DPF Service Regeneration

Tested Model: HYUNDAI TUCSON (NX4e) 2025

Supported Equipment: Launch PRO or PAD series comprehensive diagnostic equipment

Function Description:

This function forcibly removes deposits in the DPF (Diesel Particulate Filter) via the diagnostic tool without any authentication restrictions.

Execution Conditions:

1. Coolant temperature: 70°C or higher
2. Gear lever position
   DCT (Dual-Clutch Transmission): Park or Neutral
   MT (Manual Transmission): Clutch pedal not depressed
3. Engine idling
4. Electrical loads ON (A/C, blower, headlights, etc.)
5. Accelerator pedal not depressed
6. Vehicle stationary
7. Parking brake applied

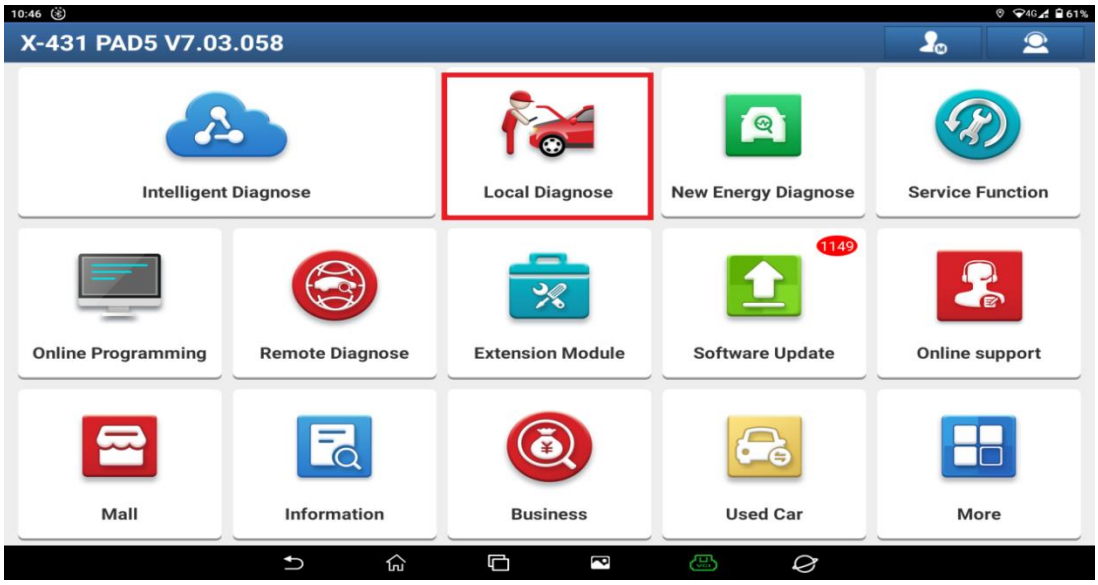
If the engine compartment temperature becomes excessively high during service regeneration, engine components may be damaged.
Therefore, open the hood and remove the engine cover.

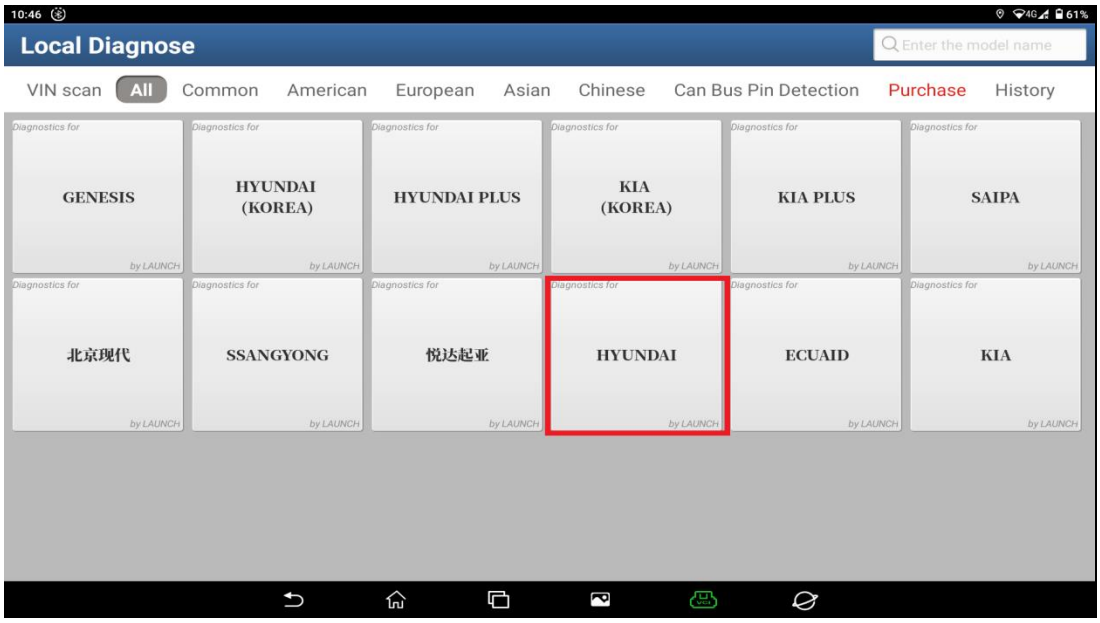
Attention:

