

2015 Audi A4L Power Steering ECU Online Programming After Crash

Important Notes:

- Except the original factory devices, the only general device that can be used to perform the online function

Vehicle Coverage:

- Audi A4L, VIN: LFV3A28K3F340****

DTC Description:

- After a vehicle crash occurs, the steering system warning lamp on the instrument cluster turns on. The DTC in Figure 1 is present in "44 Steering Assistance" and cannot be cleared.

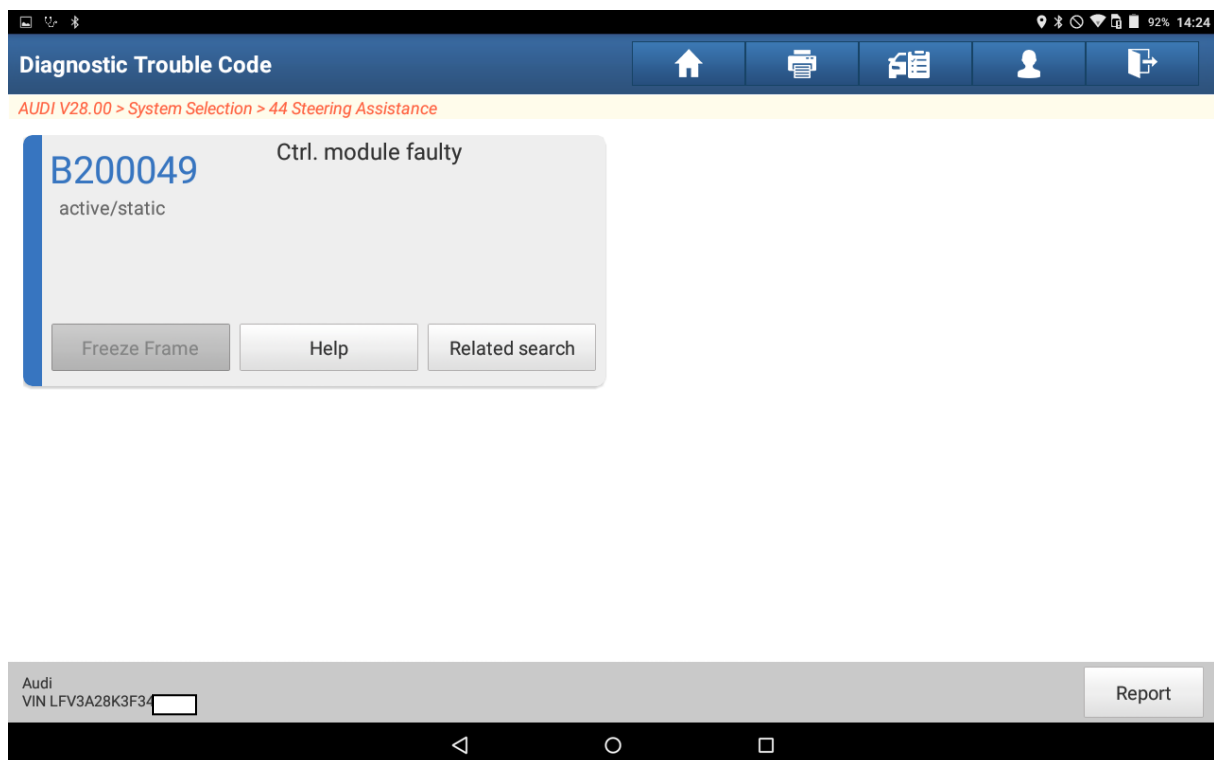


Figure 1

Procedure:

- 1) Turn on ignition, connect to Launch X431 PAD III connector, and choose Audi V28.00 or a later version to access the main menu. See Figure 2.

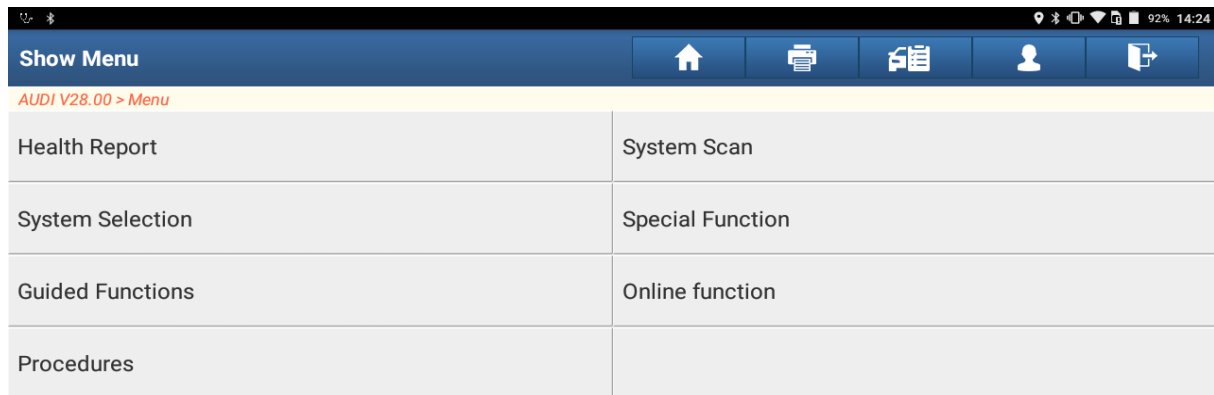


Figure 2

- 2) Click Online Function. The following three menus shown in Figure 3 appear.

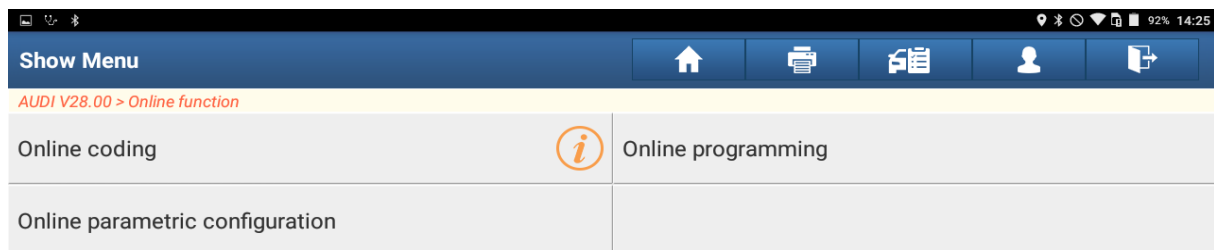


Figure 3

3) Choose Online Programming. A dialog box is displayed. Read the information carefully.

