

Power Supply Information Reset after Battery Replacement

Tested Model: VOLVO XC40 2023

Function Description:

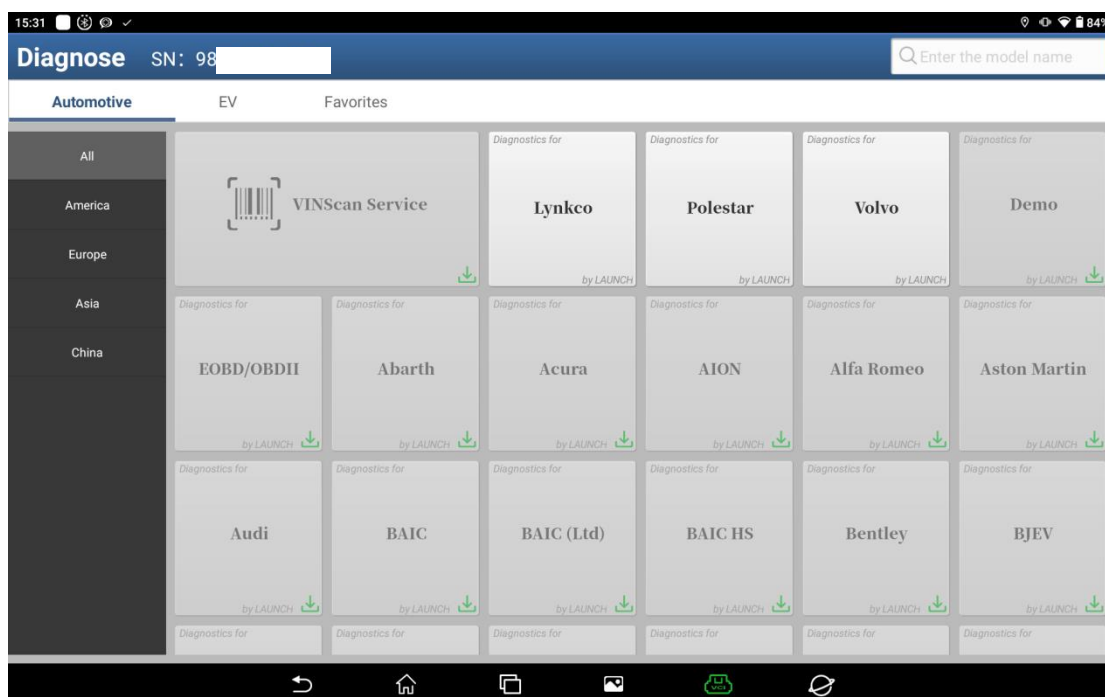
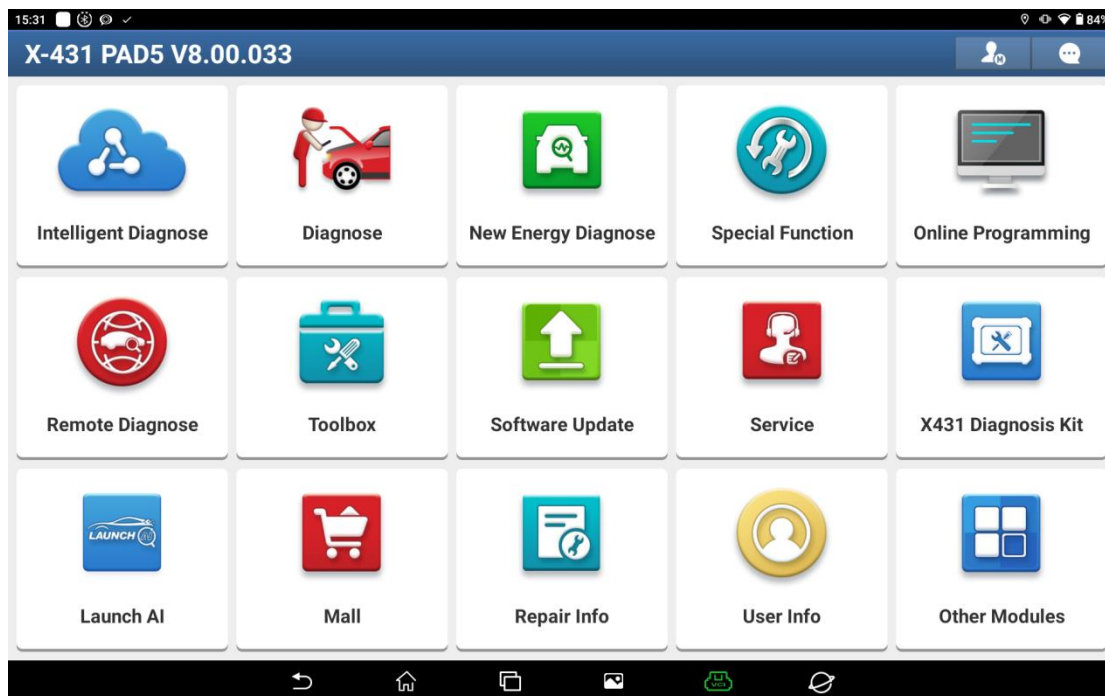
1. Information about the vehicle power supply, such as standby current and battery information, is stored in the CEM (Central Electronic Module) and BMS (Battery Management System). This function resets the stored power supply information.
2. For the BMS to calculate the correct battery level, the vehicle must be in sleep mode for at least 4 hours after the reset. In some cases, 6 hours of sleep mode may be required. This is done with the ignition key removed, doors and hood closed, and the vehicle locked. If the battery level is still low, the regenerative braking function and start/stop function will not operate. The battery needs to be charged. Note! If a new battery is installed and no battery malfunction or warning occurs after the reset, the vehicle can be returned to the customer.