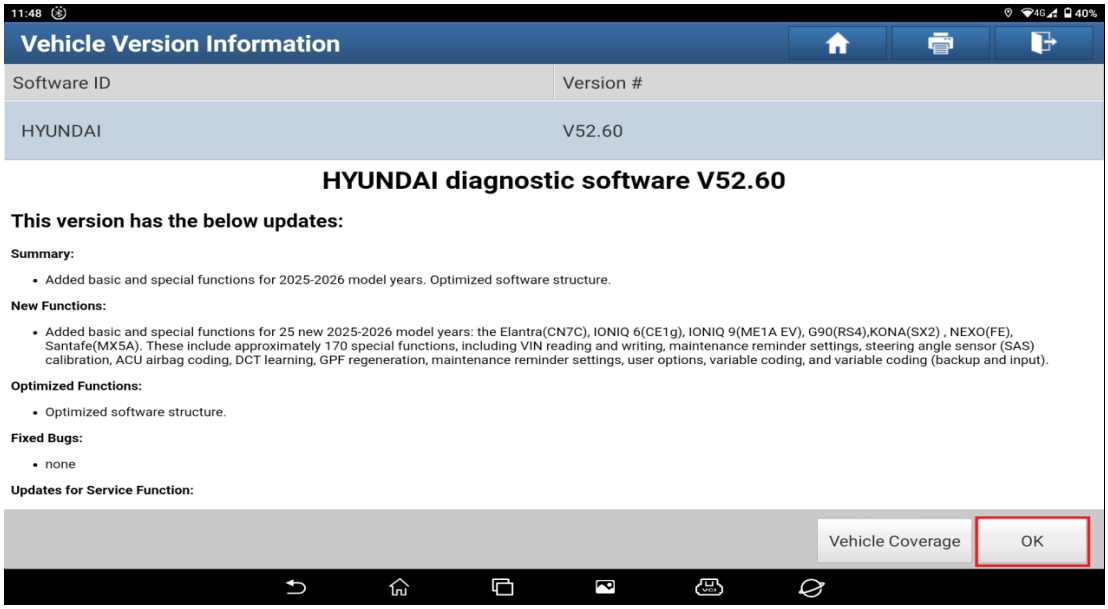
If the DPF soot mass exceeds 35g, the DPF regeneration function may be unavailable. In this case, follow the steps below to re-enable DPF regeneration:
1. Run the DPF replacement function (replace catalytic converter assembly (LNT+DPF)). This function will reset the soot mass value.
2. Turn off the vehicle and allow the engine to cool for 2-3 hours.
3. Start the vehicle and run the DPF regeneration function. Slightly depress the accelerator to warm up the vehicle and avoid reaching the 35g limit again; otherwise regeneration will be blocked once more. The DPF regeneration process will start automatically once coolant temperature reaches 70°C.

Procedure:

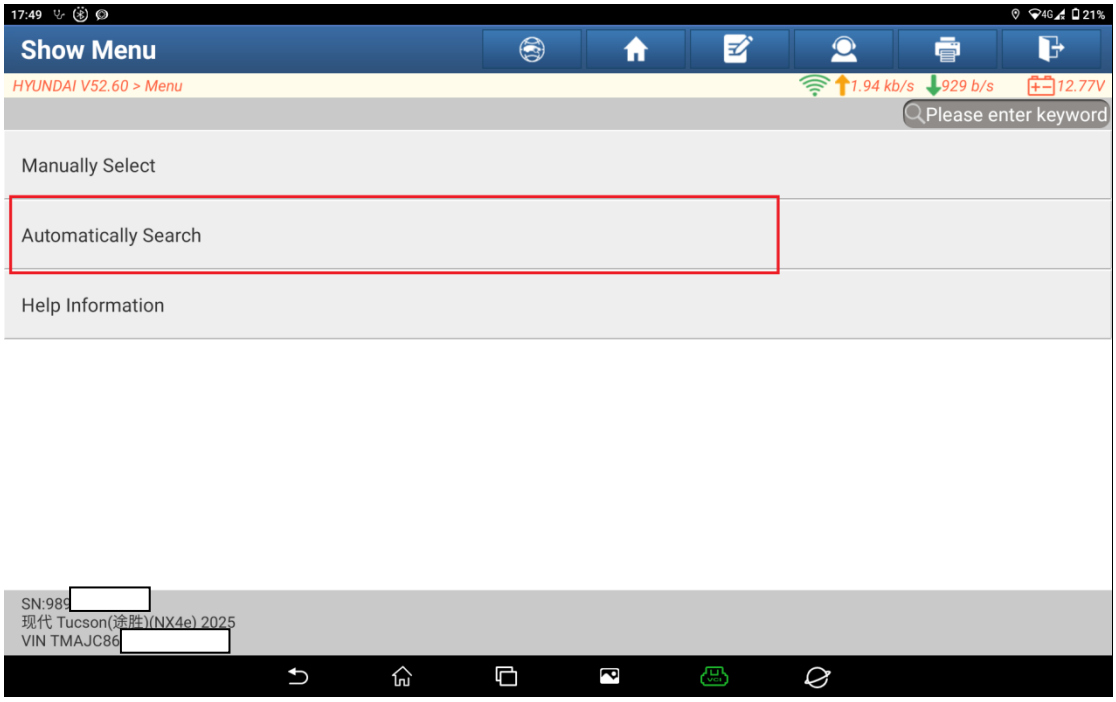
1. On a PAD 5, choose [Local Diagnose], and then choose [HYUNDAI] for testing.


X-431 PAD5 V7.03.058
Intelligent Diagnose
Local Diagnose
New Energy Diagnose
Service Function
Online Programming
Remote Diagnose
Extension Module
Software Update
1149
Online support
Mall
Information
Business
Used Car
More

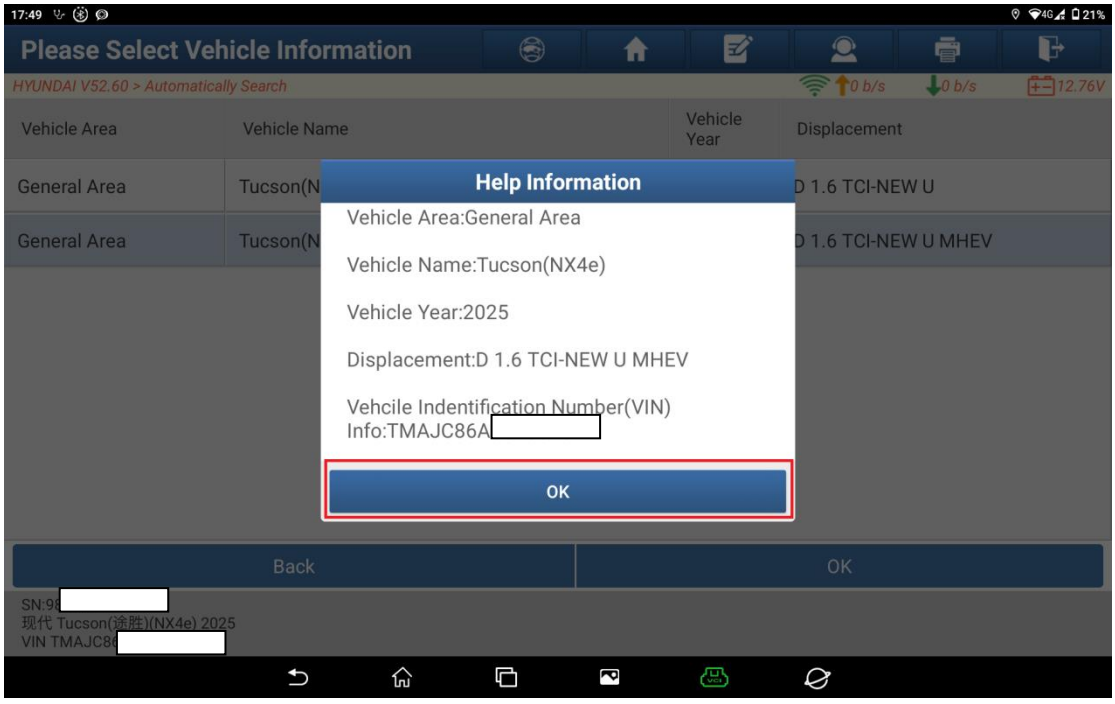

Local Diagnose
Enter the model name
VIN scan
All
Common
American
European
Asian
Chinese
Can Bus Pin Detection
Purchase
History
GENESIS
HYUNDAI (KOREA)
HYUNDAI PLUS
KIA (KOREA)
KIA PLUS
SAIPA
北京现代
SSANGYONG
悦达起亚
HYUNDAI
ECUAID
KIA