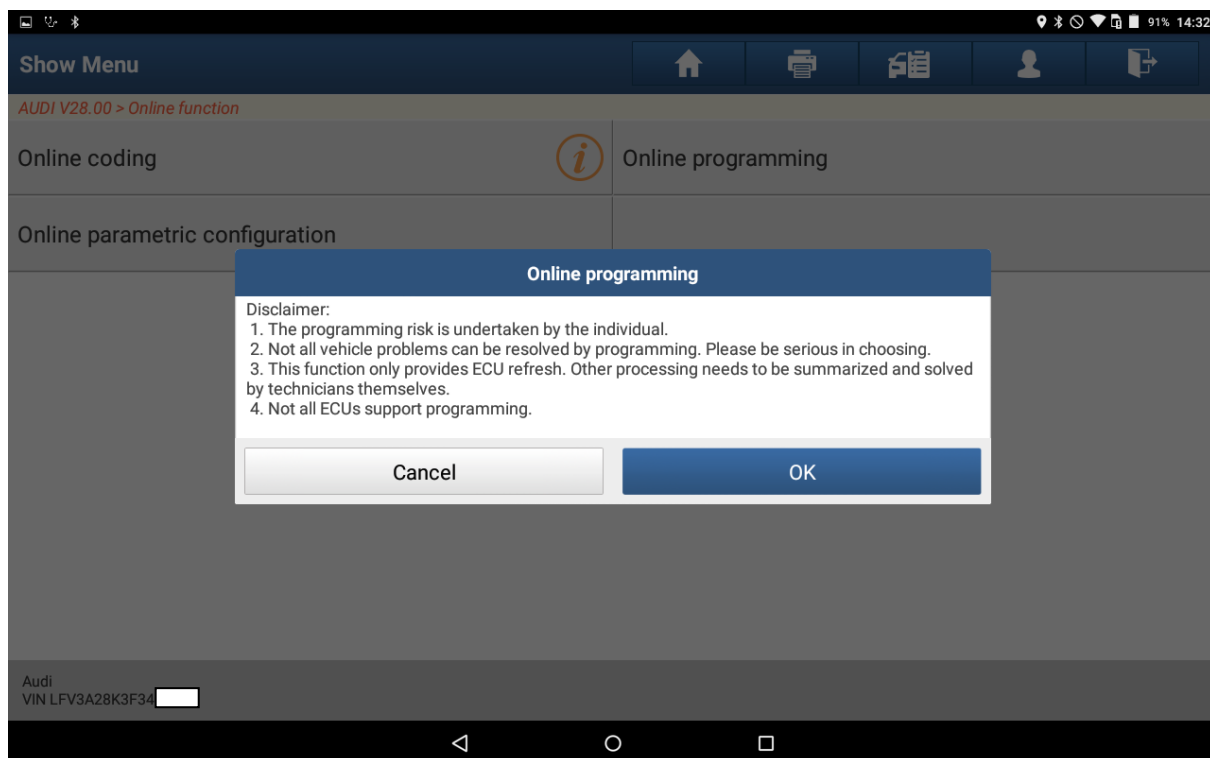


Figure 4

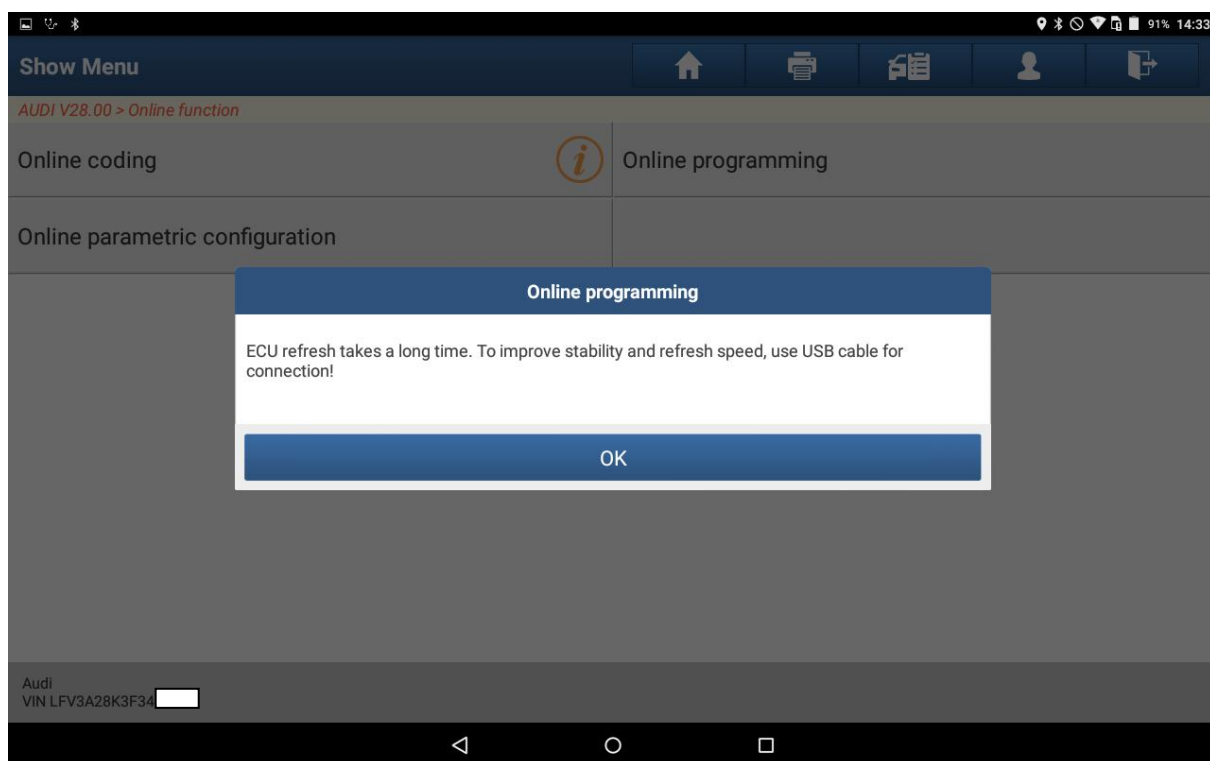
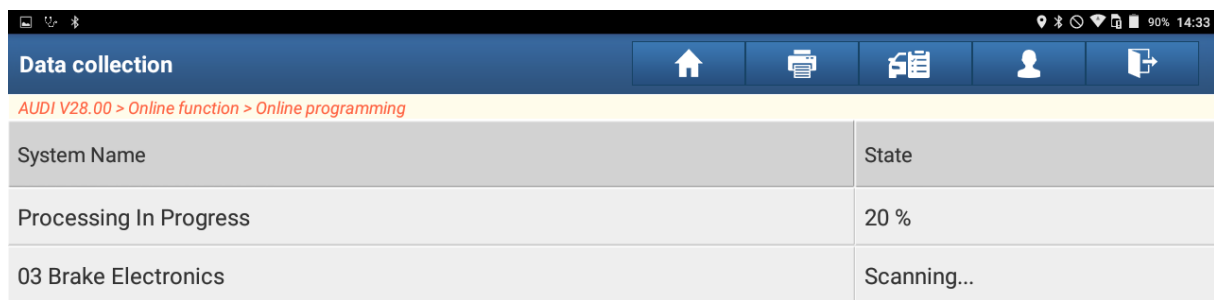


Figure 5


4) Click OK. System scanning starts. Systems are displayed after scanning is completed.



System Name	State
Processing In Progress	20 %
03 Brake Electronics	Scanning...



Figure 6



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



Figure 7

5) Choose "44 Steering Assistance", choose the programming file, and download the file.

