



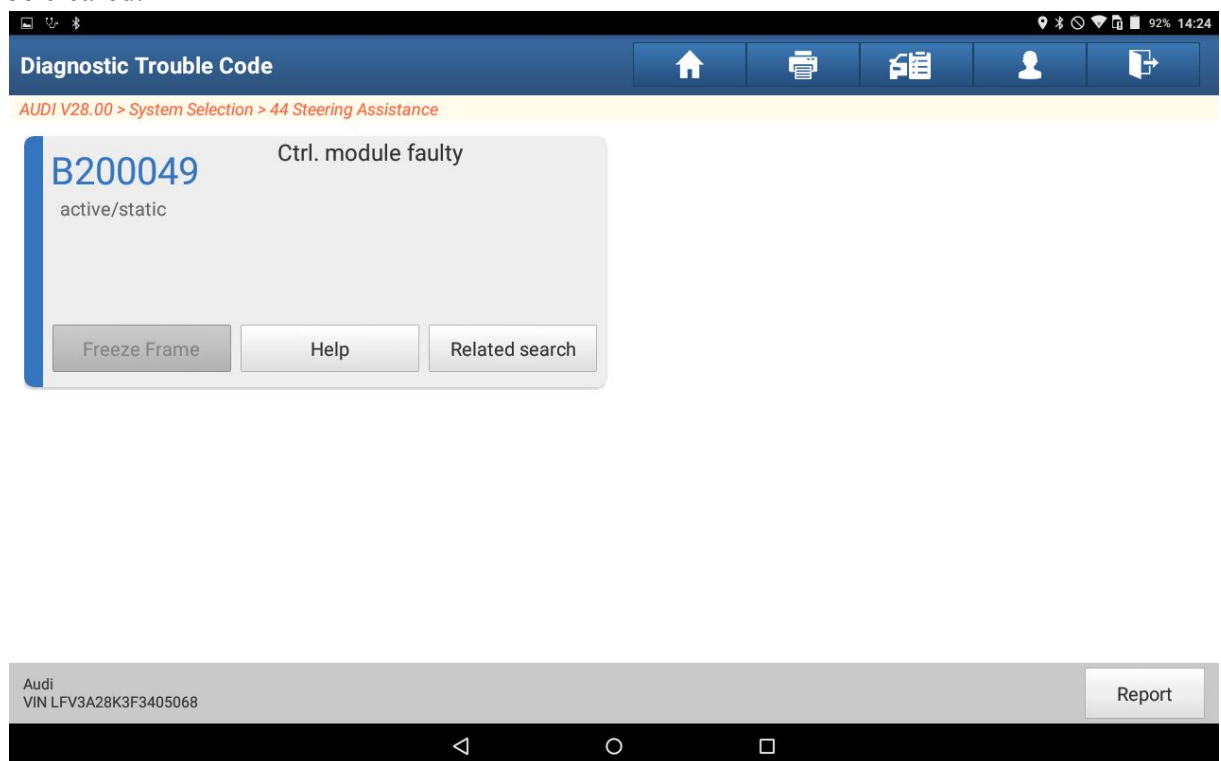
## **The operation instructions: Audi A4L 44 Power Steering System Software refresh and Parameter Settings**

### **Measured model:**

Audi A4L, VIN code : LFV3A28K3F340\*\*\*\*

### **[Background of performing this function]**

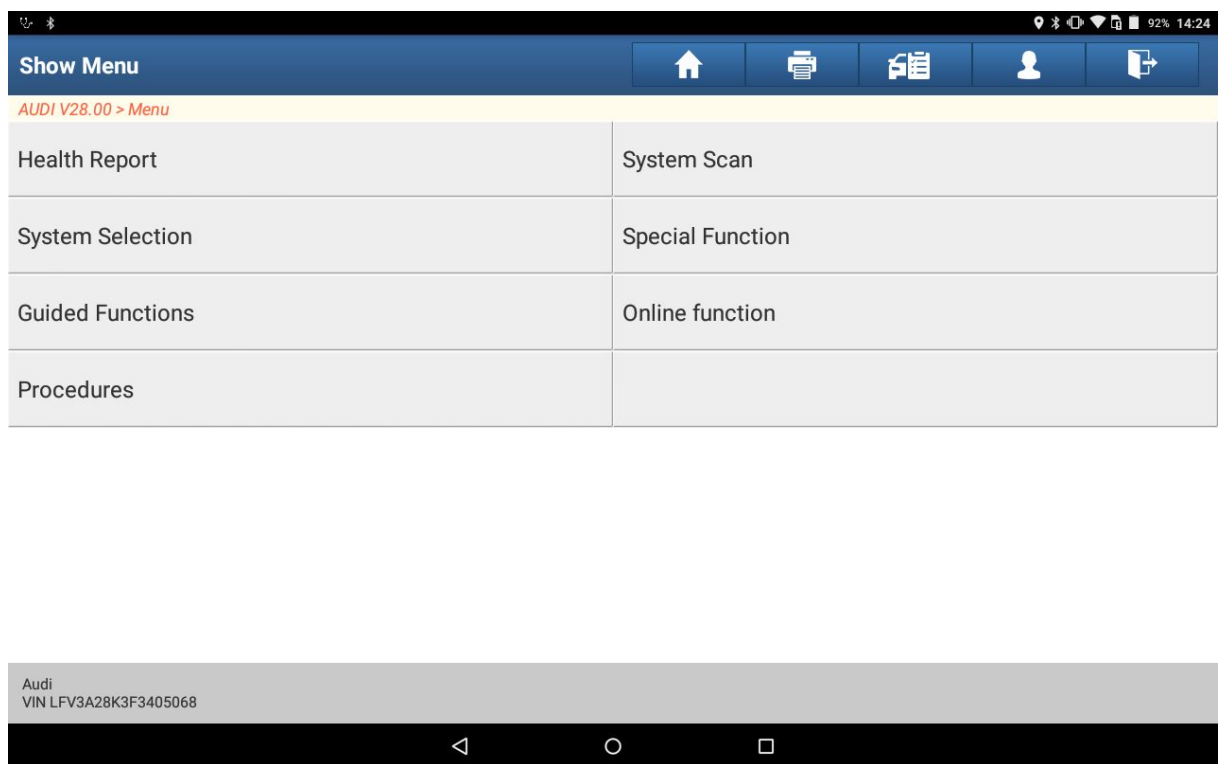
After a vehicle collision the steering system warning light was on from instrument cluster and “44 steering power system” was the trouble code and can not be cleared.





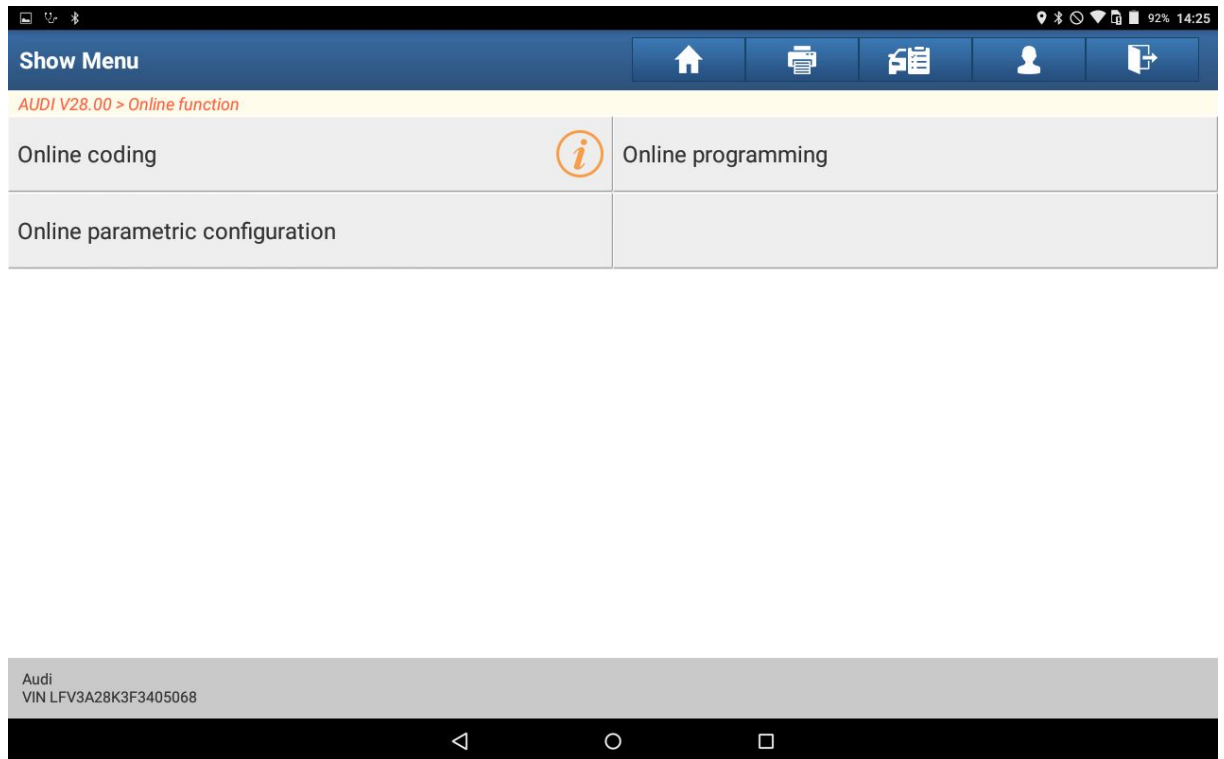
### [Instruction]

