

Electric Throttle Relearn

Tested Model: BENZ GLC(253) 2017

Function Description:

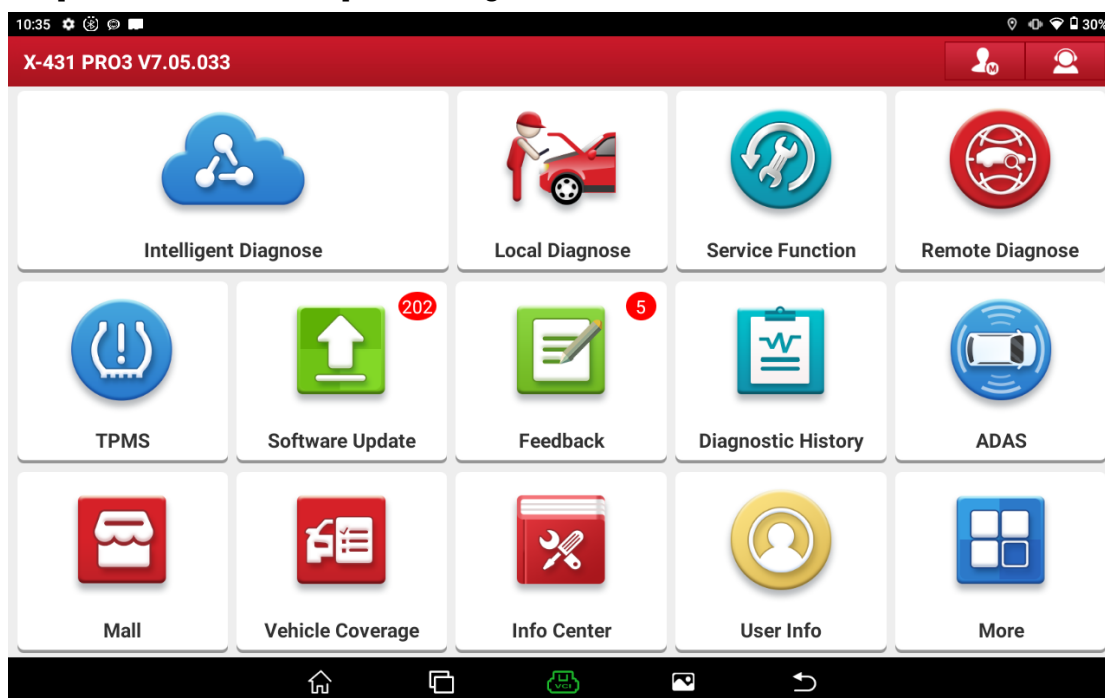
This operation document applies to throttle position learning for gasoline engine systems.