Vehicle Version Information
Software ID
Version #
HYUNDAI
V52.60
HYUNDAI diagnostic software V52.60
This version has the below updates:
Summary:
Added basic and special functions for 2025-2026 model years. Optimized software structure.
New Functions:
Added basic and special functions for 25 new 2025-2026 model years: the Elantra(CN7C), IONIQ 6(CE1g), IONIQ 9(ME1A EV), G90(RS4),KONA(SX2) , NEXO(FE), Santafe(MX5A). These include approximately 170 special functions, including VIN reading and writing, maintenance reminder settings, steering angle sensor (SAS) calibration, ACU airbag coding, DCT learning, GPF regeneration, maintenance reminder settings, user options, variable coding, and variable coding (backup and input).
Optimized Functions:
Optimized software structure.
Fixed Bugs:
none
Updates for Service Function:
Vehicle Coverage
OK

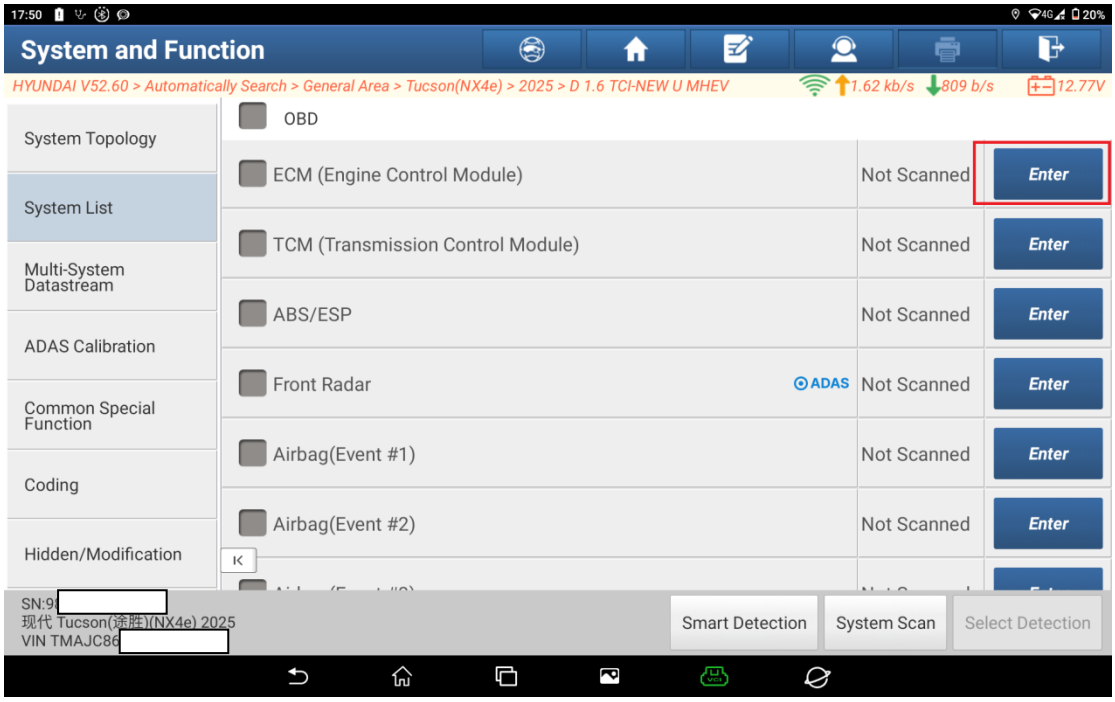
2. Choose [Automatically Search] to identify the vehicle model.