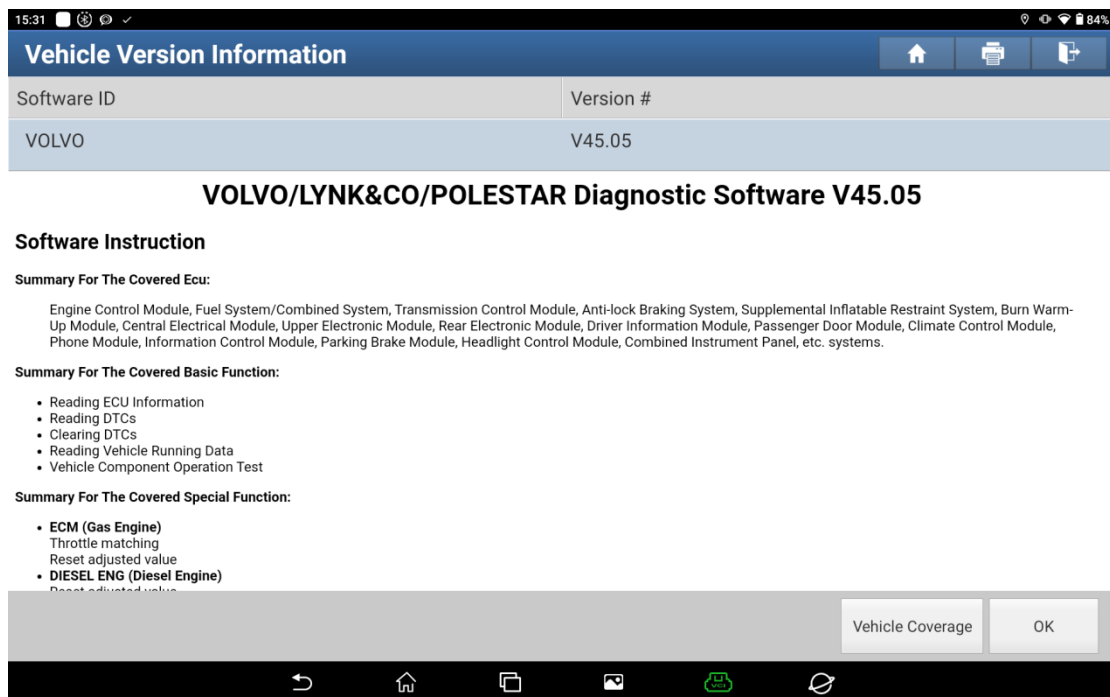
Execution Conditions:

- The reset function can only be performed after the (main) battery has been replaced.
- The usage mode will change to active status.