1. Switch on the ignition and select Audi software with V 28.00 or above, the following menu will show



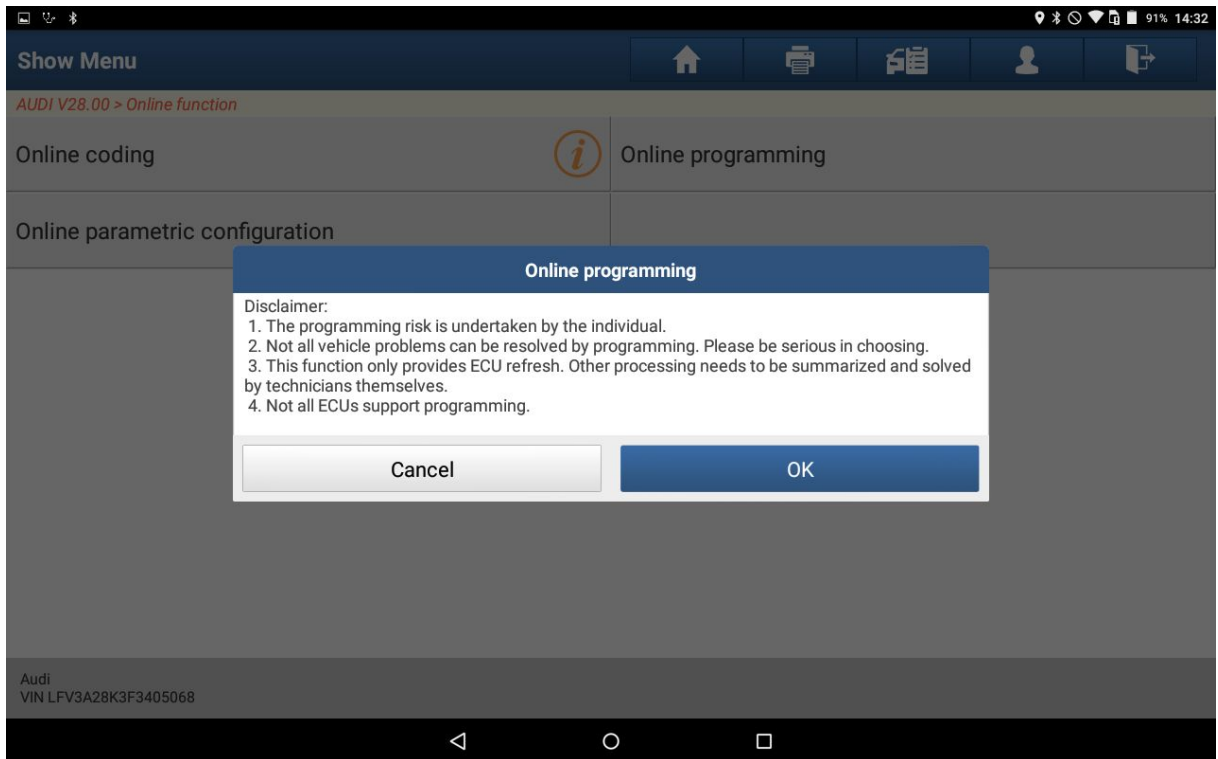


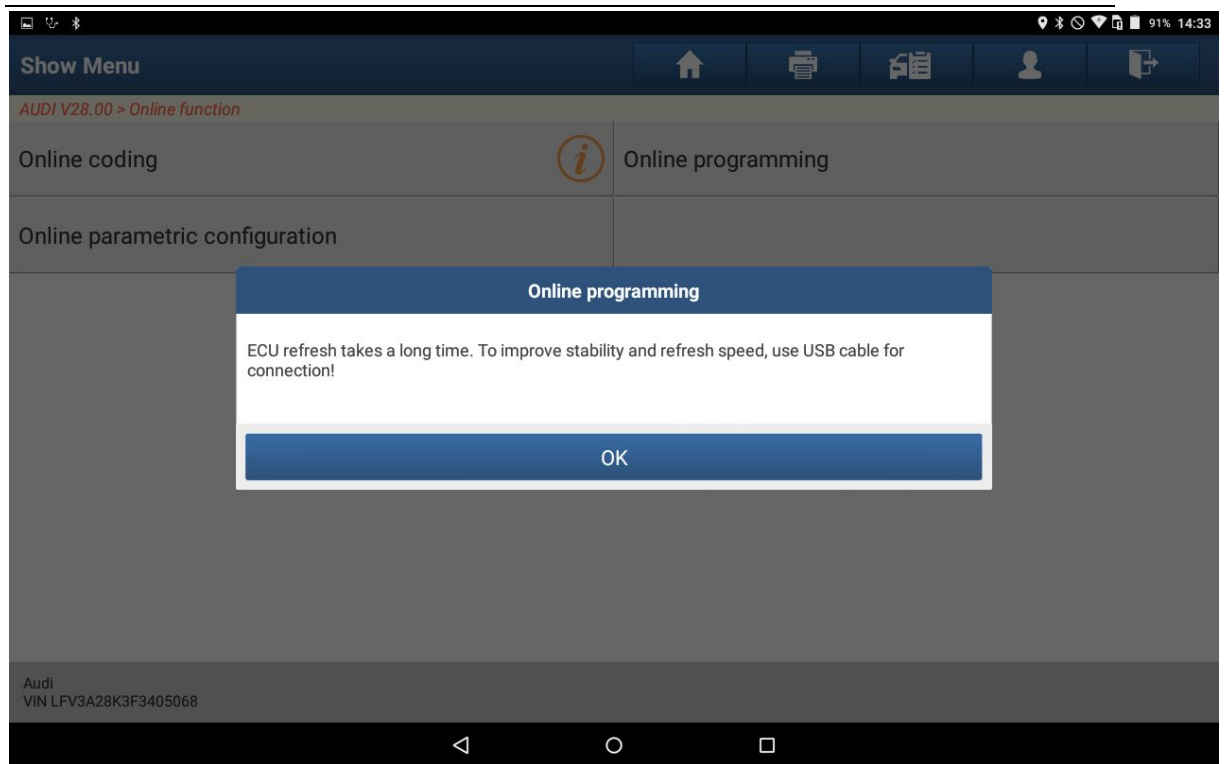
## 2. Click Online function



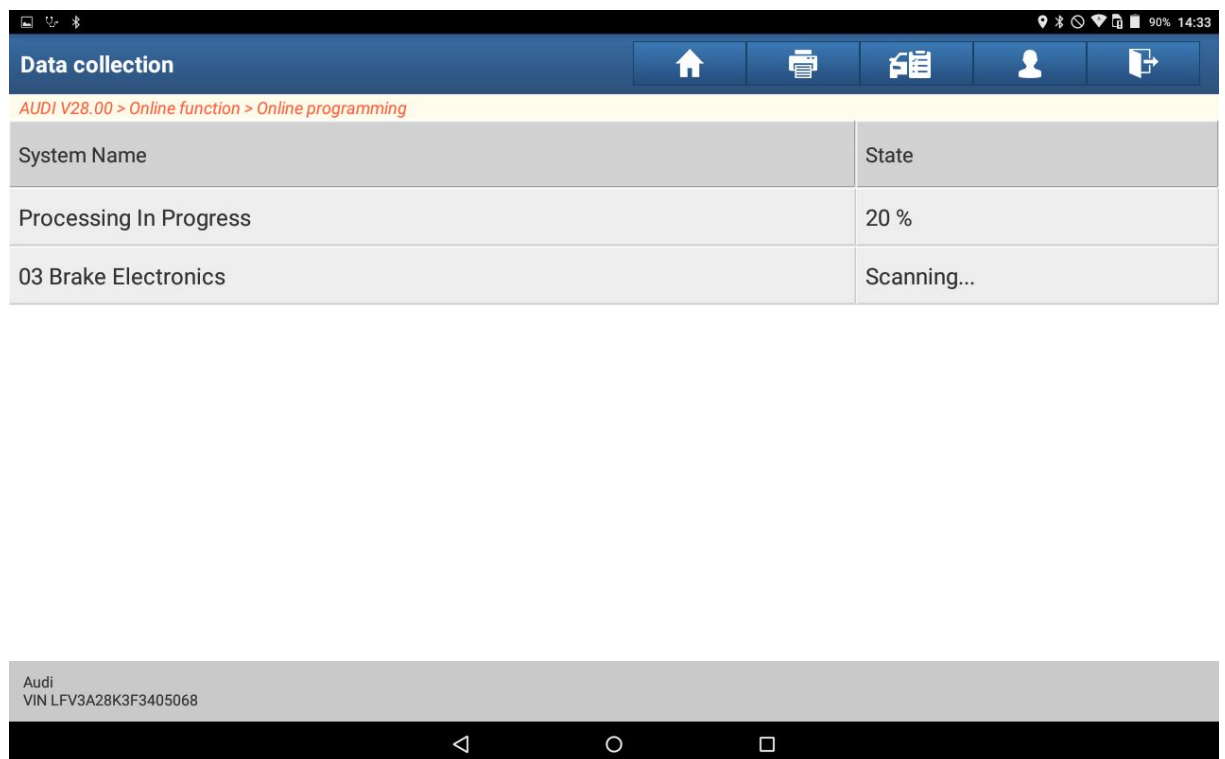


3. Firstly select **【Online programming】** , please note of the tips





4. Click yes to start scanning and continue to system list





Online programming

AUDI V28.00 > Online function > Online programming

System Name	State
01 Engine Electronics	Click to program
