CGDI BMW FEM/BDC Add Key & All Keys Lost

Here's the tutorial on BMW FEM/BDC key programming (add key & all keys lost) by using **CGDI Prog BMW key programmer**.

1.Read and Backup eeprom

2.Add a key (copy key with key)

3. Program all keys lost (copy key without key)

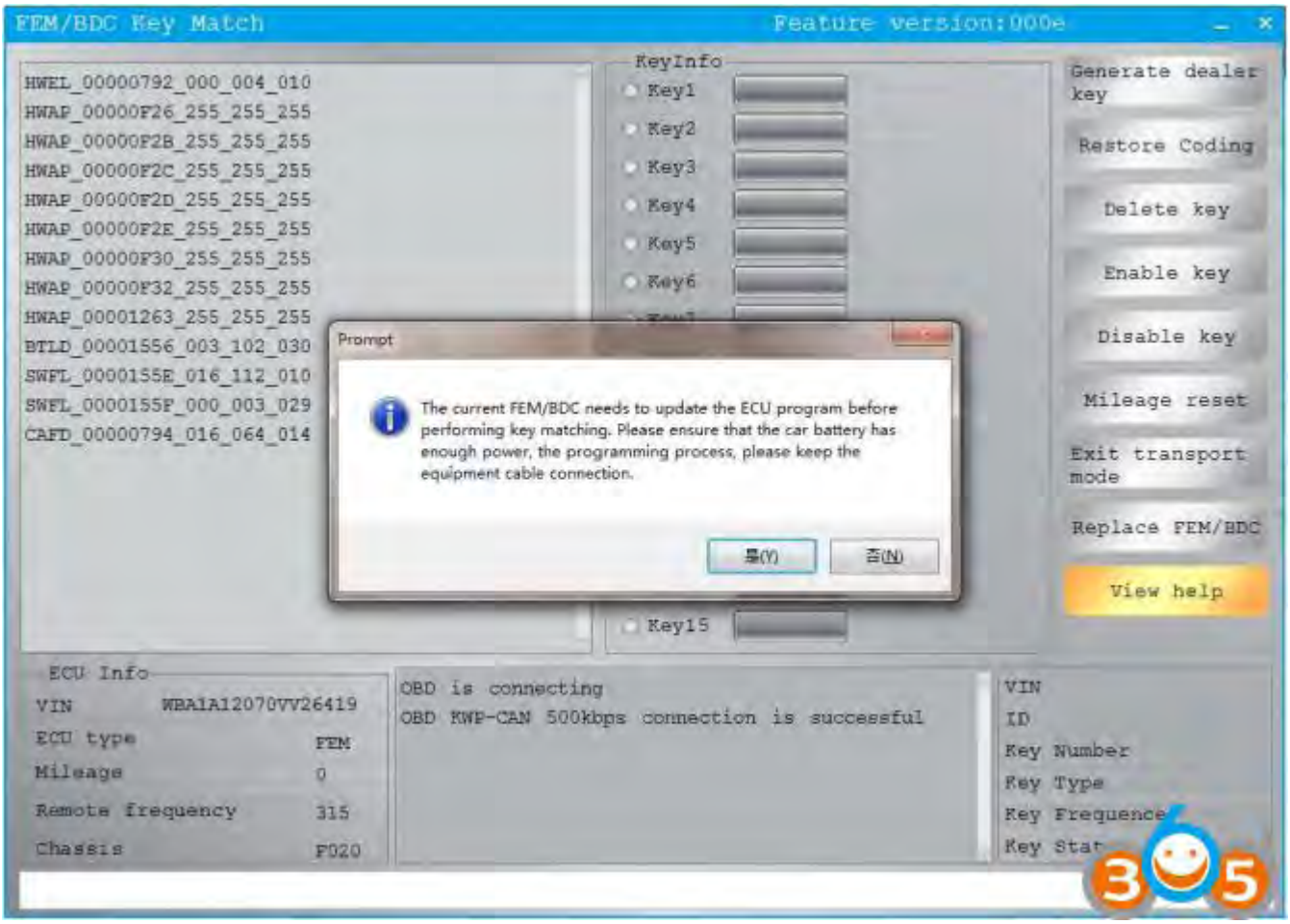
1.Read & Backup Data

Connect CGDI BMW with vehicle via OBD diagnostic socket

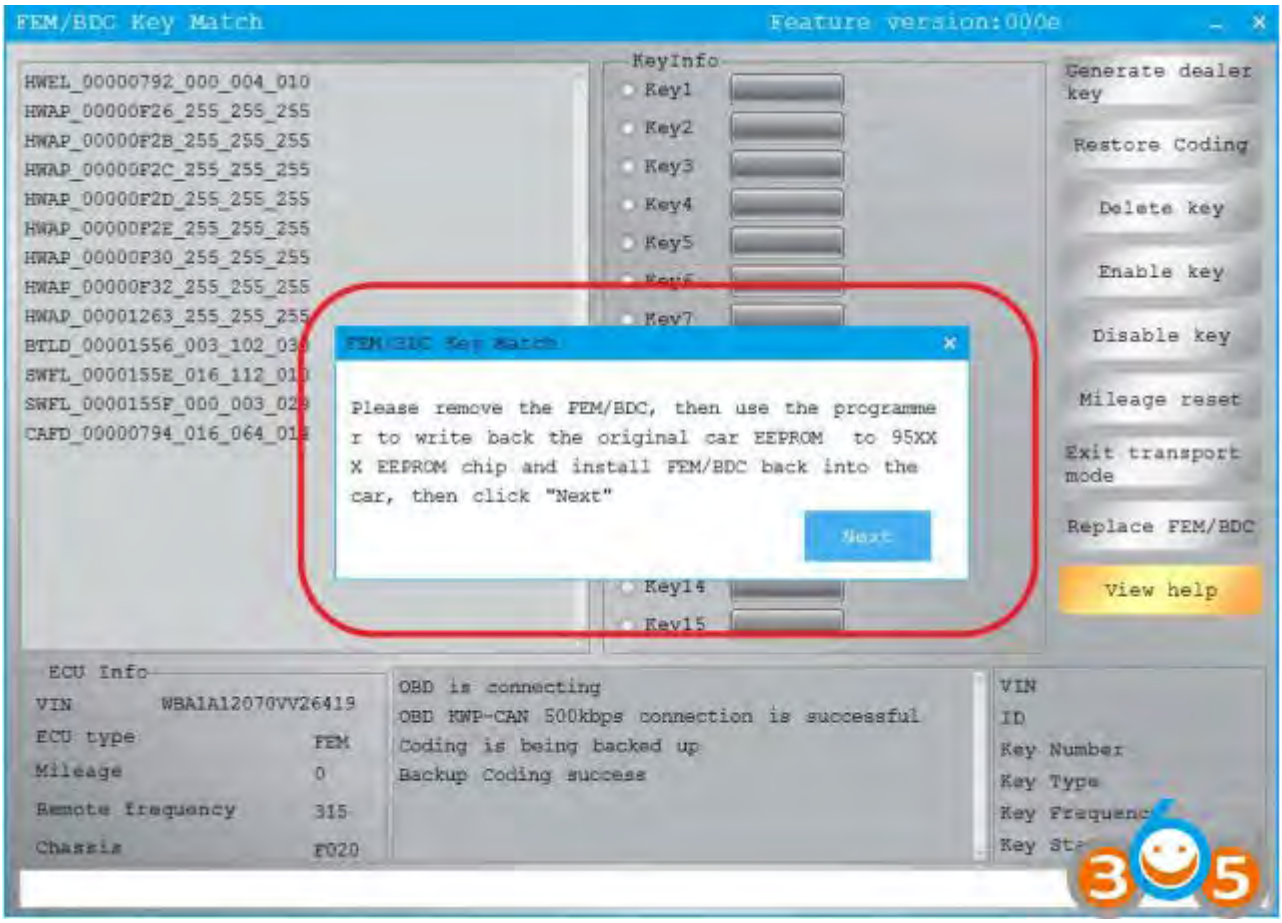
maintains voltage above 12v , do not turn off the computer screen during operation.