Procedure:

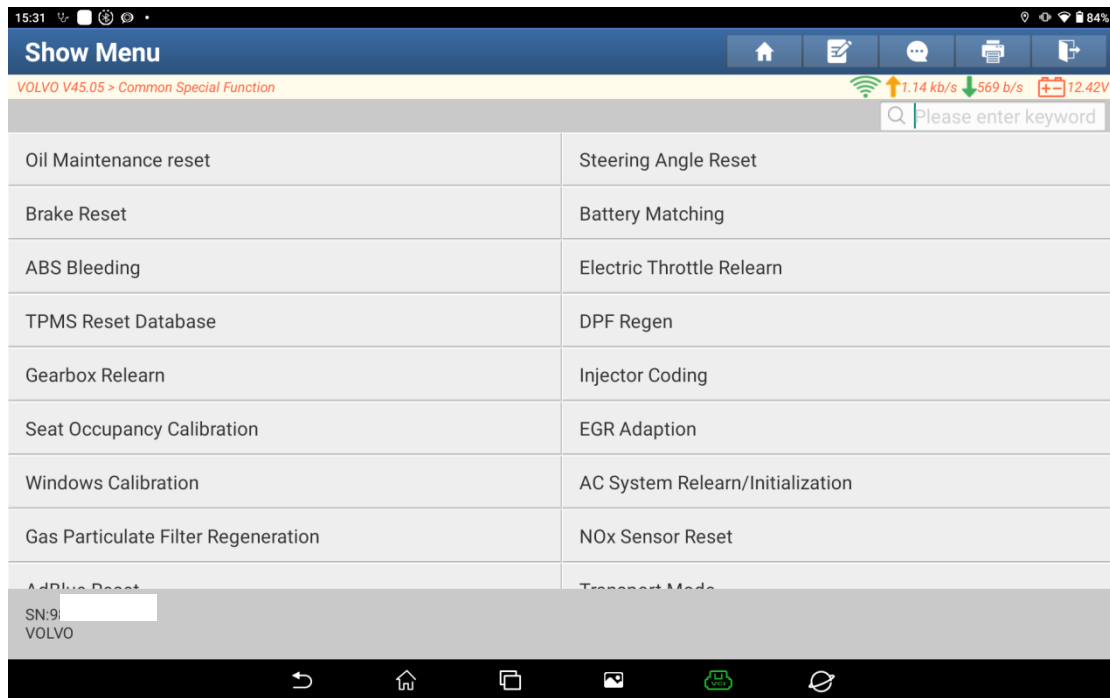
1. On a PAD 5, choose [Diagnose], and then choose [Volvo] for testing.



