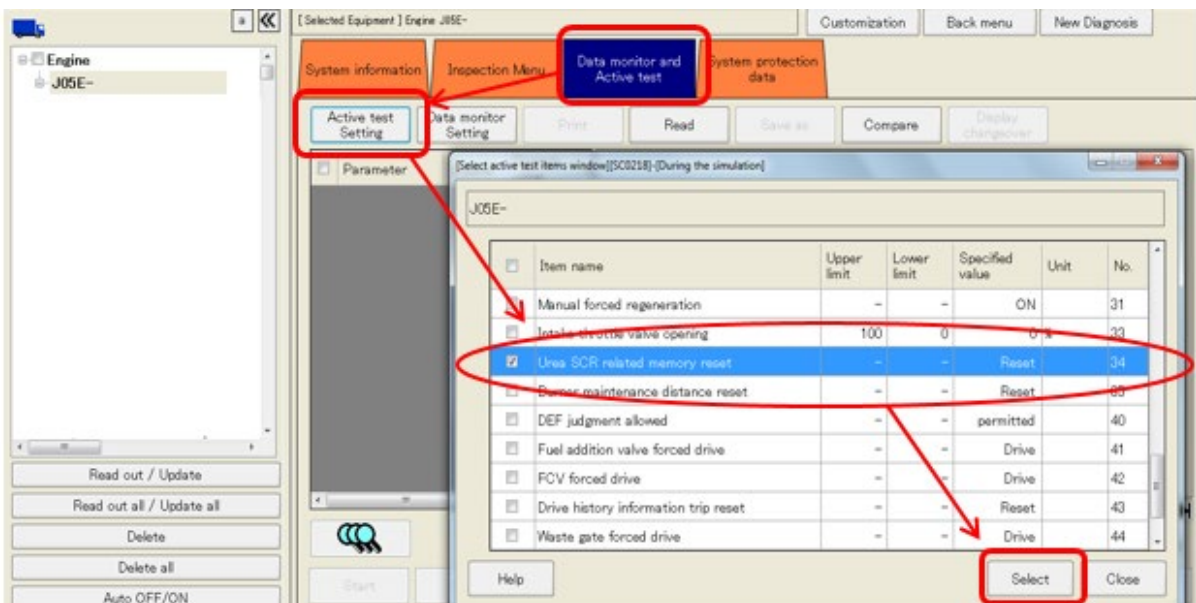
## 21. Select the “Delete” icon.



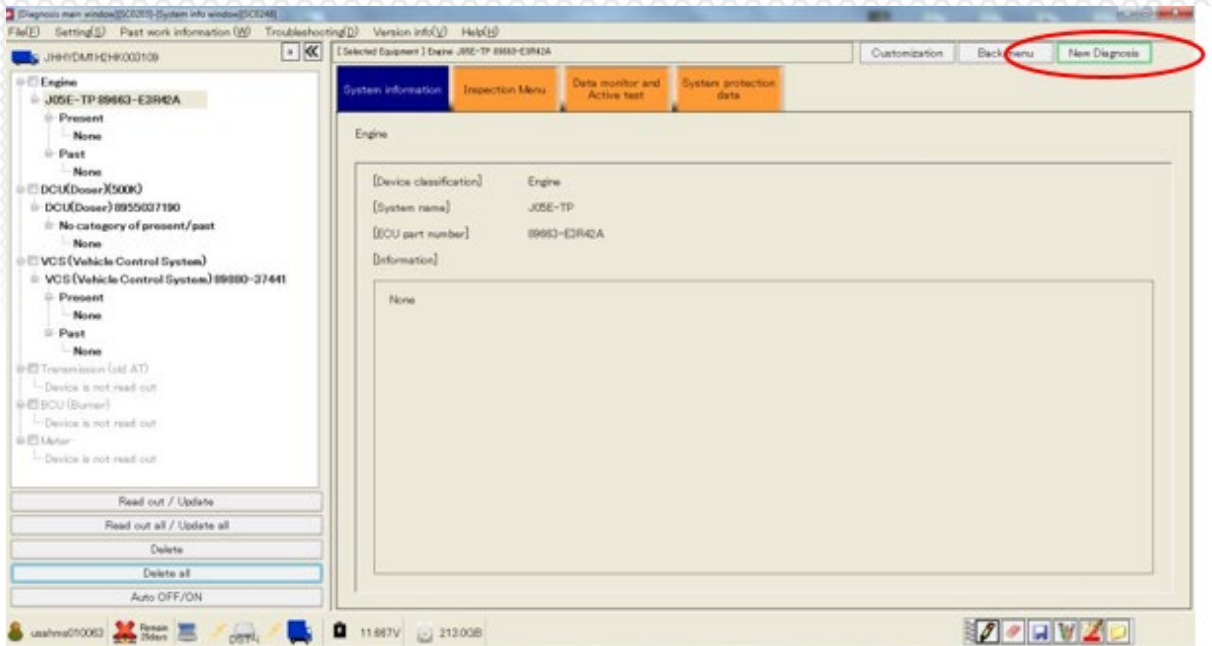
## 22. Select the “OK” icon.