Open CGDI BMW software

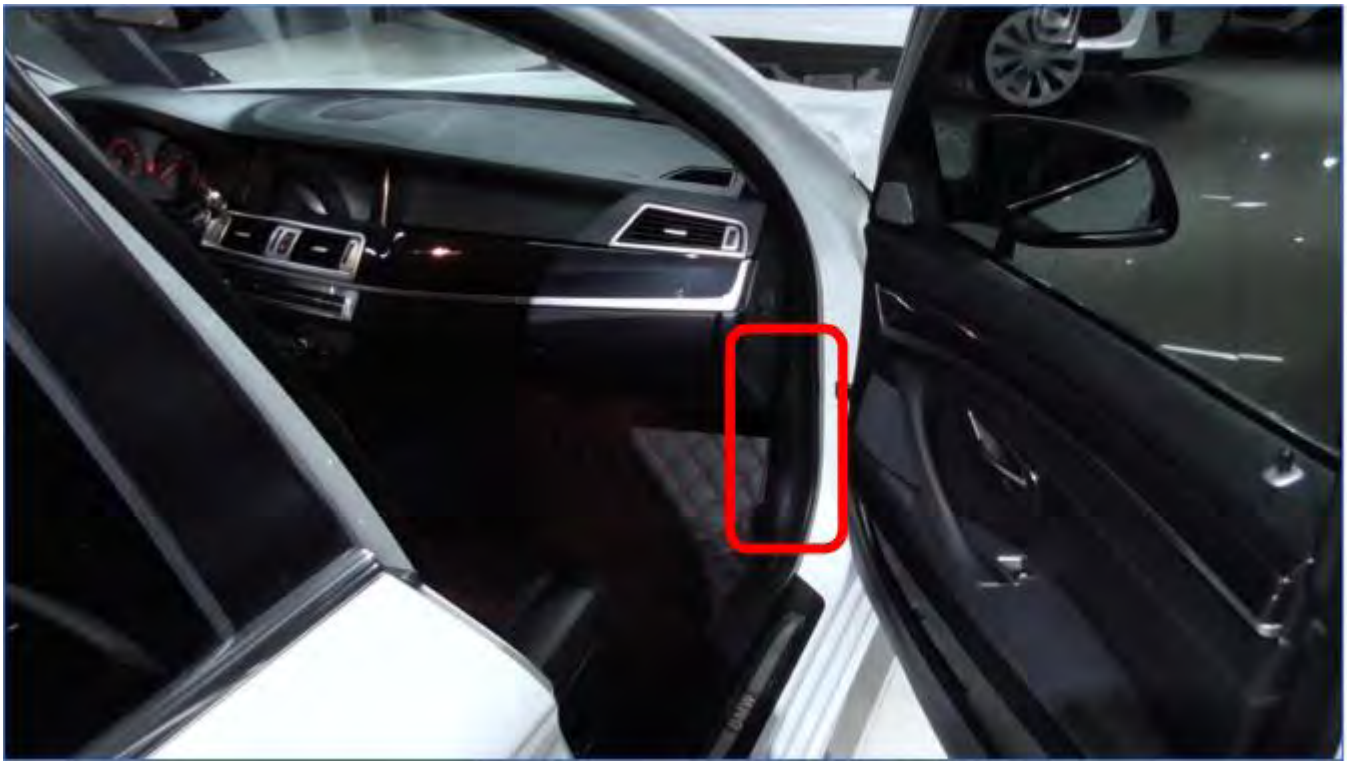
Select “FEM/BDC key match” and click enter



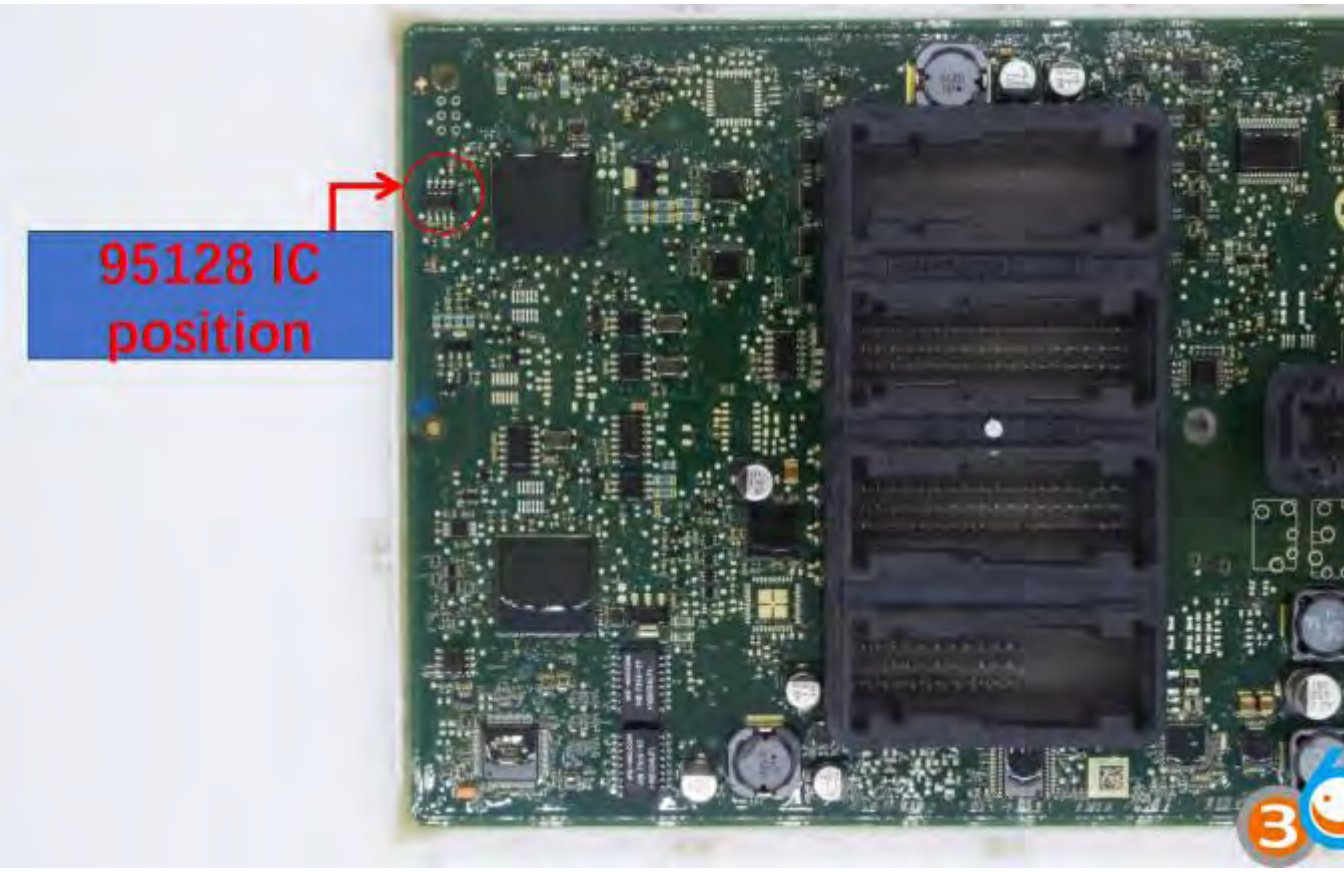
Connect successfully, maintain enough voltage, click “yes”