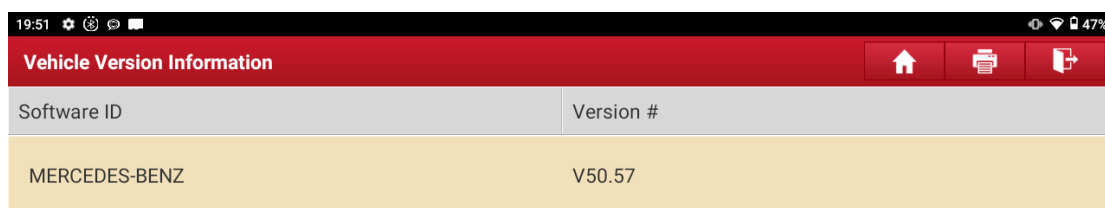
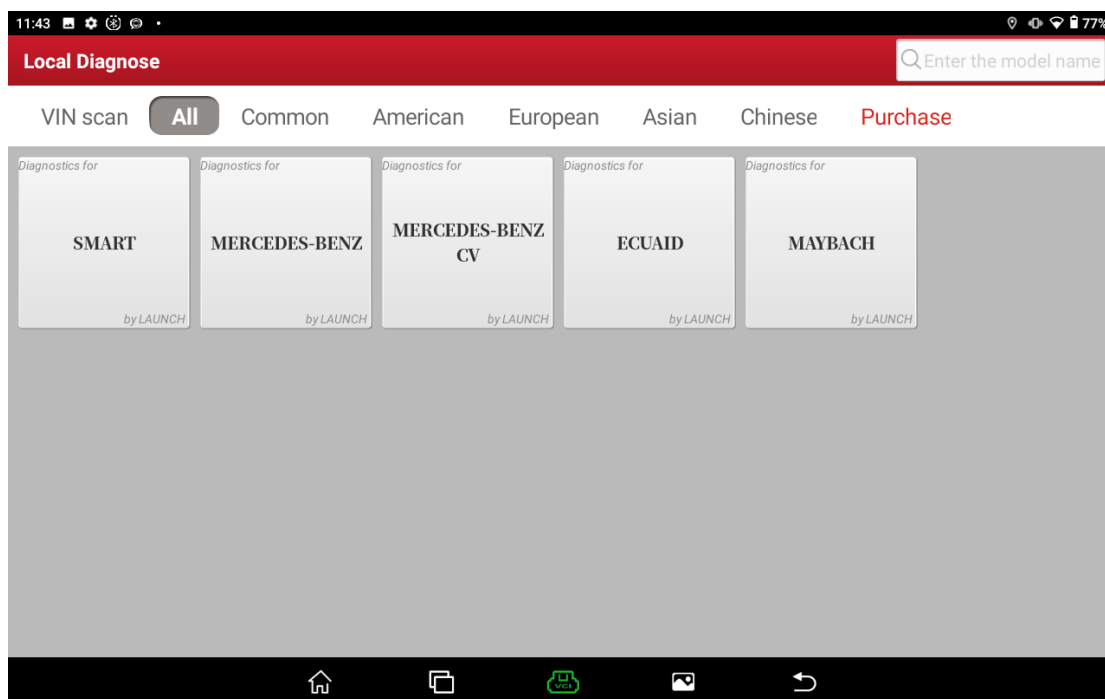
The throttle position learning function is required in the following scenarios:

- Throttle cleaned
- Throttle replaced
- Throttle fault repaired

Procedure:

1. On an X-431 PROV5, choose [Local Diagnose], and then choose [MERCEDES-BENZ] for testing.





Mercedes-Benz Diagnostic Software V50.57

Software Introduction

Basic functions include:

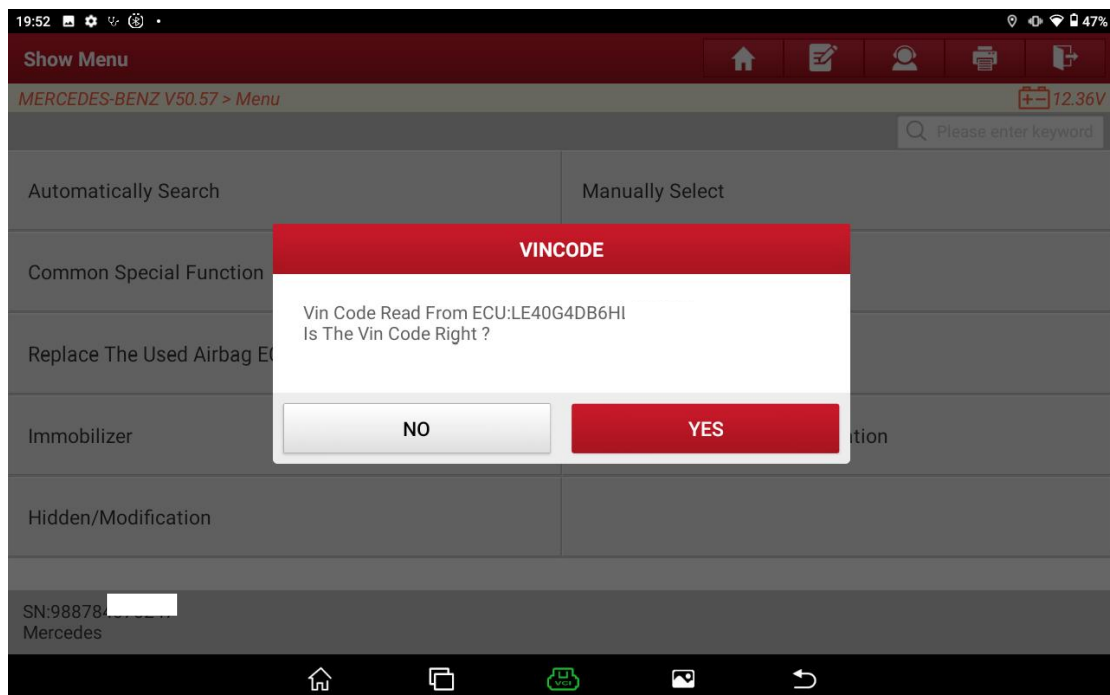
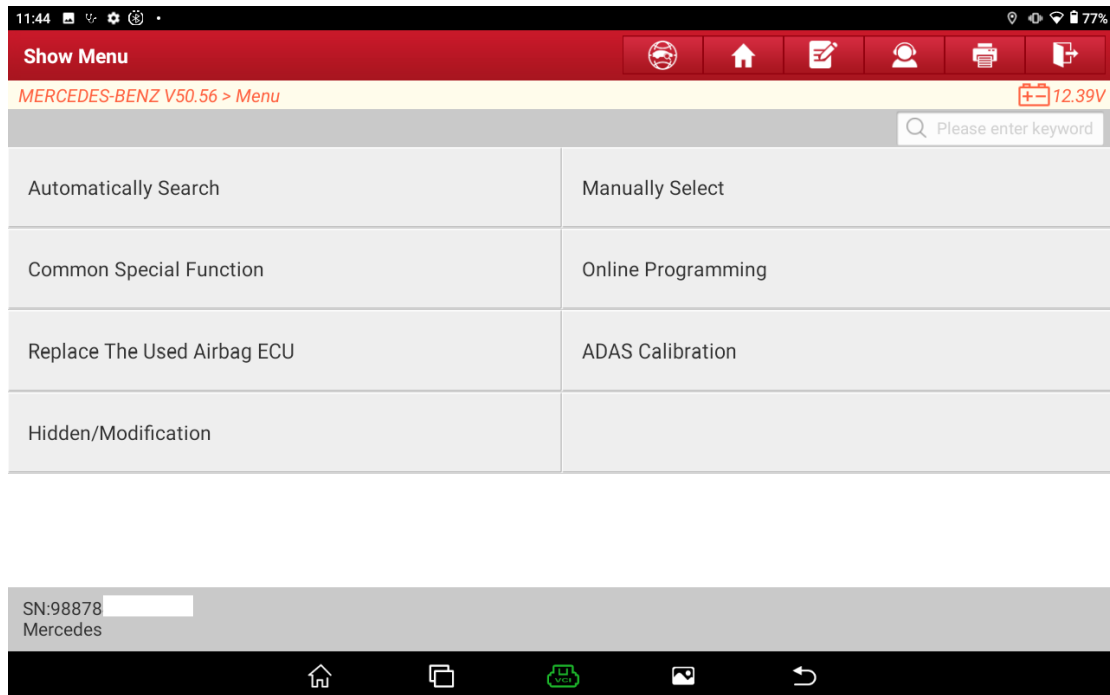
- Reading ECU information
- Reading DTCs
- Clearing DTCs
- Reading data stream
- movement test