02 Transmission Electronics	Click to program
44 Steering Assistance	Click to program

Audi  
VIN LFV3A28K3F3405068

5. Select **【44 steering power system】** First required to select files and downloaded them

Saving screenshot...

44 Steering Assistance

AUDI V28.00 > Online function > Online programming

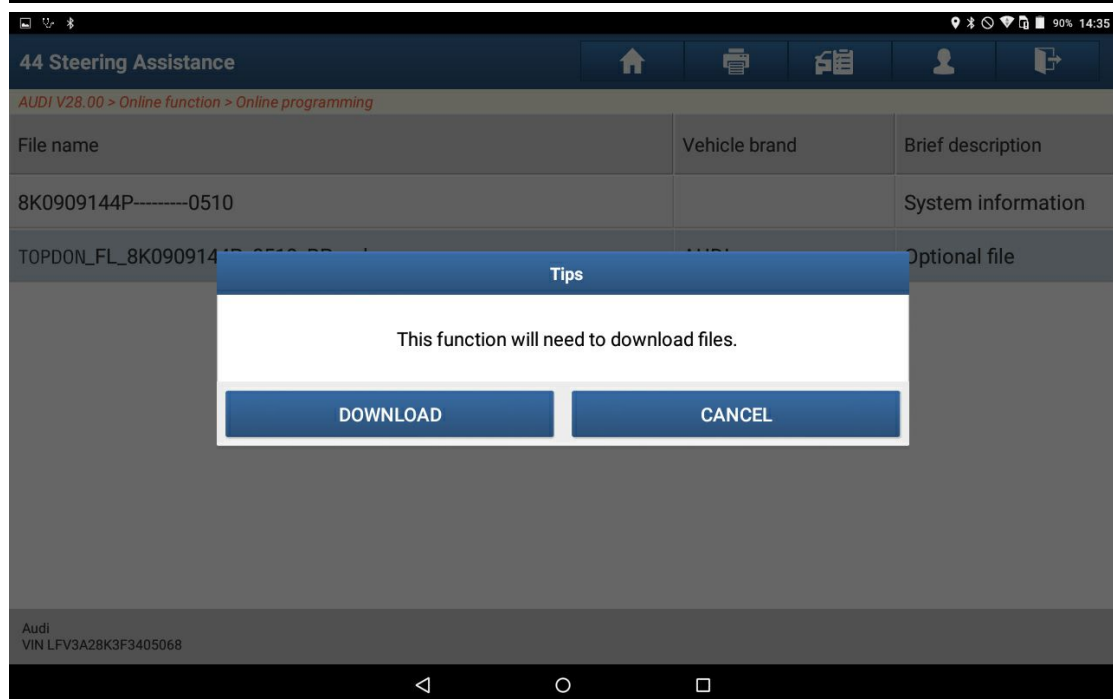
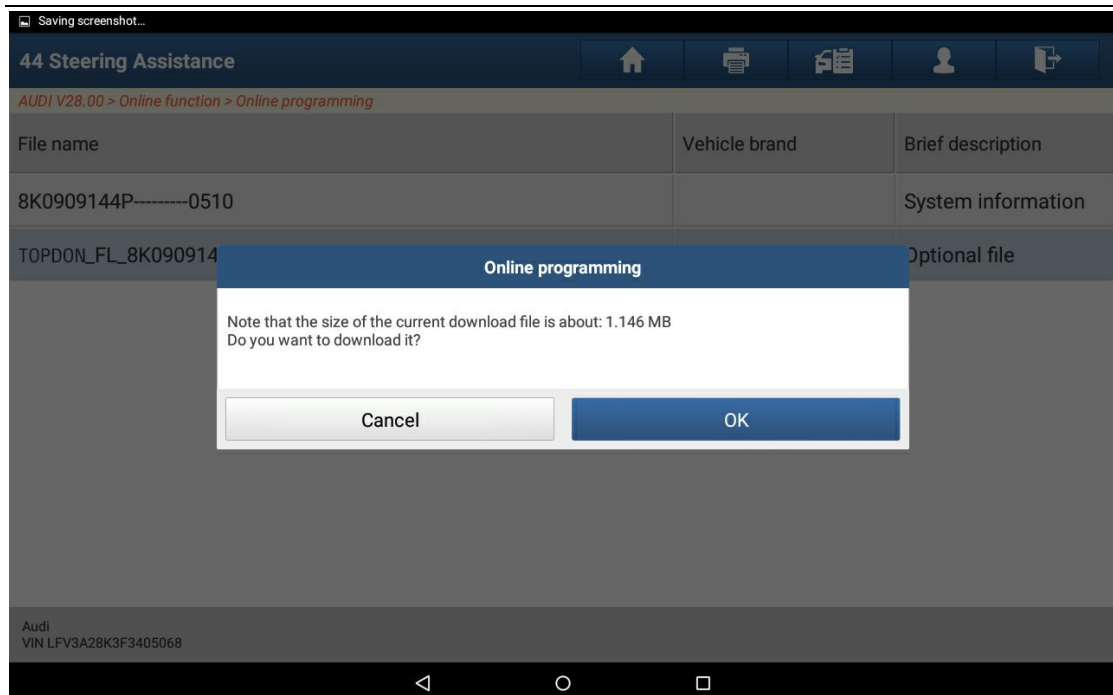
File name	Vehicle brand	Brief description
8K0909144P-----0510		System information
TOPDON_FL_8K090914		Optional file