Need to disassemble the module, read EEPROM data, FEM is 95128

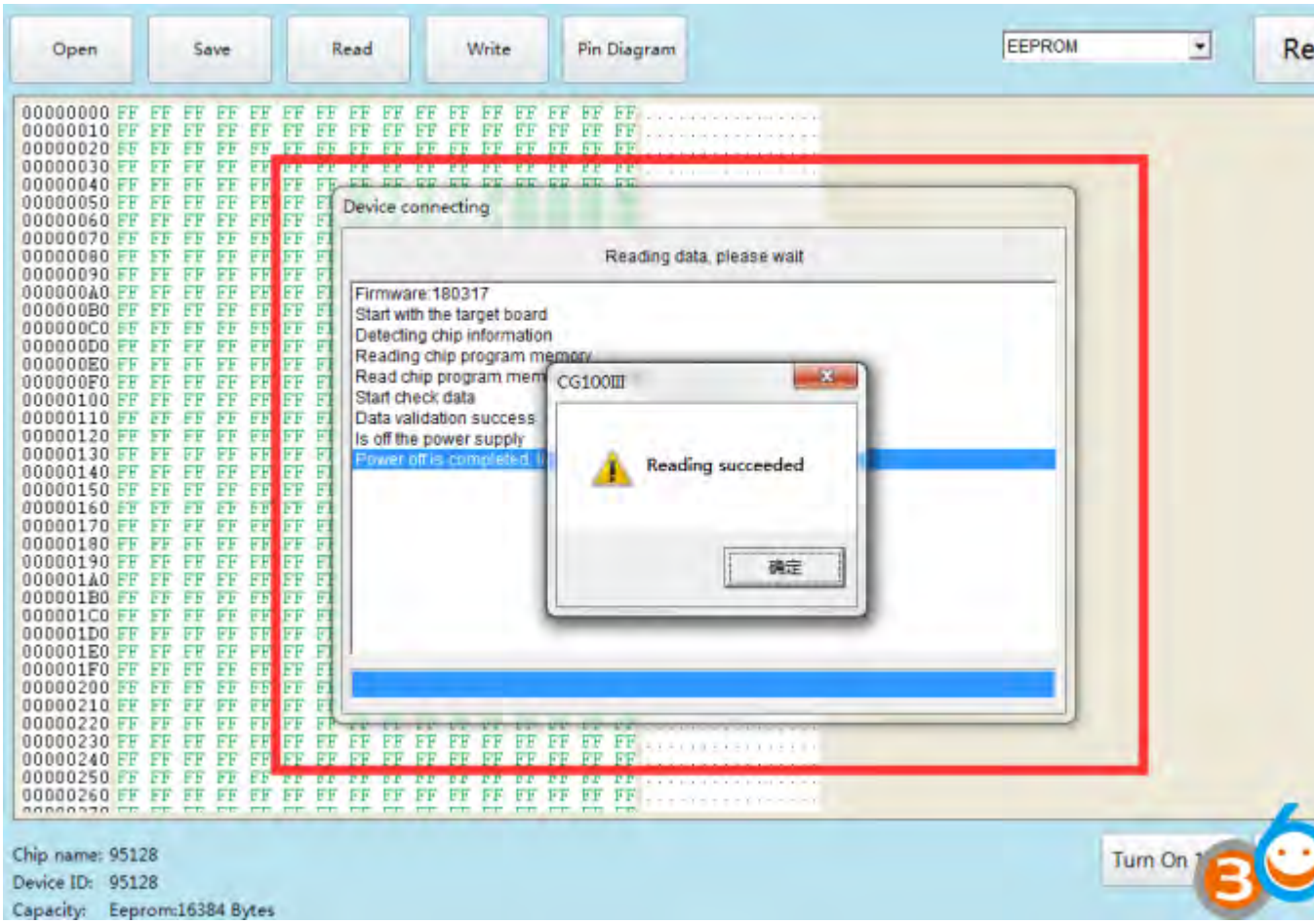


FEM module installation location

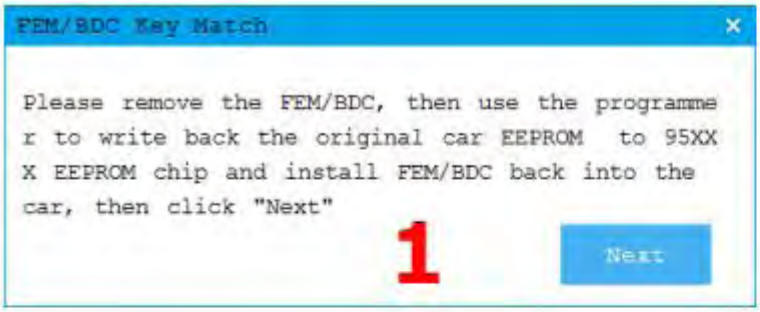


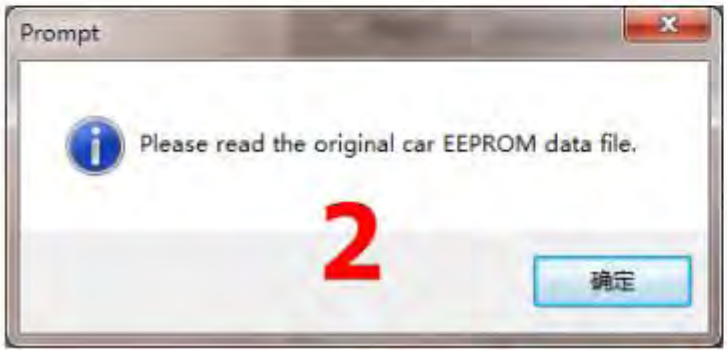
Use CG100 Prog to read out 95128 IC data and save the data