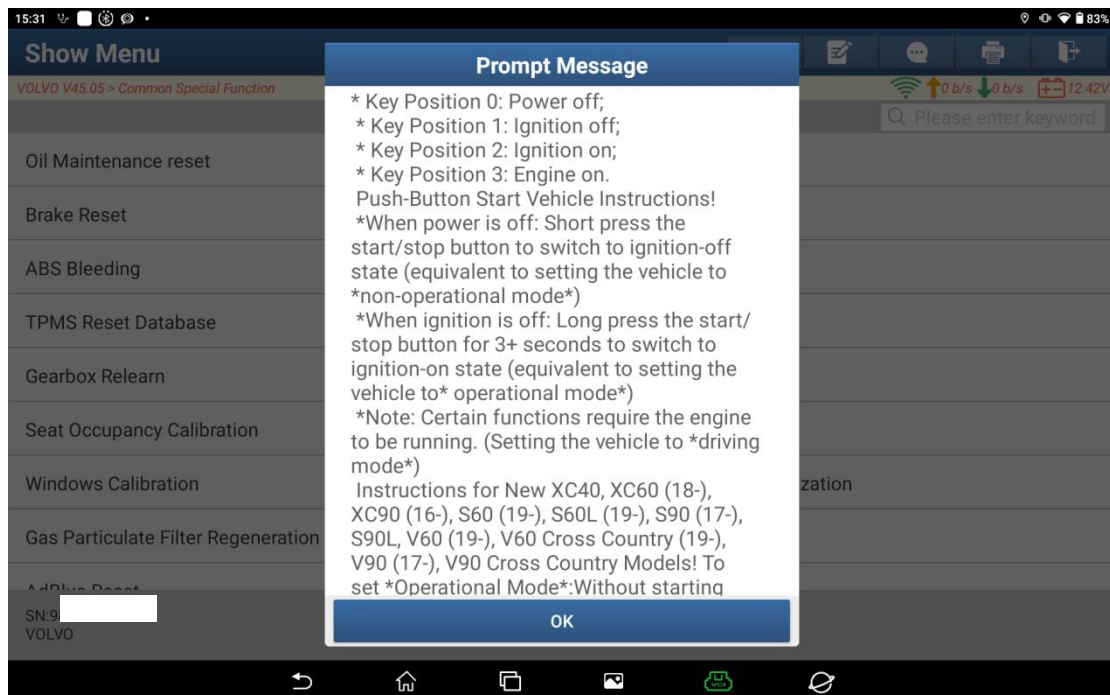


2. Choose [Common Special Function] to enter the common special function menu, and then choose [Battery Matching] to enter the special function menu related to battery replacement.