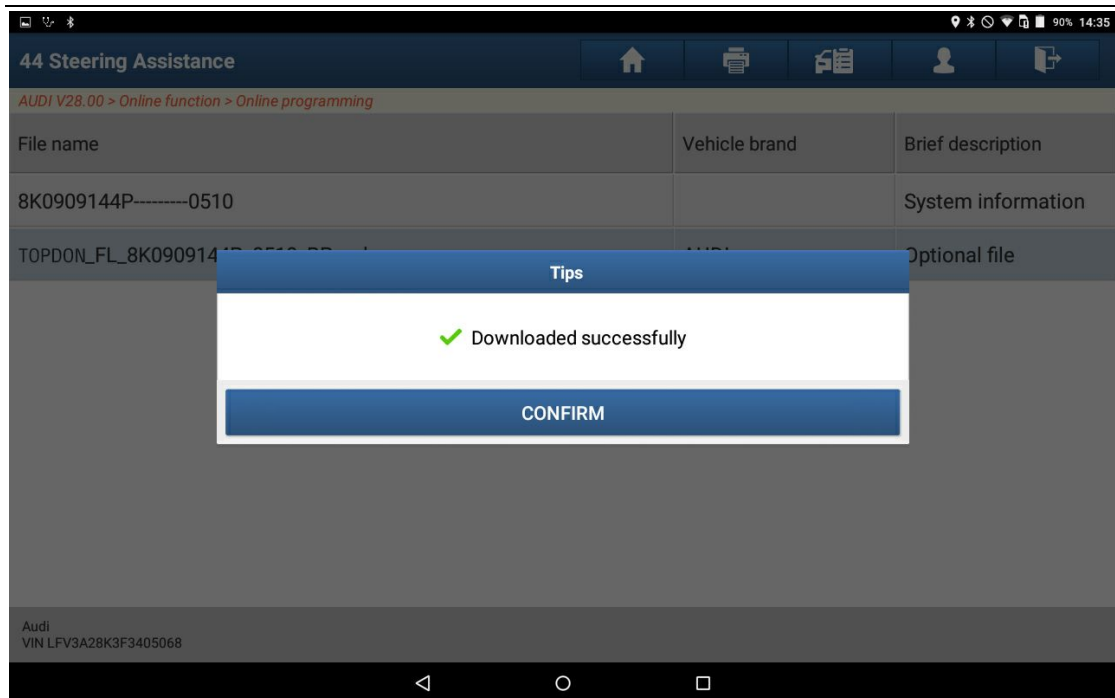
Select ECU refresh file

Do you want to choose the following file as the programming file:  
TOPDON\_FL\_8K0909144P\_0510\_BP.xml ?

Cancel OK

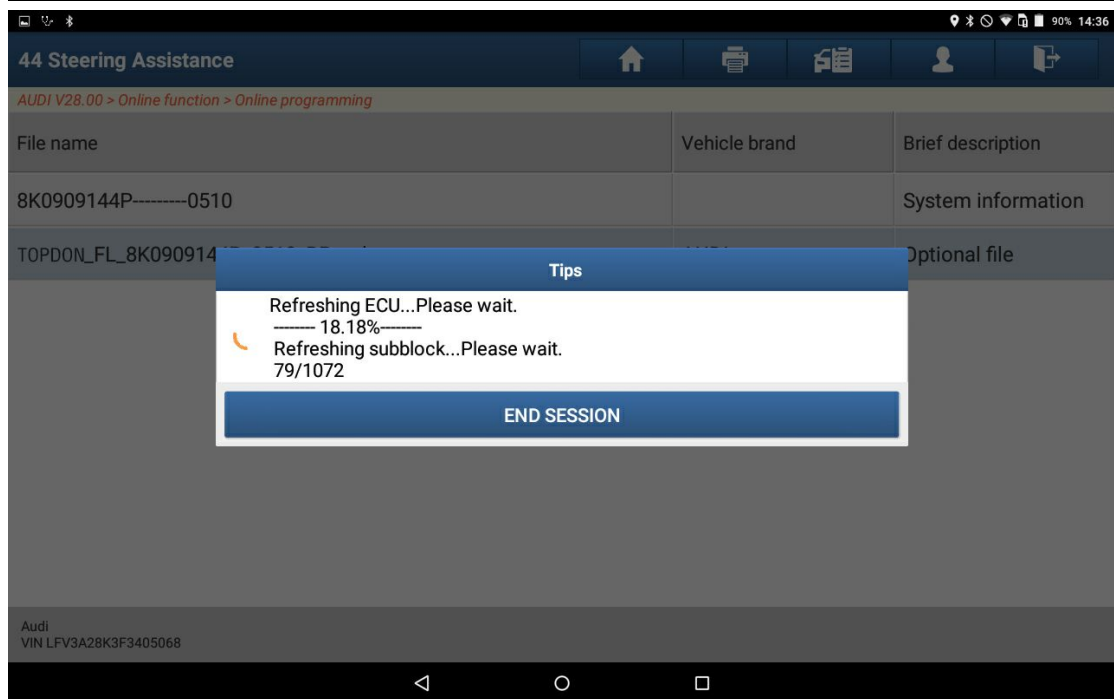
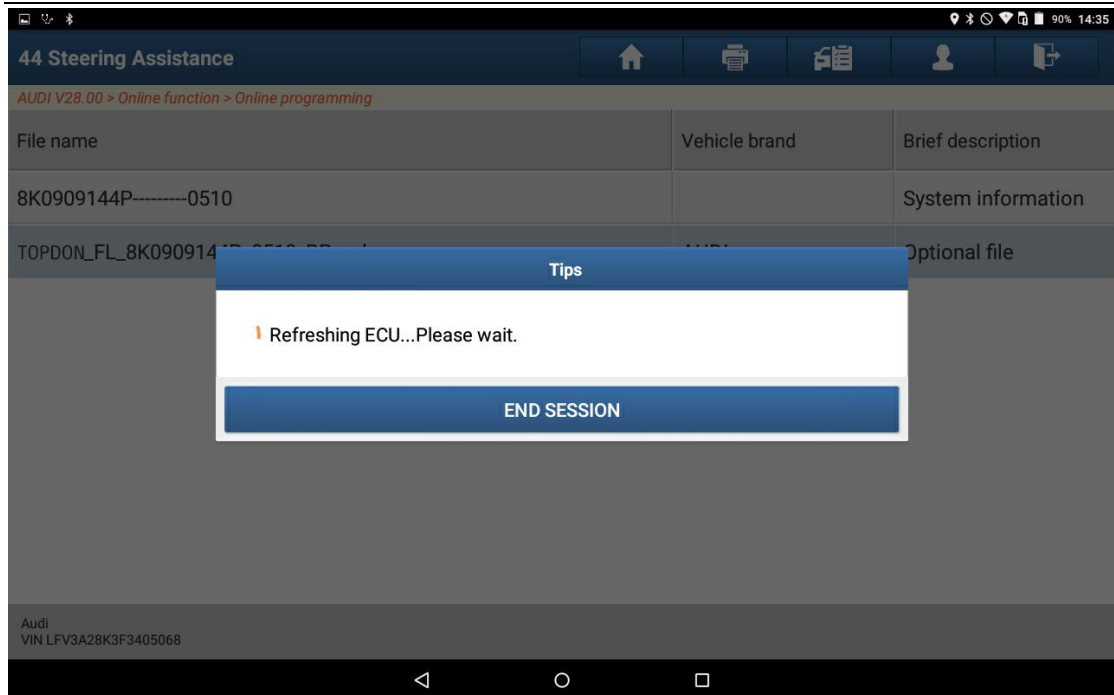
Audi  
VIN LFV3A28K3F3405068