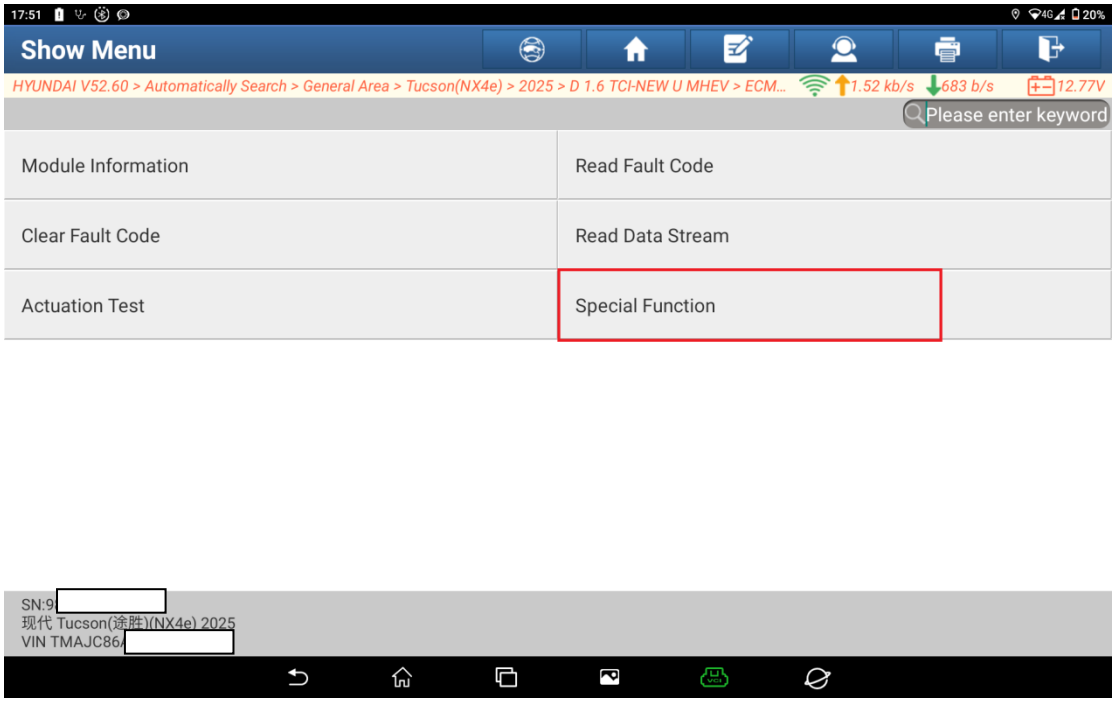
3. Confirm the vehicle information, and then click "OK".



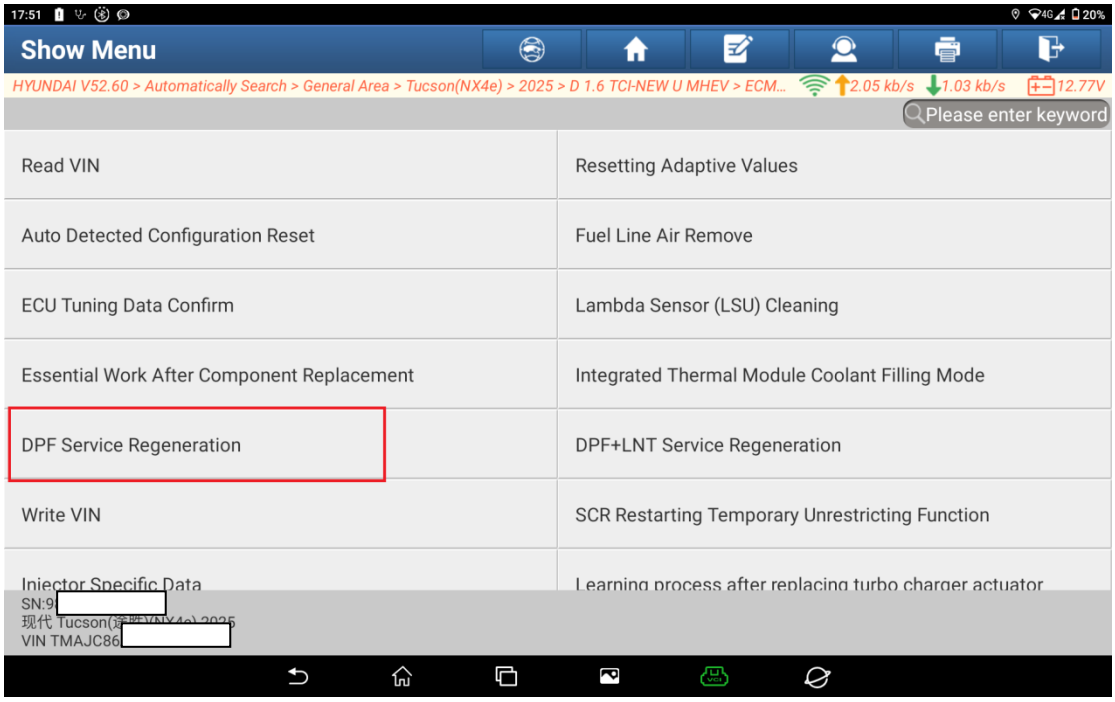
4. Choose [ECM (Engine Control Module)] and click "Enter".