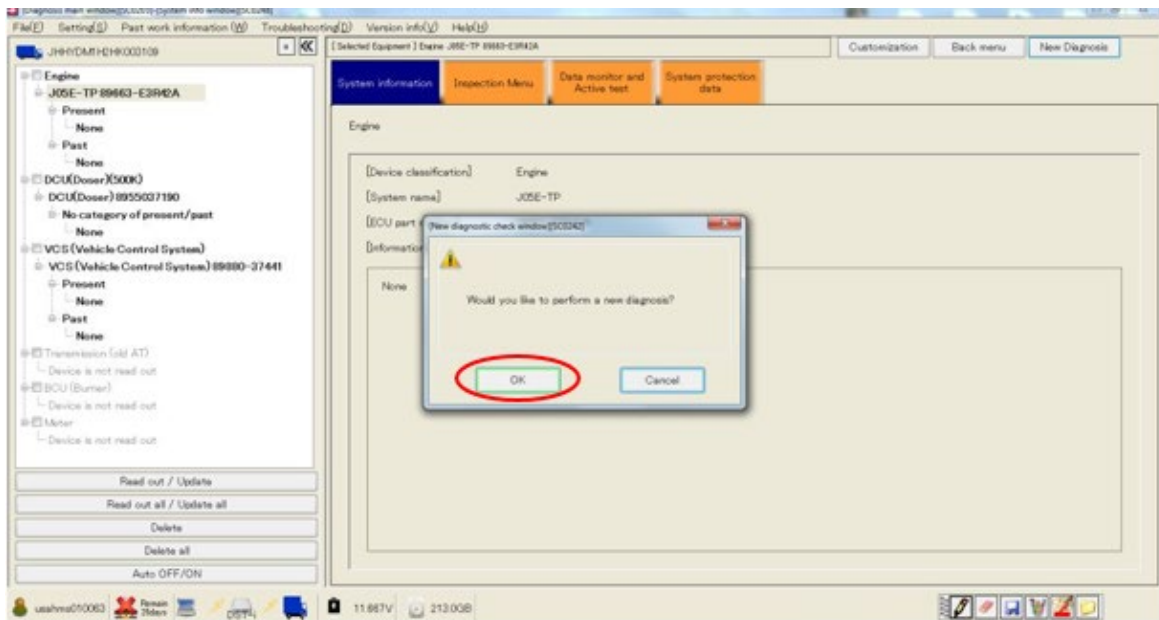
## 23. From the Engine ECU Data Monitor and Active Test menu, select Active Test Setting>Urea SCR Related Memory Reset> then follow the prompts to complete the reset.



## 24. Select the “New Diagnosis” icon.



## 25. Select the “OK” icon.





26. Turn the starter switch to the “LOCK” position and remove the key.



## REPAIR LABEL INSTALLATION PROCEDURE

Once all above steps in this recall procedure have been completed, apply a recall label to the left door jamb above the VIN label. Fill in the Campaign No, Dealer code, and Repair date. Proceed to the Final Inspection Procedure, below.