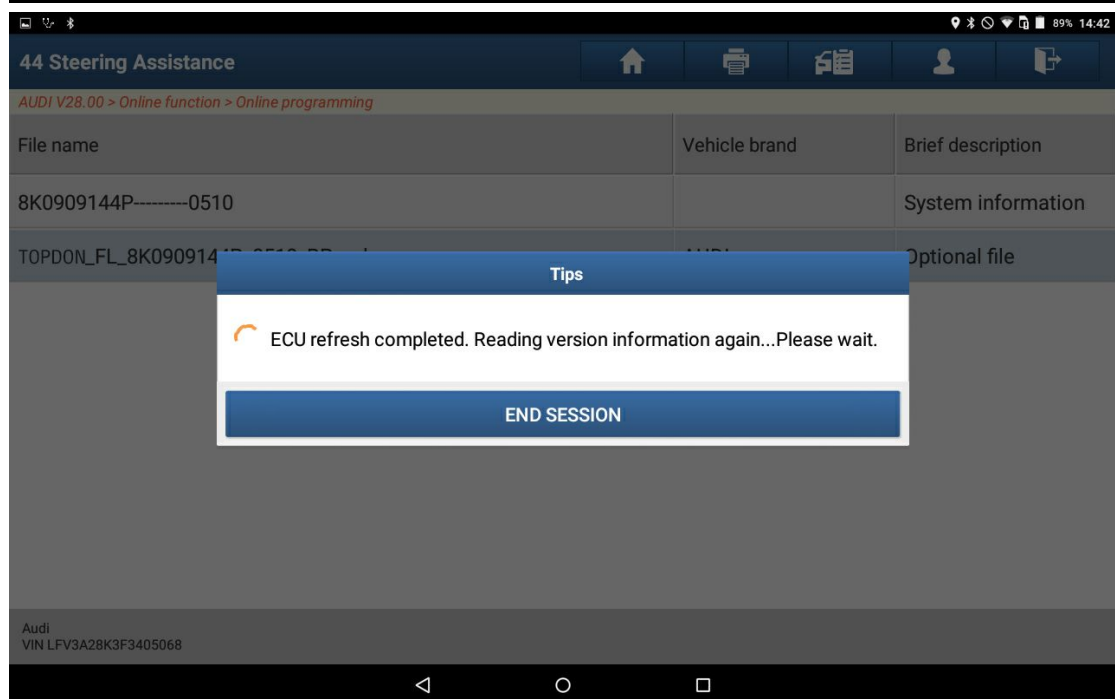
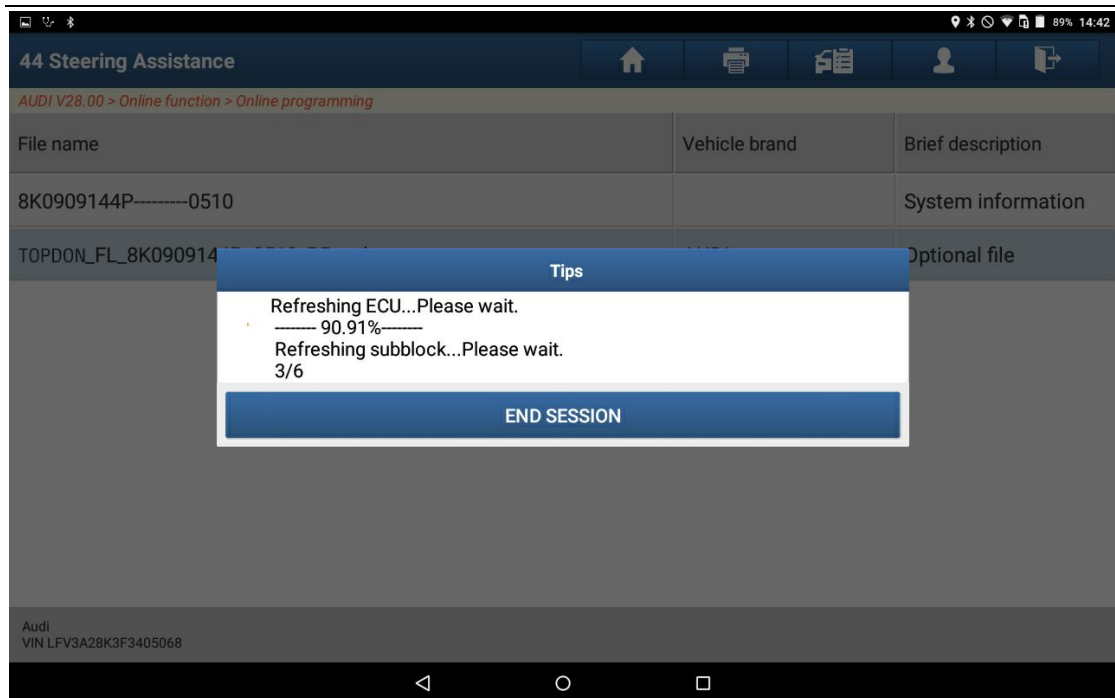




6. Start the refreshing ECU process after downloading the files has completed. The online programming refresh can take some time, please be patient.

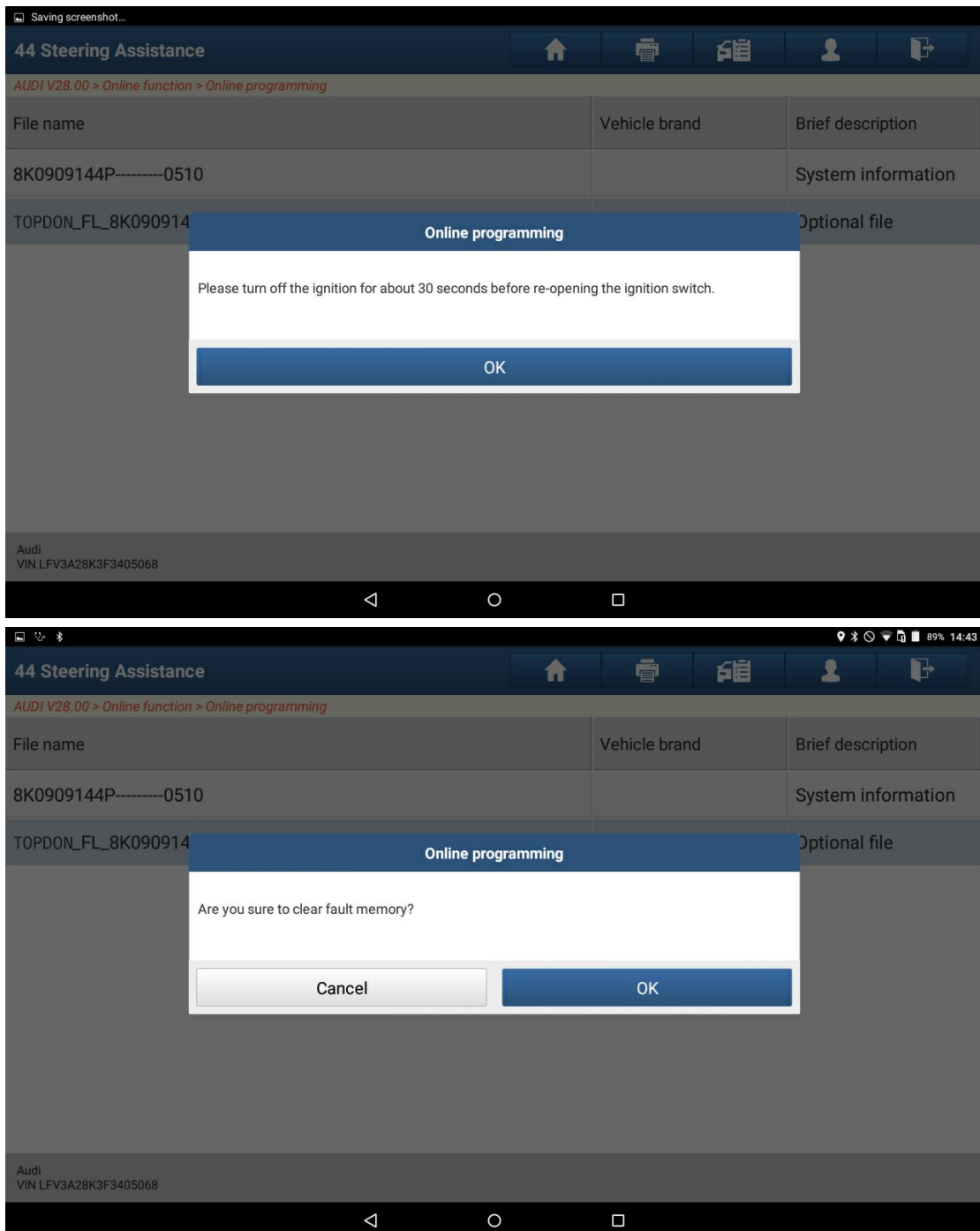








7. When prompted switch off the ignition for 30 seconds and then clear the trouble codes



Re-read the relevant vehicle information data for programming before and programming completion. Click OK then we have performed the programming successfully.



44 Steering Assistance

AUDI V28.00 > Online function > Online programming

Feature	Before update	After update
LFV3A28K3F3405068	AUDI	AU48X
VW/Audi part number:	8K0909144P	8K0909144P
Software version:	0510	0510
Hardware part number:	8K0909144B	8K0909144B
Hardware version:	H43	H43
ASAM/ODX file ID:	EV_RCEPSAU48X	EV_RCEPSAU48X
ASAM/ODX file version:	008018	008018
VW dataset number of ECU data container number	8KD909852K	8KD909852K
Audi VIN LFV3A28K3F3405068		

Saving screenshot...

44 Steering Assistance

AUDI V28.00 > Online function > Online programming

Feature	Before update	After update
LFV3A28K3F3405068	AUDI	AU48X
VW/Audi part number:		
Software version:		
Hardware part number:		
Hardware version:		
ASAM/ODX file ID:	EV_RCEPSAU48X	EV_RCEPSAU48X
ASAM/ODX file version:	008018	008018
VW dataset number of ECU data container number	8KD909852K	8KD909852K
Audi VIN LFV3A28K3F3405068		

Online programming

Succeeded to perform the online programming function!