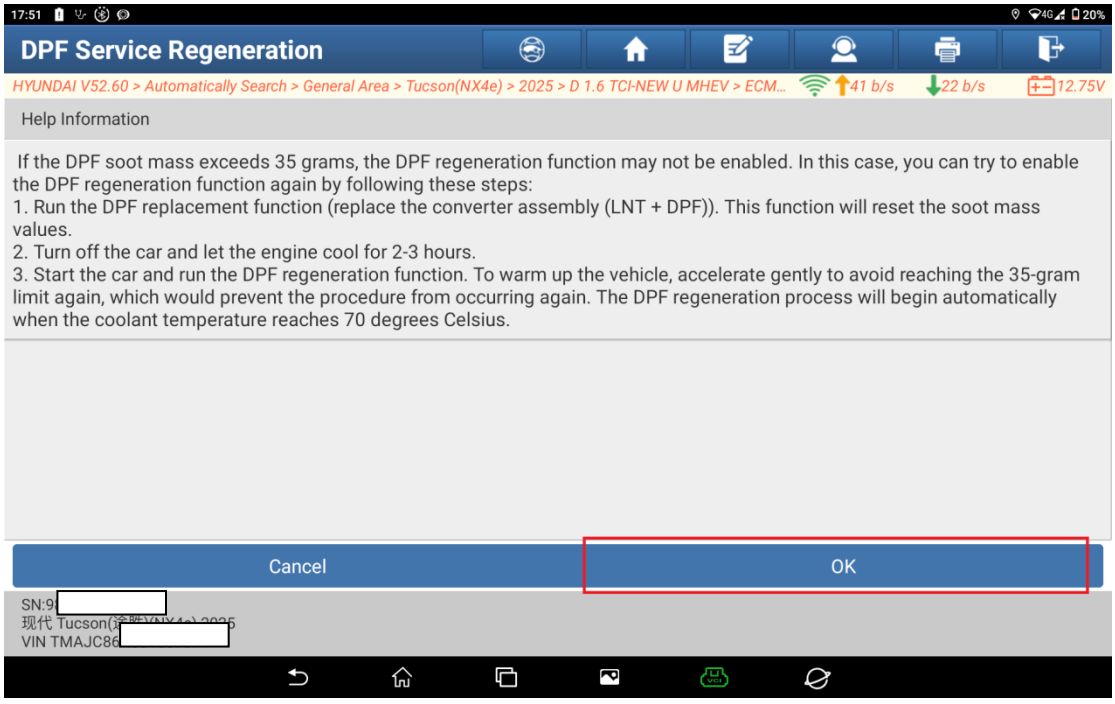
5. Choose [Special function].



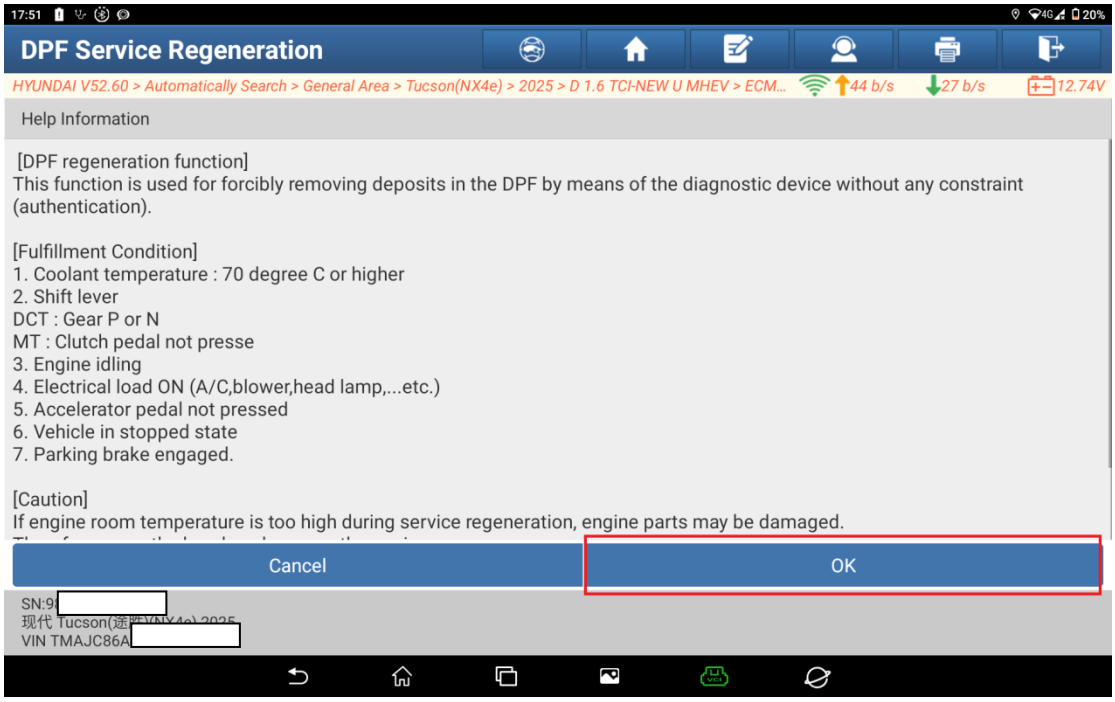
6. Choose [DPF Service Regeneration].