Remove the 95128 chip, wash it, and clip it to the **ATMEGA adapter**

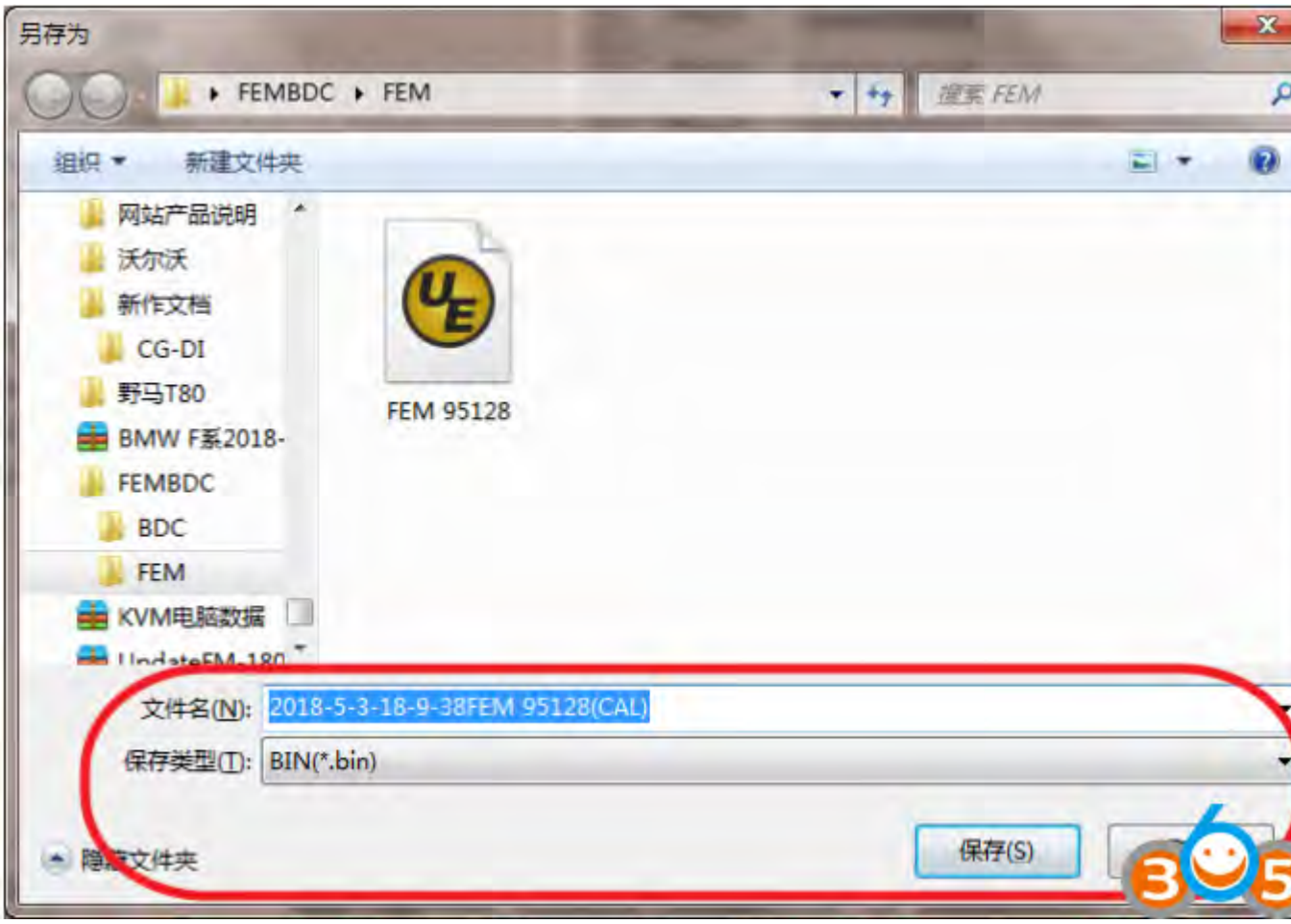


Open the CG-100 to read the data and save it