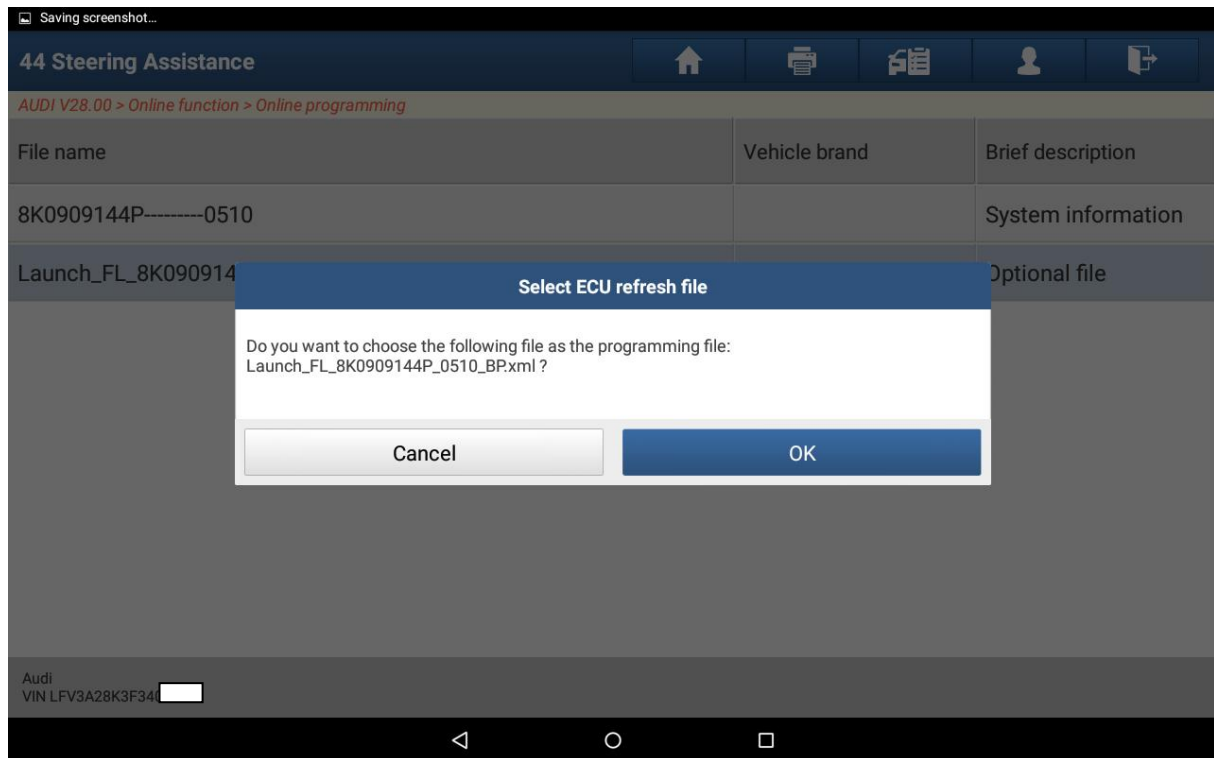


Figure 8

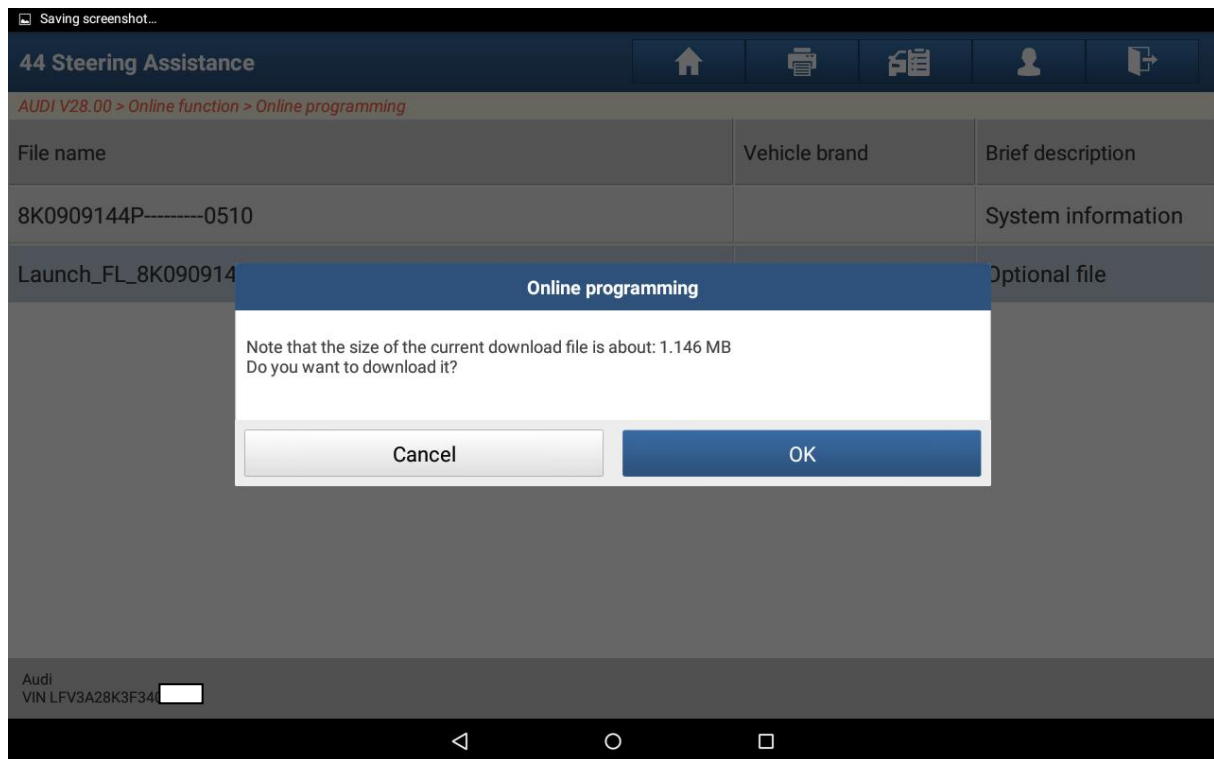


Figure 9

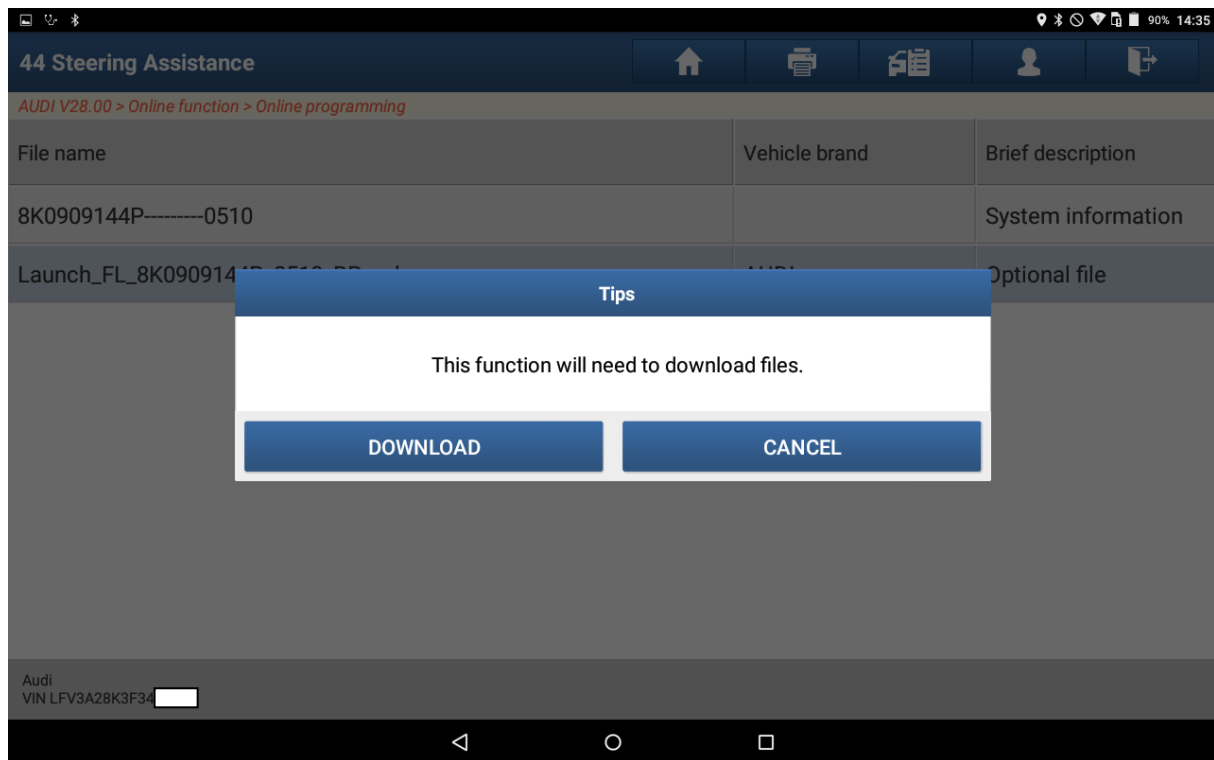


Figure 10

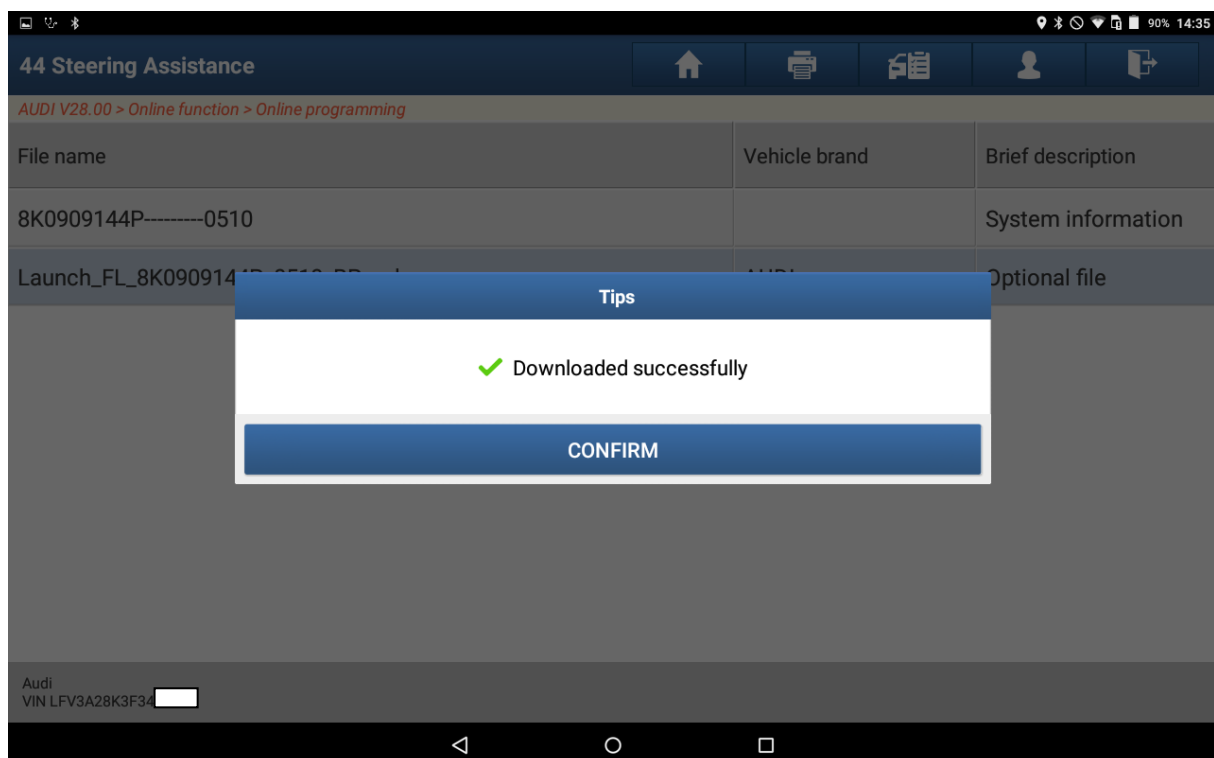


Figure 11

6) After the file is downloaded, reprogramming the ECU starts, which takes a long time. Please wait.