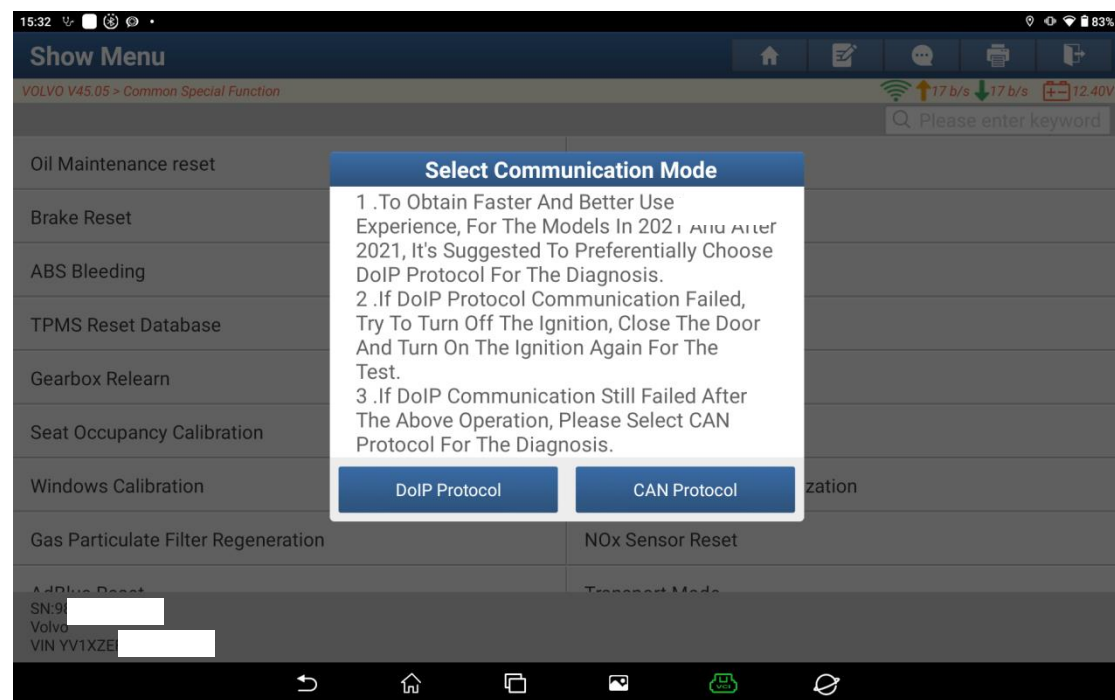




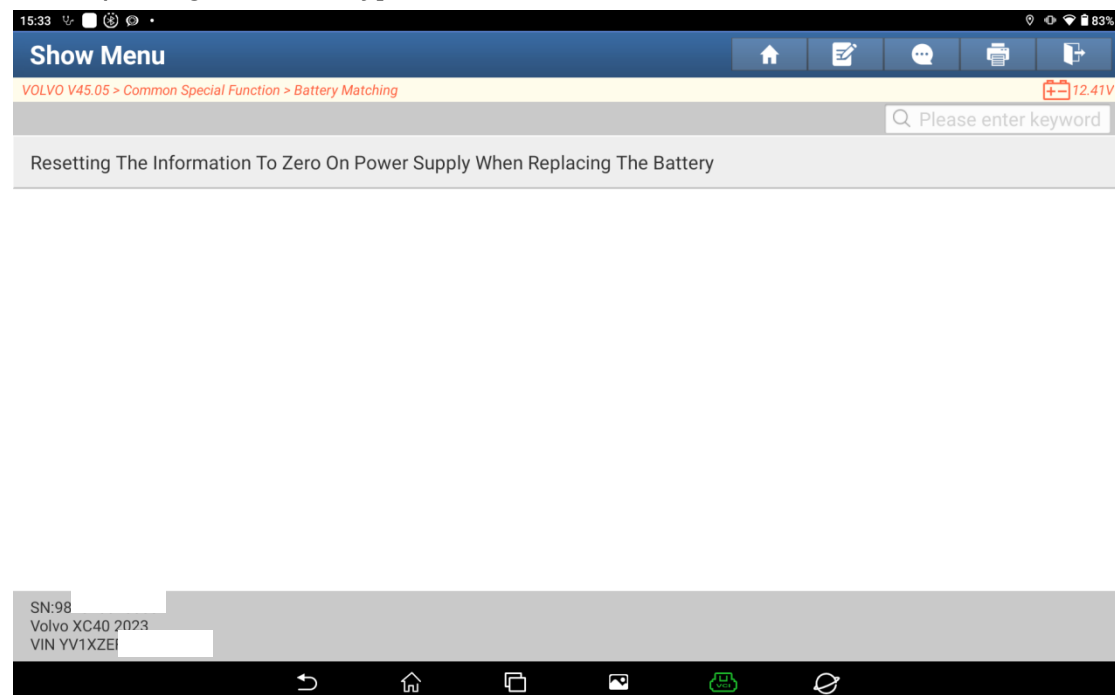
3. Carefully read the prompts, turn on the ignition switch as instructed, and click "OK".



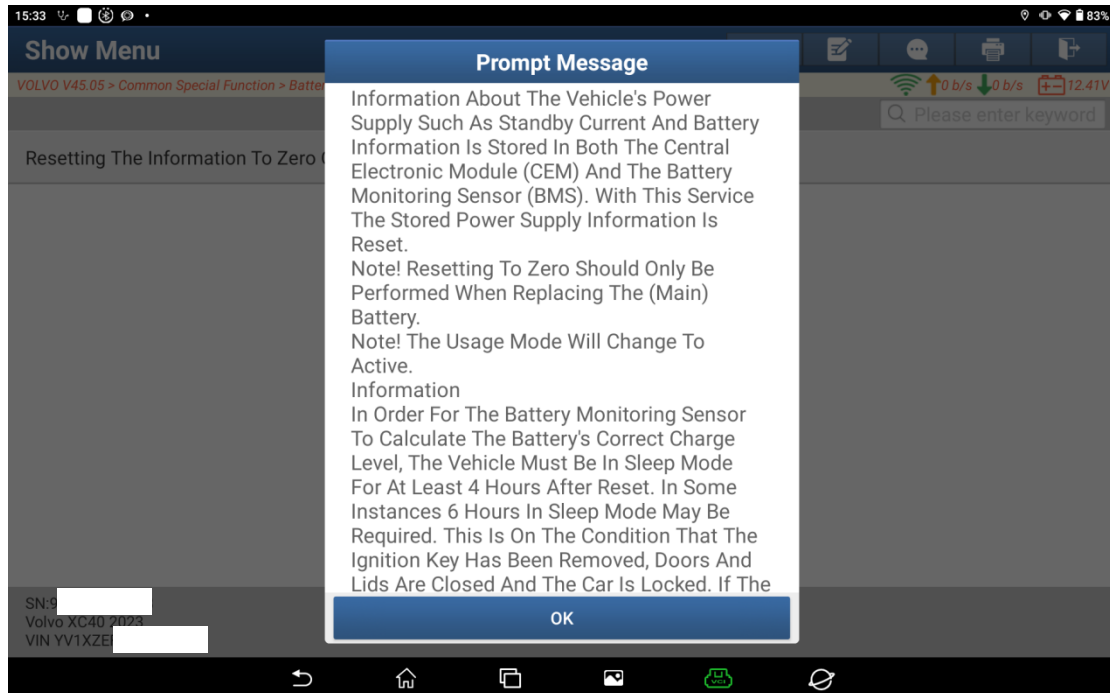
4. Choose the DOIP or CAN communication method.