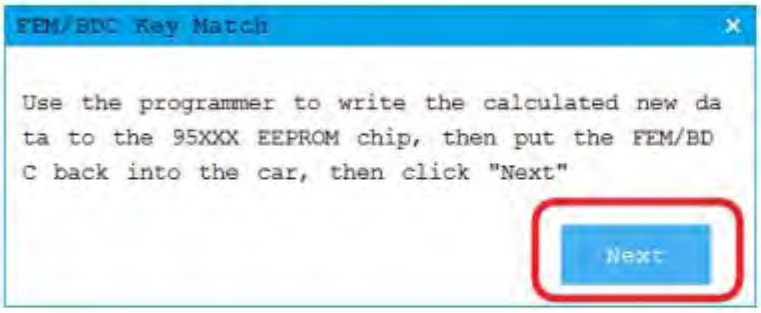


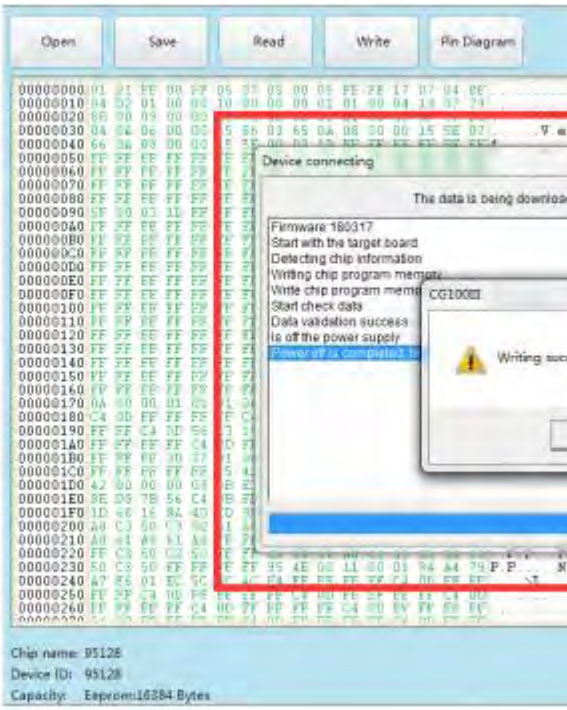


Go back to cgdi and load the data