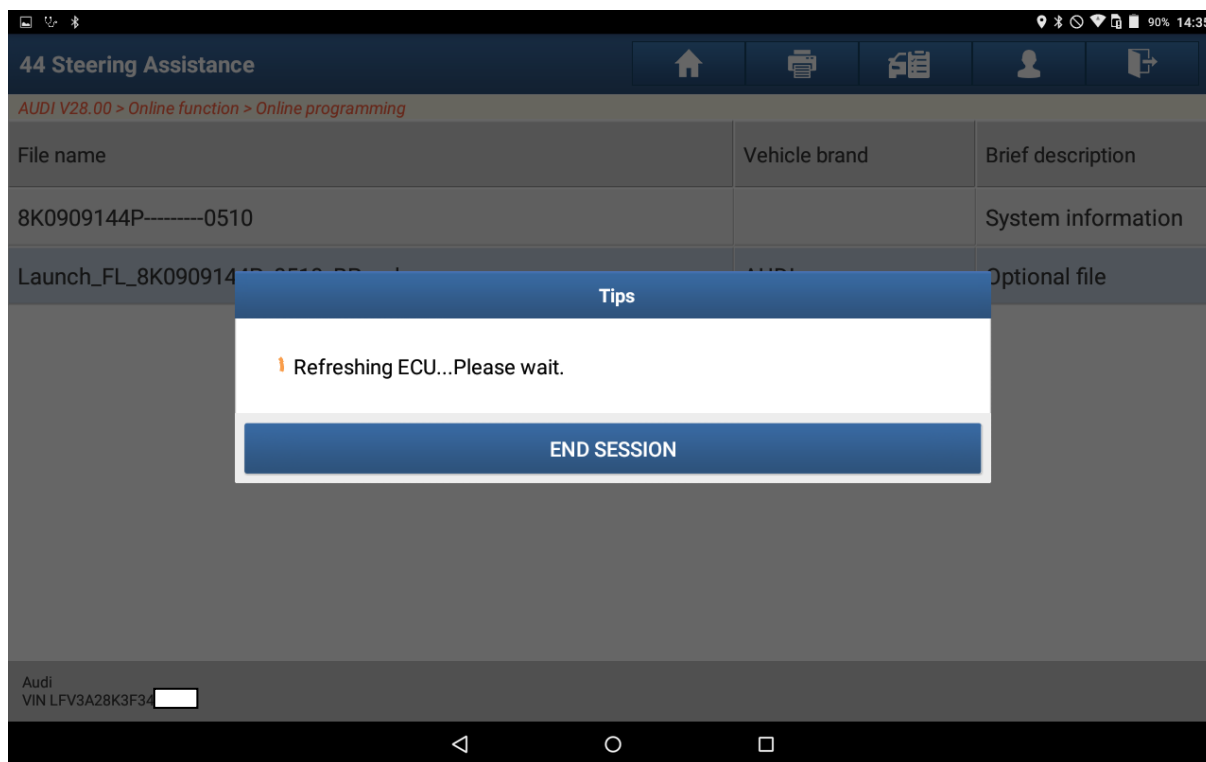


Figure 12

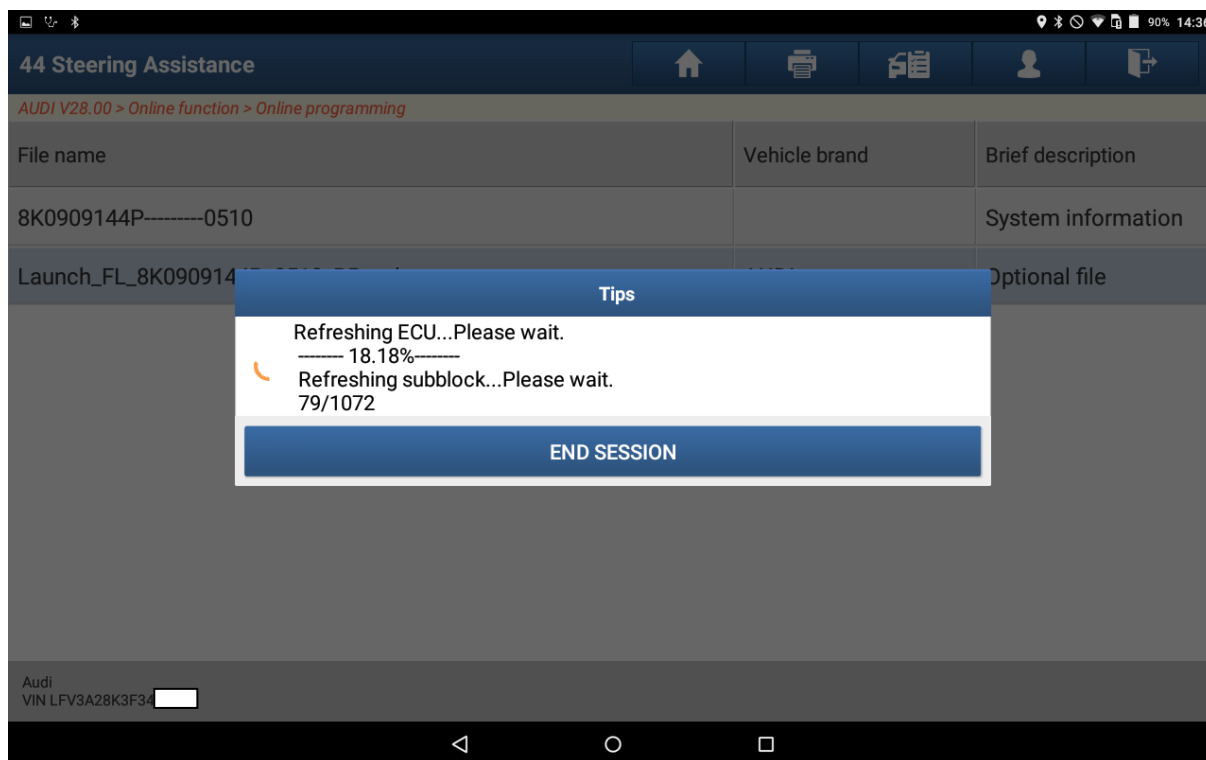


Figure 13

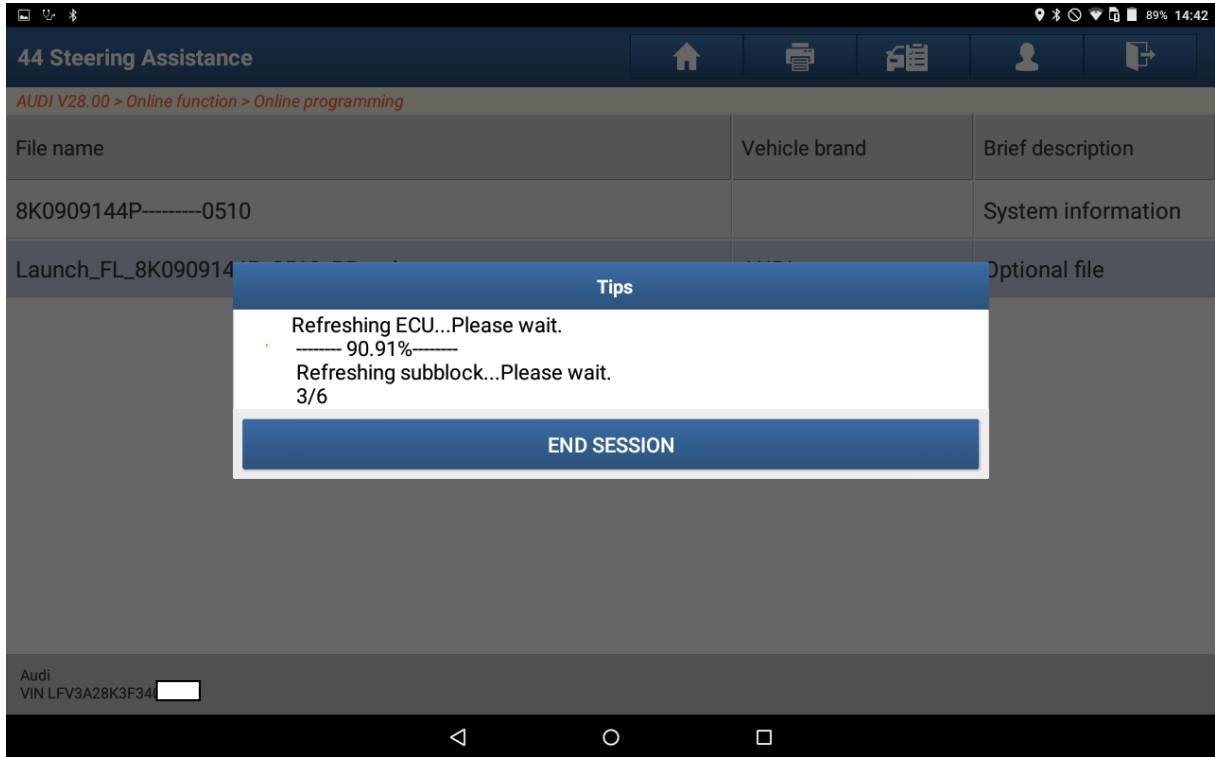


Figure 14

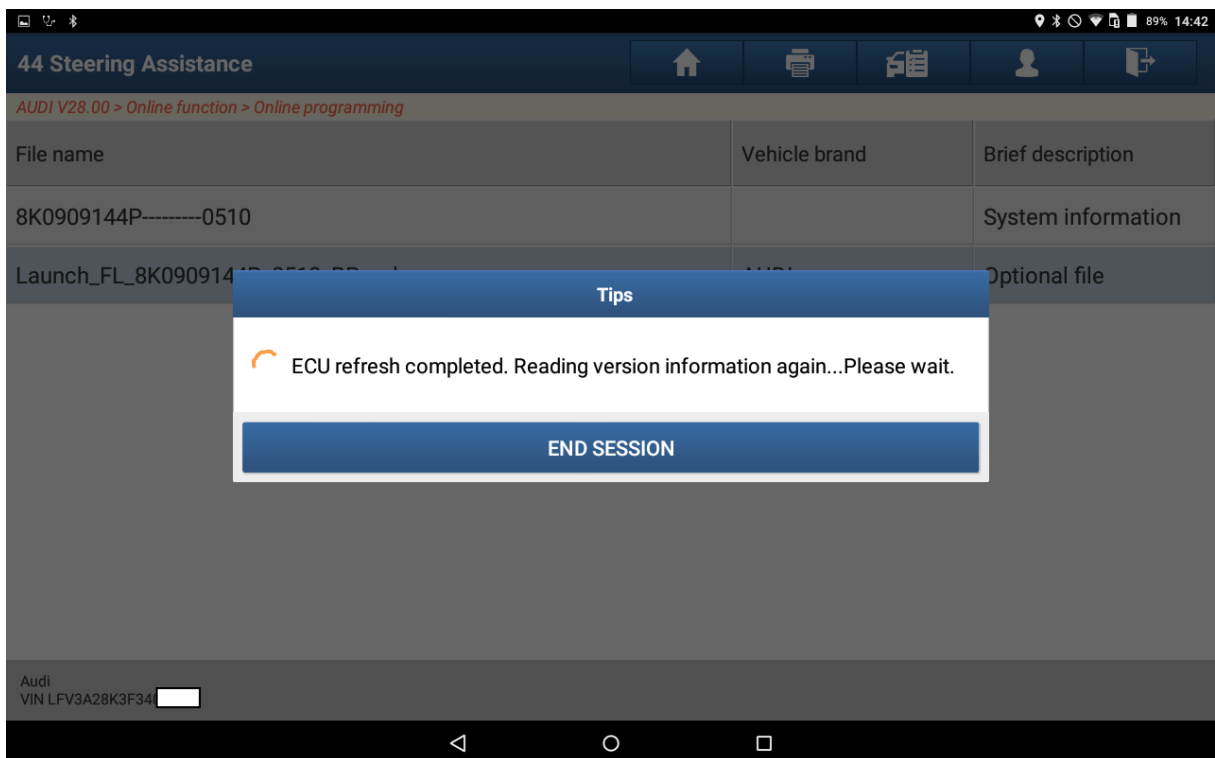


Figure 15

7) A message is displayed, asking you to turn off ignition for 30s and then clear DTCs.