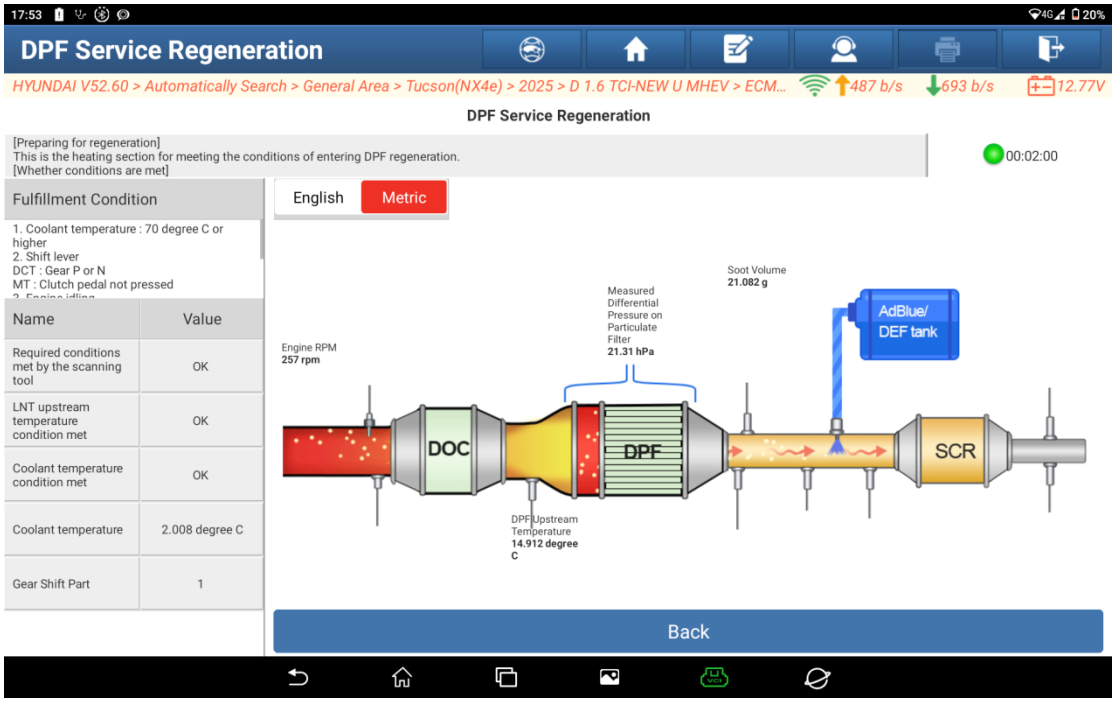
7. View the help information and click "OK".