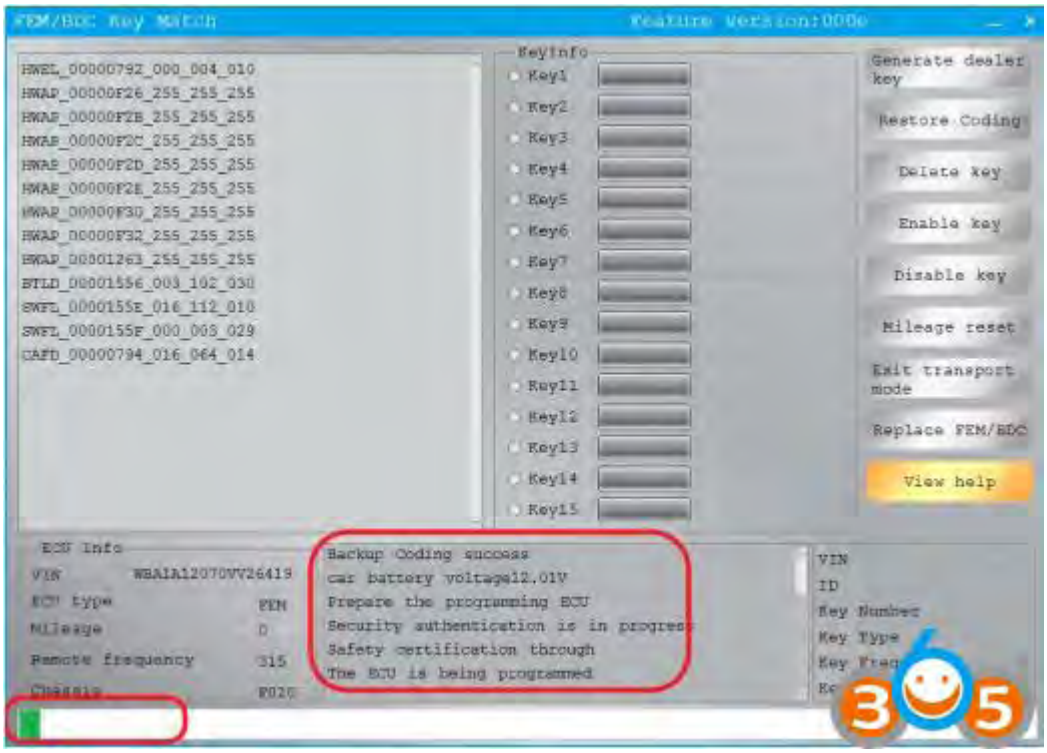


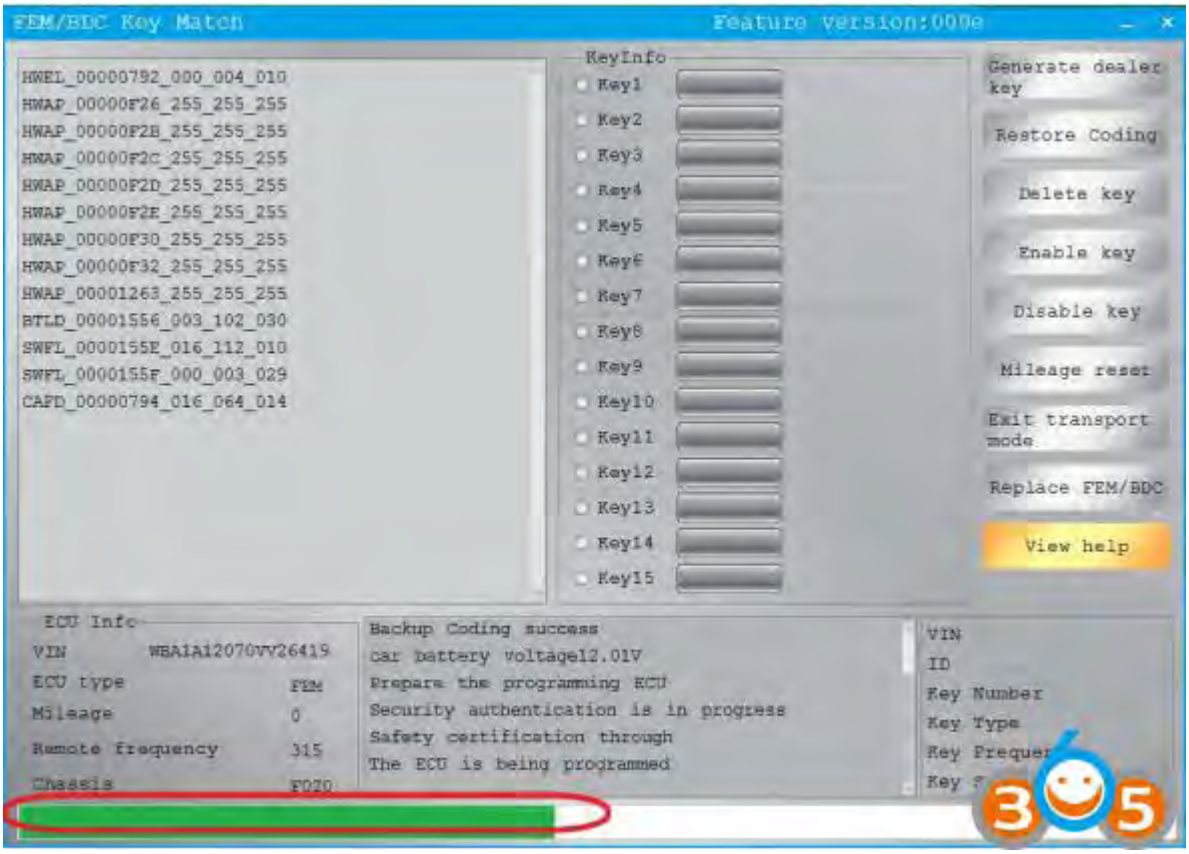
Load successfully, save the new data generated by the system