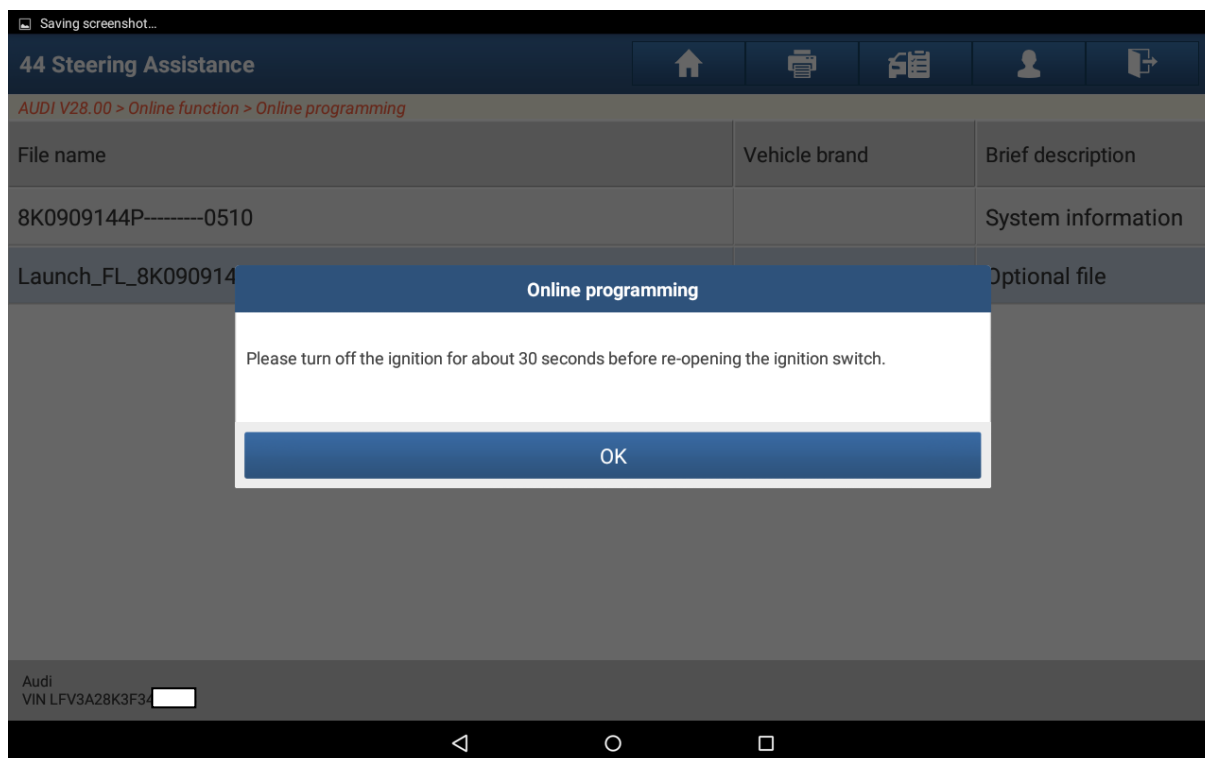


Figure 16

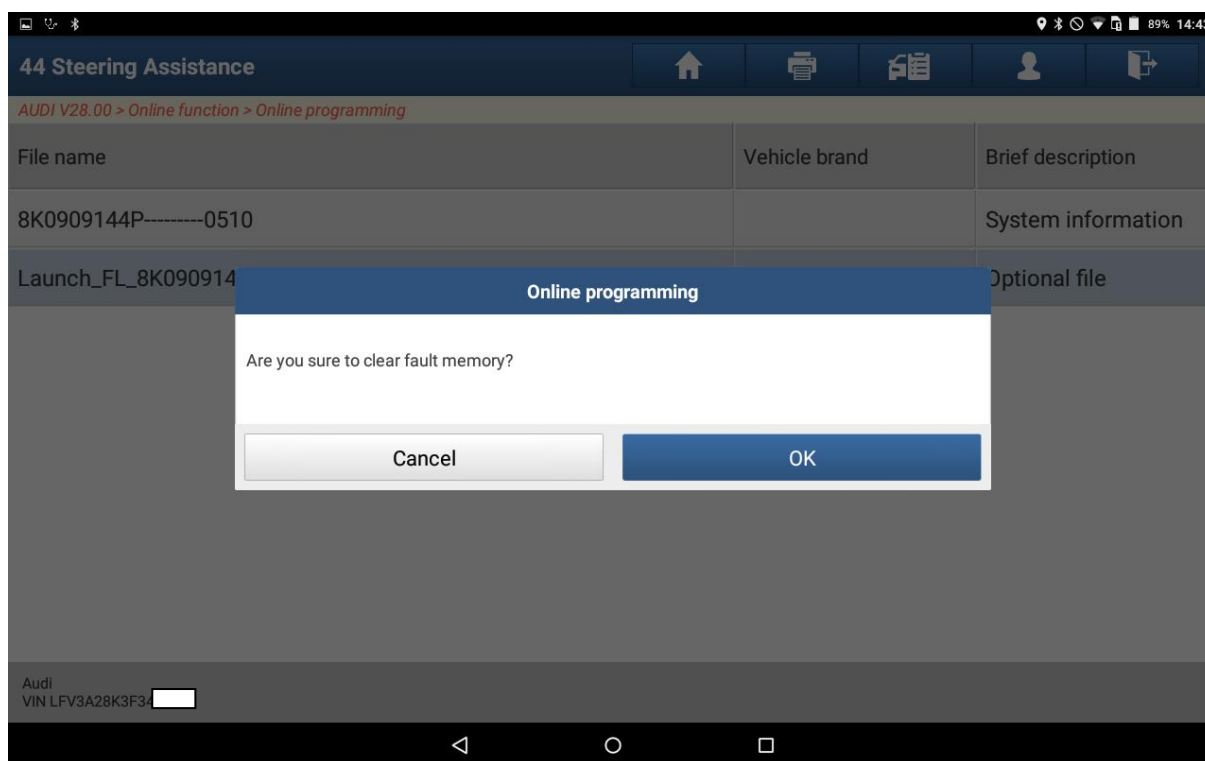
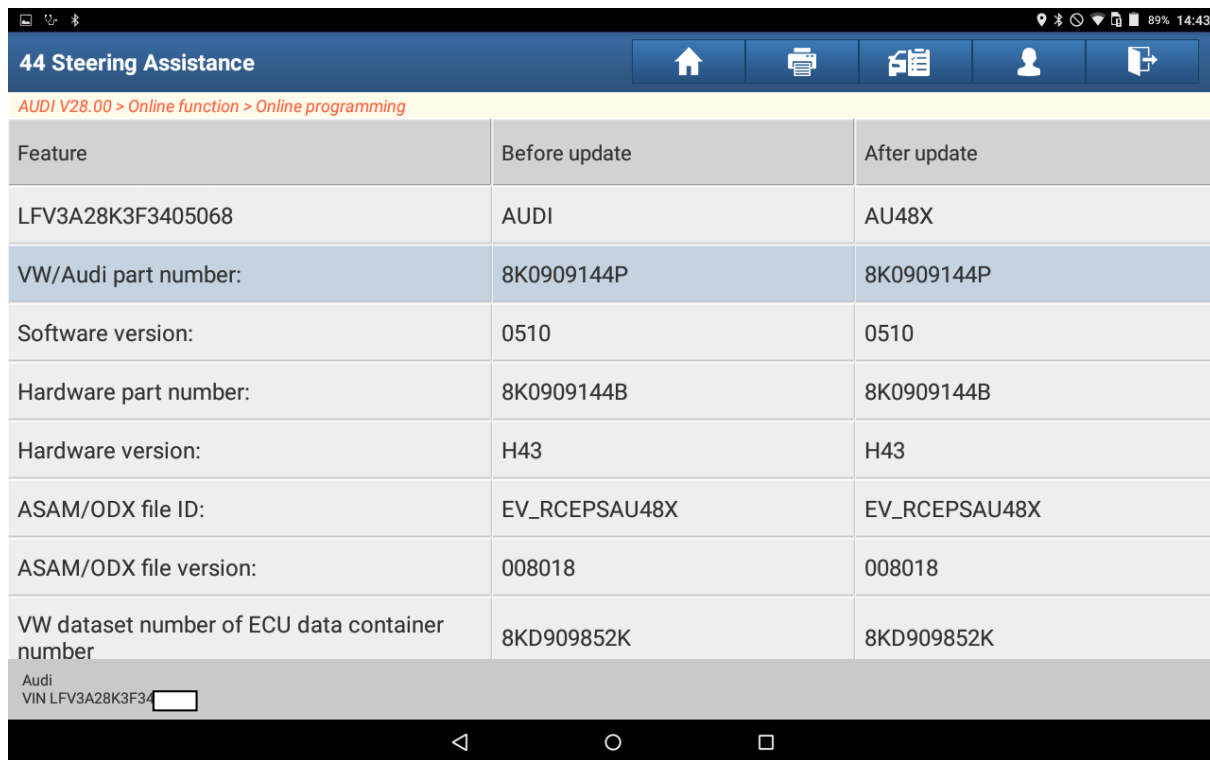


Figure 17

- 8) Click OK. Vehicle information before and after ECU programming are read again and displayed as follows. ECU programming is completed successfully.



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 LFV3A28K3F34 <input type="text"/>		

Figure 18

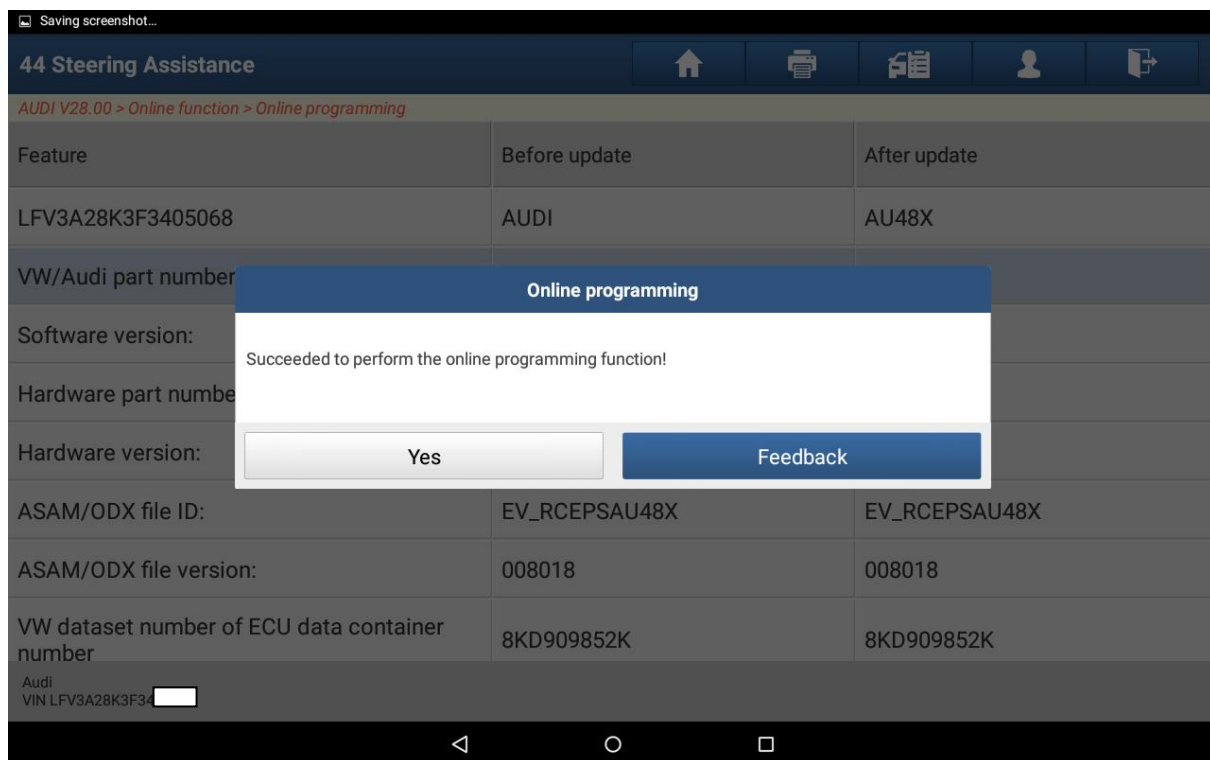


Figure 19

9) After programming is completed, the following two items in software information are blank:

- VW dataset number or ECU data container number -----
- VW dataset version number ----

10) The next is to configure online parameters. Return to the Online Function menu, choose Online Parametric Configuration, and read the displayed information carefully.