Yes Feedback



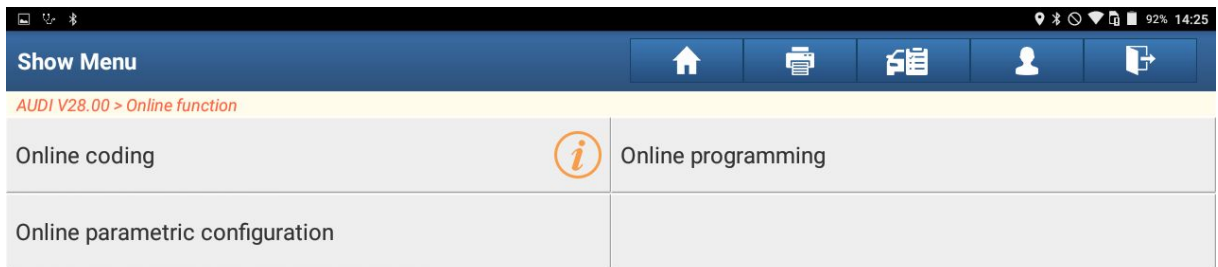
8. After the programming was completed, the following two items were empty within software information

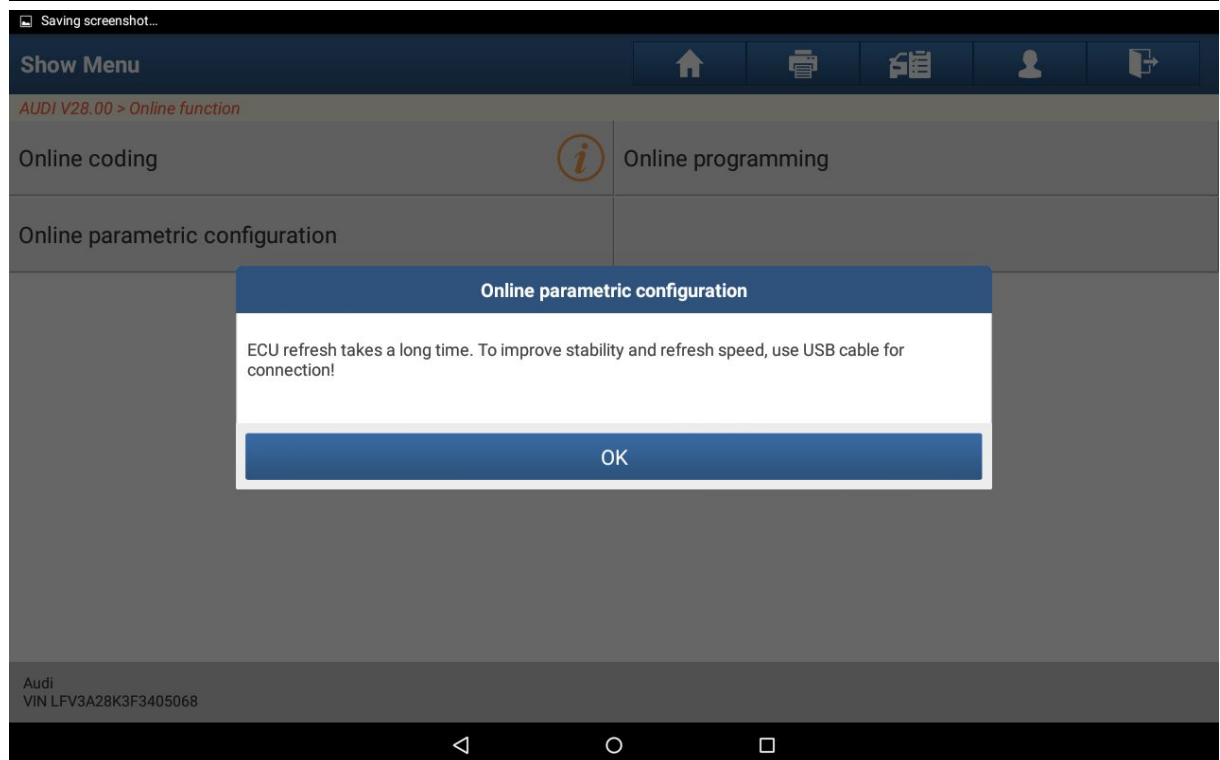
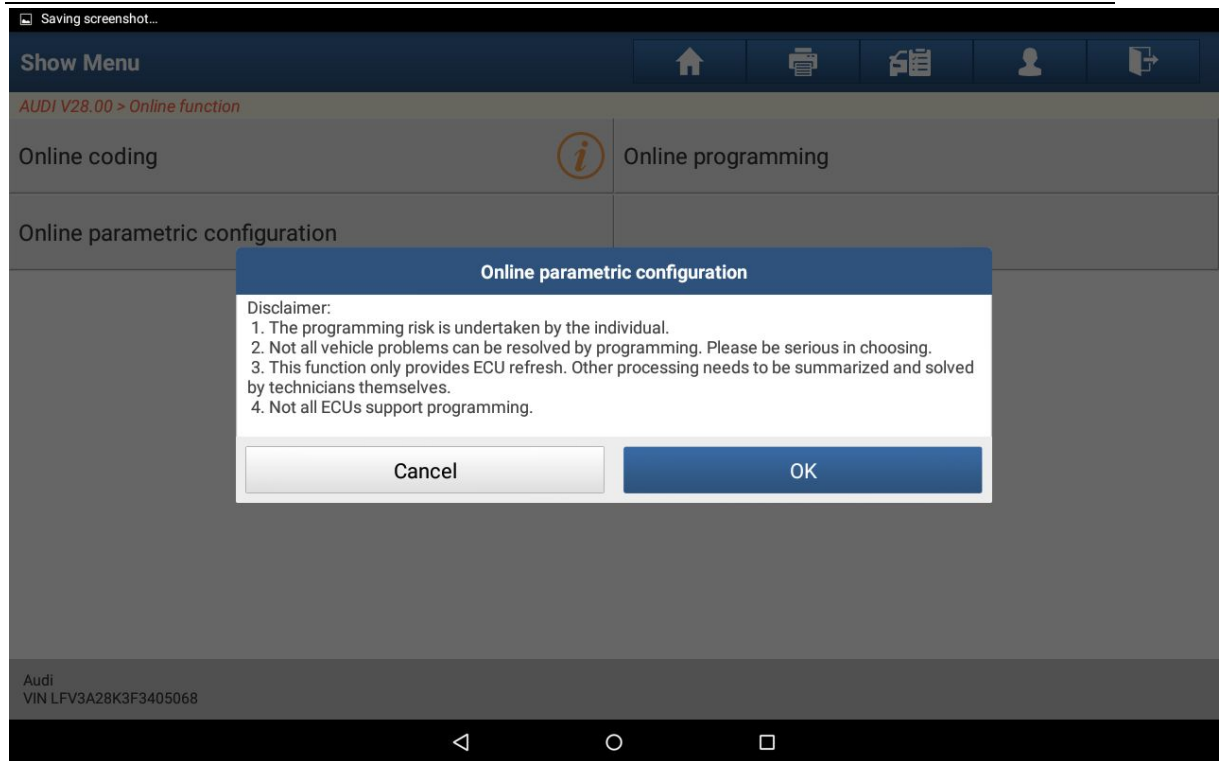
Volkswagen dataset number or ECU data container number -----

Volkswagen dataset version number----

Then you need to perform online parametric configuration and return to the online menu

Select **【Online parametric configuration】** the following tips will show after selecting, please read carefully