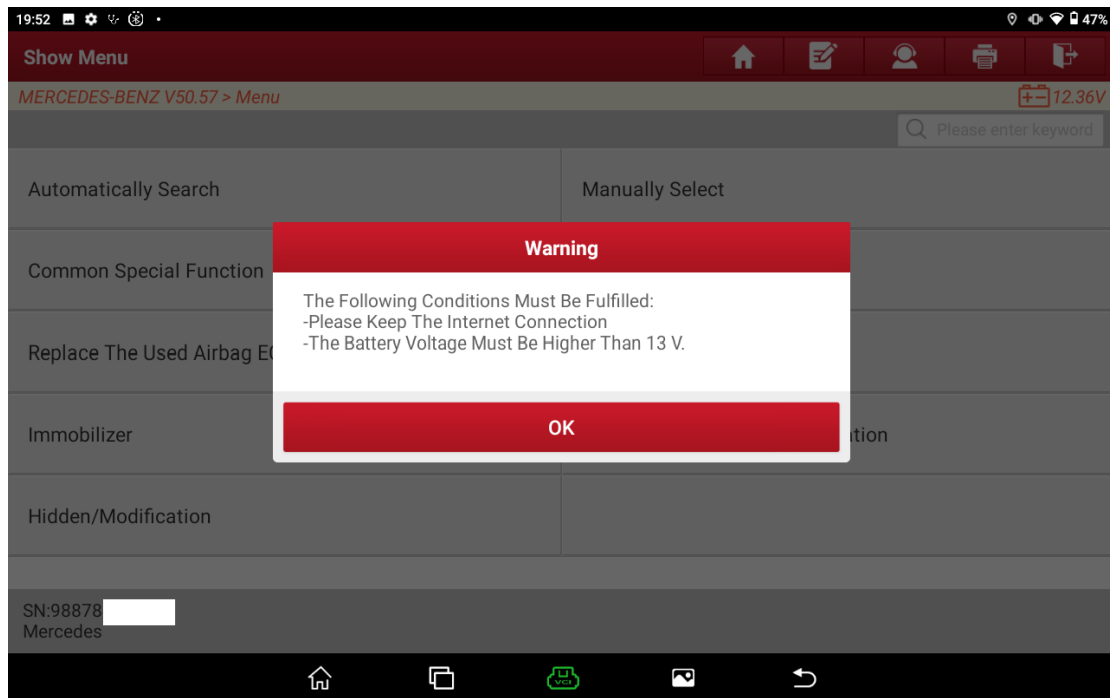
Special functions include:

- Adjustment of injector injection quantities
- Reset quantity mean value adaptation data
- Learning of throttle minimum position
- Service maintenance

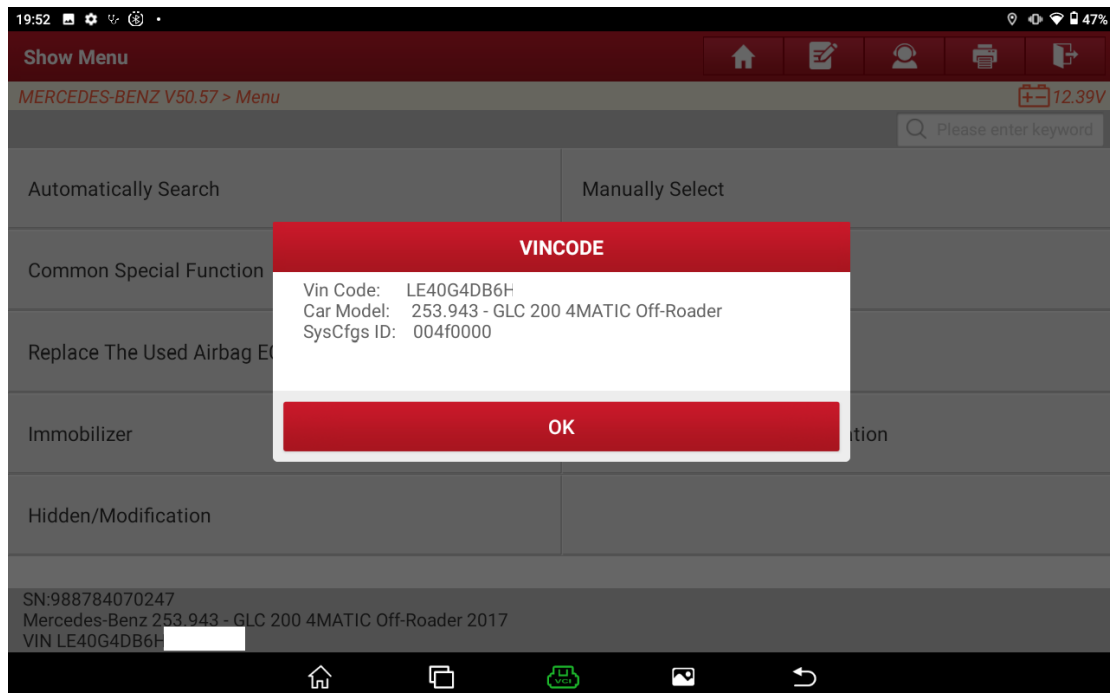


2. Choose [Automatically Search] to read the VIN automatically. Choose "YES" to proceed with the test, and then choose "OK".