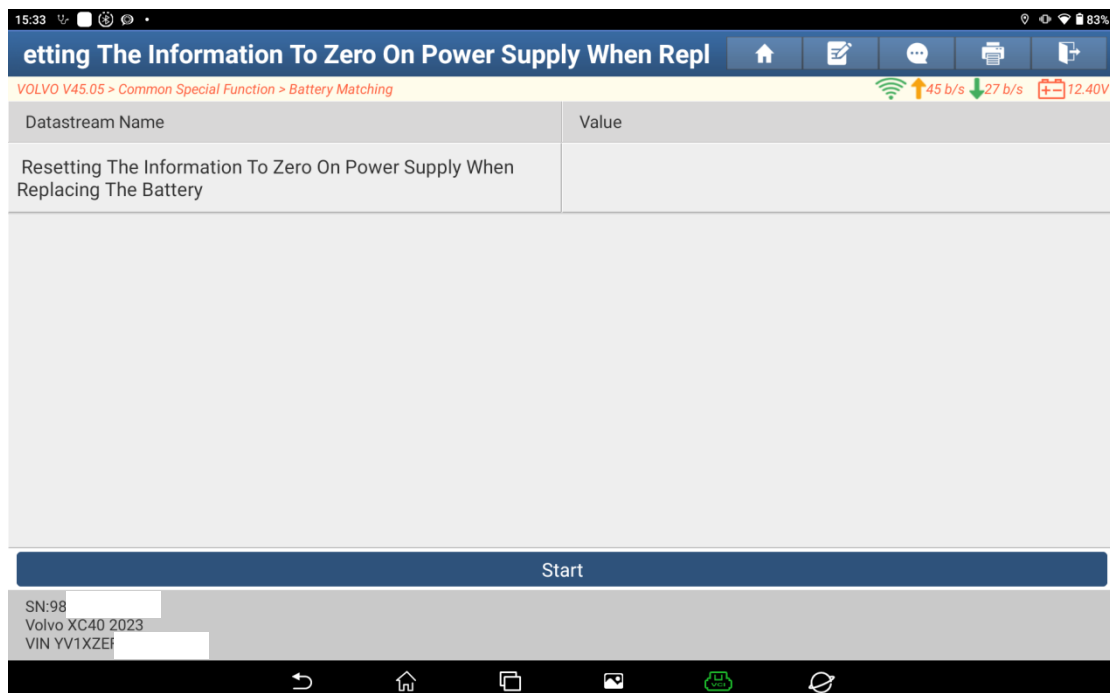
5. Choose [Resetting The Information To Zero On Power Supply When Replacing The Battery].

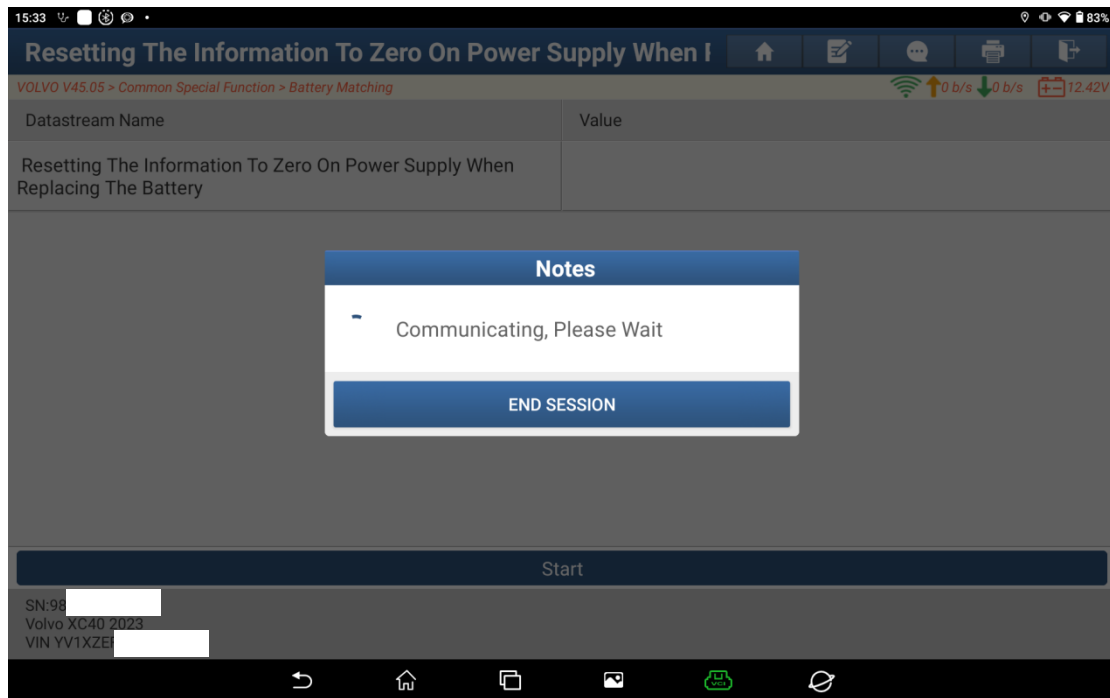


6. Review the prompts, confirm that the prerequisites are met, and then click “OK”.

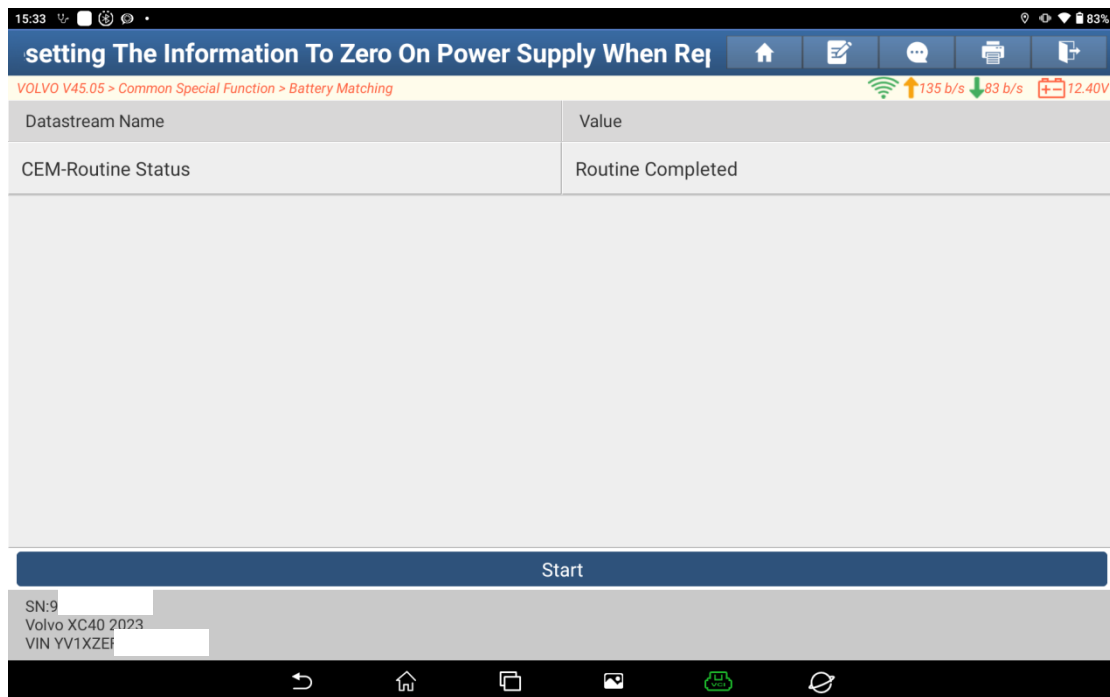


7. Enter the special function execution interface, click “Start” to execute the function, and wait for completion.





8. After completion, the data stream item [CEM-Routine Status] will display the execution result.



Statement:

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