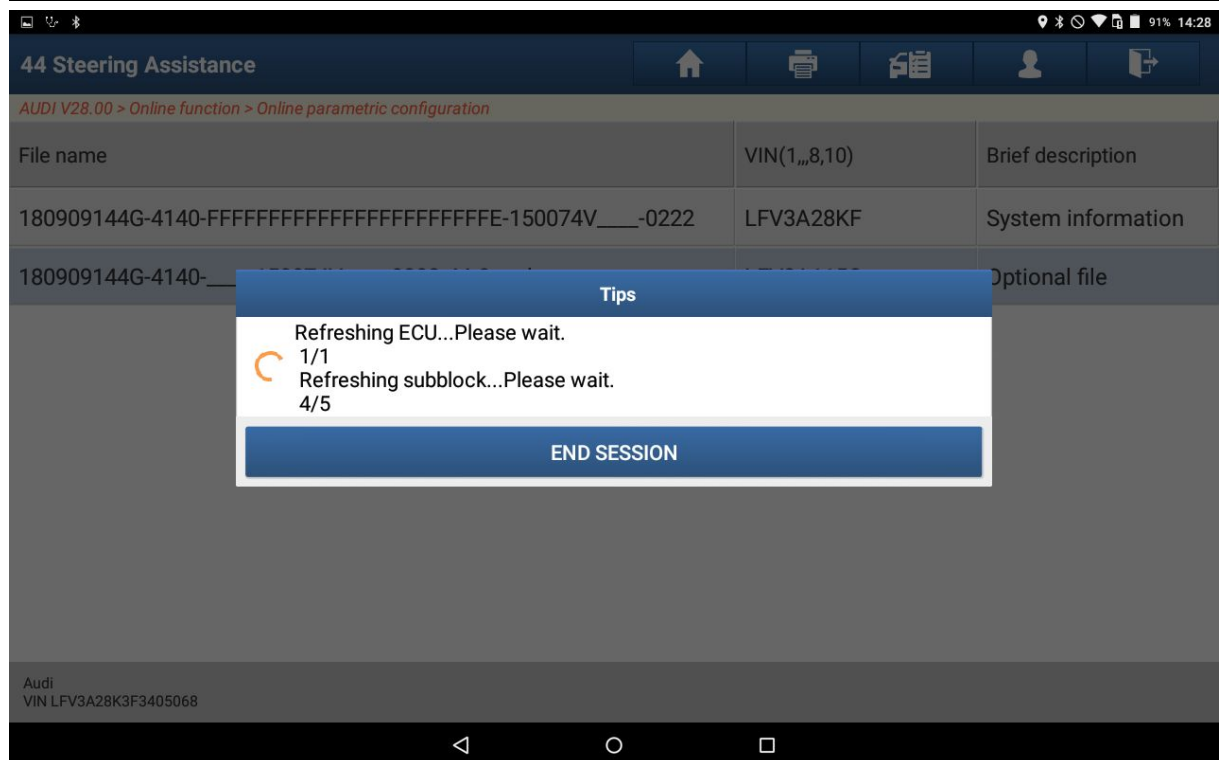
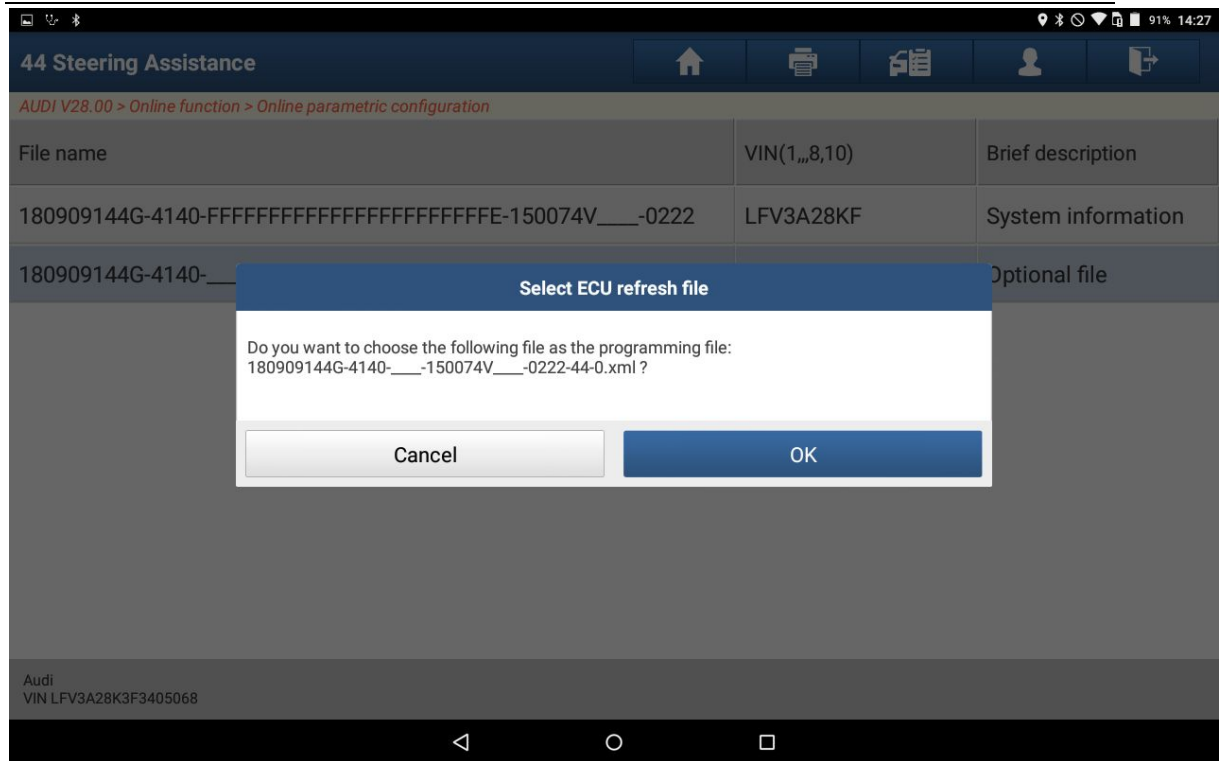


9. Click OK to start scanning the systems that are required to be parameterized settings and display it as follow after scanning :

Online parametric configuration	
AUDI V28.00 > Online function > Online parametric configuration	
System Name	State
44 Steering Assistance	Click to reprogram

Audi  
VIN LFV3A28K3F3405068

Start 44 steering power system parameter settings after clicking refresh and the process will not take too long, see it as follows :







44 Steering Assistance

AUDI V28.00 > Online function > Online parametric configuration

File name	VIN(1,,,8,10)	Brief description
180909144G-4140-FFFFFFFFFFFFFFFFFFFFE-150074V____-0222	LFV3A28KF	System information
180909144G-4140-_____	_____	Optional file

Tips

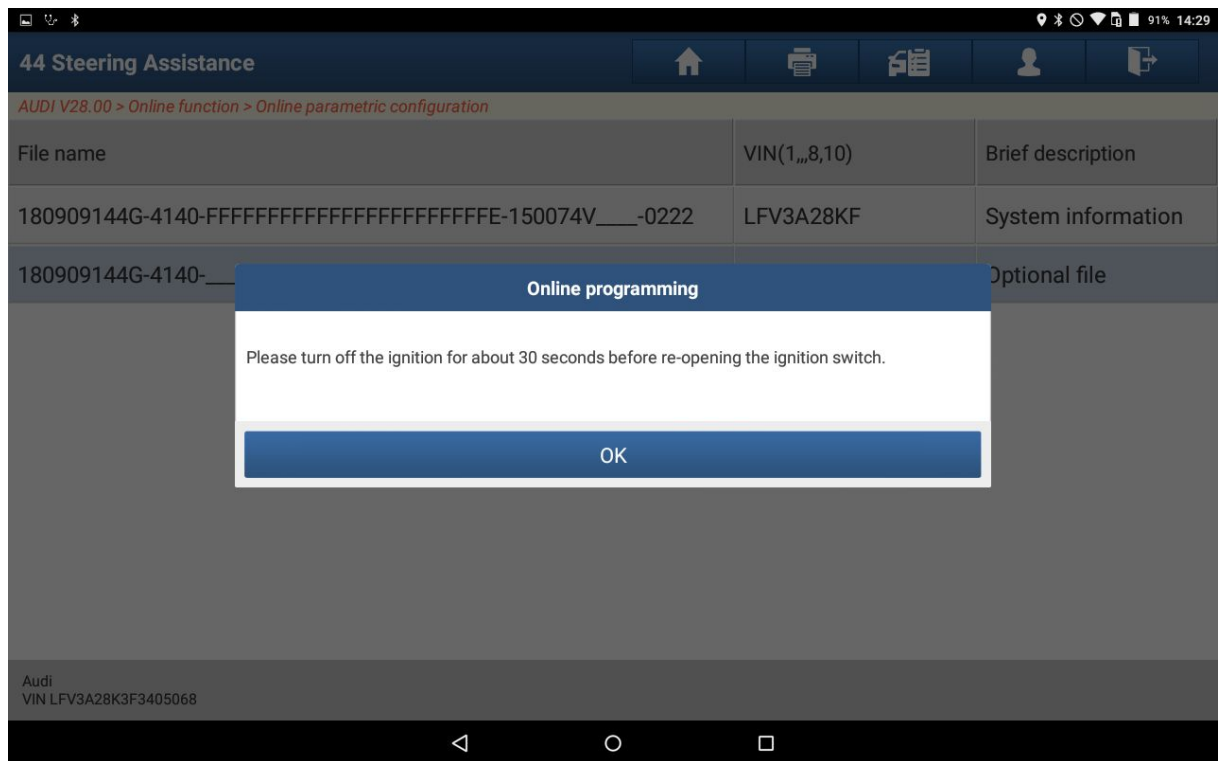
ECU refresh completed. Reading version information again...Please wait.

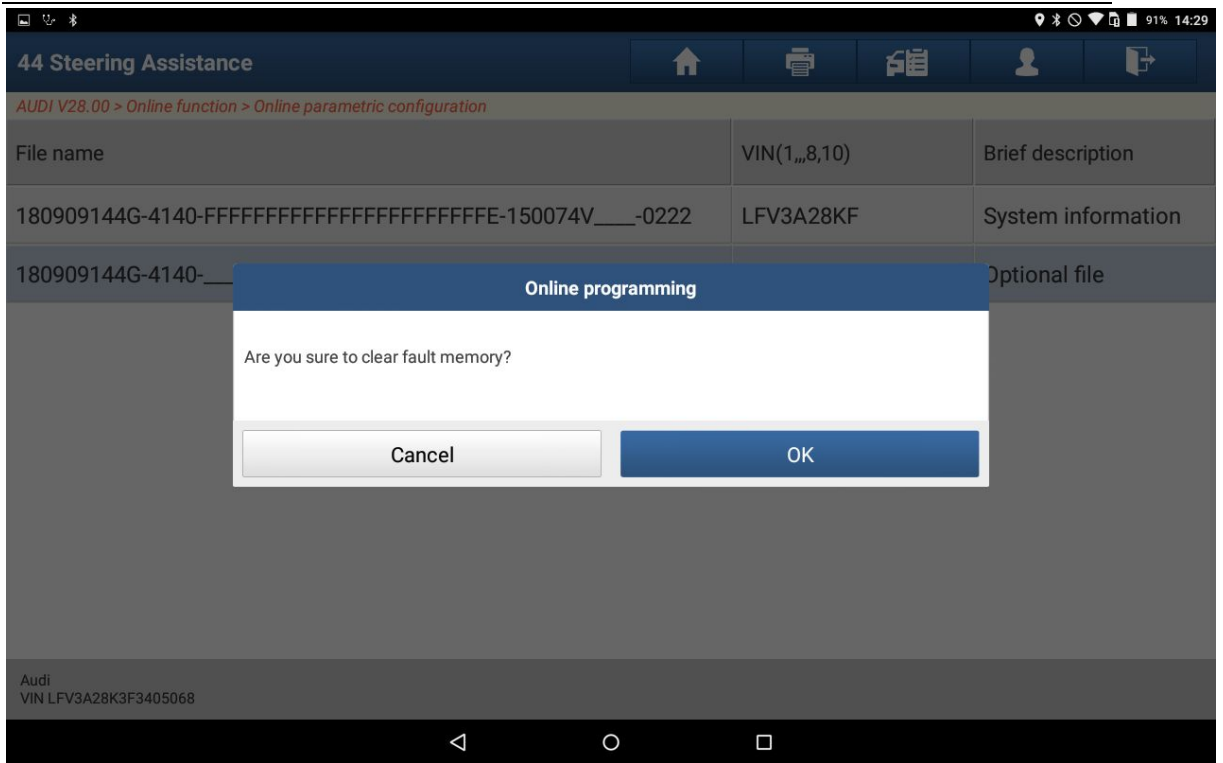
END SESSION

Audi  
VIN LFV3A28K3F3405068



10. After finishing the above steps, when prompted turn off the ignition for 30 seconds, then clear trouble codes







11. After clearing the codes the relevant vehicle information before and after the parameterization configuration is displayed. At this point, the parameterized configuration was successfully written.

44 Steering Assistance		
AUDI V28.00 > Online function > Online parametric configuration		
Feature	Before update	After update
LFV3A28K3F3405068	AUDI	AU48X
VW/Audi part number:	180909144G	180909144G
Software version:	4140	4140
Hardware part number:	180909144	180909144
Hardware version:	413	413
ASAM/ODX file ID:	EV_SteerAssisNSKGen2	EV_SteerAssisNSKGen2
ASAM/ODX file version:	006110	006110
VW dataset number of ECU data container number	150074V____	150074V____
Audi VIN LFV3A28K3F3405068		



44 Steering Assistance

AUDI V28.00 > Online function > Online parametric configuration

Feature	Before update	After update
LFV3A28K3F3405068	AUDI	AU48X
VW/Audi part number		
Software version:		
Hardware part number		
Hardware version:		
ASAM/ODX file ID:	EV_SteerAssisNSKGen2	EV_SteerAssisNSKGen2
ASAM/ODX file version:	006110	006110
VW dataset number of ECU data container number	150074V____	150074V____

Audi  
VIN LFV3A28K3F3405068

Online parametric configuration

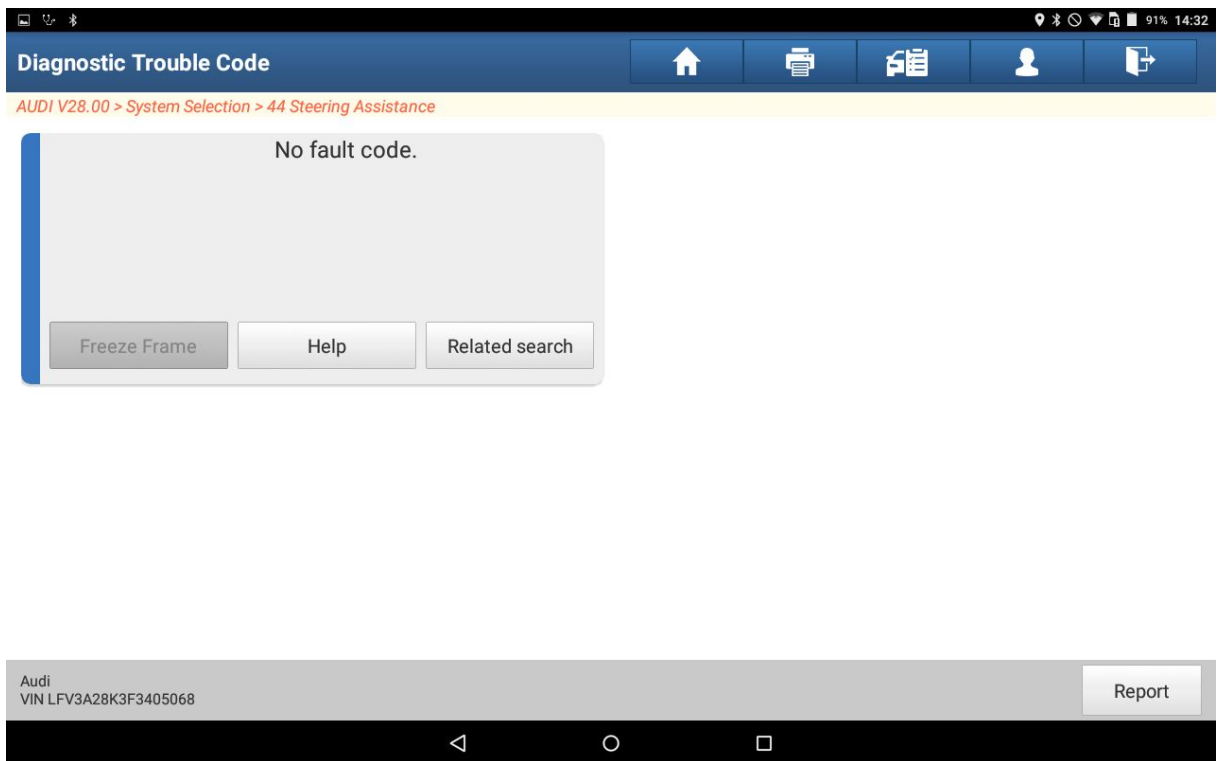
Parametric configuration file has been reprogrammed!

Yes

Feedback



12. With above steps completed and the trouble codes read again, there was no trouble code so the fault light was off. The whole operation steps were over.



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