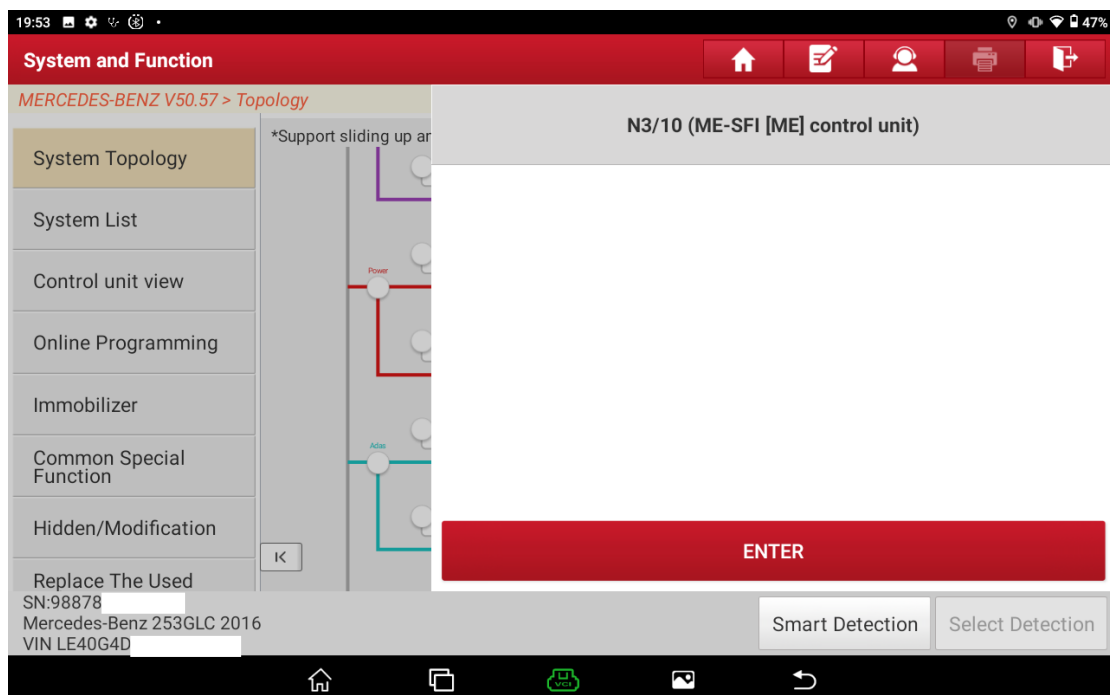
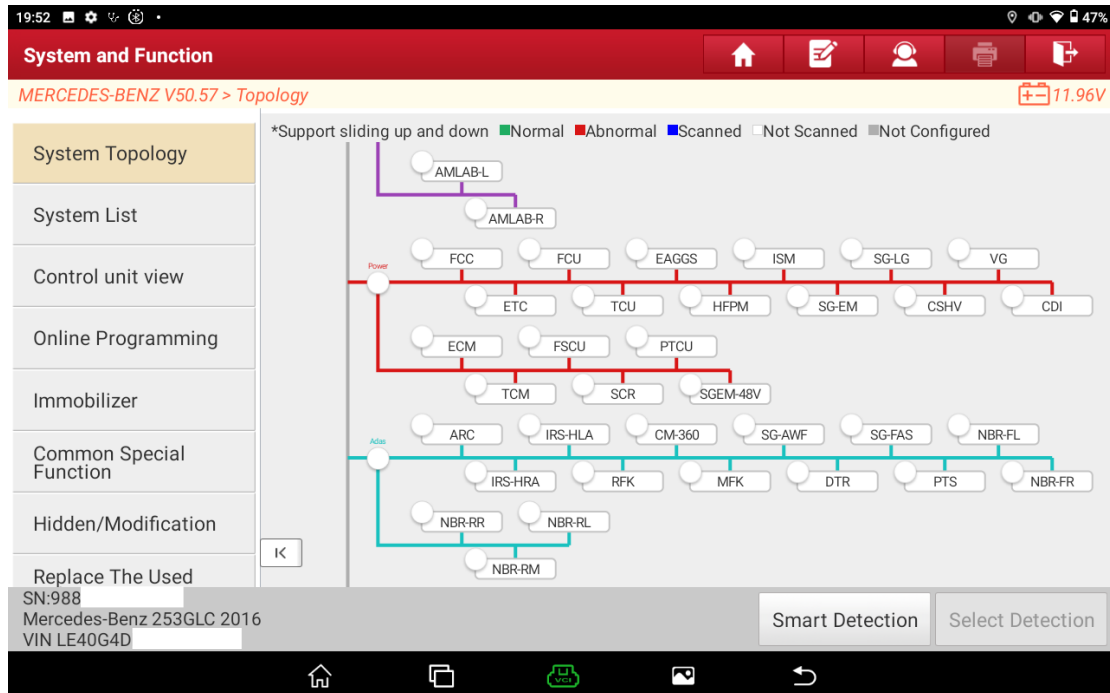




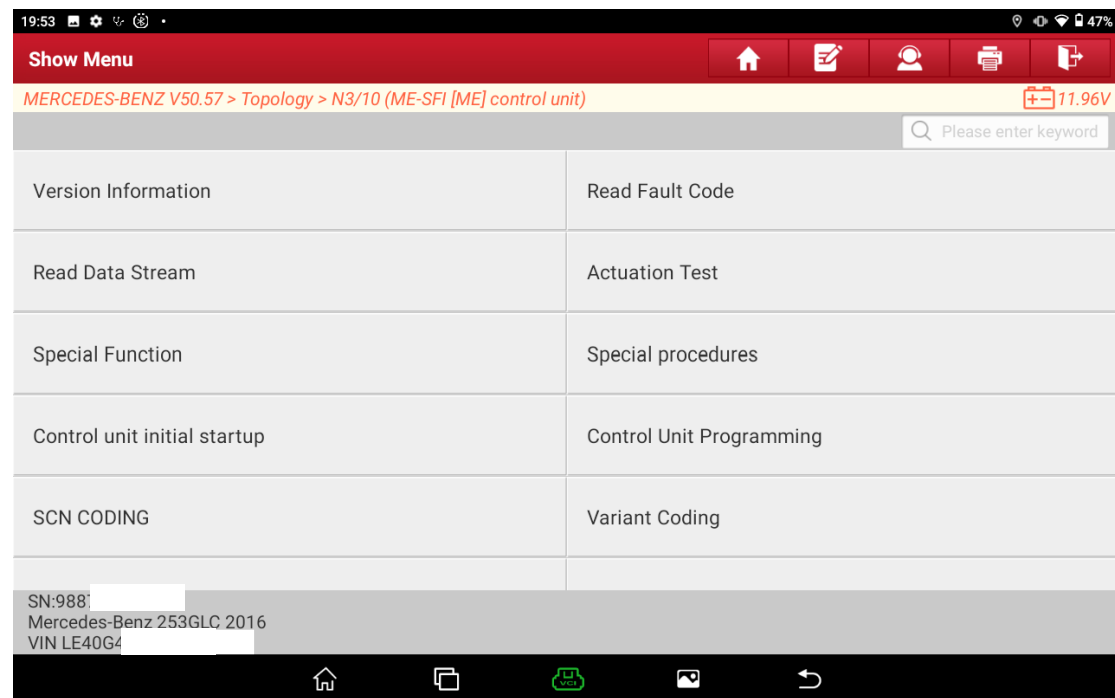
3. Confirm the vehicle model and then choose "OK".



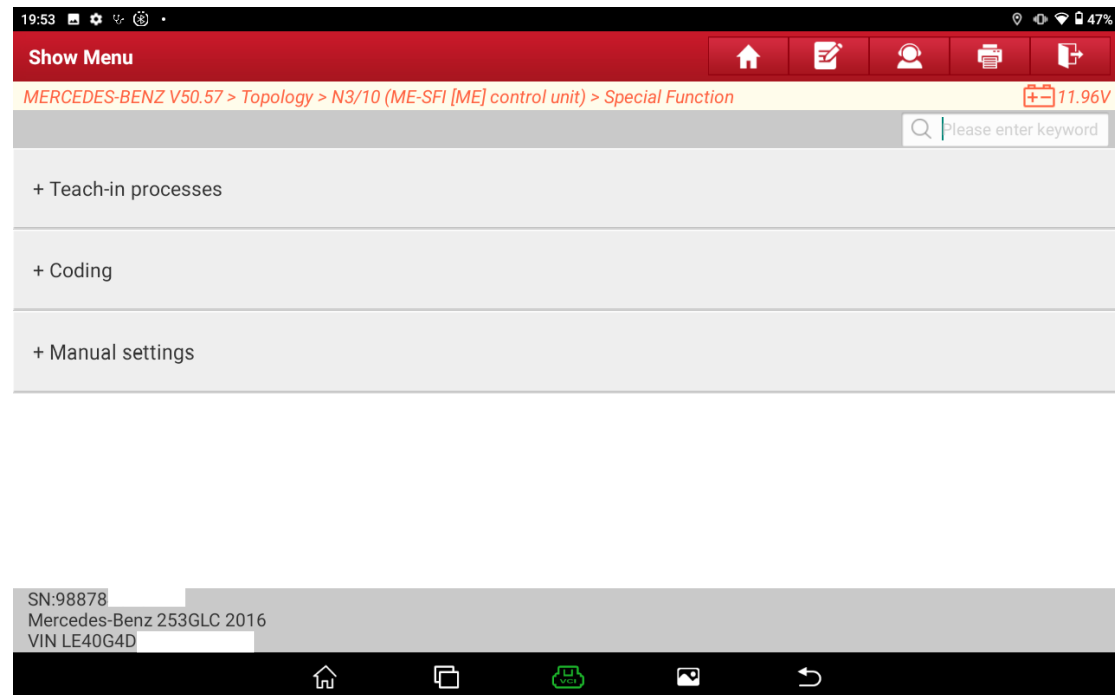
4. Choose [ECM]. The menu [N3/10 (ME-SFI [ME] control unit)] is displayed. Choose "ENTER".



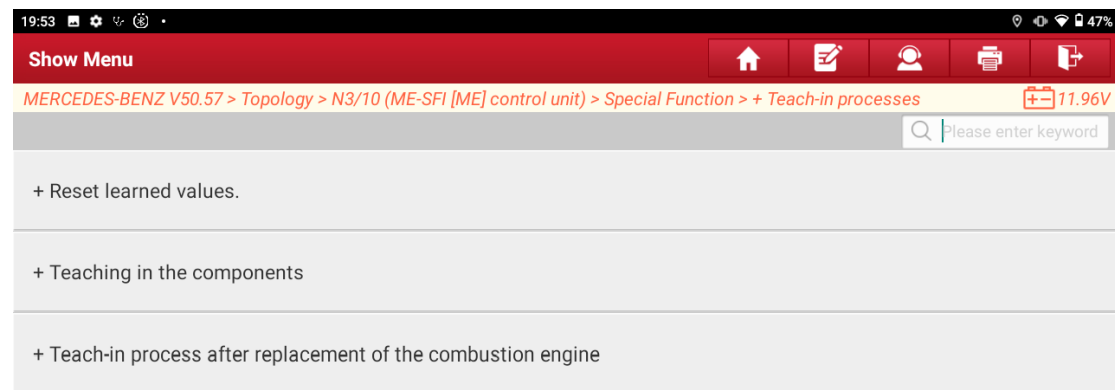
5. Choose [Special Function].