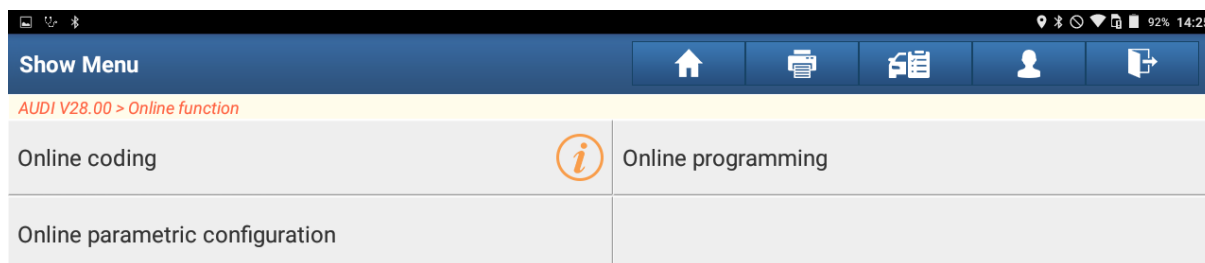


Figure 20

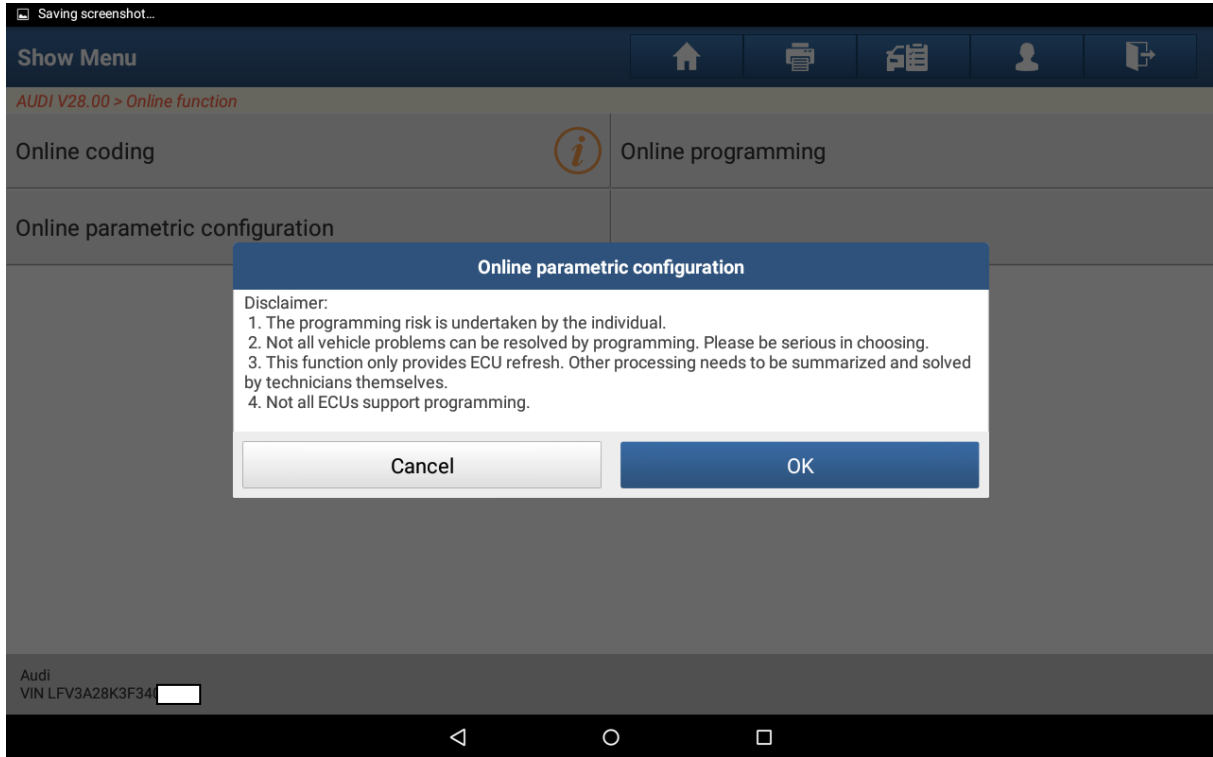


Figure 21

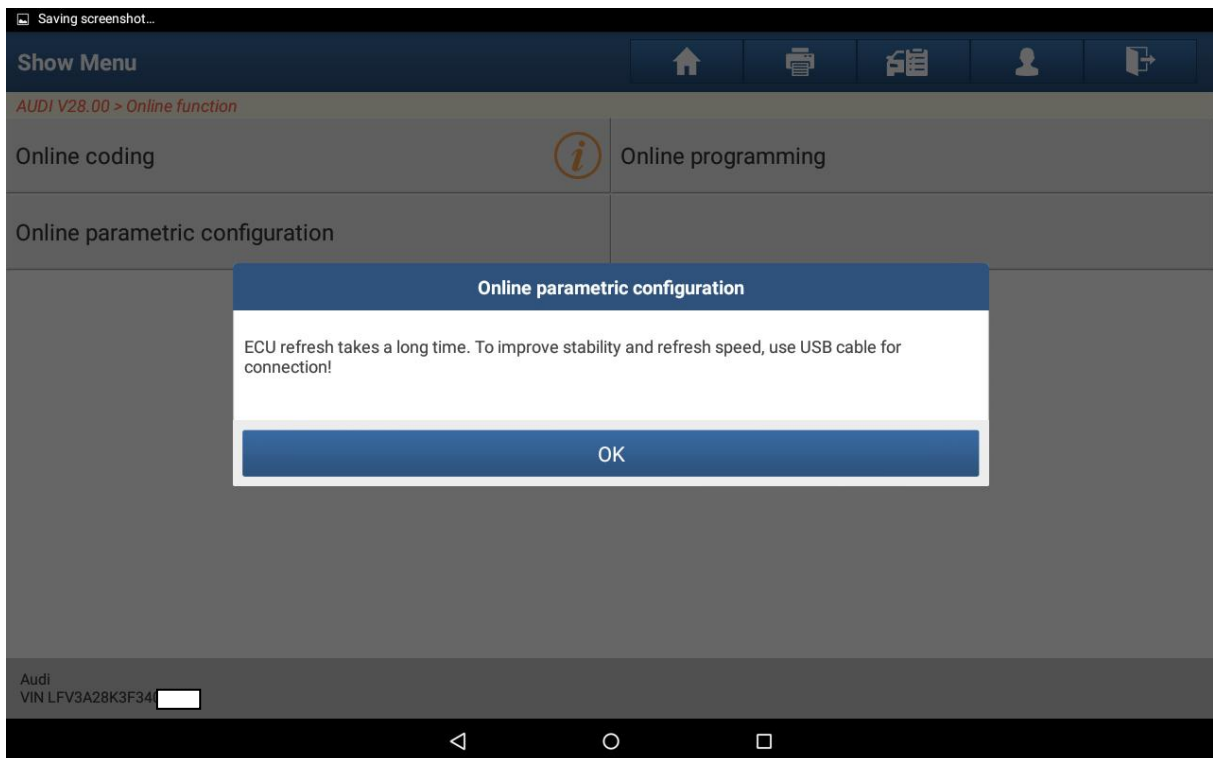


Figure 22

11) Click OK to scan the systems that require parametric configuration. The scanning result is as follows.

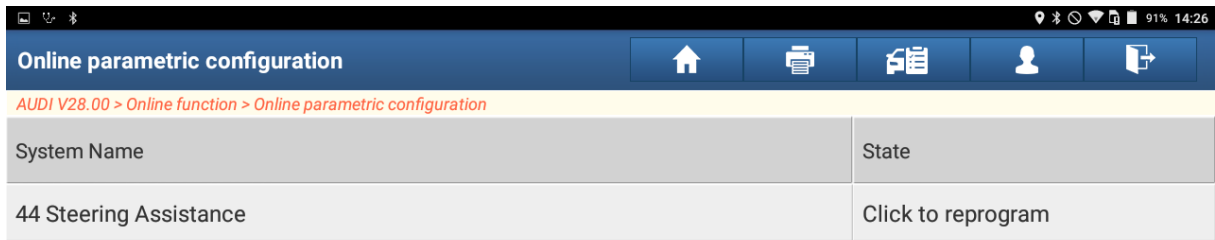


Figure 23

12) Choose "Click to reprogram" to perform parametric configuration for 44 steering assistance, which takes a few time. See Figure 24.