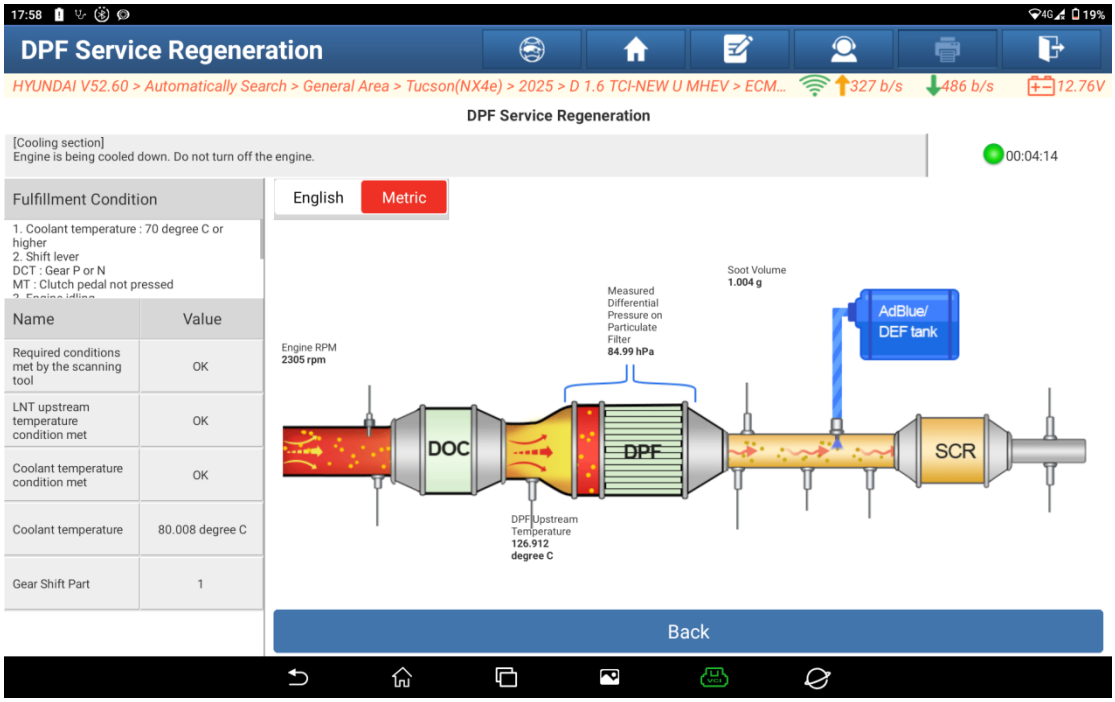
8. After confirming the execution conditions, click "OK".



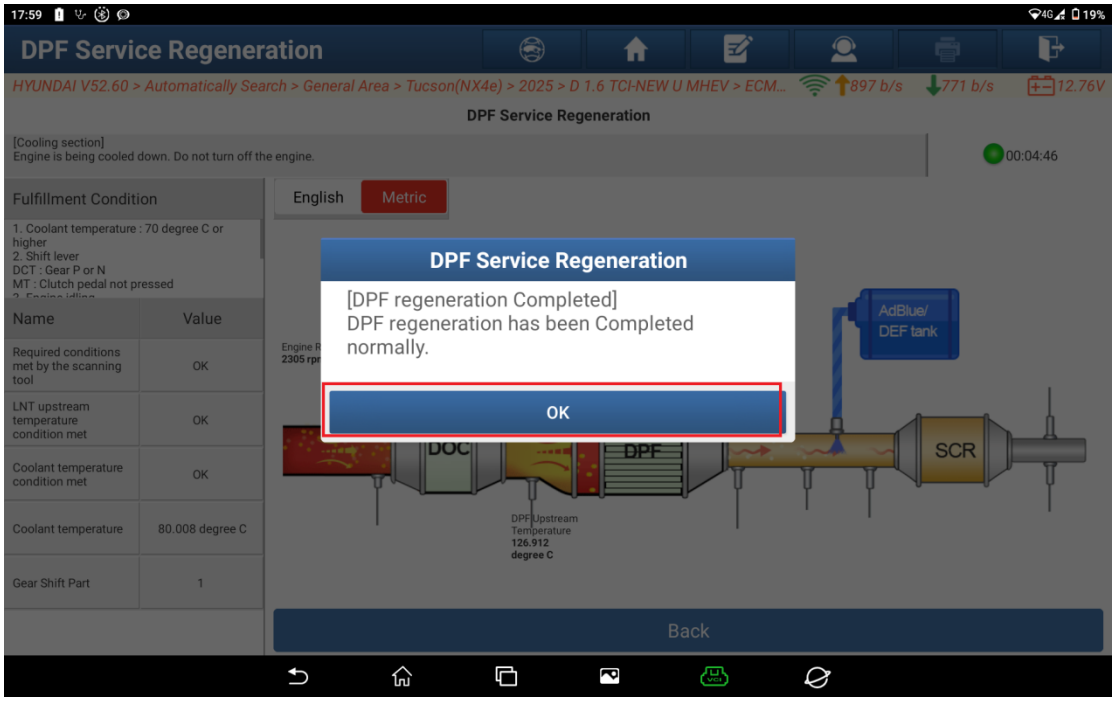
9. The function starts and enters the heating phase.



10. Upon completion of the heating phase, the process proceeds to the cooling phase.



11. Function completed. Click "OK".



Statement: