Honda 2021 JAZZ Crankshaft (CKP) Sensor Matching Value Learning

Tested Model: HONDA JAZZ HYBRID 2021

Function Description:

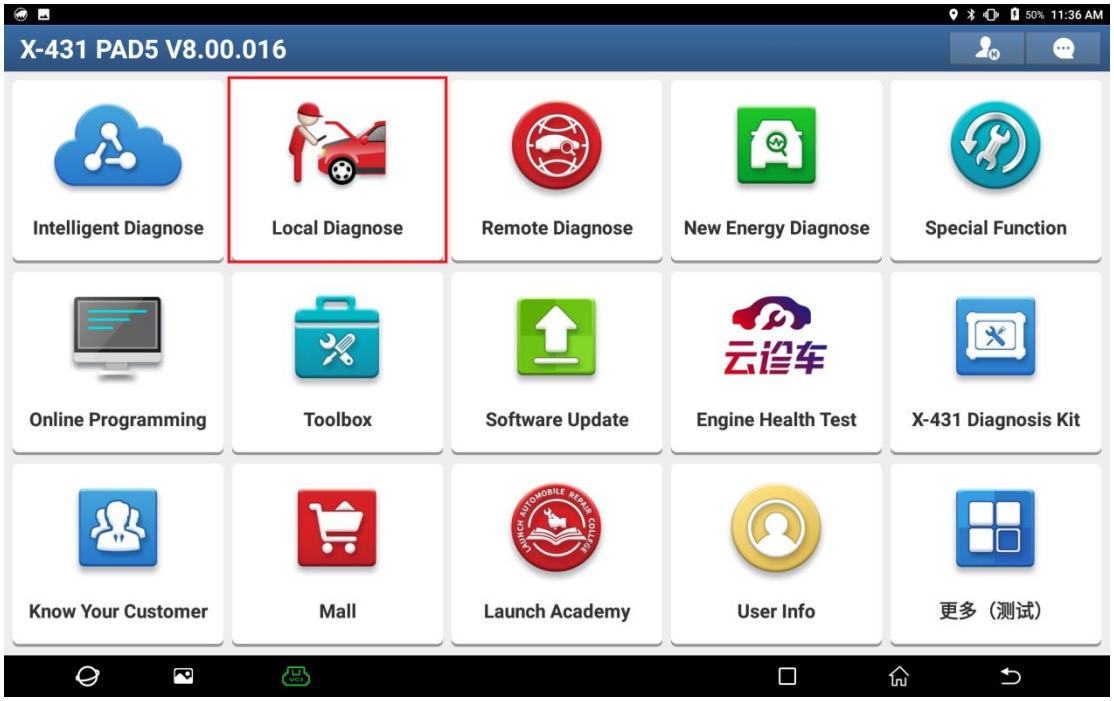
For Honda models, after repairing the misfire or replacing the CKP sensor, you need to perform this function to write the new crankshaft (CKP) sensor matching value to the ECM/PCM.

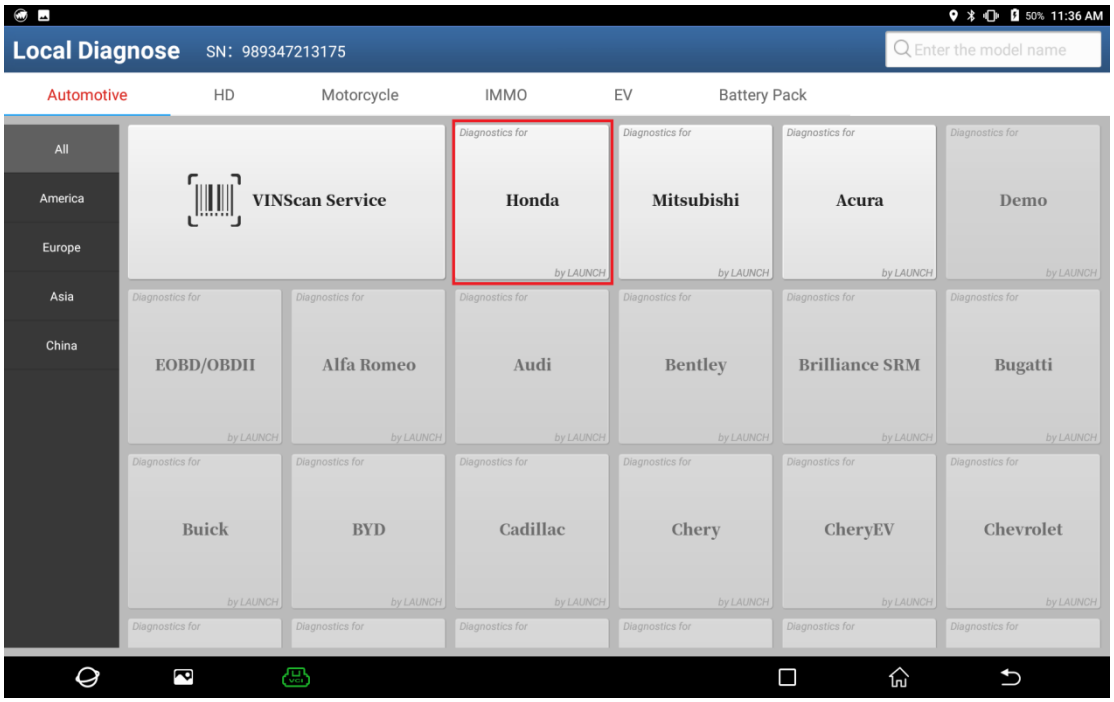
Execution Conditions:

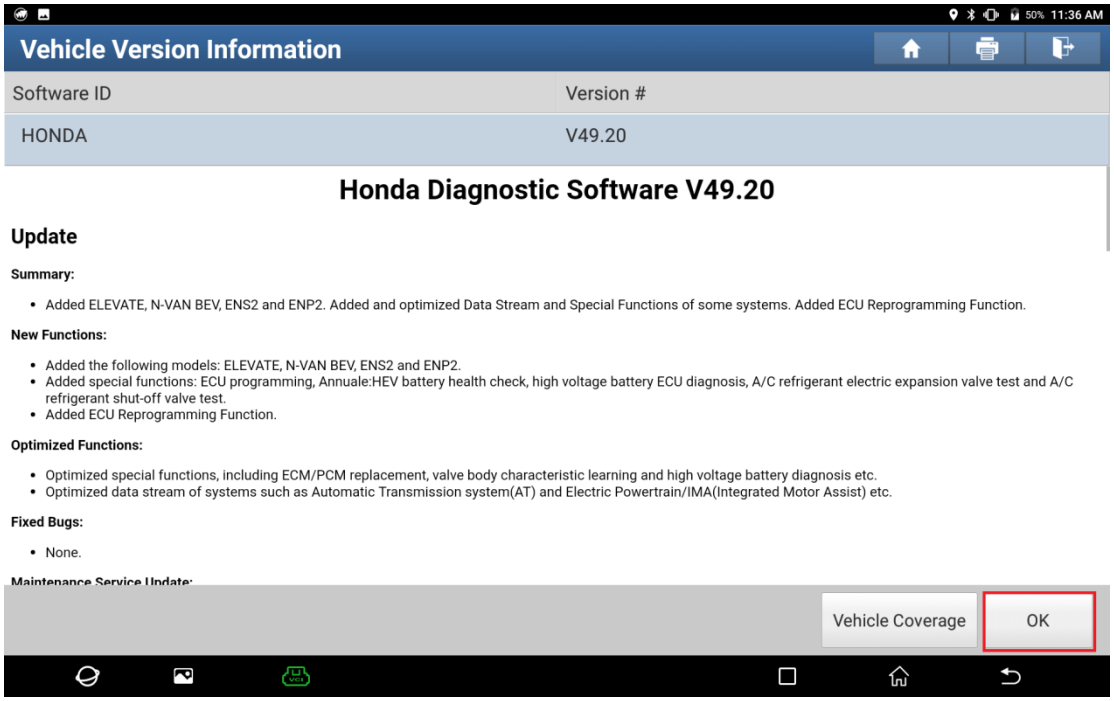
- Connector connected and ignition switch ON
- In P gear
- Engine coolant temperature: over 75 [℃] (HEV system engine coolant temperature: over 80 [℃])
- ATF temperature: over 45 [℃]
- Before starting the engine, the hybrid vehicle must be switched to the maintenance mode.

Procedure:

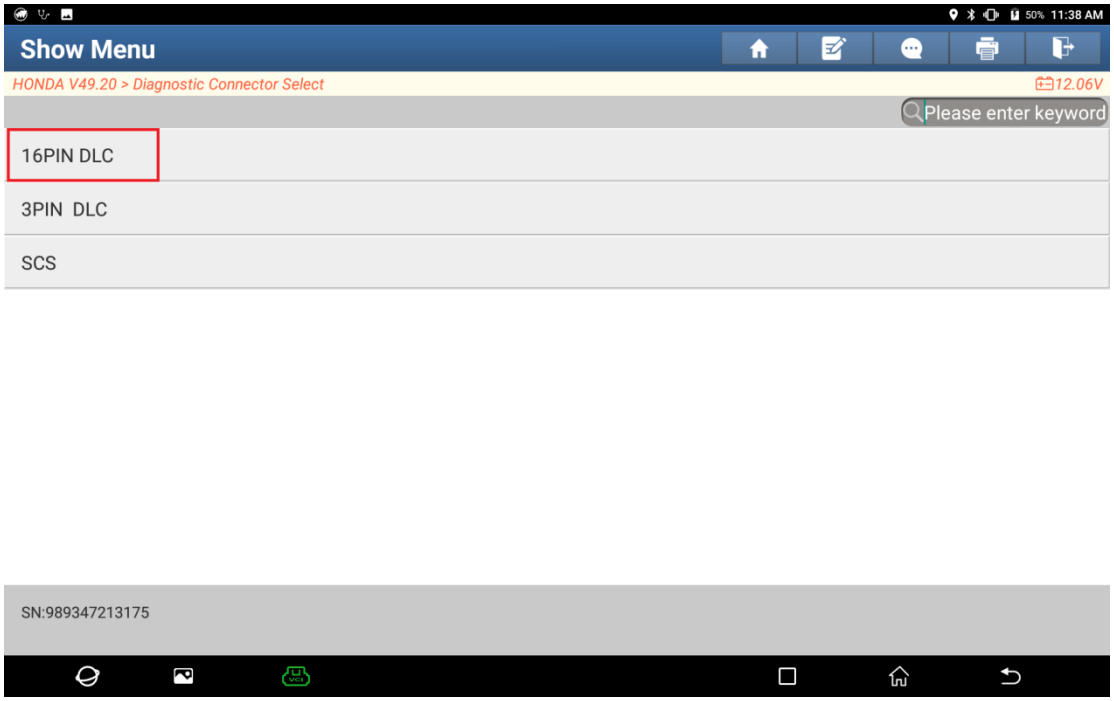
1. On a PAD 5, choose [Local Diagnose], and then choose [Honda] for testing.

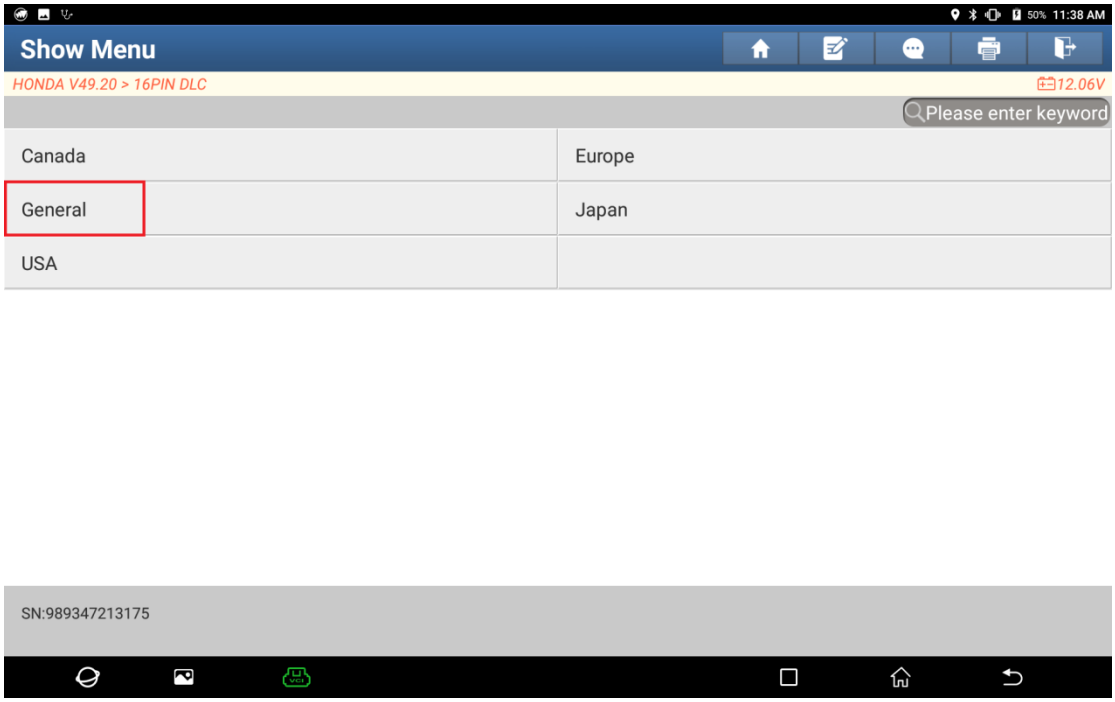

50% 11:36 AM
X-431 PAD5 V8.00.016
Intelligent Diagnose
Local Diagnose
Remote Diagnose
New Energy Diagnose
Special Function
Online Programming
Toolbox
Software Update
云诊车
Engine Health Test
X-431 Diagnosis Kit
Know Your Customer
Mall
Launch Academy
User Info
更多（测试）


50% 11:36 AM
Local Diagnose
SN: 989347213175
Enter the model name
Automotive
HD
Motorcycle
IMMO
EV
Battery Pack
All
America
Europe
Asia
China
VINScan Service
Diagnostics for Honda by LAUNCH
Diagnostics for Mitsubishi by LAUNCH
Diagnostics for Acura by LAUNCH
Diagnostics for Demo by LAUNCH
Diagnostics for EOBD/OBDII by LAUNCH
Diagnostics for Alfa Romeo by LAUNCH
Diagnostics for Audi by LAUNCH
Diagnostics for Bentley by LAUNCH
Diagnostics for Brilliance SRM by LAUNCH
Diagnostics for Bugatti by LAUNCH
Diagnostics for Buick by LAUNCH
Diagnostics for BYD by LAUNCH
Diagnostics for Cadillac by LAUNCH
Diagnostics for Chery by LAUNCH
Diagnostics for CheryEV by LAUNCH
Diagnostics for Chevrolet by LAUNCH

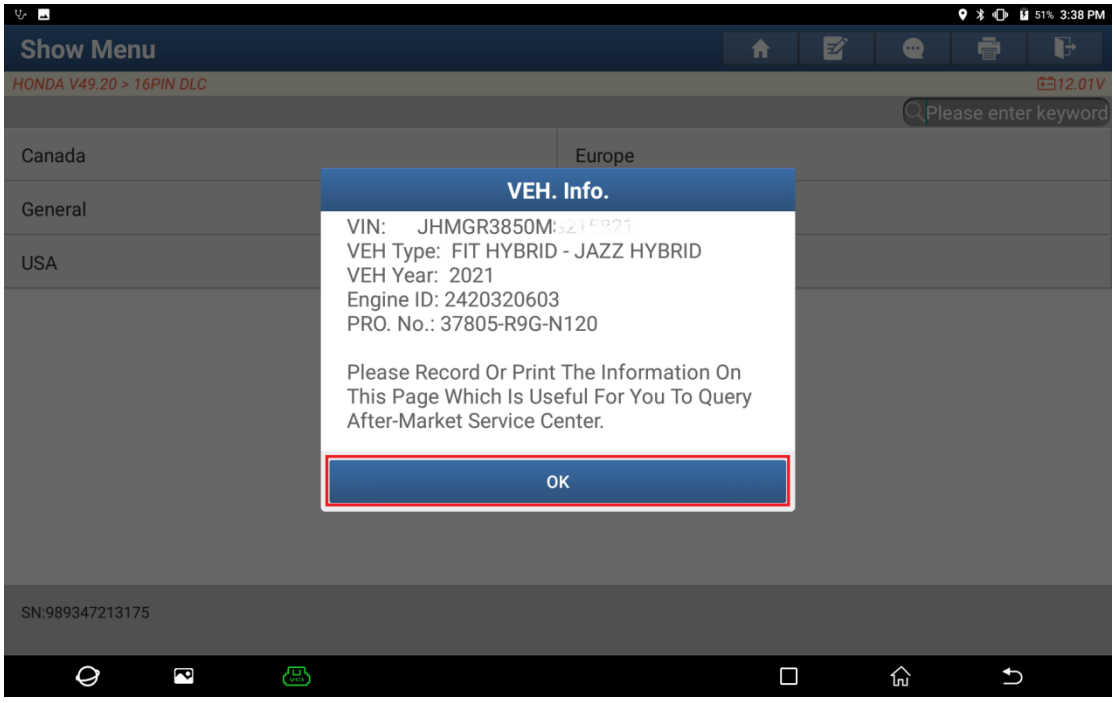


2. Click [16PIN DLC], and then choose the region to automatically identify the car model. For this test, choose the [General] region.

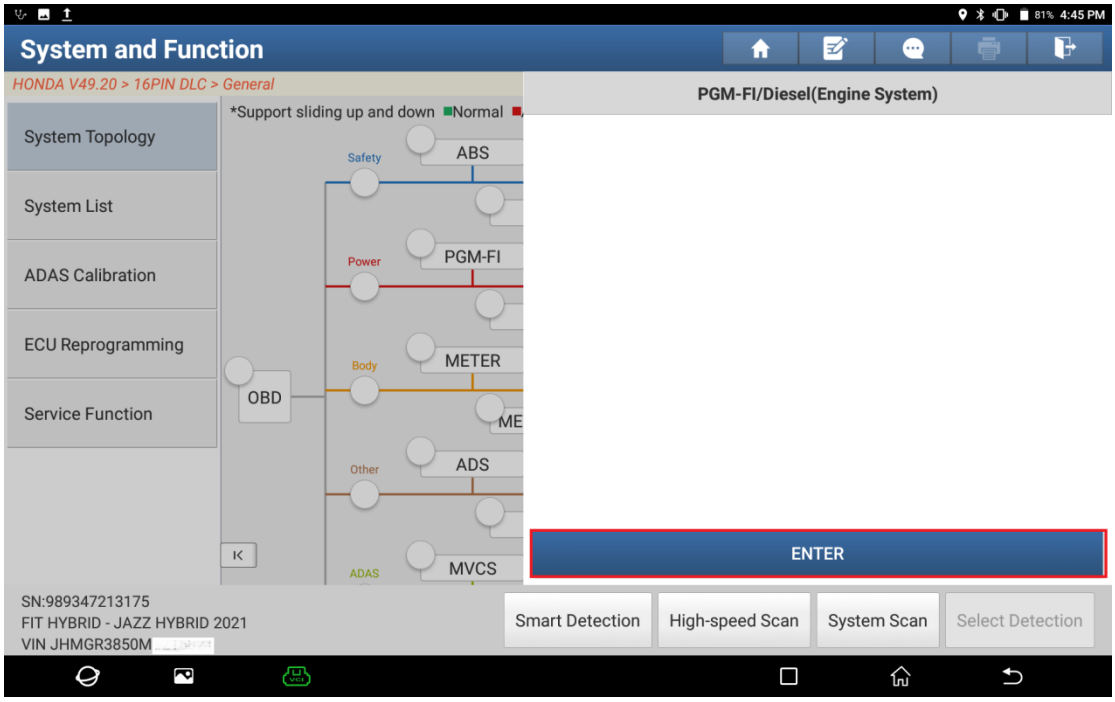




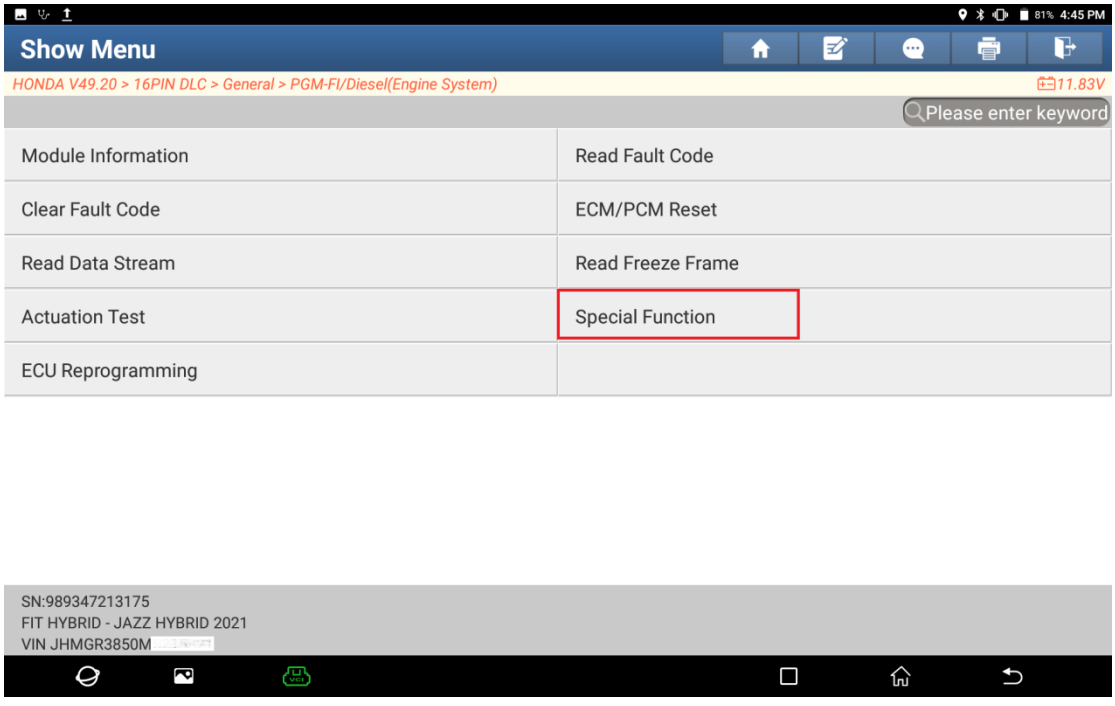
3. Confirm the vehicle information, and then click OK.



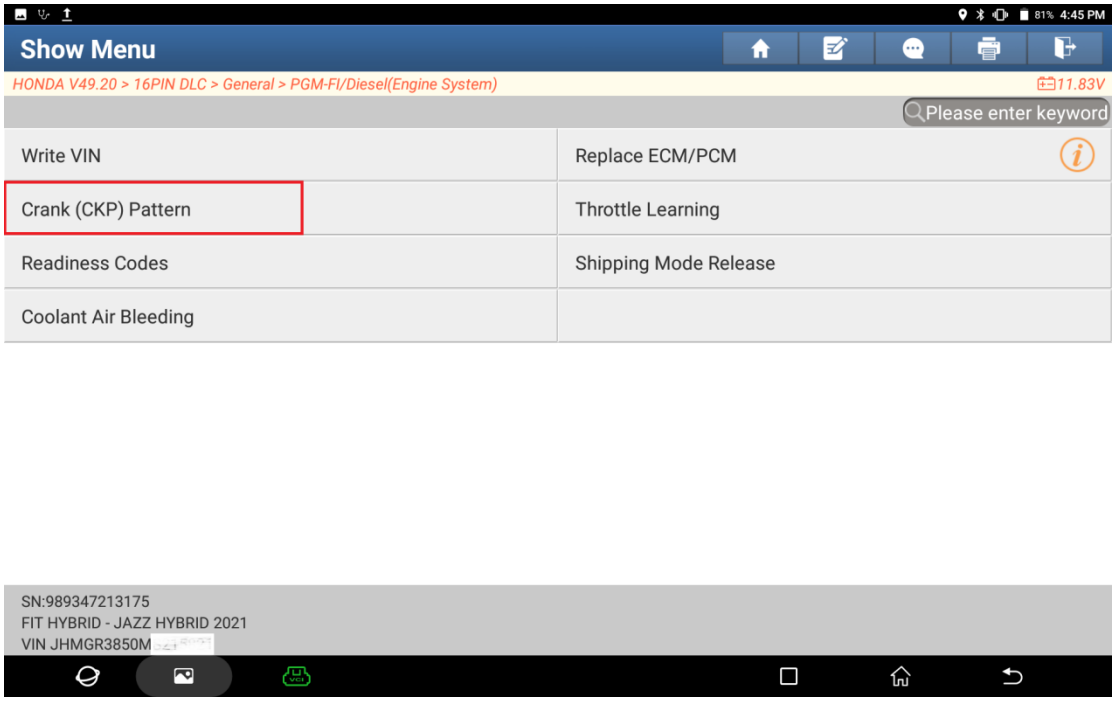
4. Choose the engine system and click [ENTER].



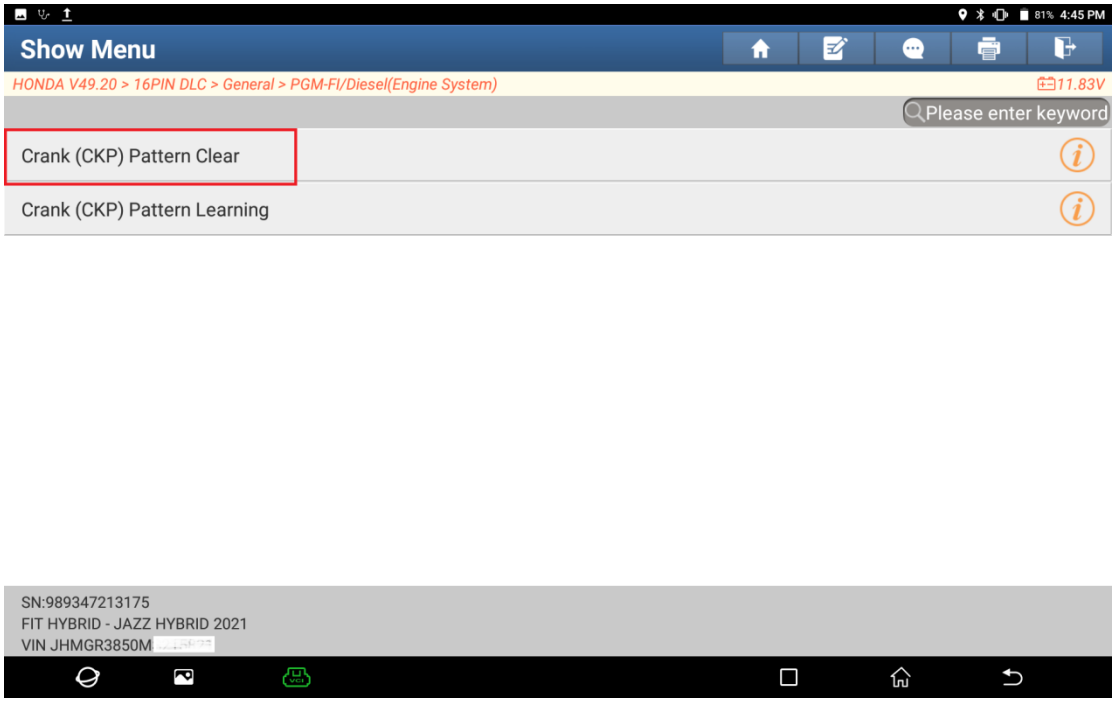
5. Choose [Special Function].



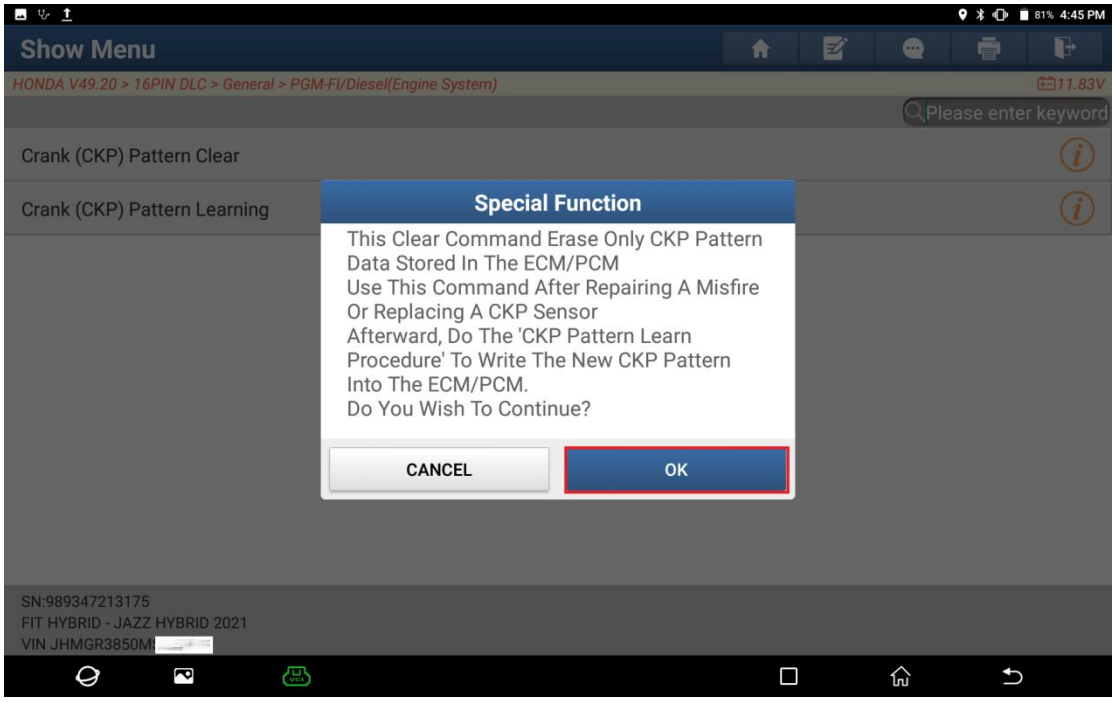
6. Choose [Crank (CKP) Pattern].



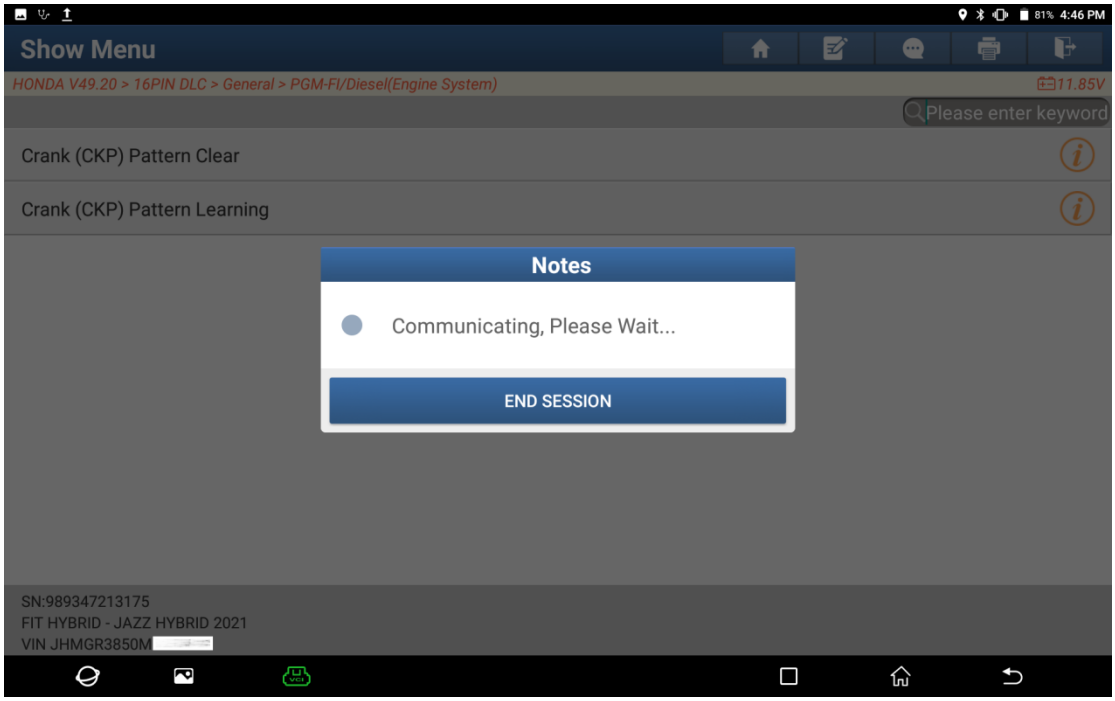
7. Choose [Crank (CKP) Pattern Clear] to clear the crankshaft (CKP) sensor matching value data stored in the ECM/PCM.



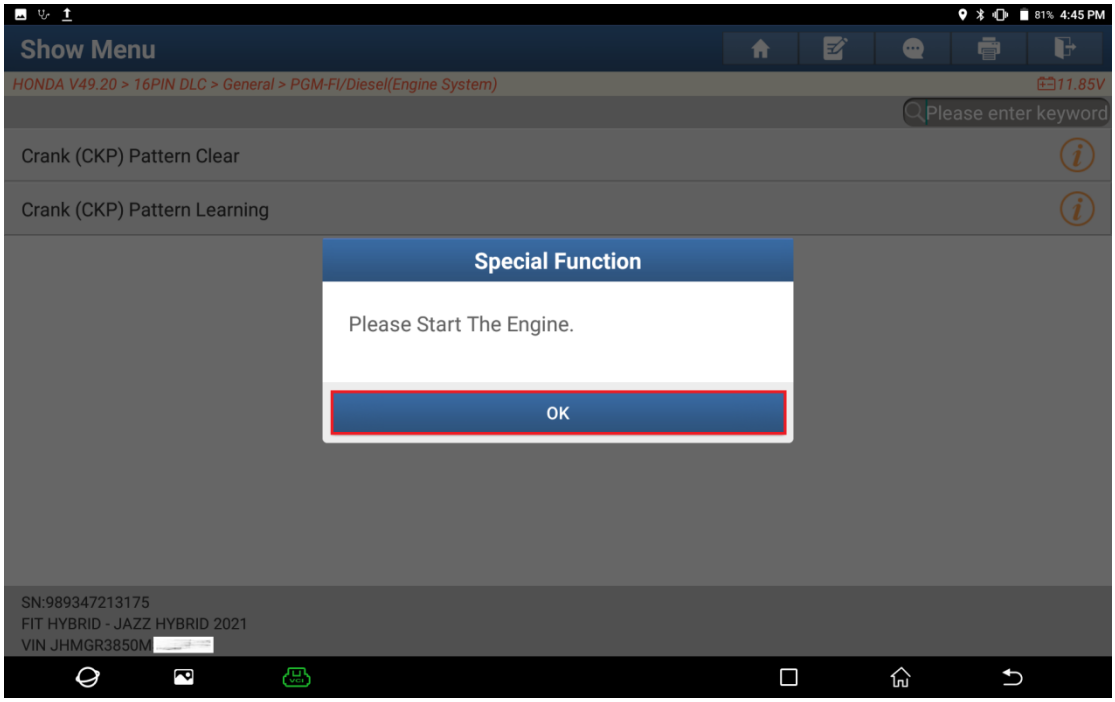
8. View the function description and click OK.



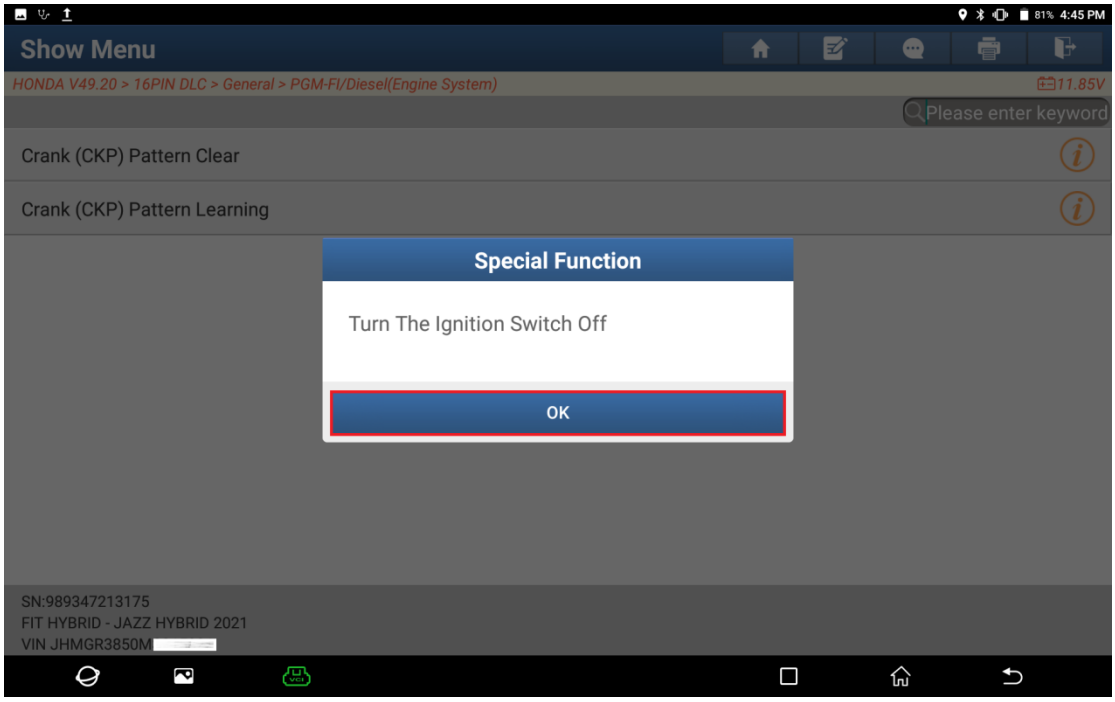
9. Clearing...Please wait.



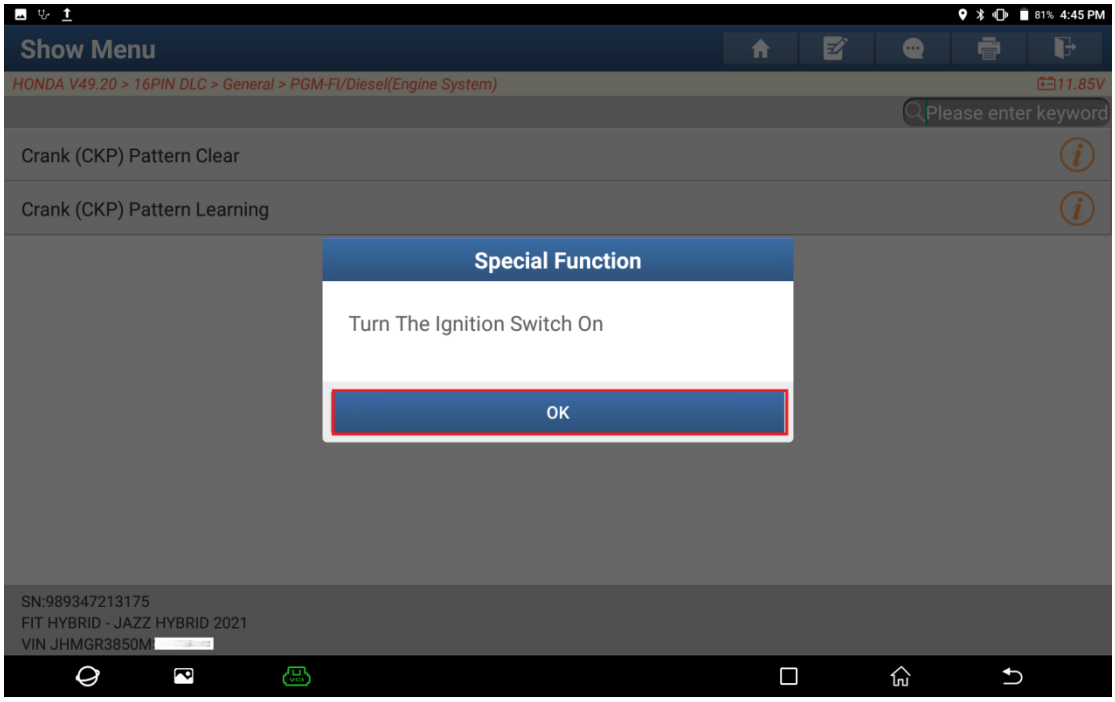
10. Start the engine as prompted and then click OK. Before starting the engine, the hybrid vehicle must be switched to the maintenance mode.



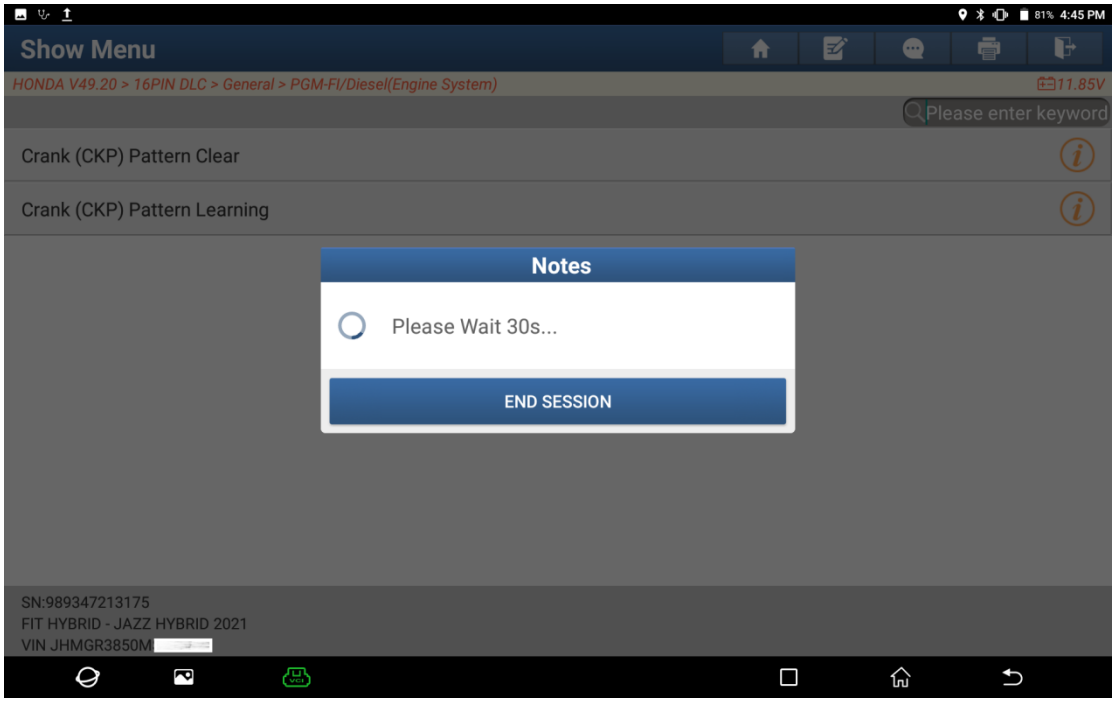
11. Turn off the ignition switch as prompted, and then click OK.



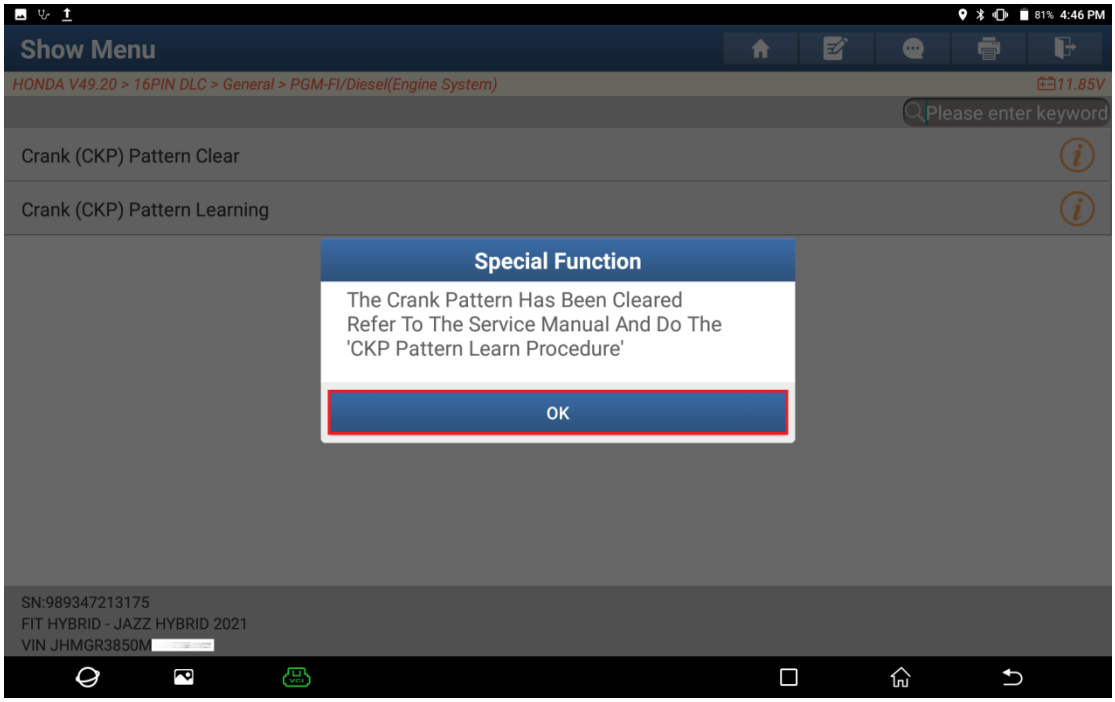
12. Turn on the ignition switch as prompted, and then click OK.



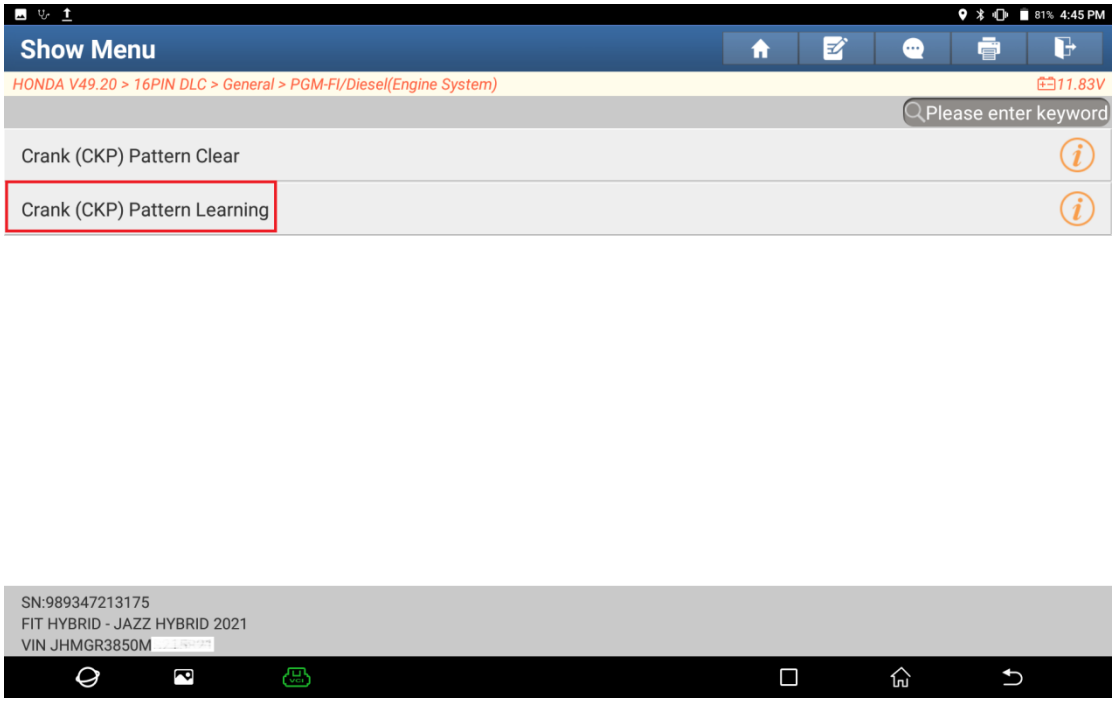
13. Wait for 30s.



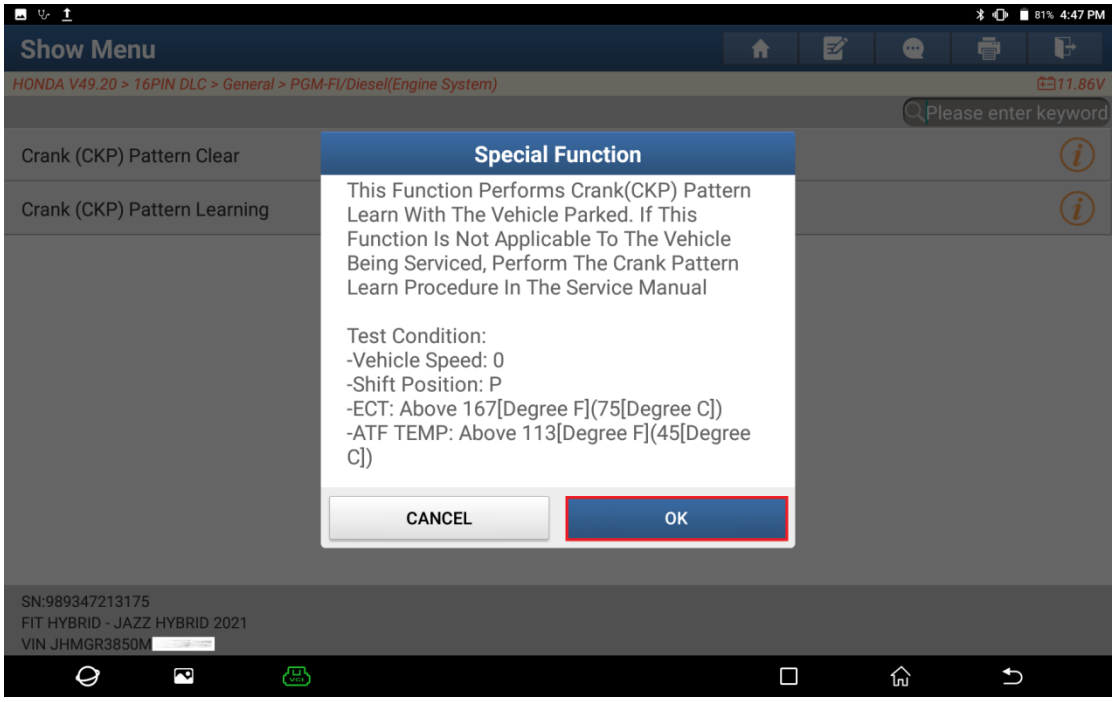
14. The crankshaft (CKP) sensor matching value data in the ECM/PCM has been cleared. Click OK.



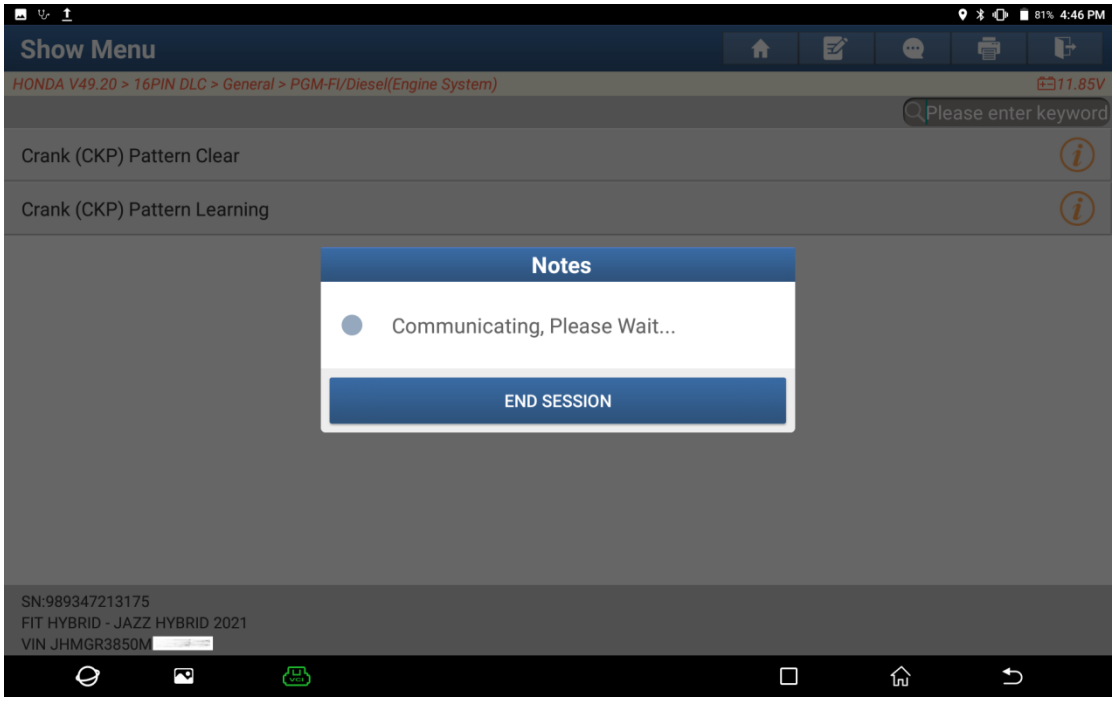
15. Choose [Crank (CKP) Pattern Learning] to write the new crankshaft (CKP) sensor matching value into the ECM/PCM.



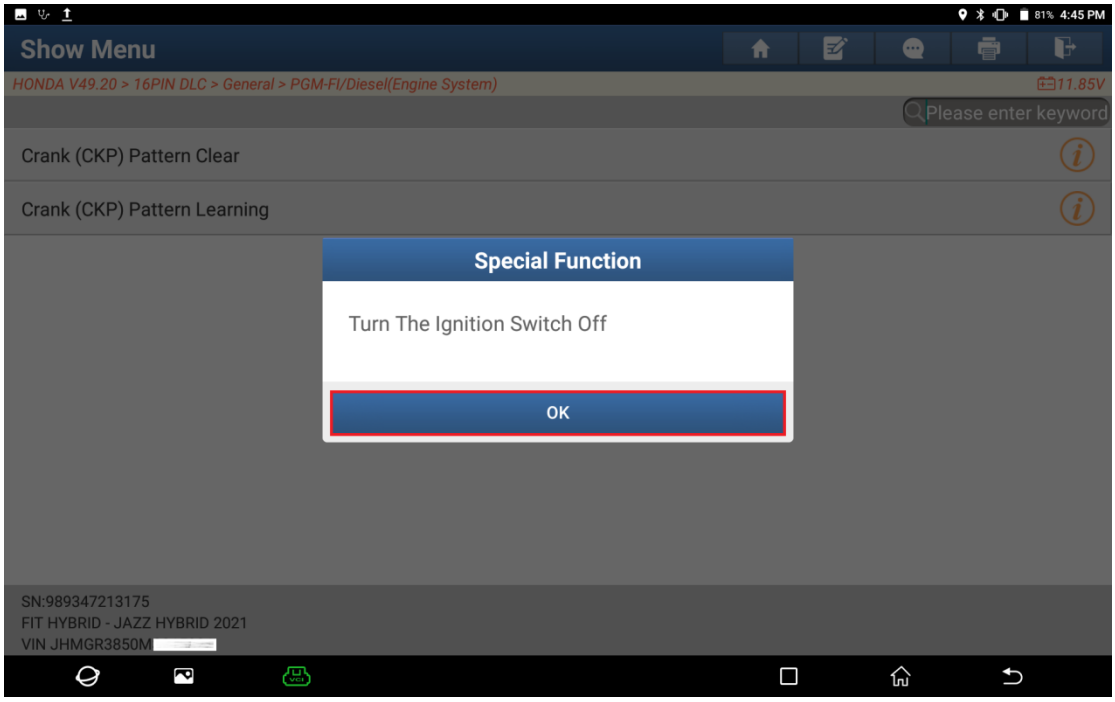
16. After checking that all the test conditions are met, click OK.



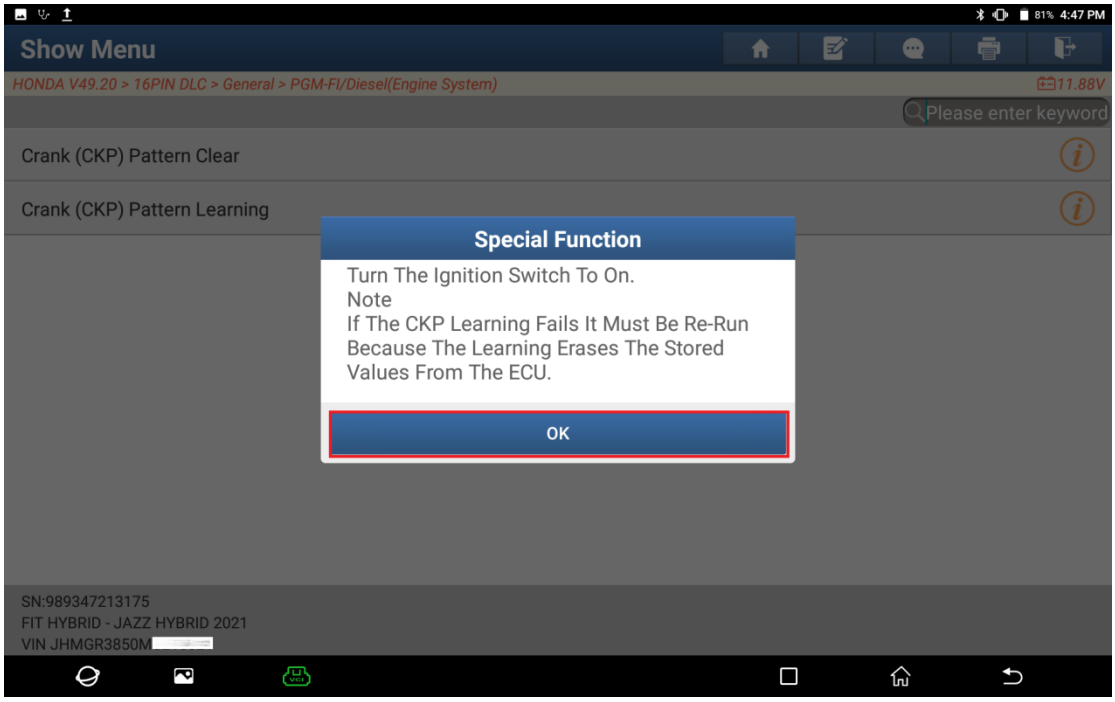
17. The software checks whether the test conditions are normal.



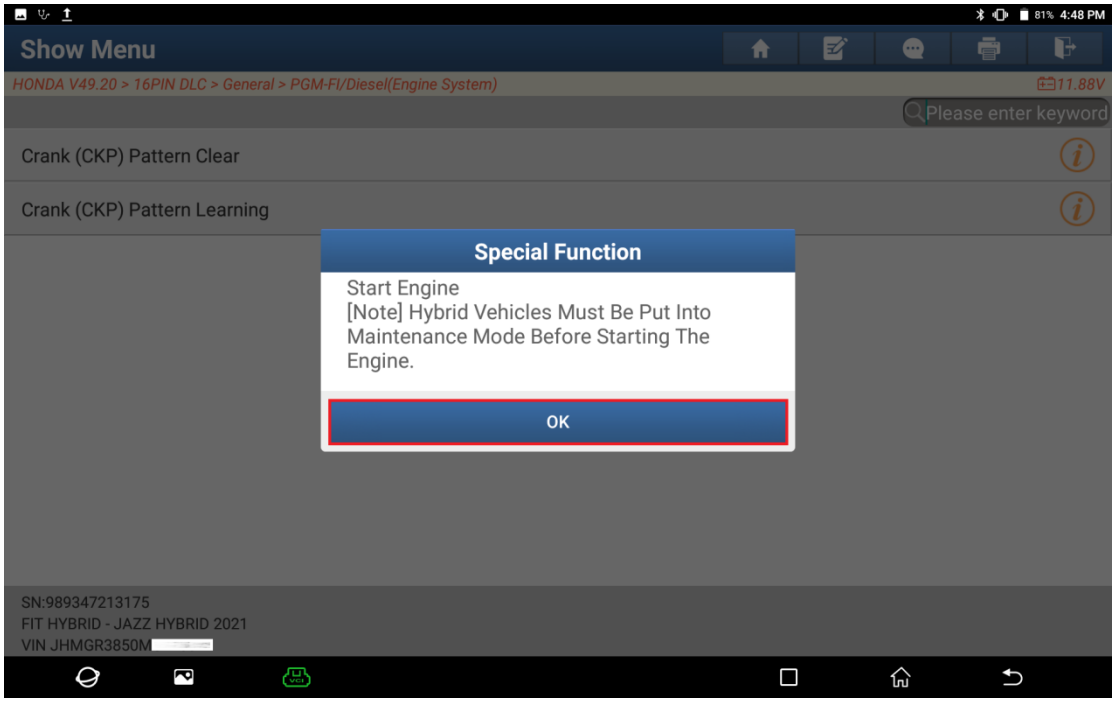
18. Turn off the ignition switch as prompted, and then click OK.



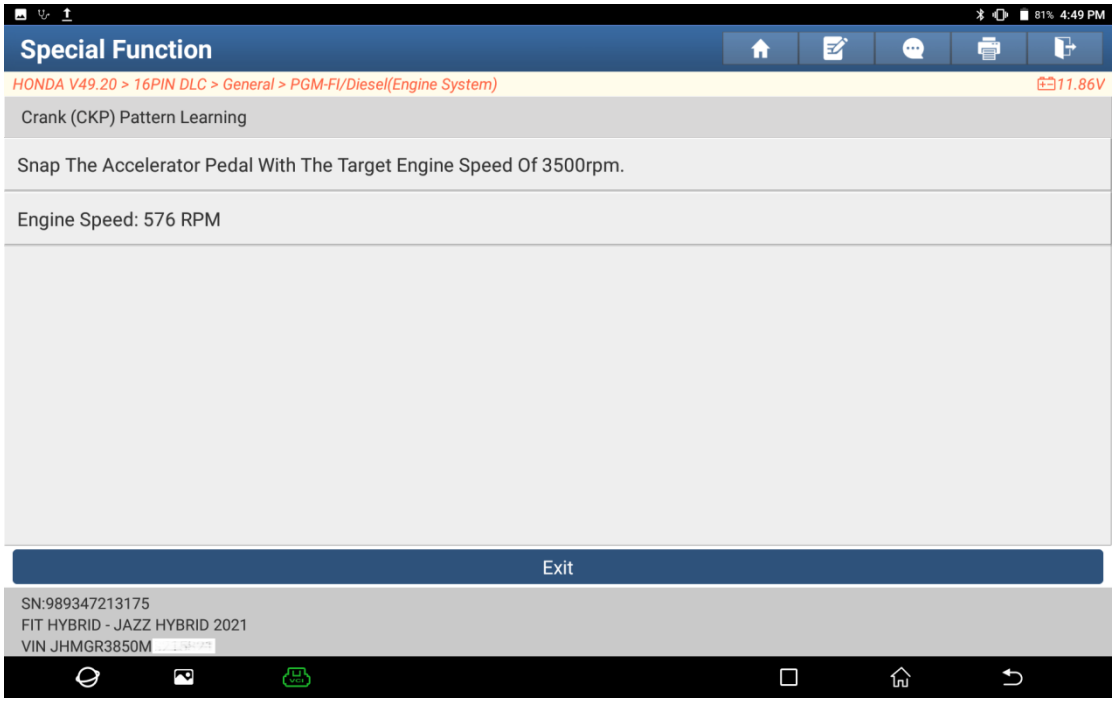
19. Turn on the ignition switch as prompted, and then click OK.



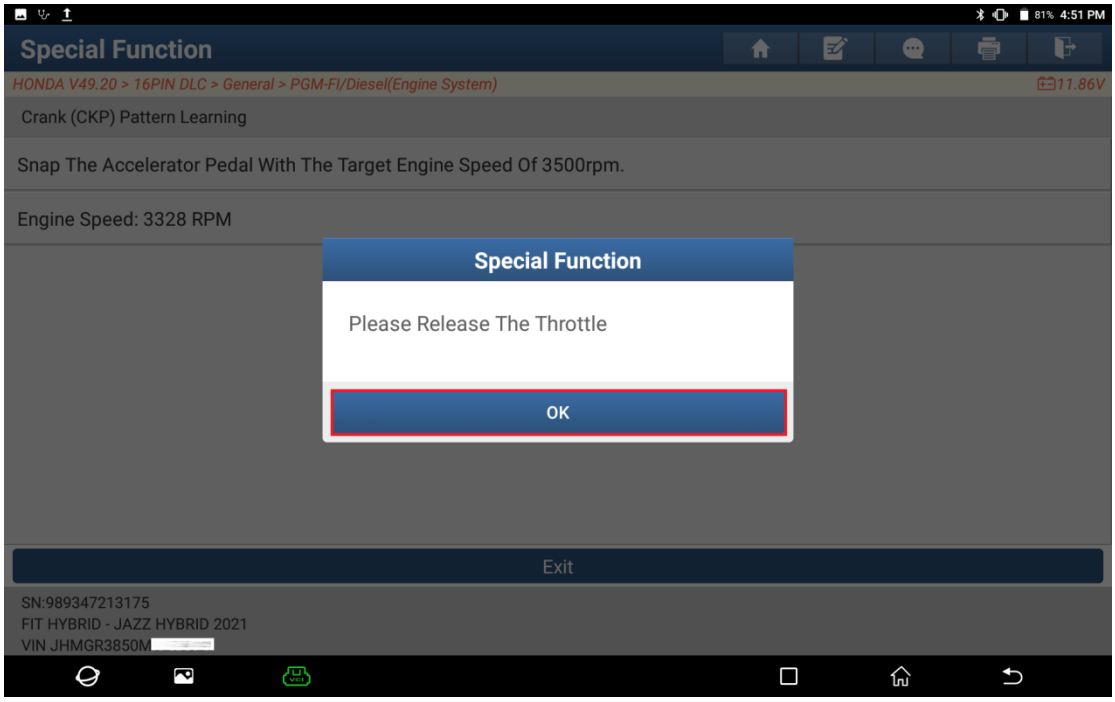
20. Start the engine as prompted and then click OK. Before starting the engine, the hybrid vehicle must be switched to the maintenance mode.



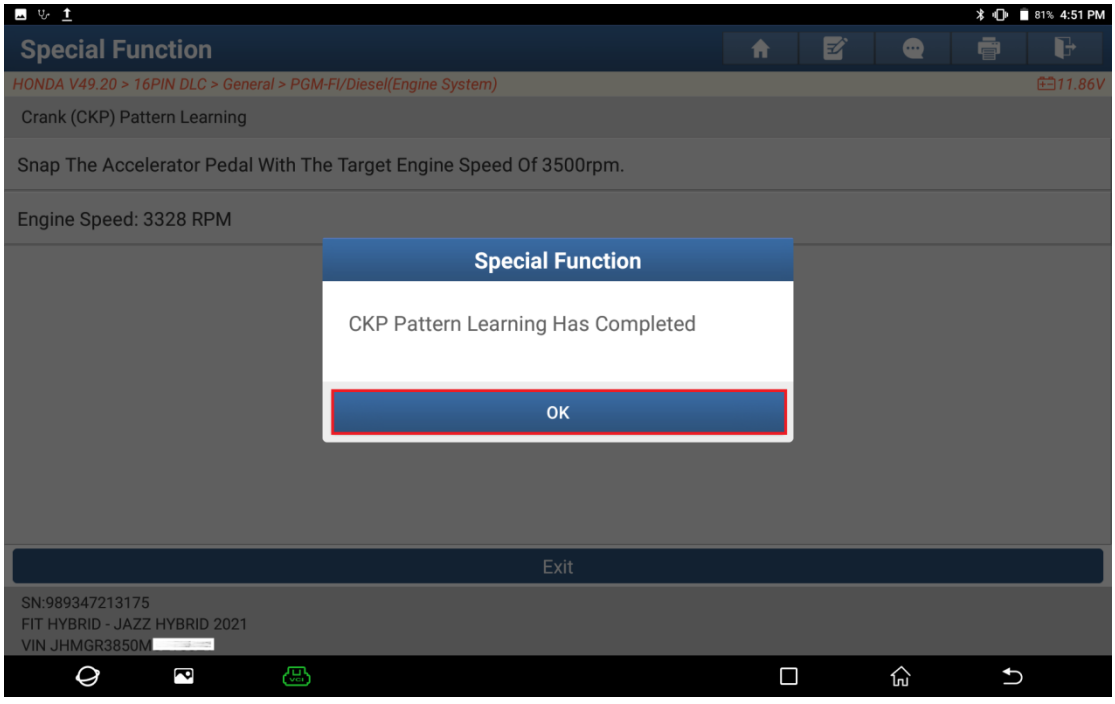
21. Depress the accelerator pedal to increase the engine speed to over 3500 RPM.



22. Release the throttle and click OK.



23. The new crankshaft (CKP) sensor matching value has been written to the ECM/PCM, and the crankshaft (CKP) sensor matching value learning is completed.



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