Honda 2024 CR-V ETCS (TAC) Test

Tested Model: HONDA CR-V 2024

Function Description:

This function performs a functional check of the electronic throttle control system on Honda models, to confirm whether the throttle position sensor, control relay, and throttle body itself are operating normally.

Supported Equipment:

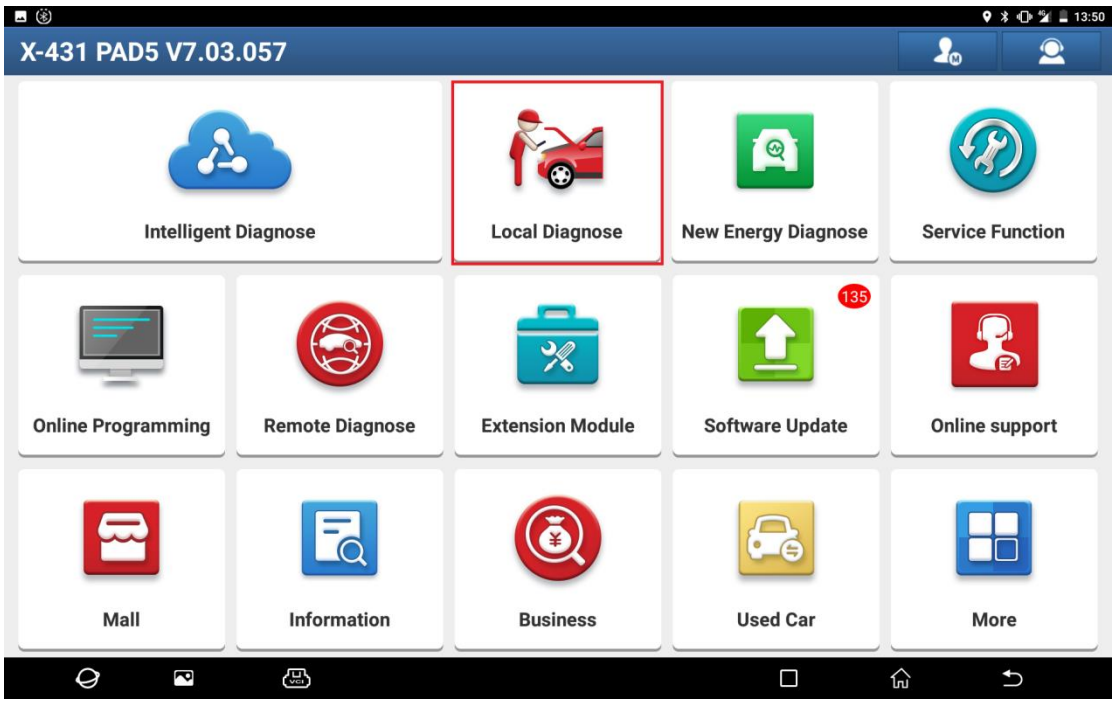
Launch PRO or PAD series comprehensive diagnostic equipment

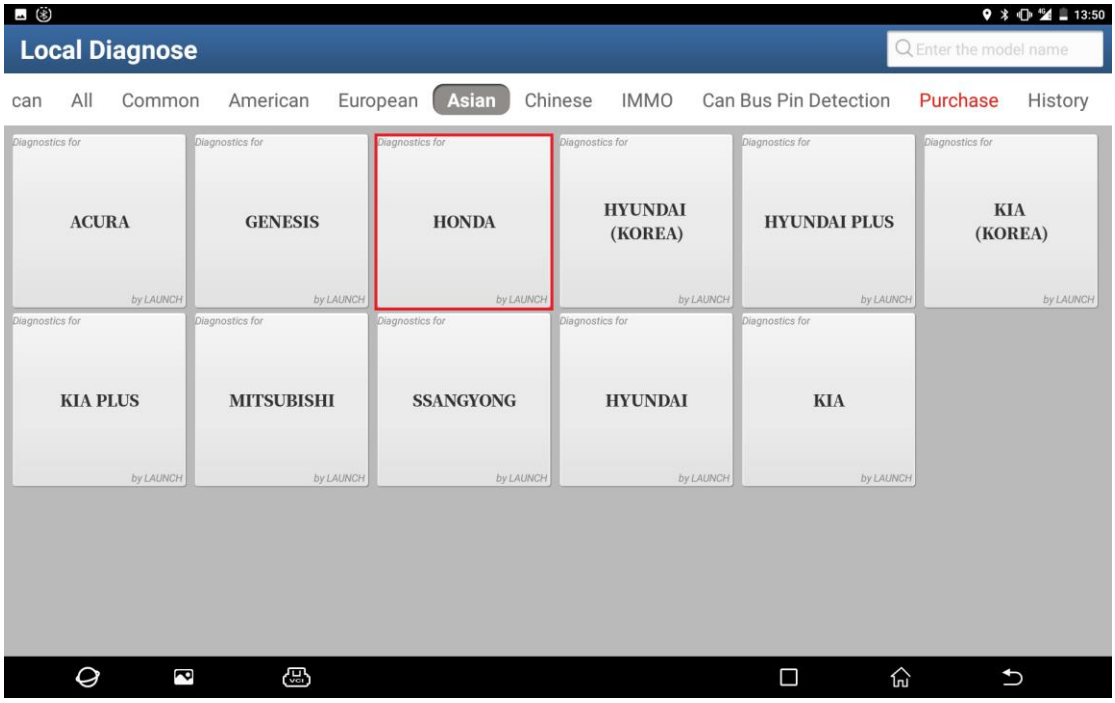
Execution Conditions:

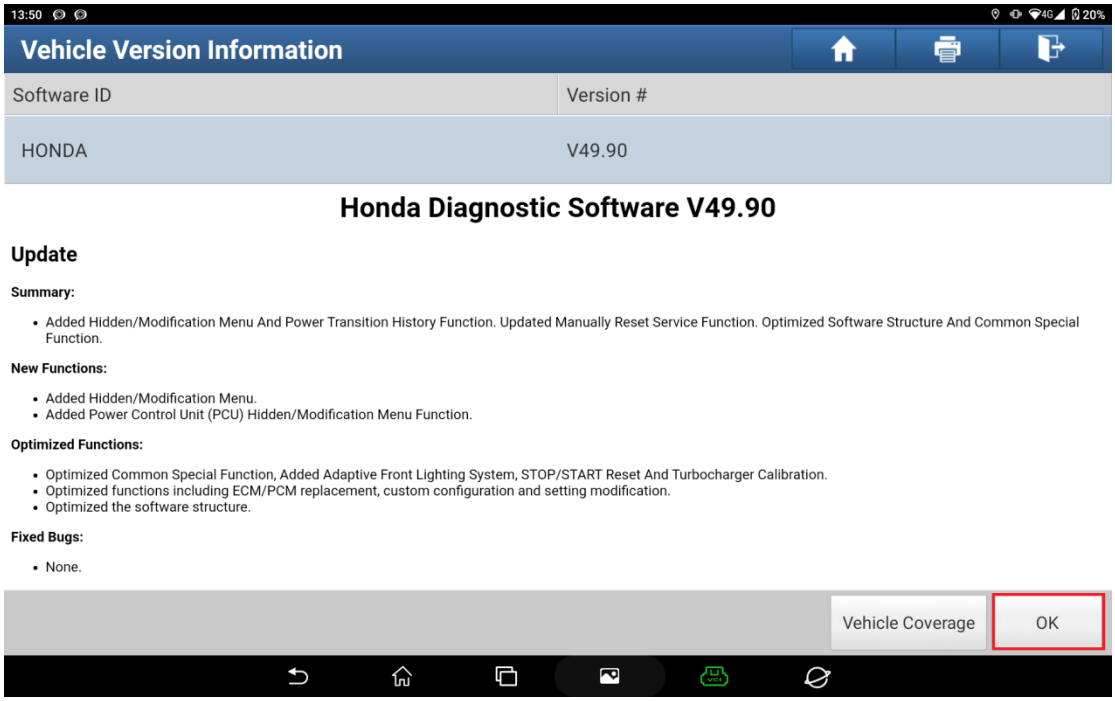
- Connector connected and ignition switch ON
- Shift lever in P or N gear
- 12V battery voltage above 10.5V

Procedure:

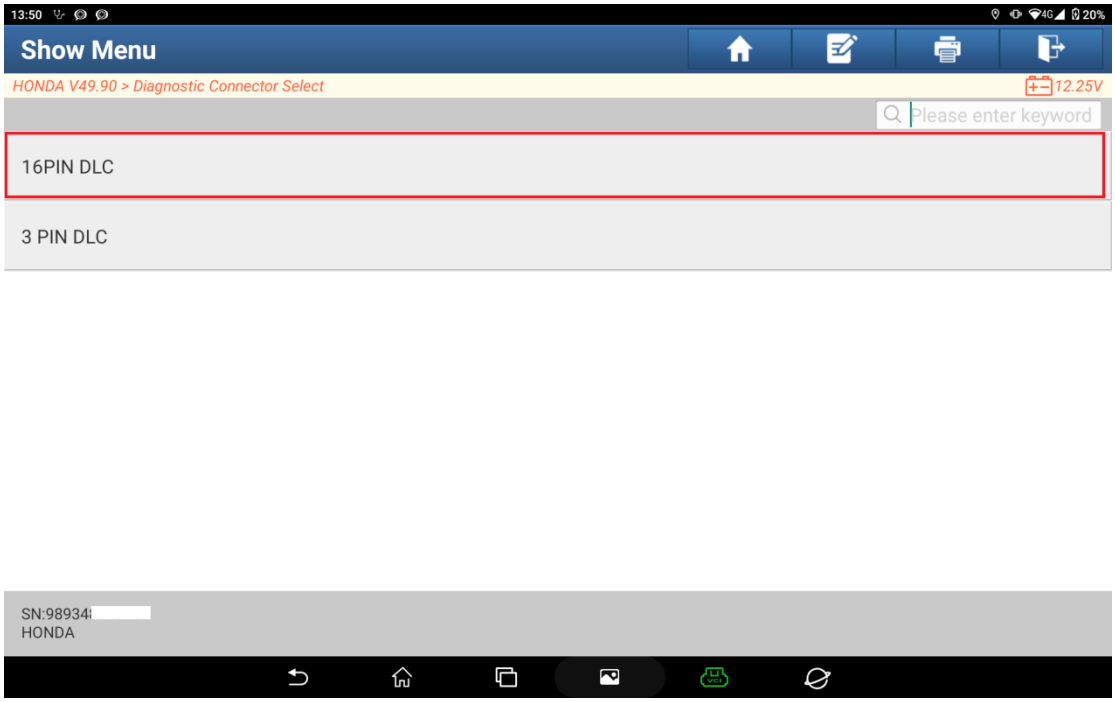
1. On a PAD 5, choose [Local Diagnose], and then choose [HONDA] for testing.

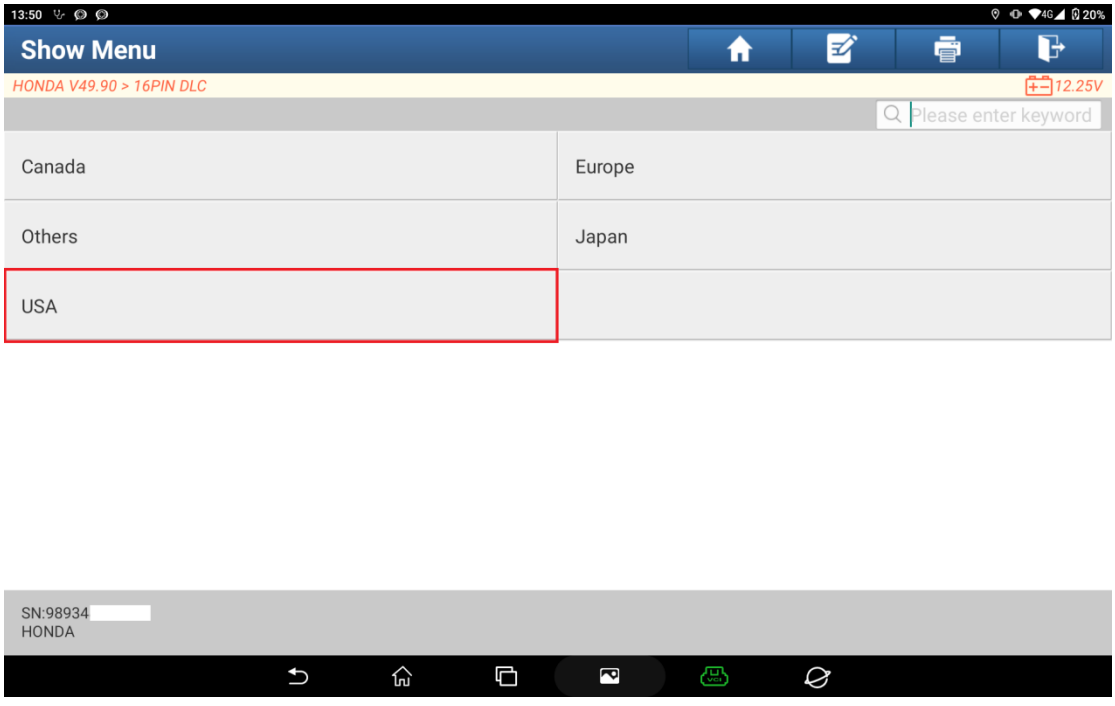



13:50
Local Diagnose
Enter the model name
can
All
Common
American
European
Asian
Chinese
IMMO
Can Bus Pin Detection
Purchase
History
Diagnostics for
ACURA
by LAUNCH
Diagnostics for
GENESIS
by LAUNCH
Diagnostics for
HONDA
by LAUNCH
Diagnostics for
HYUNDAI (KOREA)
by LAUNCH
Diagnostics for
HYUNDAI PLUS
by LAUNCH
Diagnostics for
KIA (KOREA)
by LAUNCH
Diagnostics for
KIA PLUS
by LAUNCH
Diagnostics for
MITSUBISHI
by LAUNCH
Diagnostics for
SSANGYONG
by LAUNCH
Diagnostics for
HYUNDAI
by LAUNCH
Diagnostics for
KIA
by LAUNCH

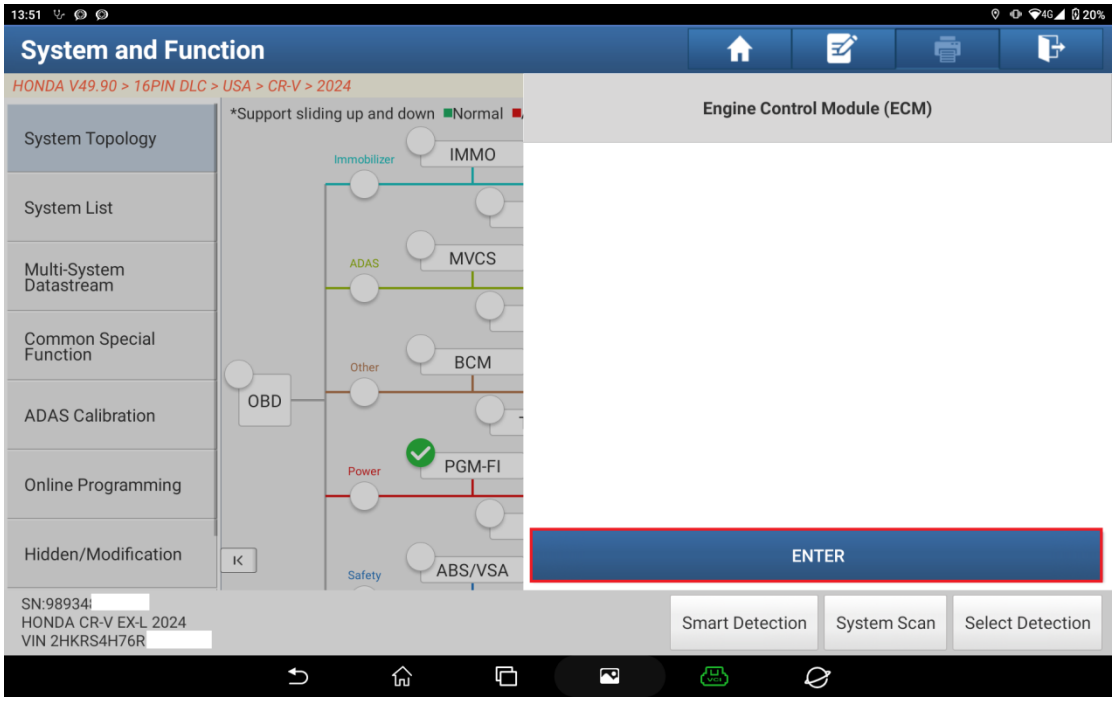

13:50
20%
Vehicle Version Information
Software ID
Version #
HONDA
V49.90
Honda Diagnostic Software V49.90
Update
Summary:
• Added Hidden/Modification Menu And Power Transition History Function. Updated Manually Reset Service Function. Optimized Software Structure And Common Special Function.
New Functions:
• Added Hidden/Modification Menu.
• Added Power Control Unit (PCU) Hidden/Modification Menu Function.
Optimized Functions:
• Optimized Common Special Function, Added Adaptive Front Lighting System, STOP/START Reset And Turbocharger Calibration.
• Optimized functions including ECM/PCM replacement, custom configuration and setting modification.
• Optimized the software structure.
Fixed Bugs:
• None.
Vehicle Coverage
OK

2. Choose [16PIN DLC], and then choose the region to automatically identify the vehicle model. For this test, choose the [USA] region.

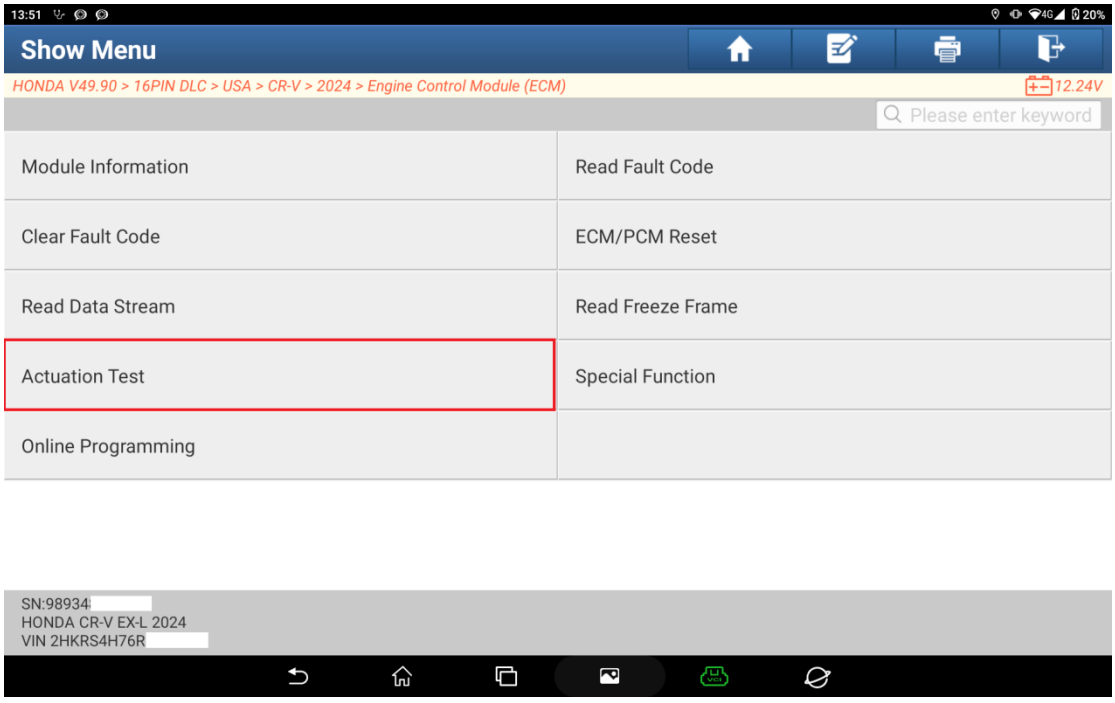




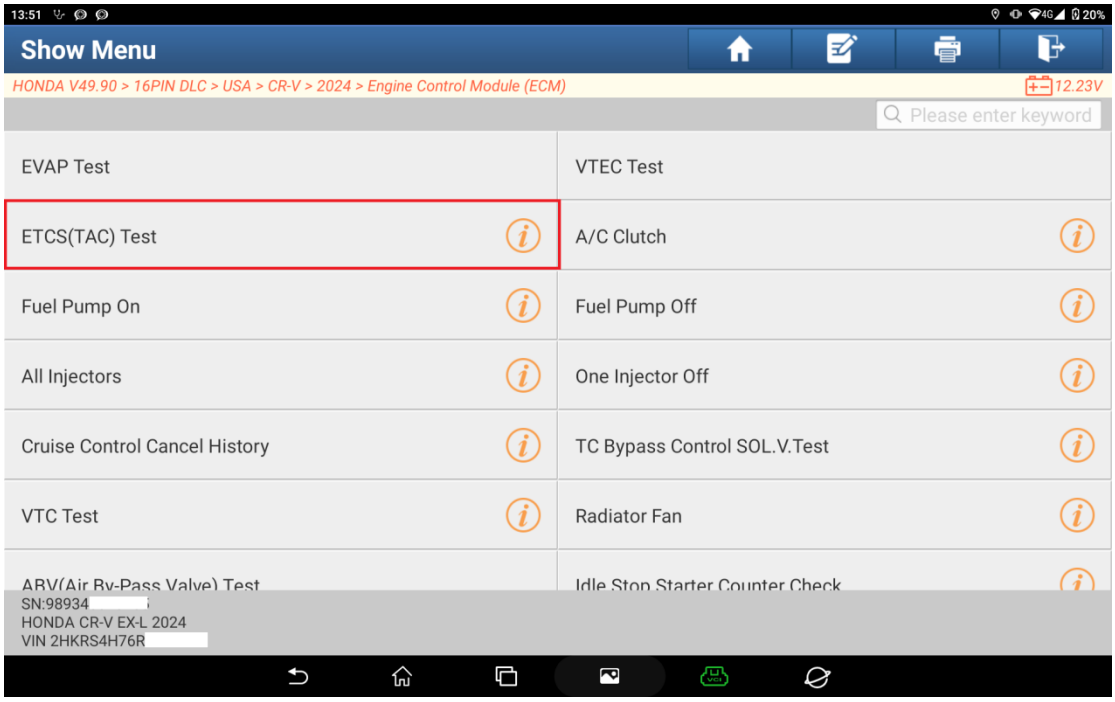
3. Choose the ECM (Engine Control Module) and tap "ENTER".



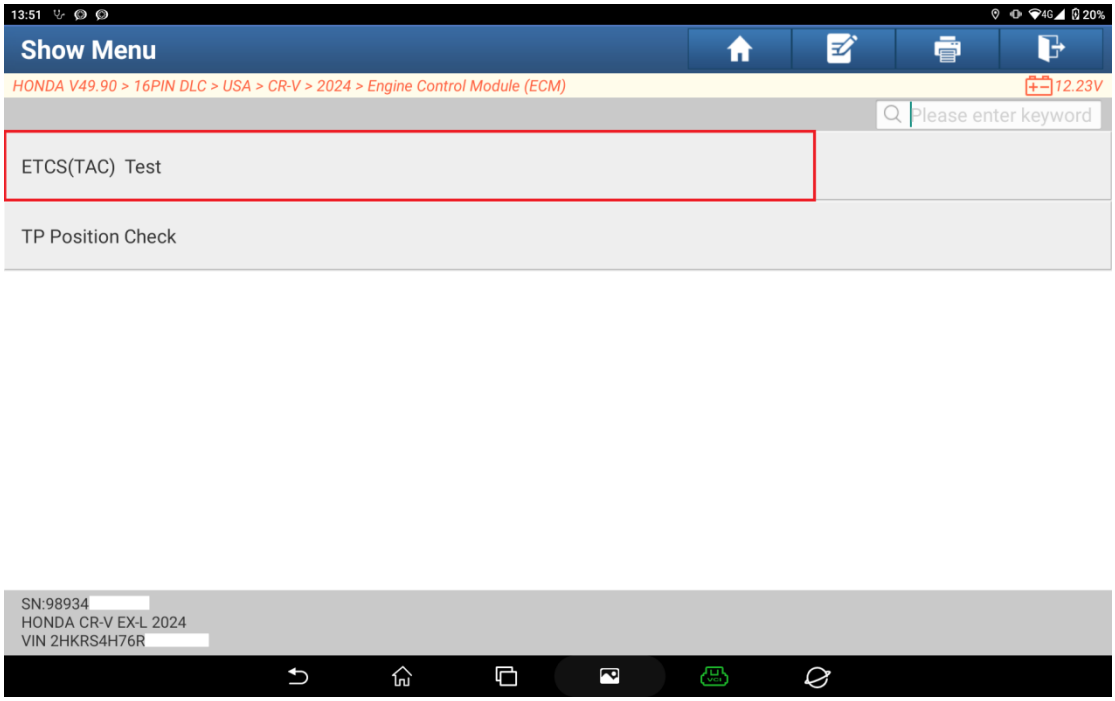
4. Choose [Actuation Test].



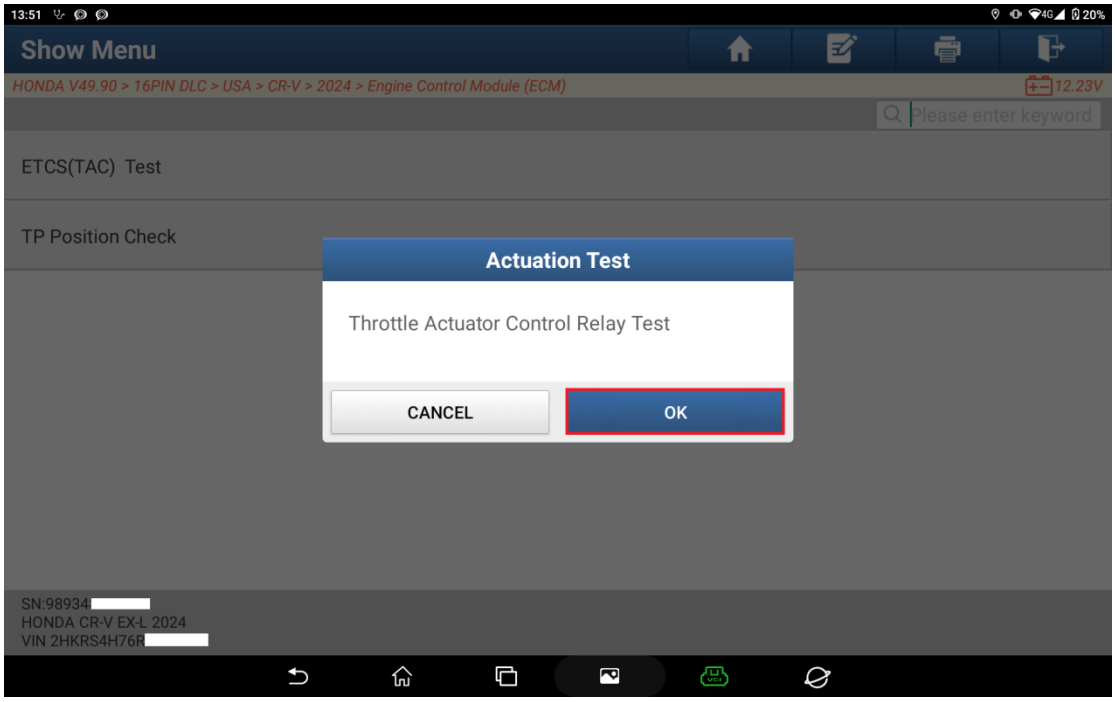
5. Choose [ETCS (TAC) Test].



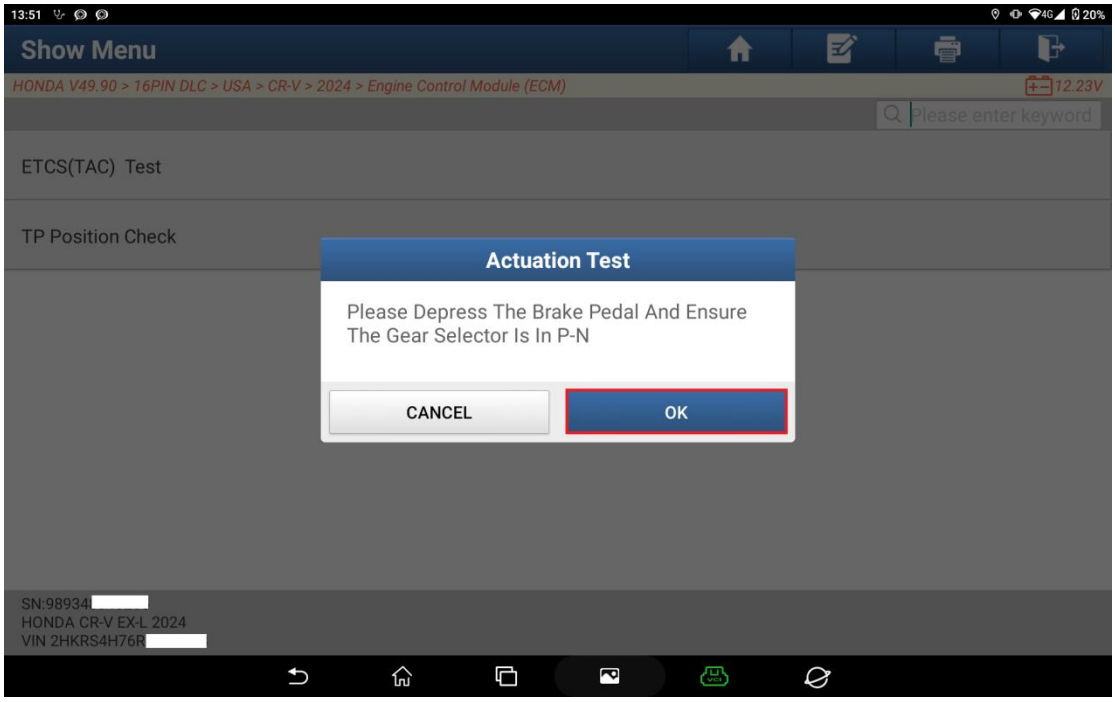
6. Choose [ETCS (TAC) Test].



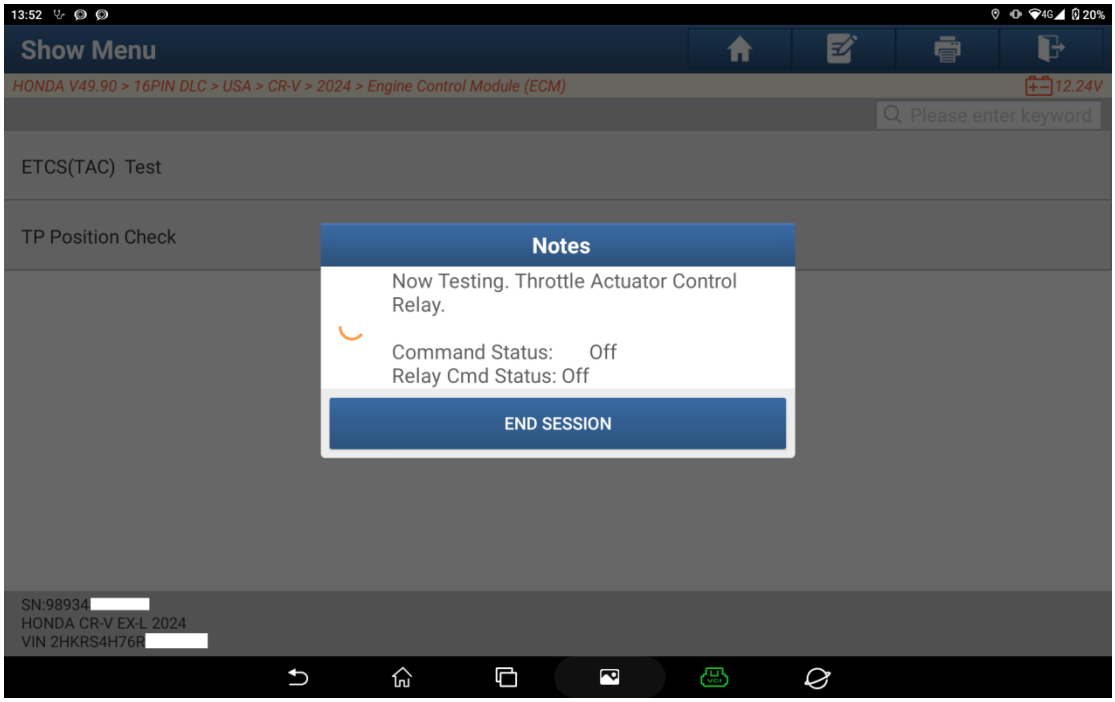
7. View the function description and tap "OK" to start the test.

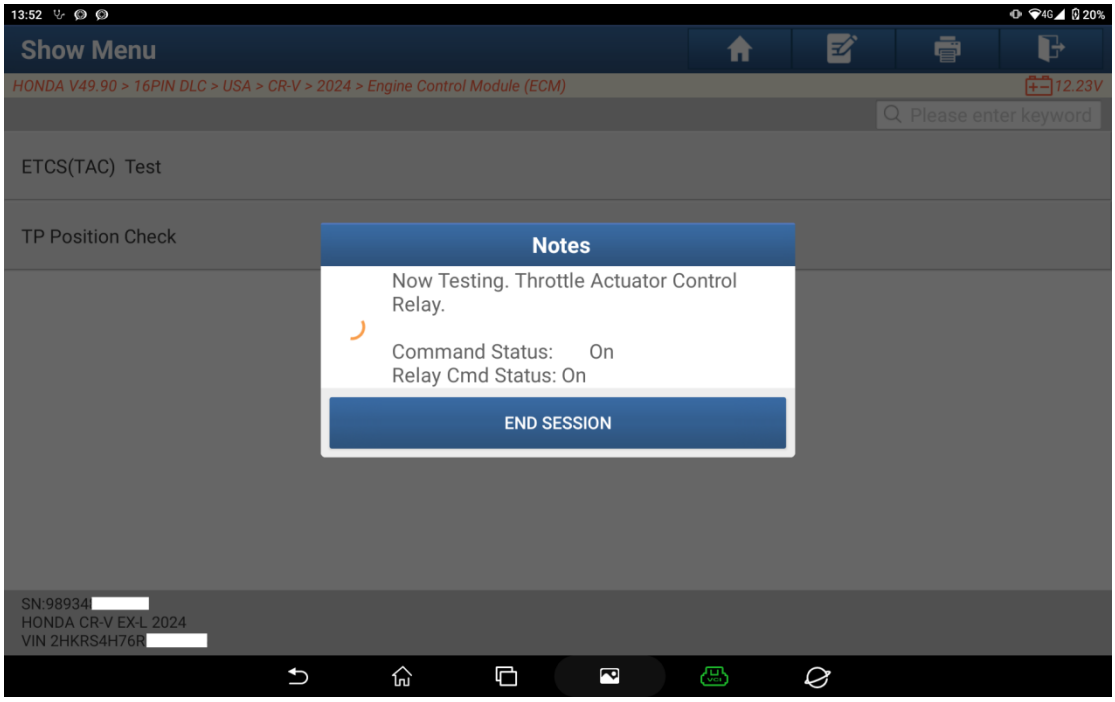


8. Follow the prompts to depress the brake pedal and place the gear selector in P or N position, and then tap "OK".

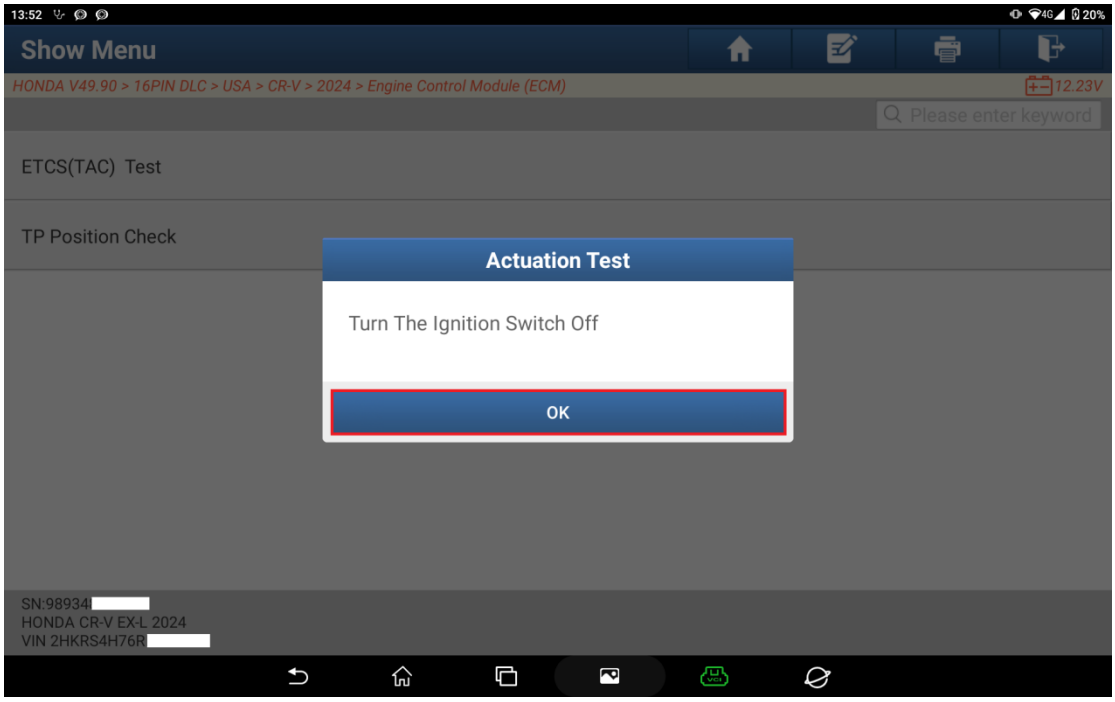


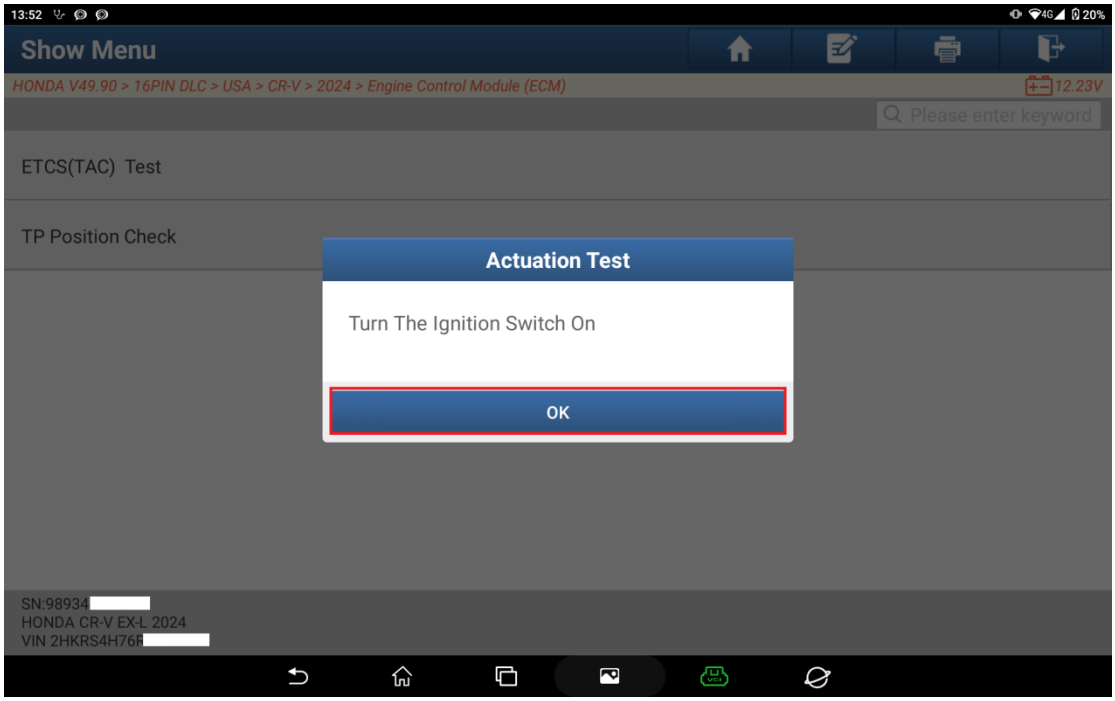
9. Start testing the throttle control relay. The software sends off/on commands, and the relay command status read back matches the sent command.



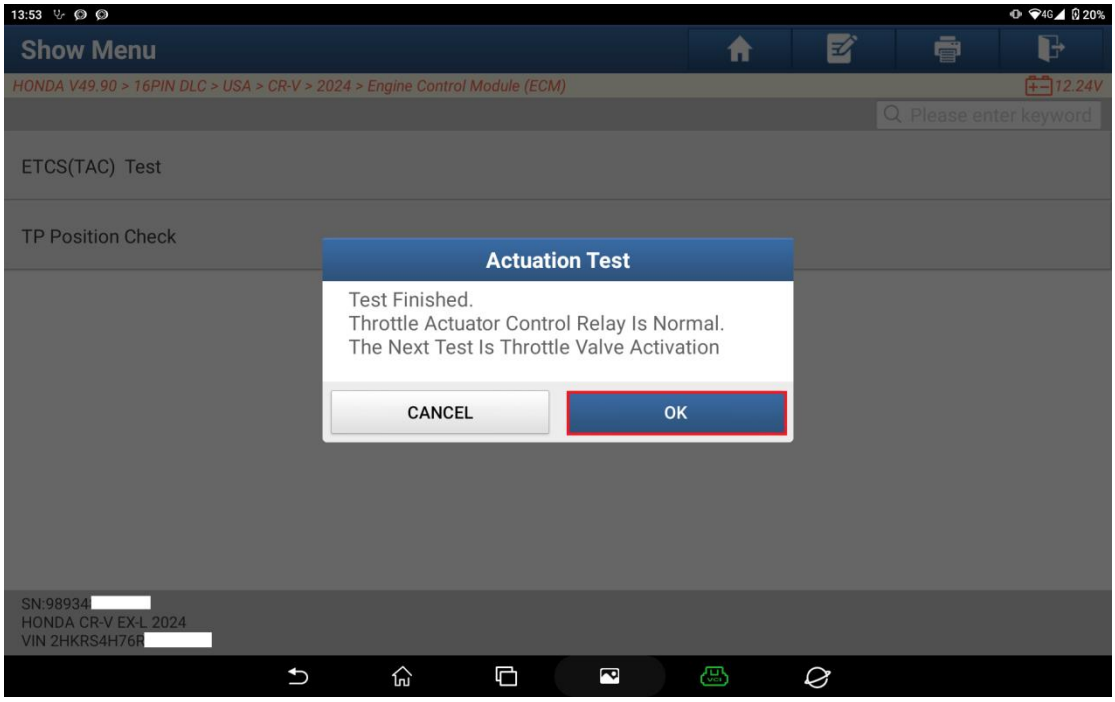


10. Follow the prompts to turn off the ignition switch and then turn it back on.

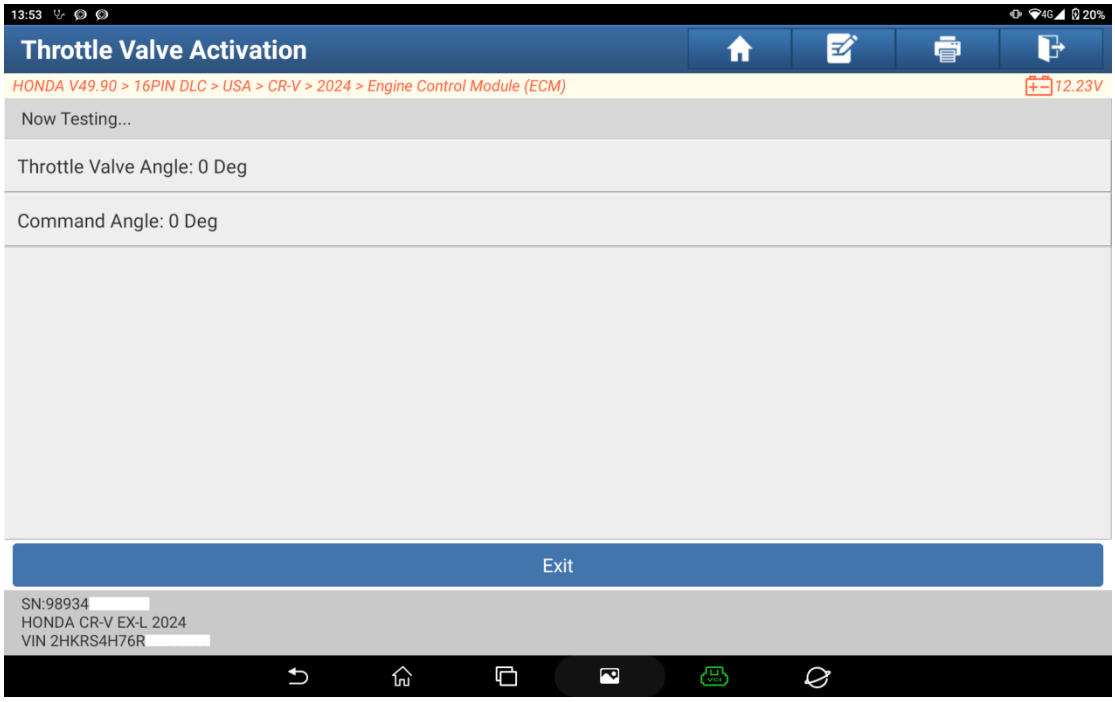


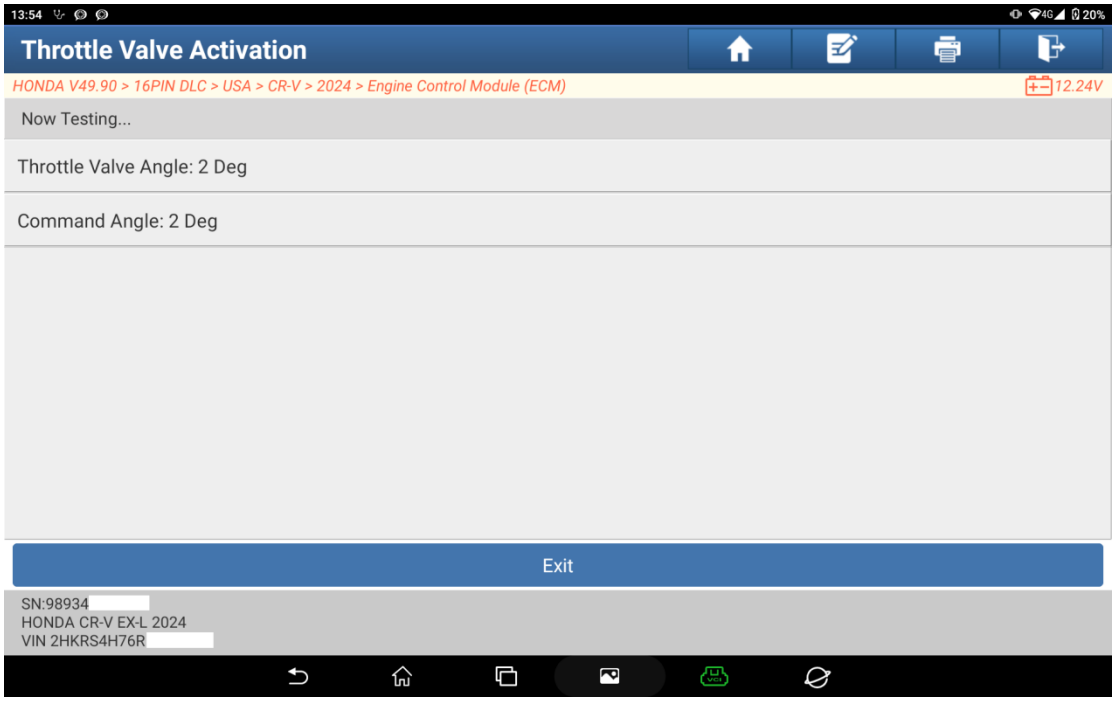


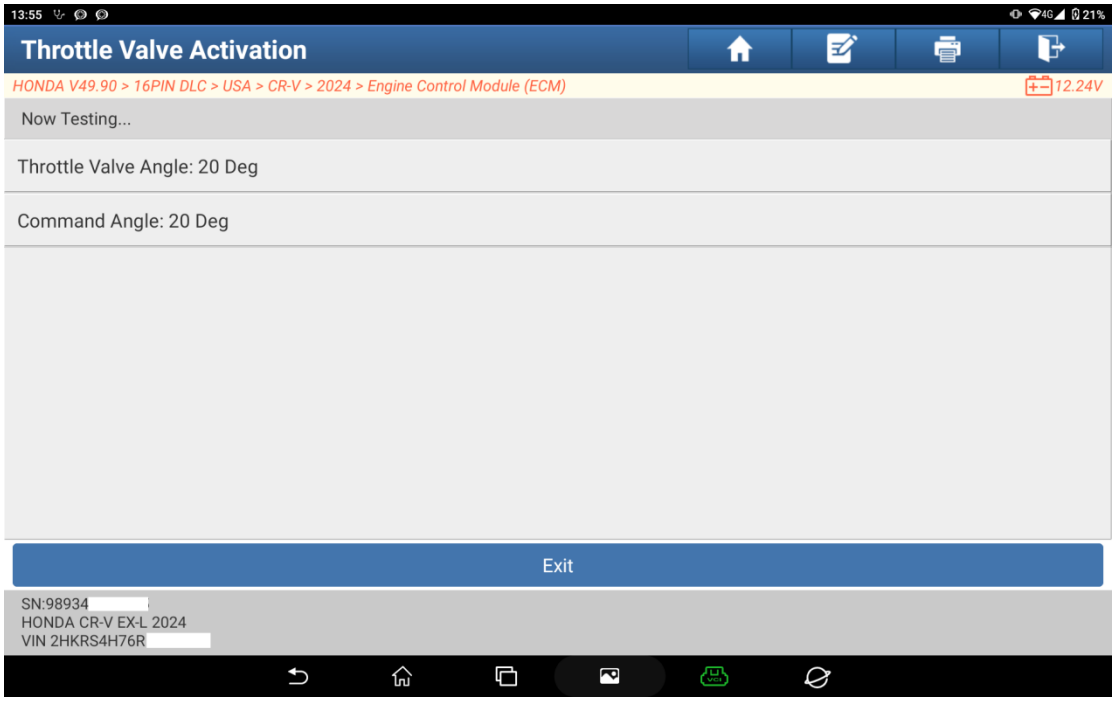
11. Throttle control relay is normal. Tap "OK" to start the throttle activation test.

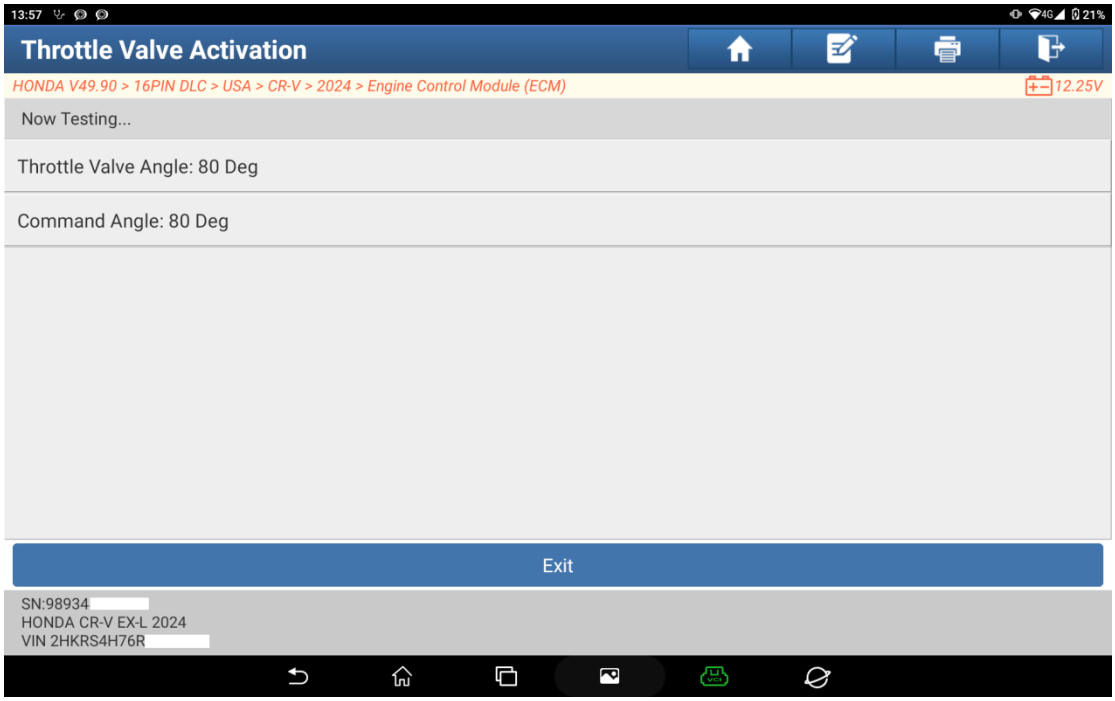


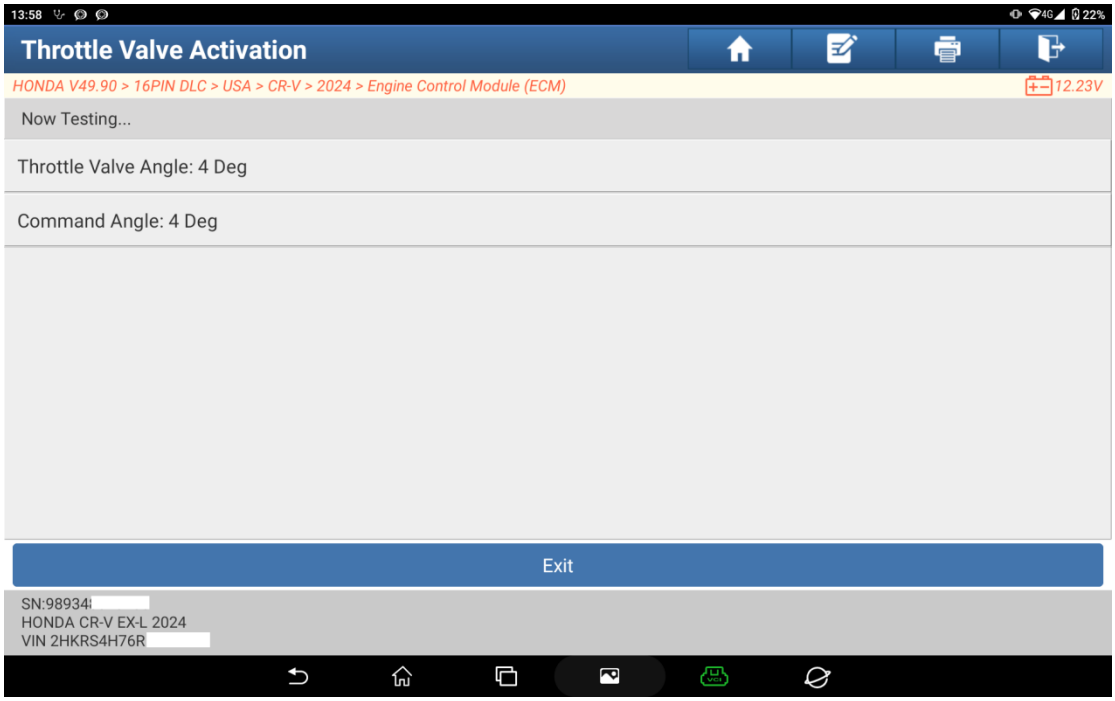
12. The software sends commands to forcefully set different command angles. If the throttle angles read back matches the command angles, the throttle activation is normal. This process lasts about 20 seconds.



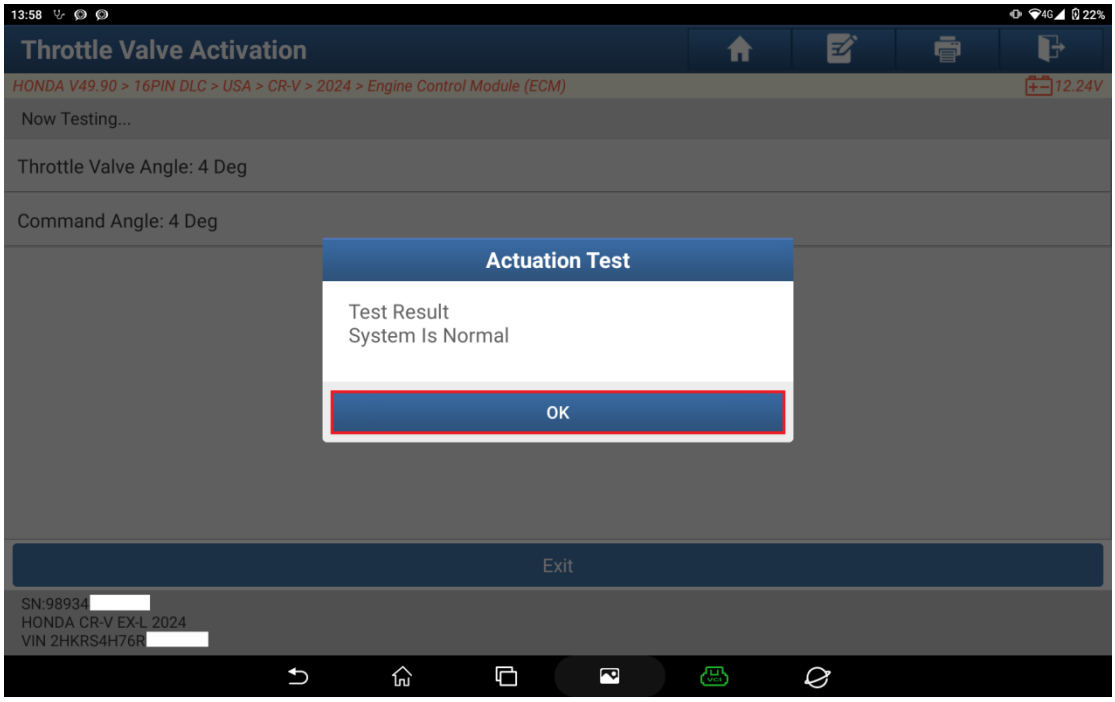

13:54
20%
Throttle Valve Activation
HONDA V49.90 > 16PIN DLC > USA > CR-V > 2024 > Engine Control Module (ECM)
12.24V
Now Testing...
Throttle Valve Angle: 2 Deg
Command Angle: 2 Deg
Exit
SN:98934
HONDA CR-V EX-L 2024
VIN 2HKRS4H76R


13:55
21%
Throttle Valve Activation
HONDA V49.90 > 16PIN DLC > USA > CR-V > 2024 > Engine Control Module (ECM)
12.24V
Now Testing...
Throttle Valve Angle: 20 Deg
Command Angle: 20 Deg
Exit
SN:98934
HONDA CR-V EX-L 2024
VIN 2HKRS4H76R

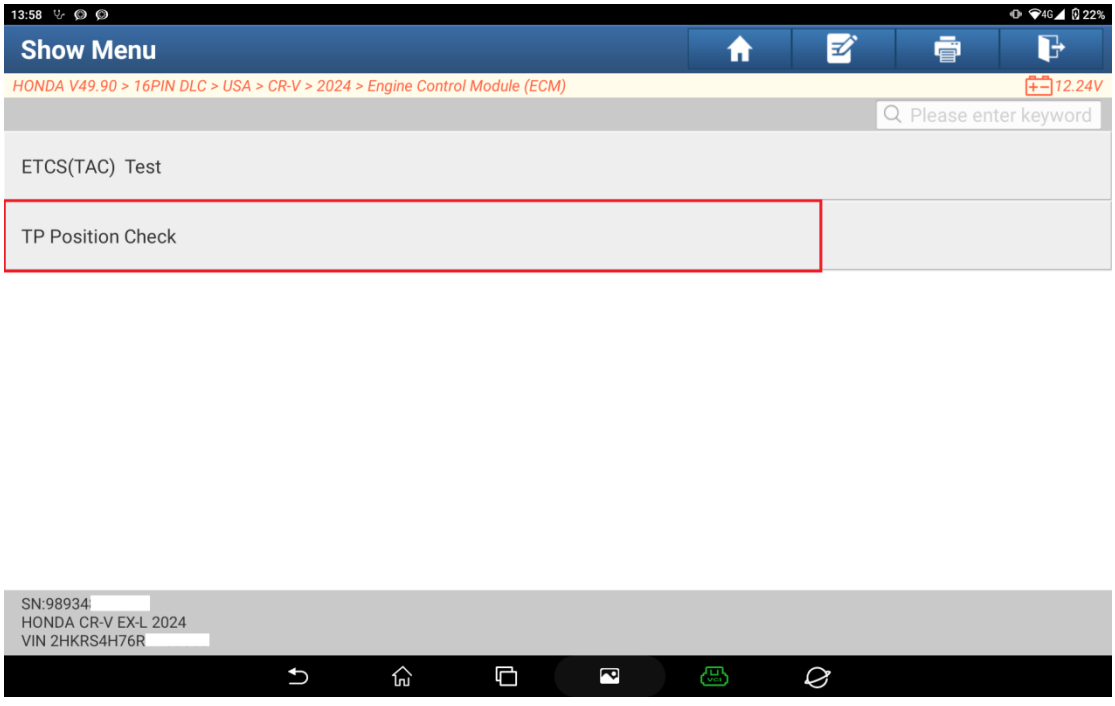

13:57
21%
Throttle Valve Activation
HONDA V49.90 > 16PIN DLC > USA > CR-V > 2024 > Engine Control Module (ECM)
12.25V
Now Testing...
Throttle Valve Angle: 80 Deg
Command Angle: 80 Deg
Exit
SN:98934
HONDA CR-V EX-L 2024
VIN 2HKRS4H76R


13:58
22%
Throttle Valve Activation
HONDA V49.90 > 16PIN DLC > USA > CR-V > 2024 > Engine Control Module (ECM)
12.23V
Now Testing...
Throttle Valve Angle: 4 Deg
Command Angle: 4 Deg
Exit
SN:98934
HONDA CR-V EX-L 2024
VIN 2HKRS4H76R

13. The system is normal and the test is completed. Tap "OK".



14. If the vehicle requires throttle re-matching, you can continue to perform the [TP Position Check] function. For the steps, refer to the electronic throttle idle learning instructions.



Statement

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