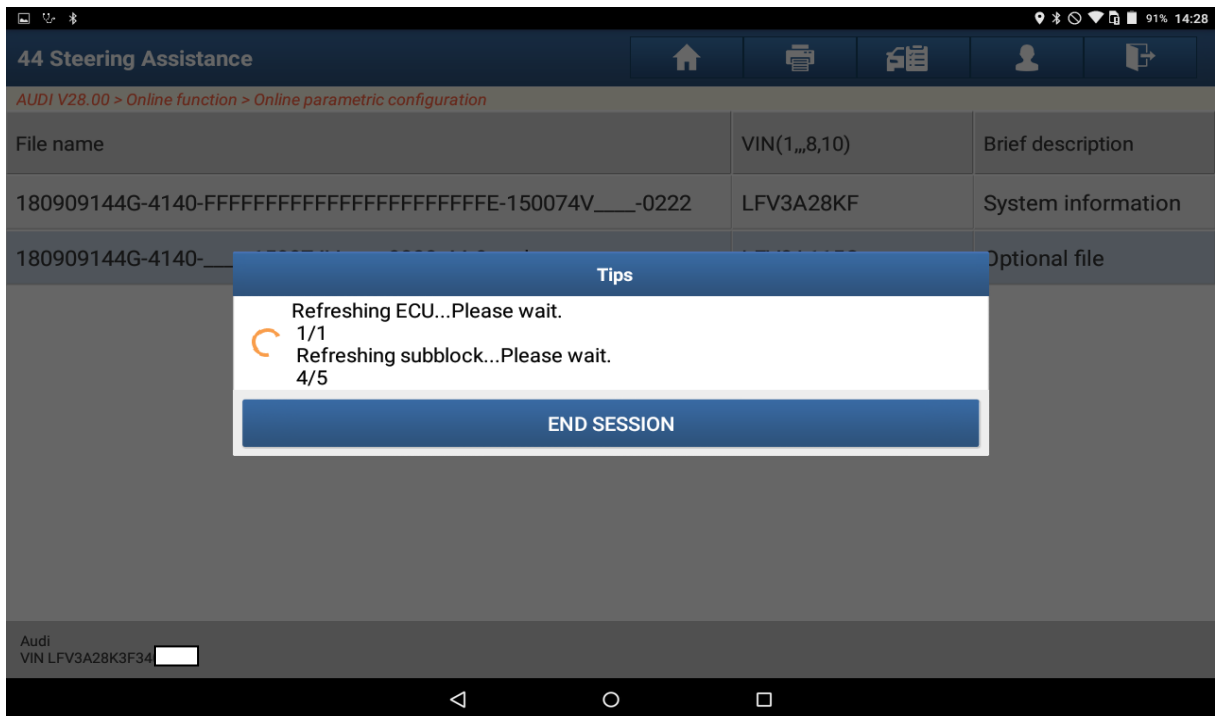


Figure 24

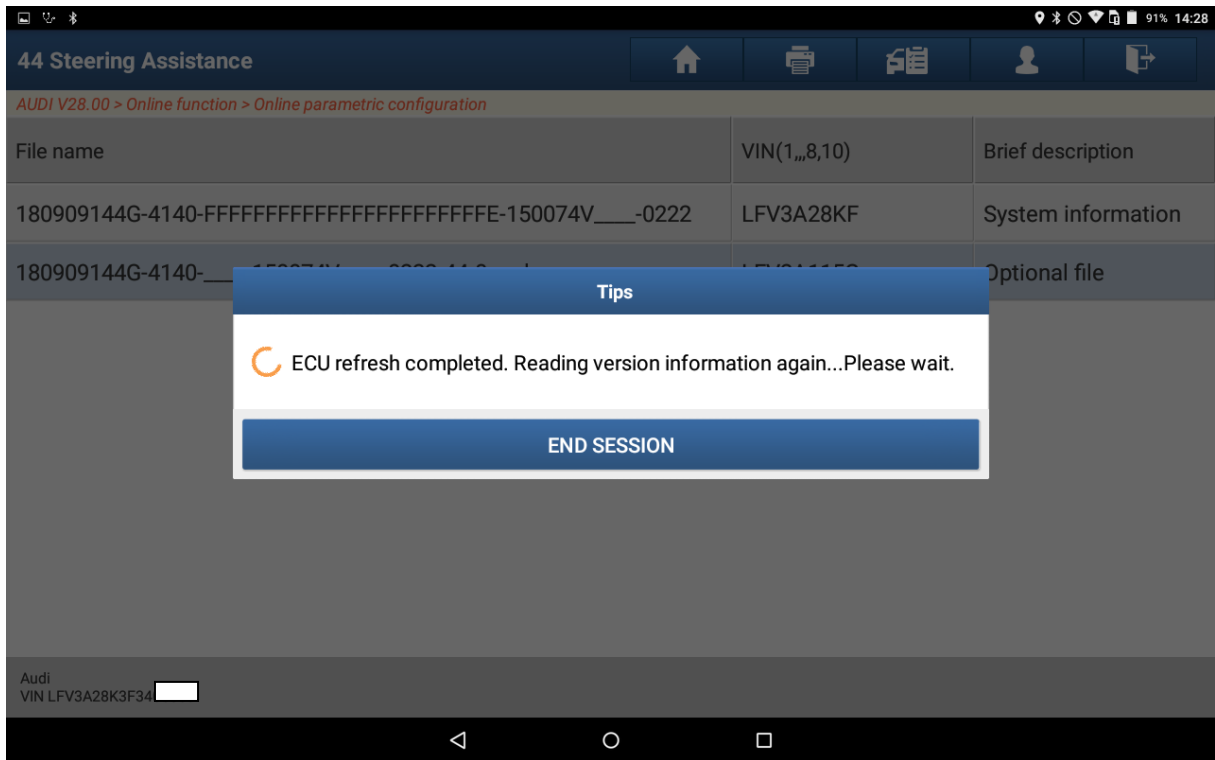


Figure 25

13) After the preceding operations are completed, a message is displayed, asking you to turn off ignition for 30s and then clear DTCs.

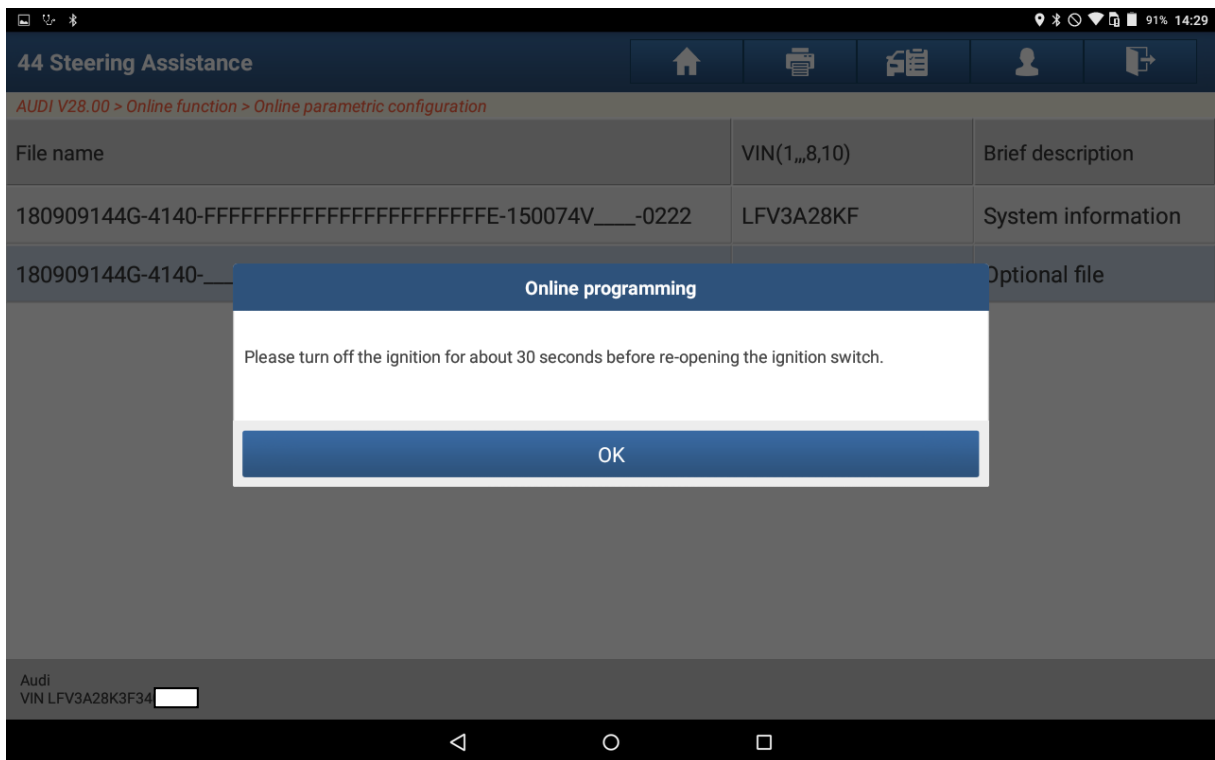


Figure 26

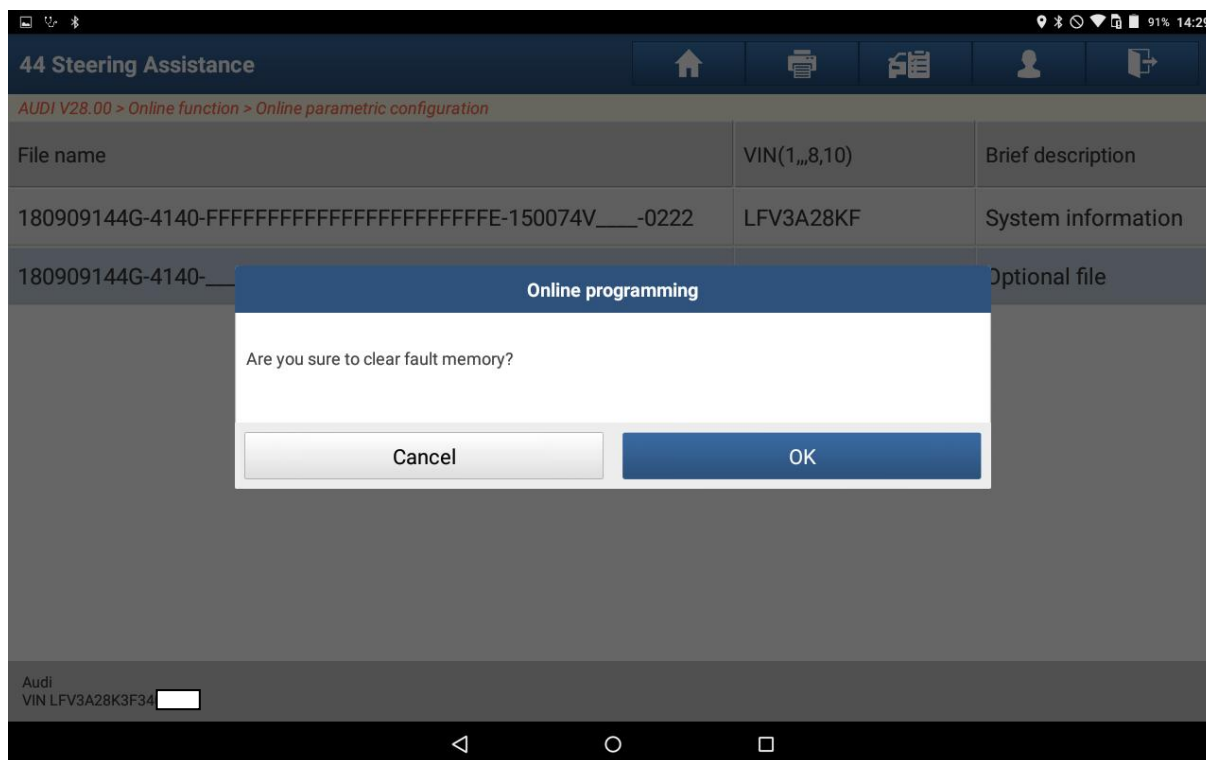


Figure 27

14) After clearing DTCs is completed, vehicle information before and after parametric configuration is displayed. Now, the parametric configuration file has been reprogrammed.

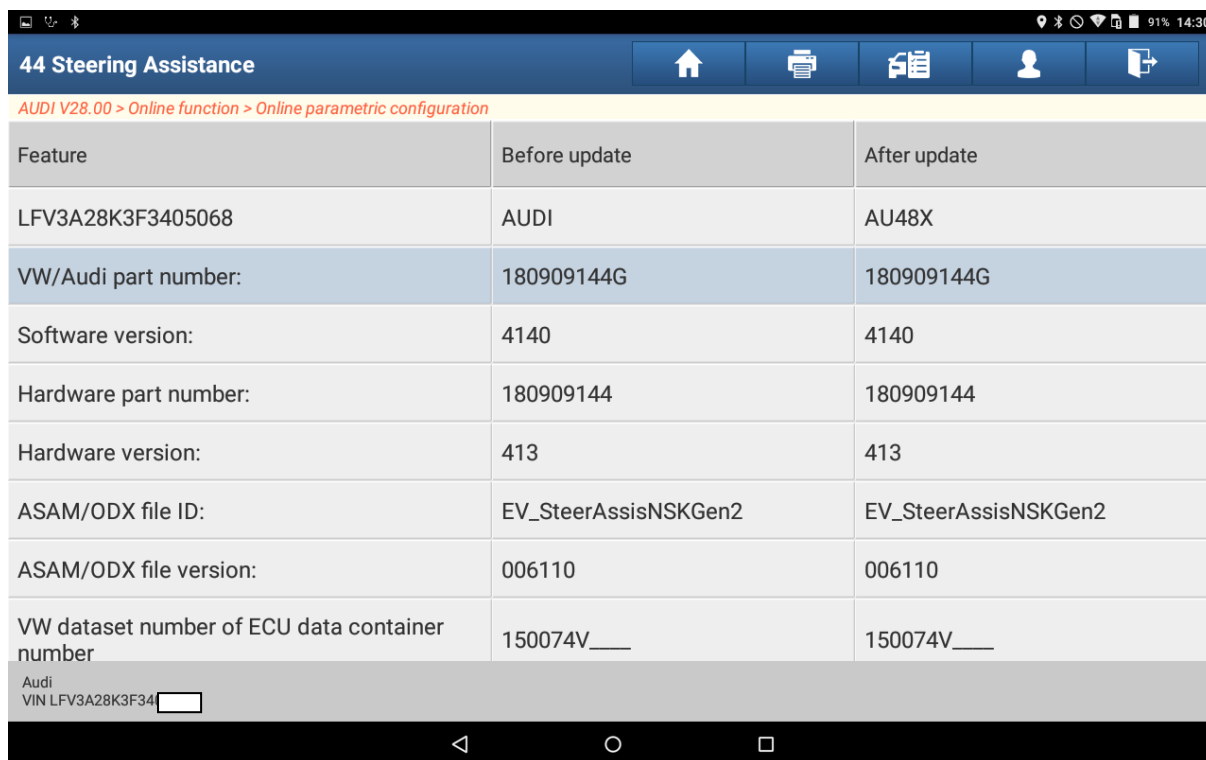


Figure 28

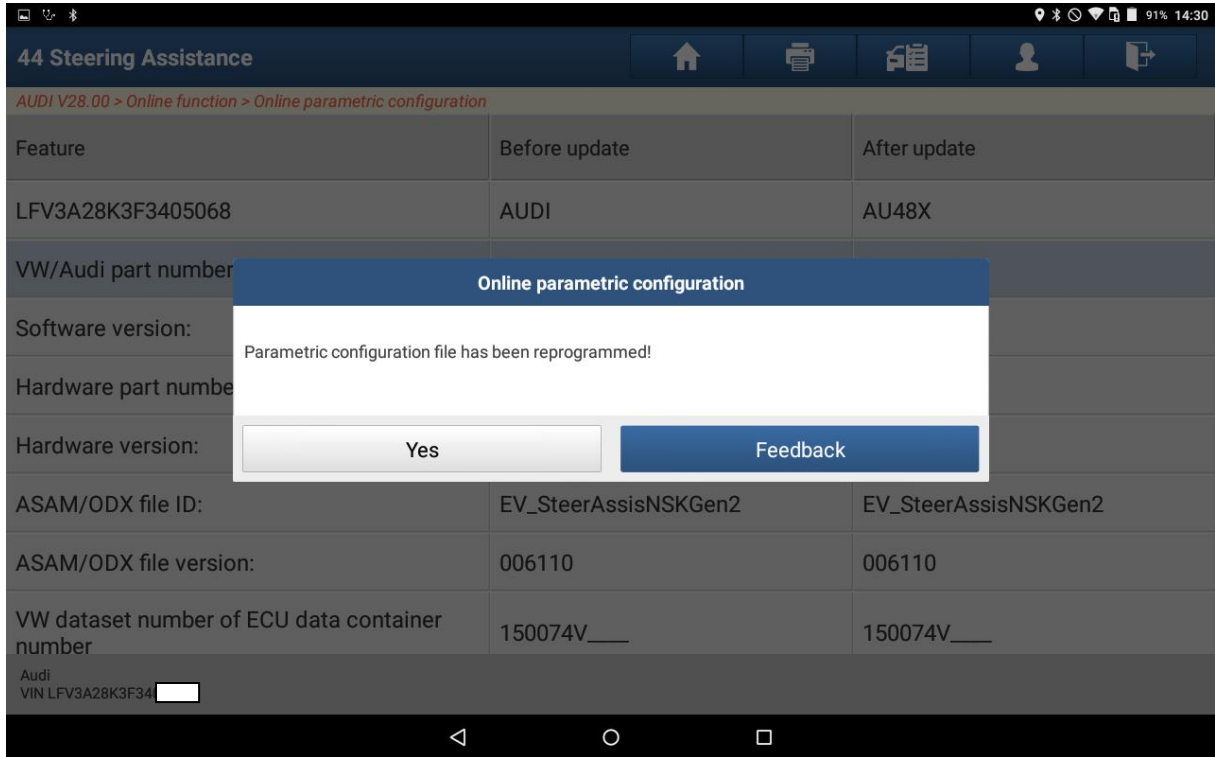


Figure 29

15) After the preceding operations are completed, read DTCs again. No DTC exists and the MIL turns off.

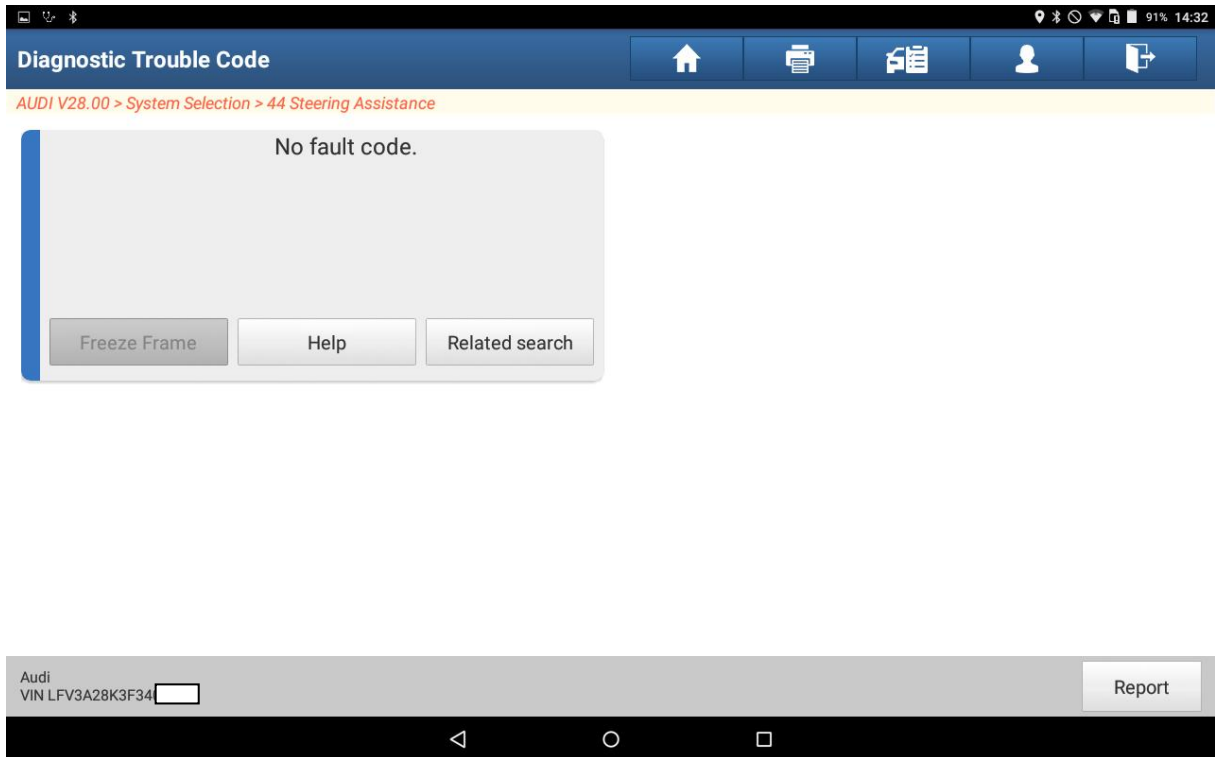


Figure 30

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