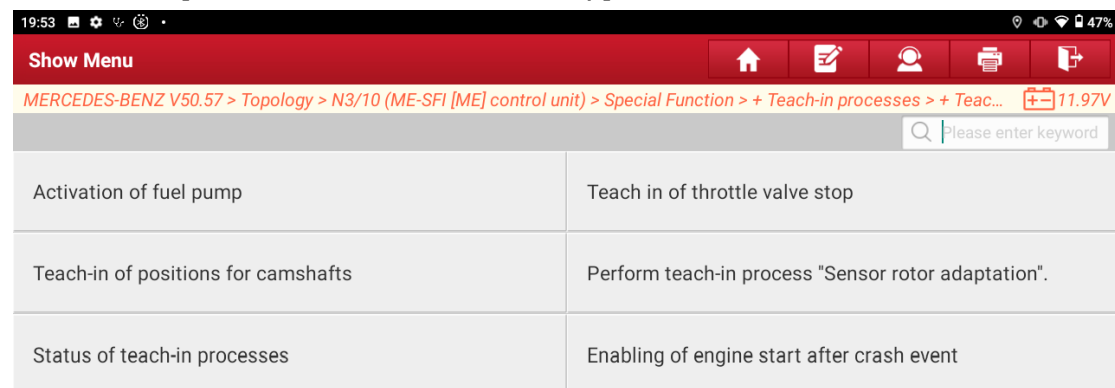
6. Choose [Teach-in processes].



7. Choose [Teaching in the components].



8. Choose [Teach in of throttle valve stop].



9. Read the prompts and operate the vehicle so that the data streams meet the standard values. Then, choose "Continue".

19:54 100% 47%

MERCEDES-BENZ V50.57 > Topology > N3/10 (ME-SFI [ME] control unit) > Special Function > + Teach-in processes > + Teac... 11.97V

Requirements		
-Ignition ON		
-Combustion engine AT STANDSTILL		
-Accelerator pedal NOT OPERATED		
Status of associated actual values		
Engine speed	0 1/min	<= 10

Continue

SN:988784
Mercedes-Benz 253GLC 2016
VIN LE40G4DB

19:54 100% 47%

MERCEDES-BENZ V50.57 > Topology > N3/10 (ME-SFI [ME] control unit) > Special Function > + Teach-in processes > + Teac... 11.96V

B11/4 (Coolant temperature sensor)	83.25 degC	[5 ~ 100]
B17/7 (Charge air temperature sensor upstream of throttle valve)	35.25 degC	<= 40
B37 (Accelerator pedal sensor)	0 %	<= 5
Note		
-Continue with button "Continue"		

Continue

SN:98878
Mercedes-Benz 253GLC 2016
VIN LE40G4

10. Read the prompts and choose "START" to begin the learning process.

19:54 [Icons] 47%

MERCEDES-BENZ V50.57 > Topology > N3/10 (ME-SFI [ME] control unit) > Special Function > + Teach-in processes > + Teac... 11.97V

The following teach-in process is performed:		
-Teach in of throttle valve stop		
Status of component "M16/6 (Throttle valve actuator)"	NO	YES
Note		
START: Start teach-in process.		

Continue START

SN:98878
Mercedes-Benz 253GLC 2016
VIN LE40G4DB6

[Icons]

19:55 [Icons] 47%

MERCEDES-BENZ V50.57 > Topology > N3/10 (ME-SFI [ME] control unit) > Special Function > + Teach-in processes > + Teac... 11.96V

The following teach-in process is performed:		
-Teach in of throttle valve stop		
Status of component "M16/6 (Throttle valve actuator)"	NO	YES
The teach-in process has been started.		
The teach-in process is running ... >>>>>>>		

Continue

SN:98878
Mercedes-Benz 253GLC 2016
VIN LE40G4DB6

[Icons]

12. Read the prompts. After learning is successful, choose "Continue".

19:54 [status icons] 47%

HOME [edit] [help] [print] [share]

MERCEDES-BENZ V50.57 > Topology > N3/10 (ME-SFI [ME] control unit) > Special Function > + Teach-in processes > + Teac... 11.96V

The following teach-in process is performed:		
-Teach in of throttle valve stop		
Status of component "M16/6 (Throttle valve actuator)"	YES	YES
The teach-in process was completed successfully.		

Continue

SN:9887E
Mercedes-Benz 253GLC 2016
VIN LE40G4DB6

HOME [copy] [test] [photo] [refresh]

19:55 [status icons] 47%

Control unit reset [home] [edit] [help] [print] [share]

MERCEDES-BENZ V50.57 > Topology > N3/10 (ME-SFI [ME] control unit) > Special Function > + Teach-in processes > + Teac... 11.96V

The control unit reset is being performed; please wait ...

HOME [copy] [test] [photo] [refresh]

11. After the system reset is completed, return to the function menu.

Statement:

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