Engine_Working on the High-Temperature Coolant Circuit

Tested Model: PORSCHE Cayenne-9YA 2021

Function Description:

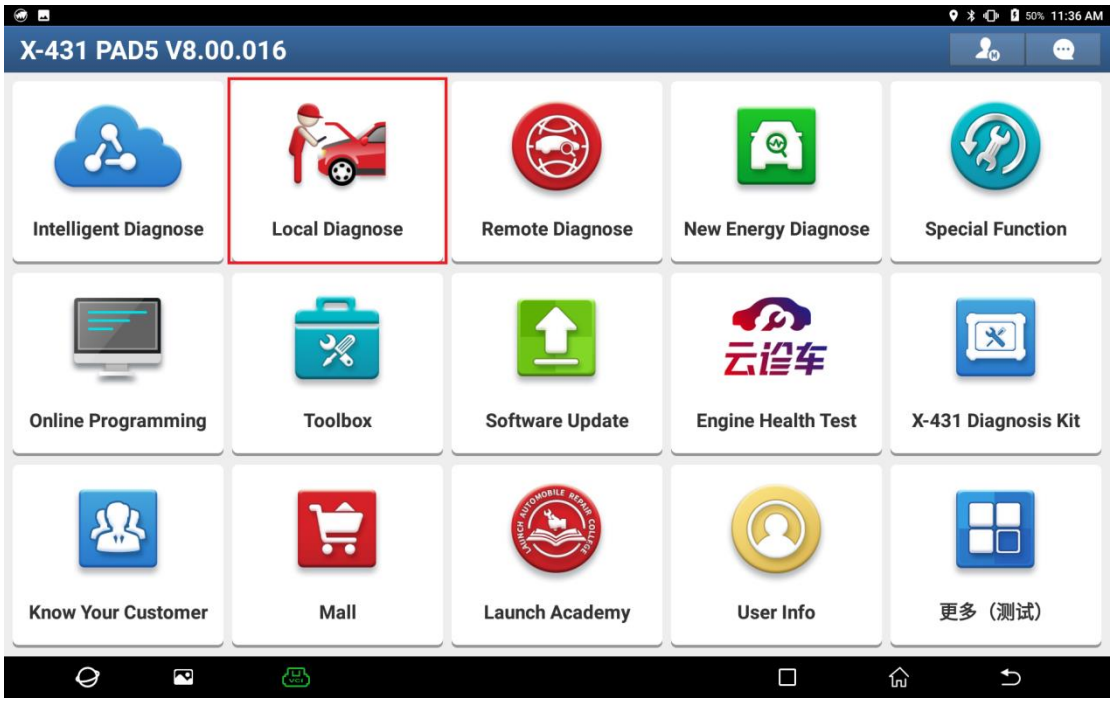
This function is used to drain and fill coolant, as well as to bleed the high-temperature coolant circuit.

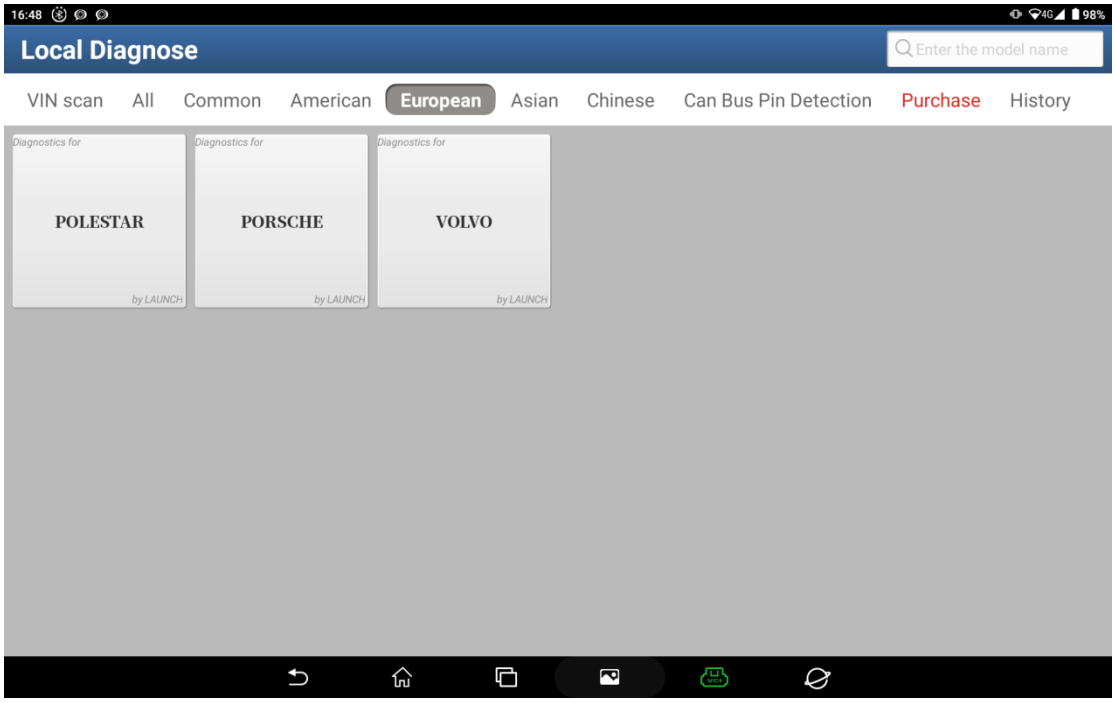
Execution Conditions:

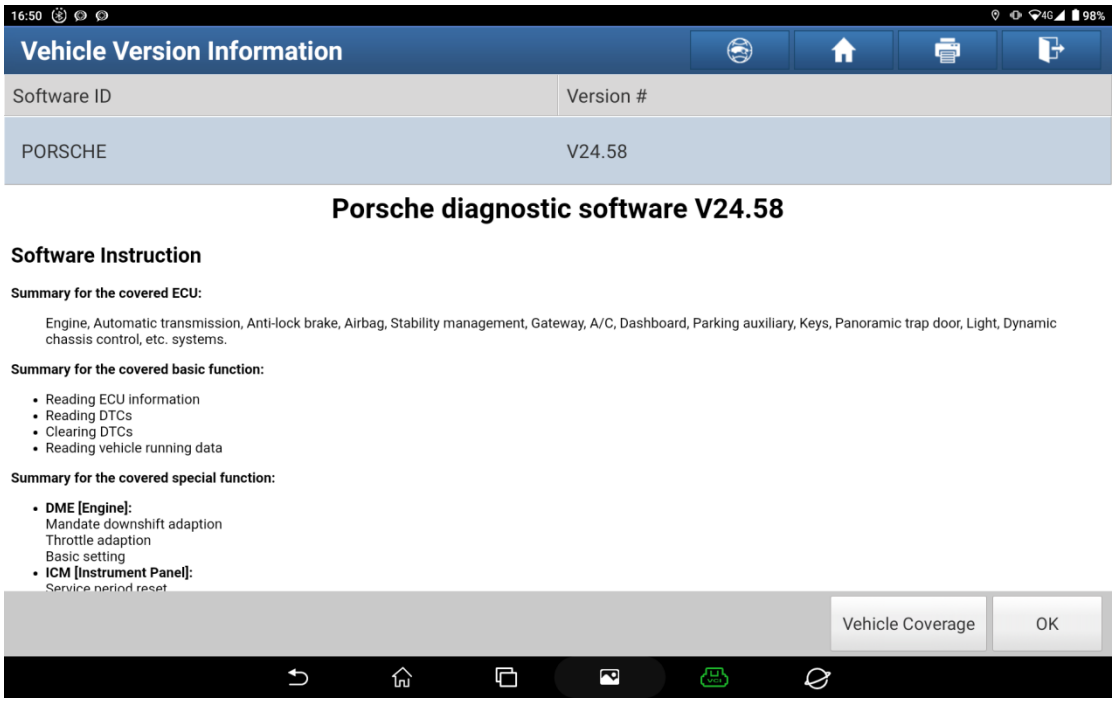
- Ignition switch ON
- Electric parking brake engaged
- Brake pedal not depressed
- Actual SOC of hybrid battery > 20% (hybrid vehicles only)
- Maximum heating power enabled (set both "Temp" buttons on the center console to "HI") (not applicable to hybrid vehicles)

Procedure:

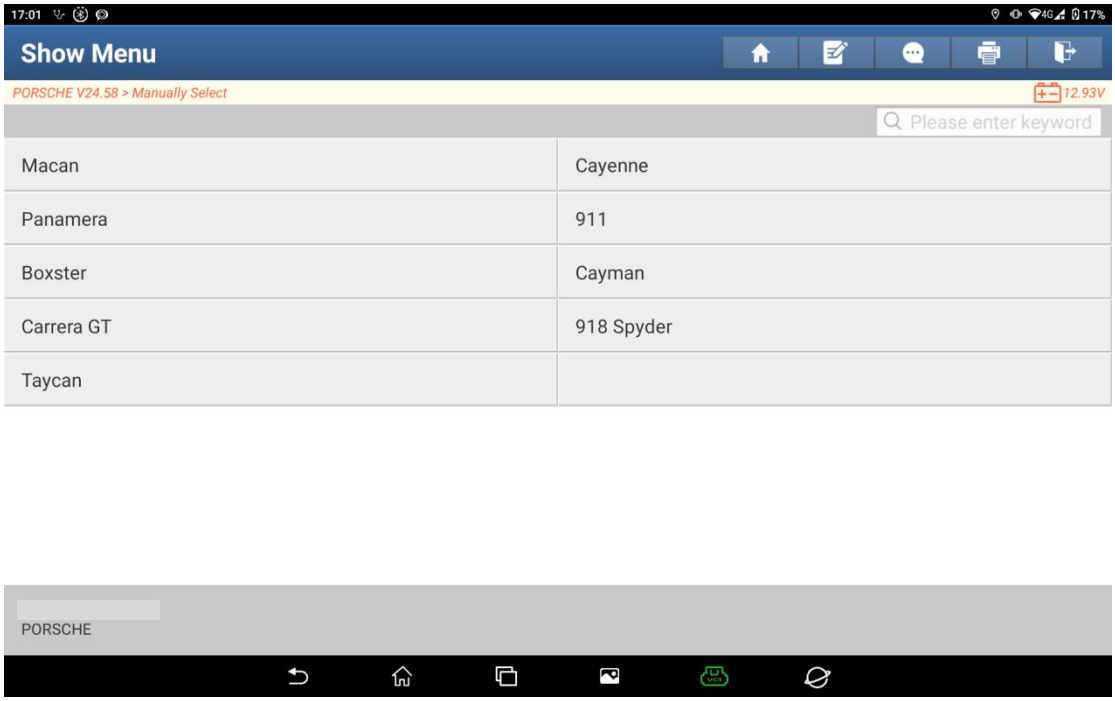
1. Choose [Local Diagnose], and then choose [PORSCHE] for testing.

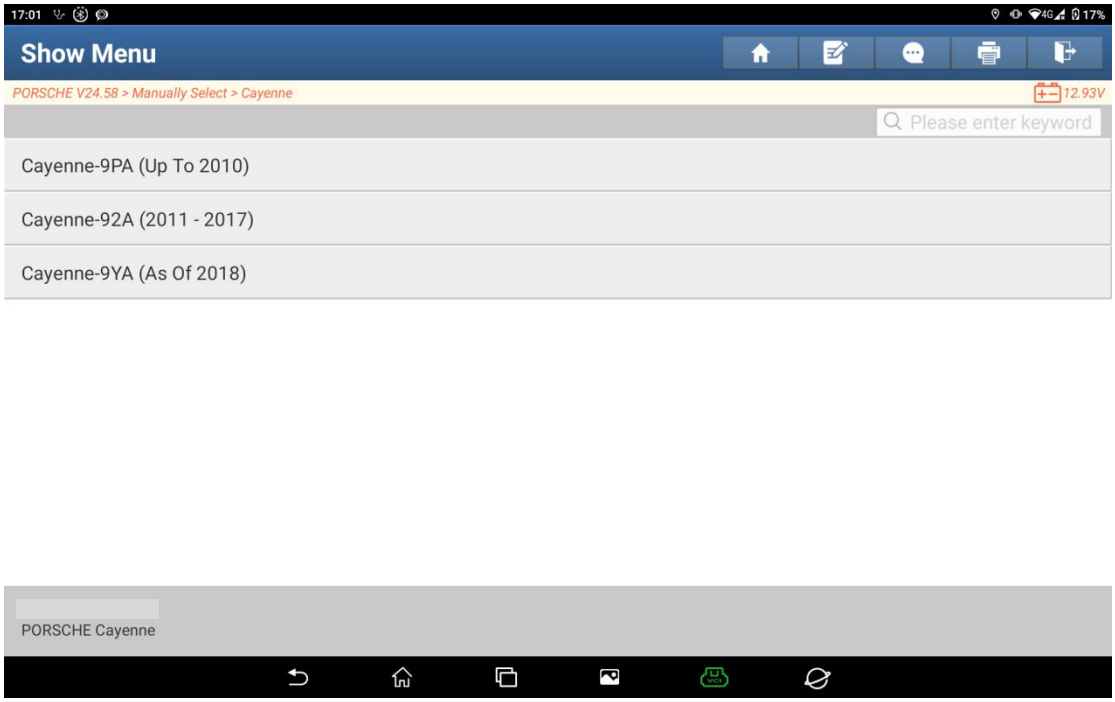



16:48
98%
Local Diagnose
Enter the model name
VIN scan
All
Common
American
European
Asian
Chinese
Can Bus Pin Detection
Purchase
History
Diagnostics for
POLESTAR
by LAUNCH
Diagnostics for
PORSCHE
by LAUNCH
Diagnostics for
VOLVO
by LAUNCH

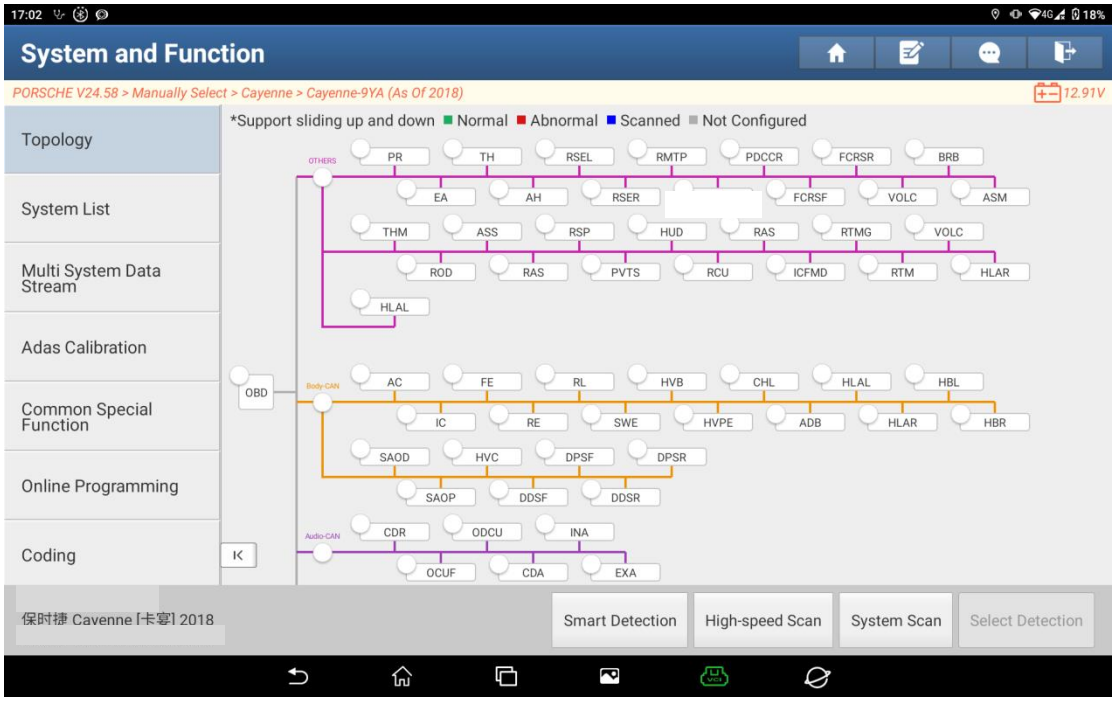

16:50
98%
Vehicle Version Information
Software ID
Version #
PORSCHE
V24.58
Porsche diagnostic software V24.58
Software Instruction
Summary for the covered ECU:
Engine, Automatic transmission, Anti-lock brake, Airbag, Stability management, Gateway, A/C, Dashboard, Parking auxiliary, Keys, Panoramic trap door, Light, Dynamic chassis control, etc. systems.
Summary for the covered basic function:
Reading ECU information
Reading DTCs
Clearing DTCs
Reading vehicle running data
Summary for the covered special function:
DME [Engine]:
Mandate downshift adaption
Throttle adaption
Basic setting
ICM [Instrument Panel]:
Service period reset
Vehicle Coverage
OK

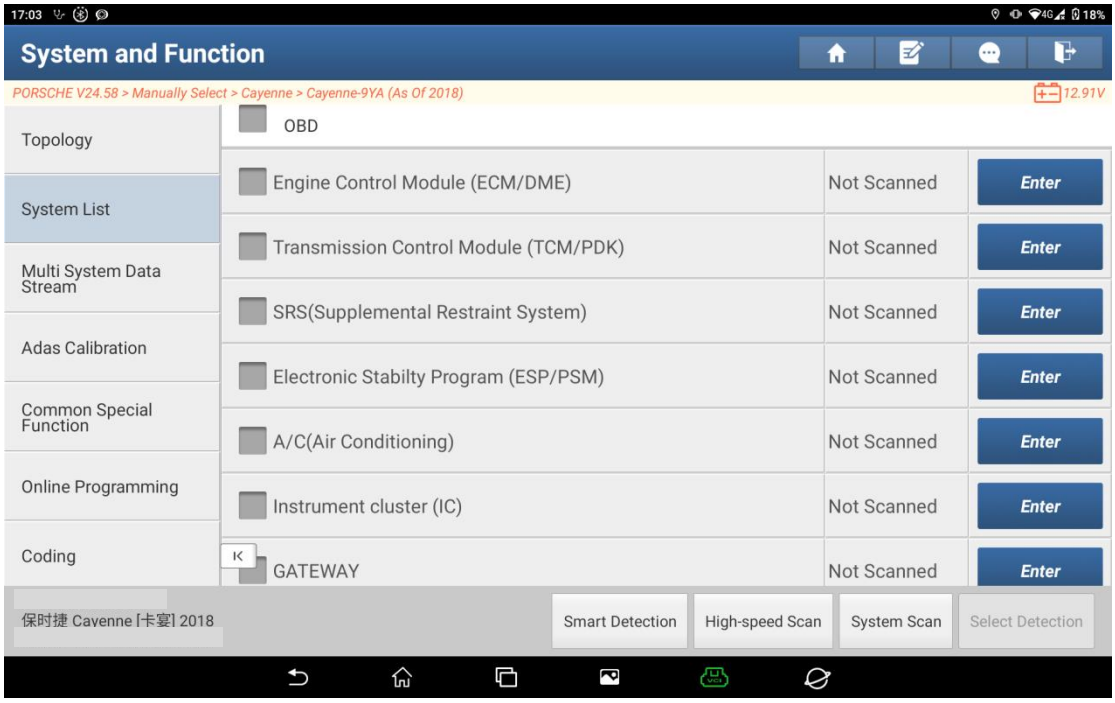
2. Choose [Automatically Search] to automatically identify the vehicle model. You can also manually select the vehicle model via [Manually Select]. If using manual selection, choose [Cayenne] > [Cayenne -9YA (As Of 2018)].



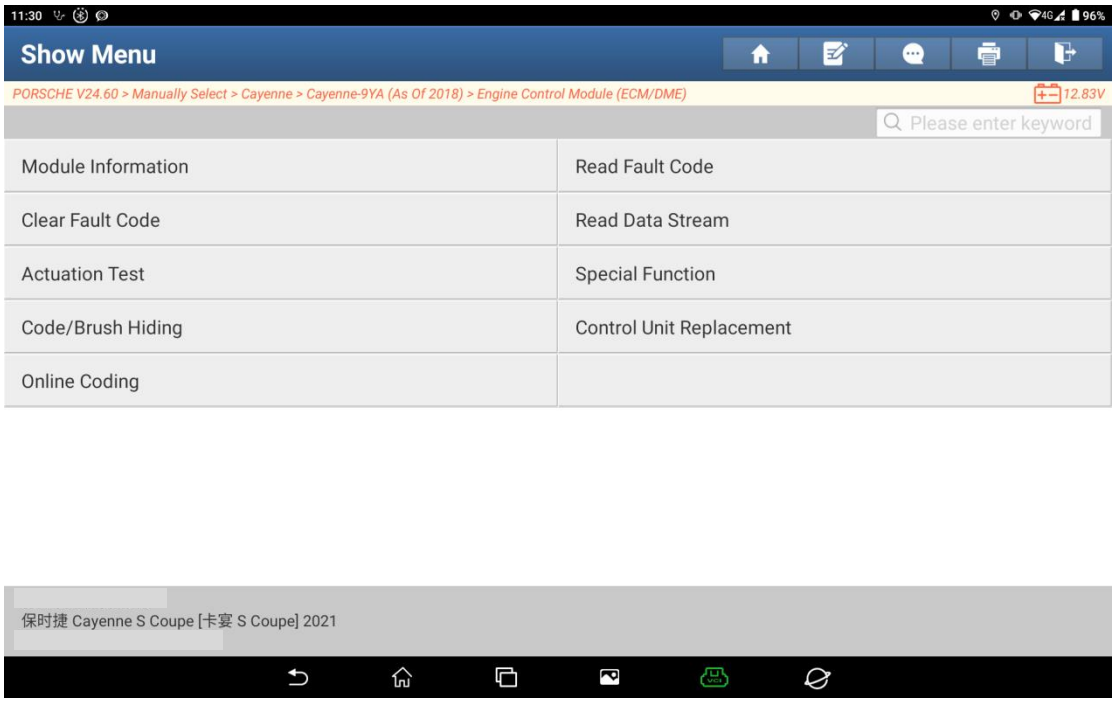


3. Choose [System List], choose [Engine Control Module (ECM/DME)], and then click "Enter".

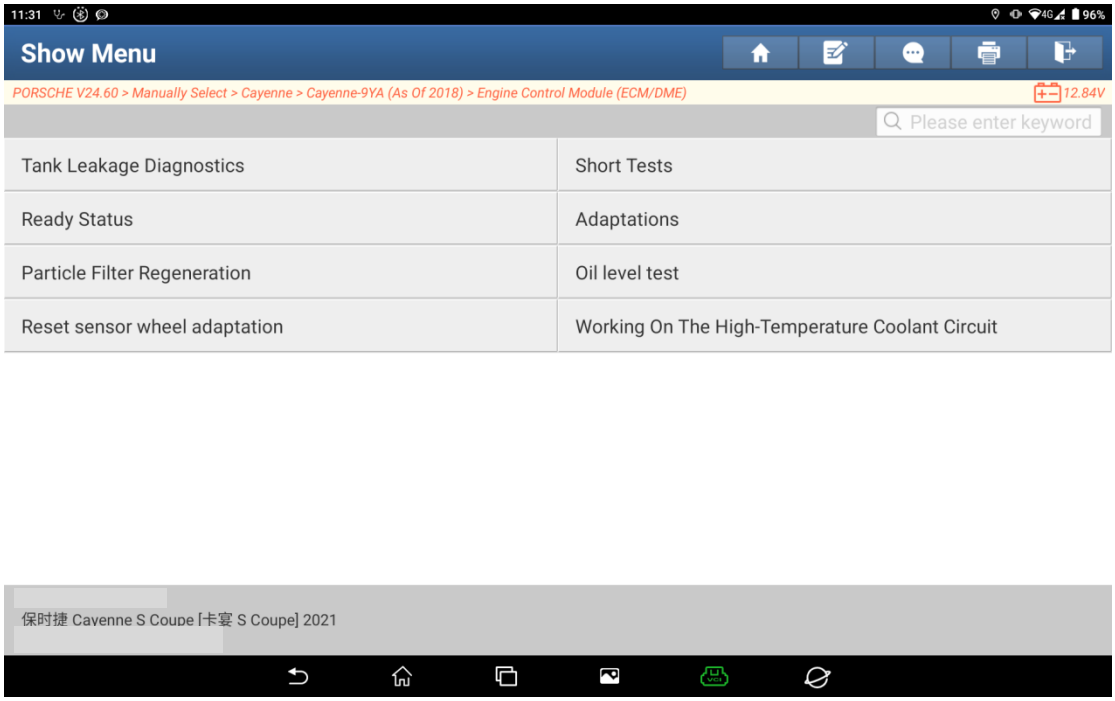




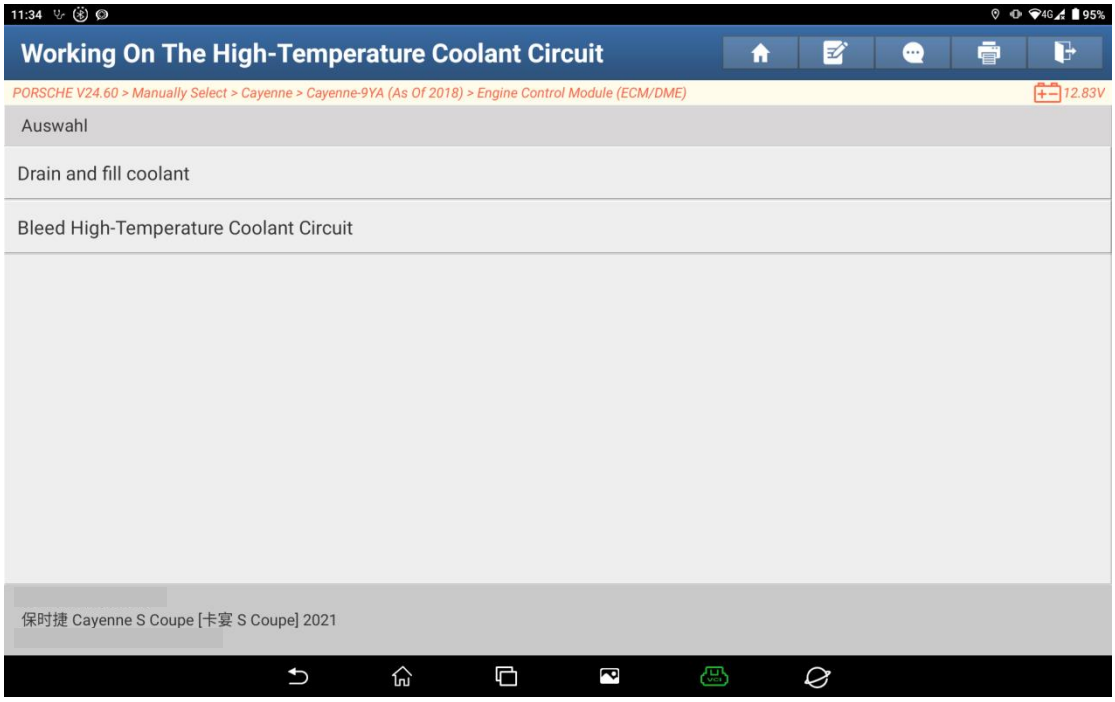
4. Choose [Special Function].



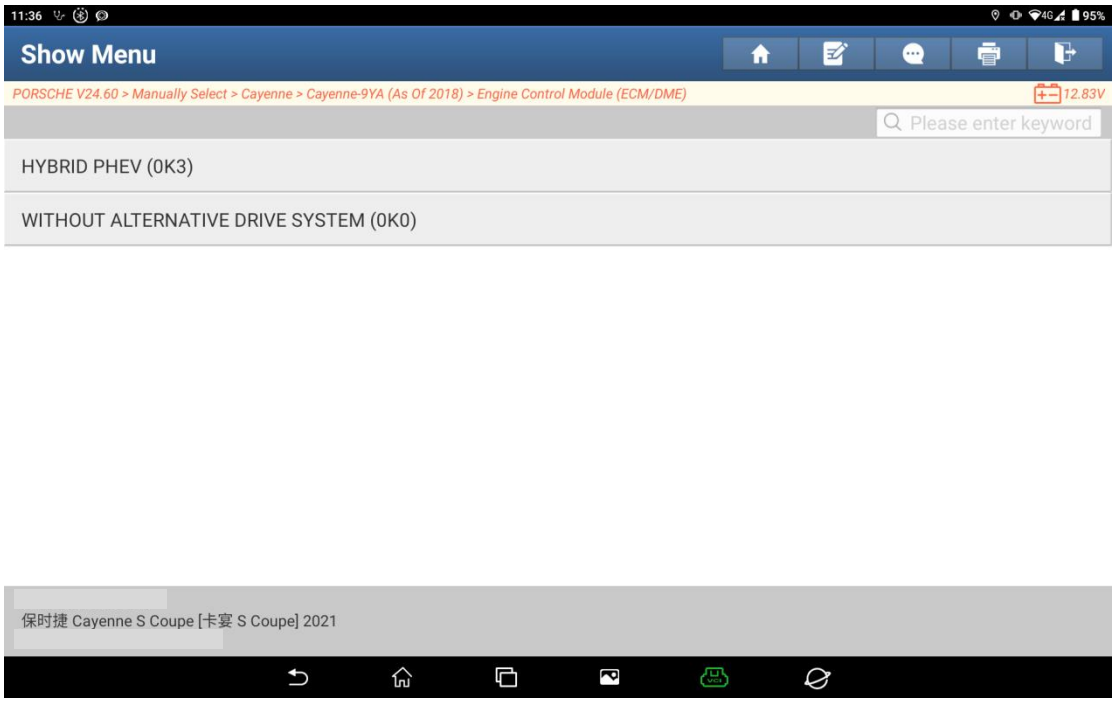
5. Choose [Working On The High-Temperature Coolant Circuit].



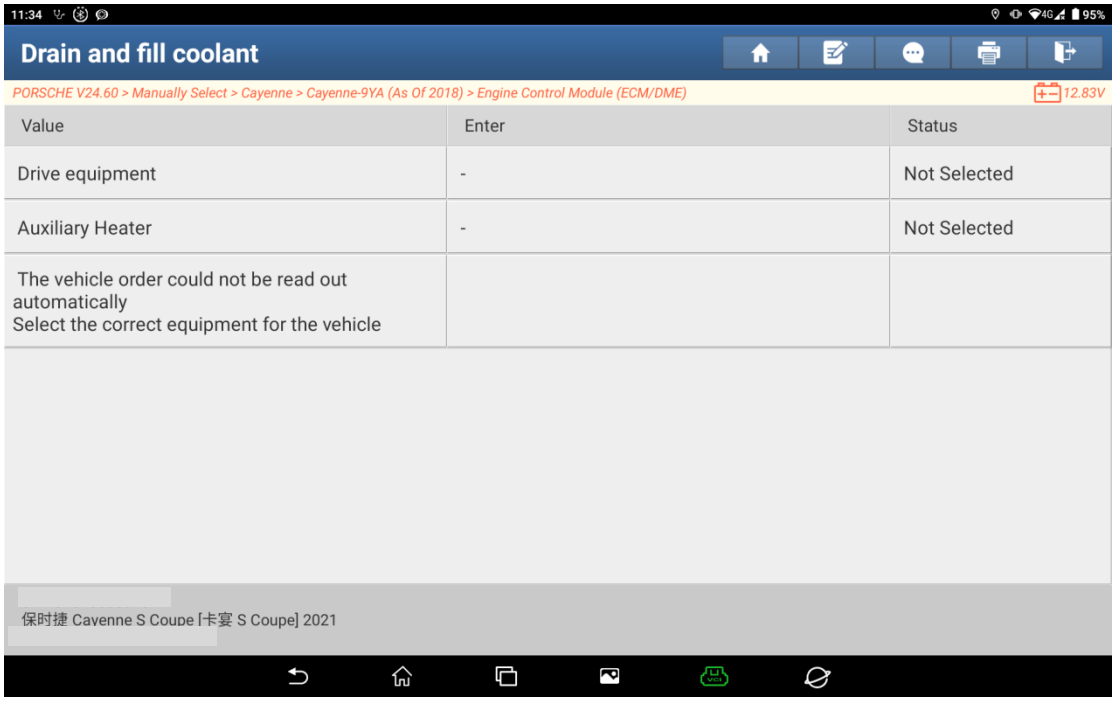
6. Choose [Drain and fill coolant] or [Bleed High-Temperature Coolant Circuit]. The following procedure takes [Bleed High-Temperature Coolant Circuit] as an example.

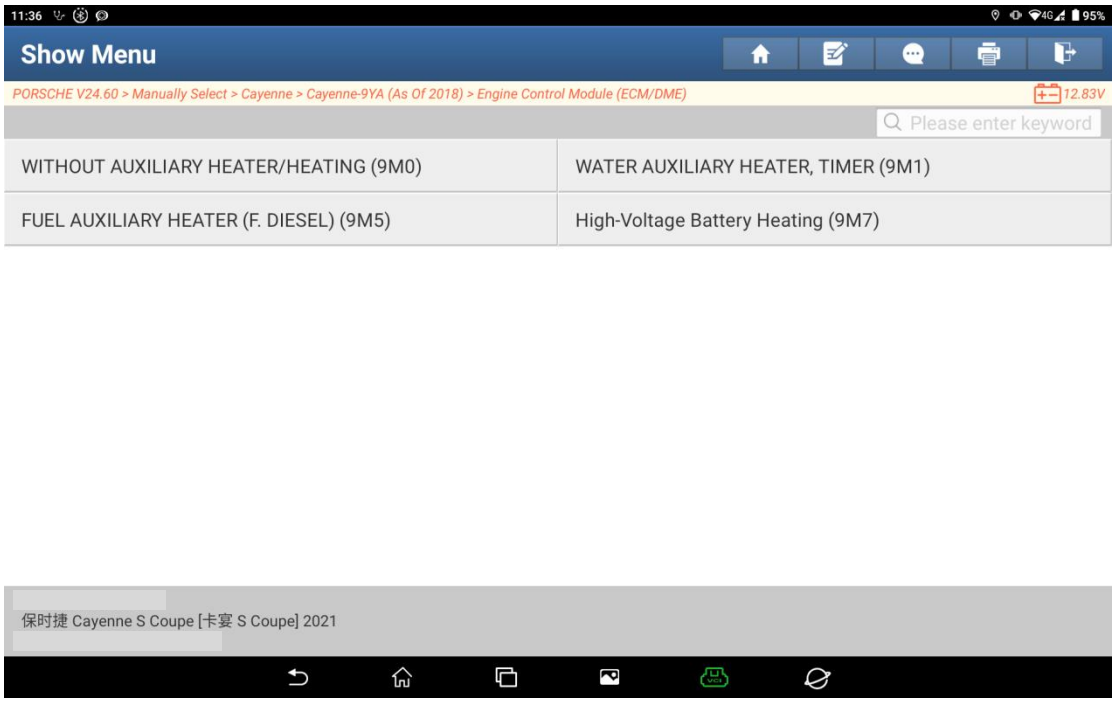


7. Click [Drive equipment] to select the drive system type.

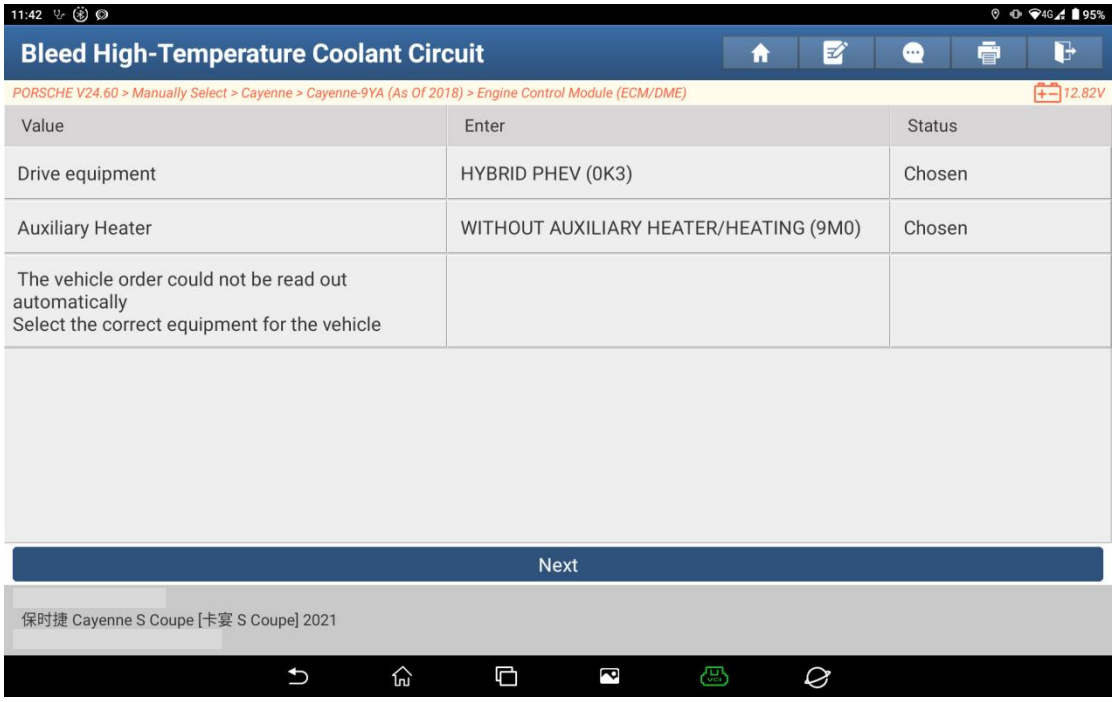


8. Click [Auxiliary Heater] to select the auxiliary heater type.

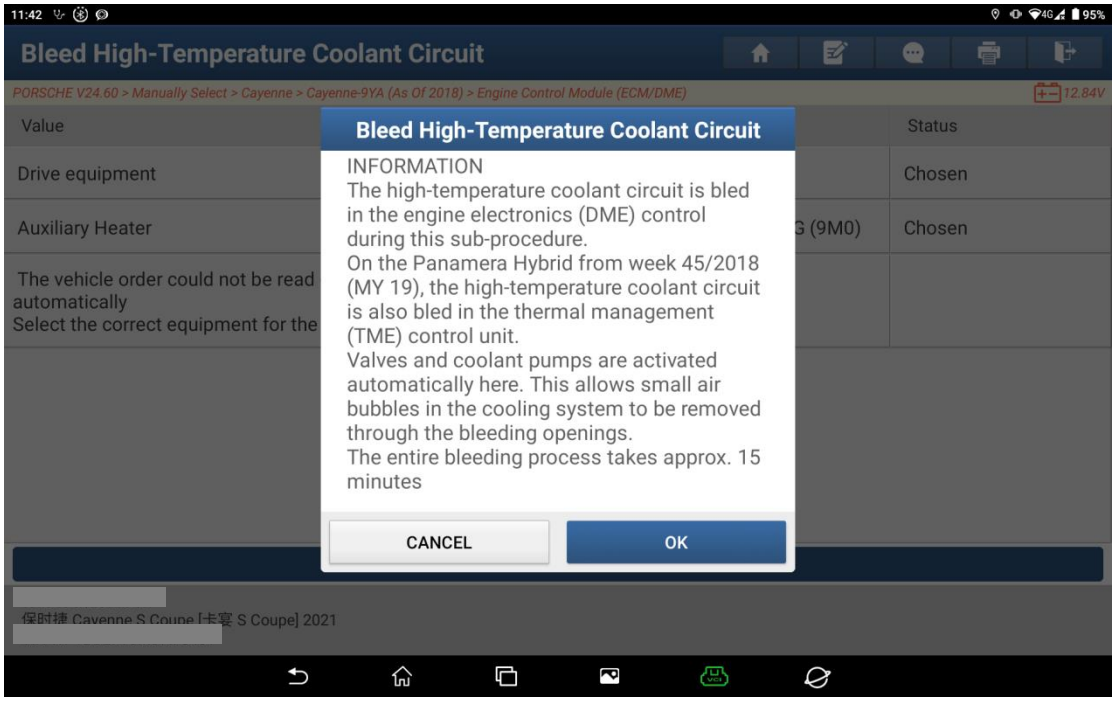




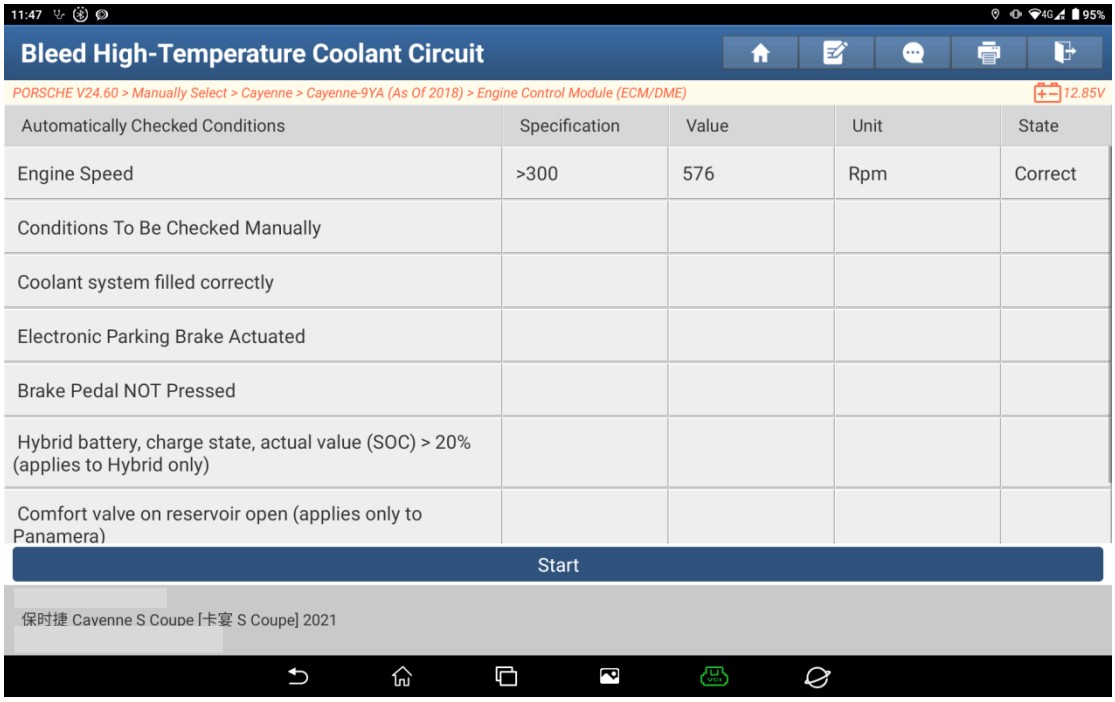
9. Click "Next".



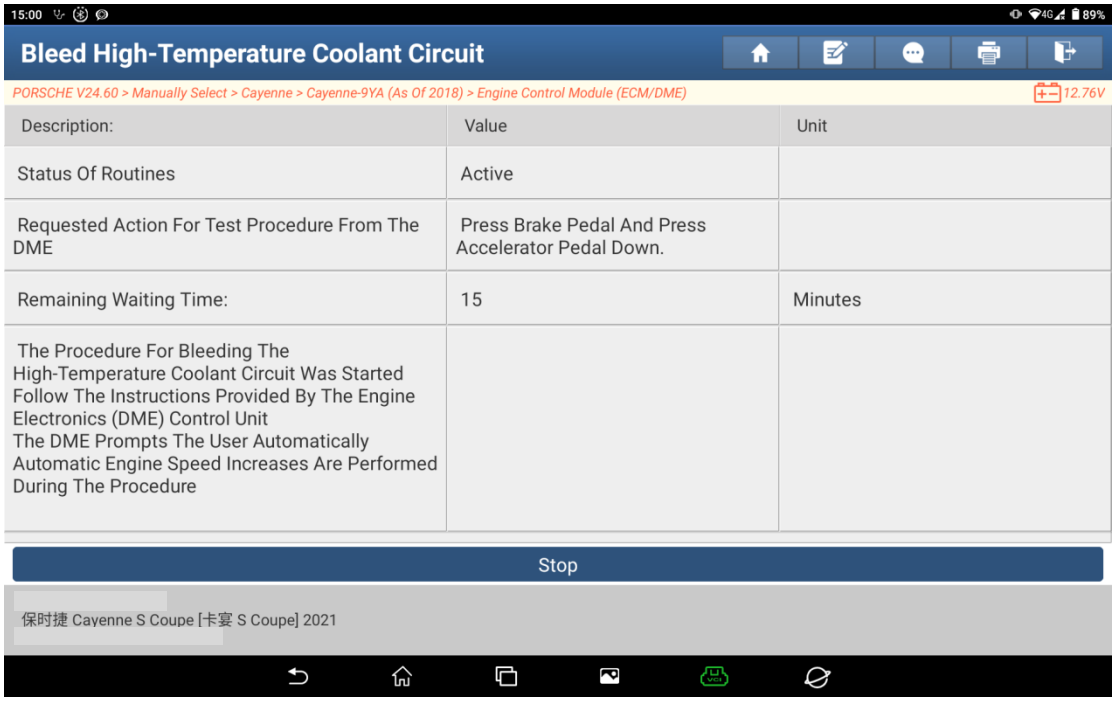
10. Read the overview for "Bleed High-Temperature Coolant Circuit", and then click "OK".



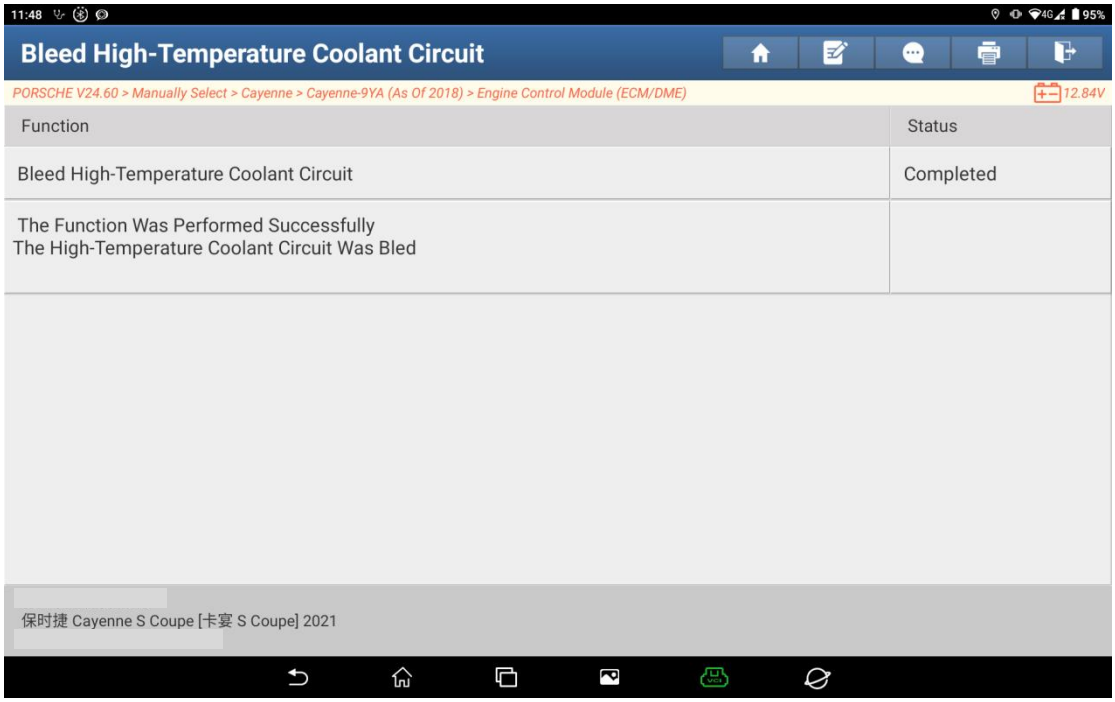
11. Confirm that all prerequisites are met, and then click "Start".



12. Operate the vehicle according to the engine's prompts and wait patiently for the function to complete. The process takes approximately 15 minutes.



13. High-temperature coolant circuit bleeding is completed. Click the Back icon to end the function.



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