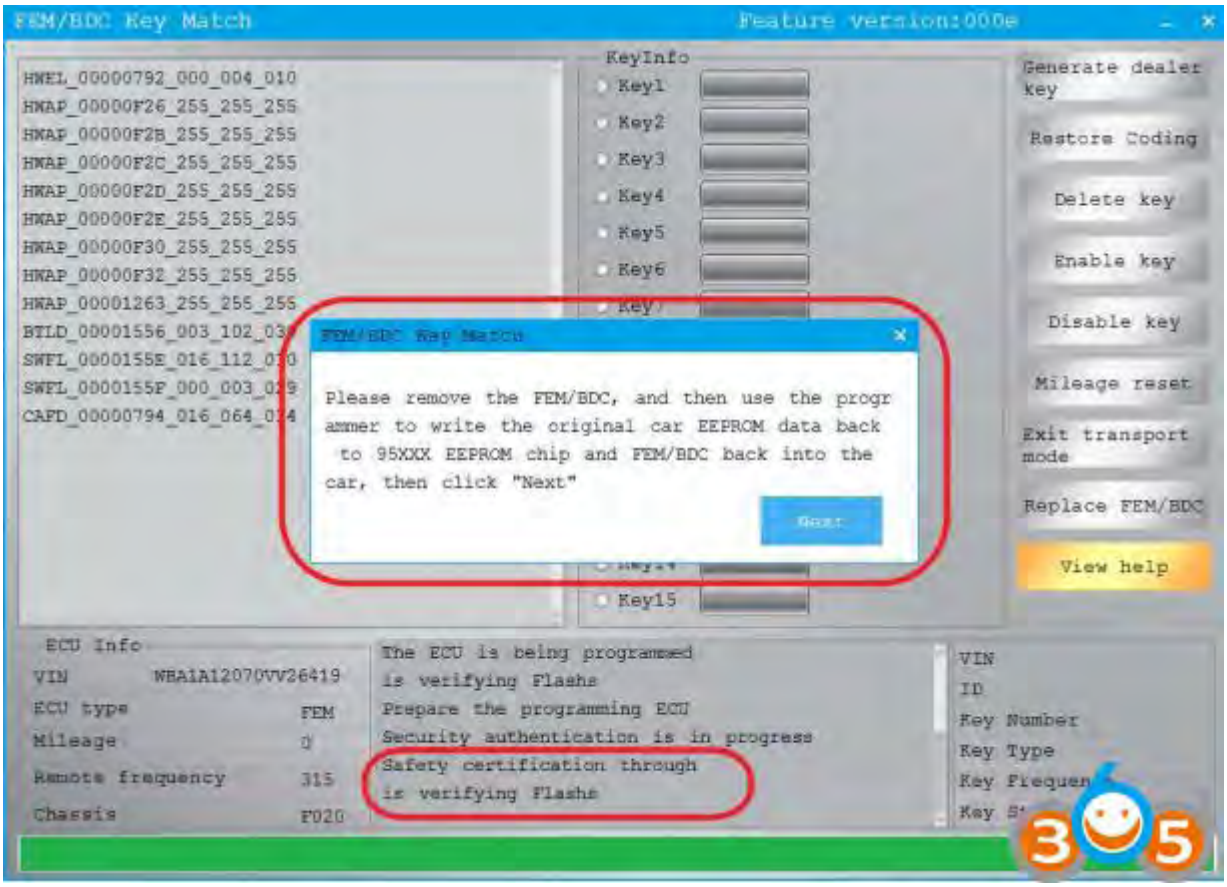


Write back new data with cg-100, weld back to module, and click next

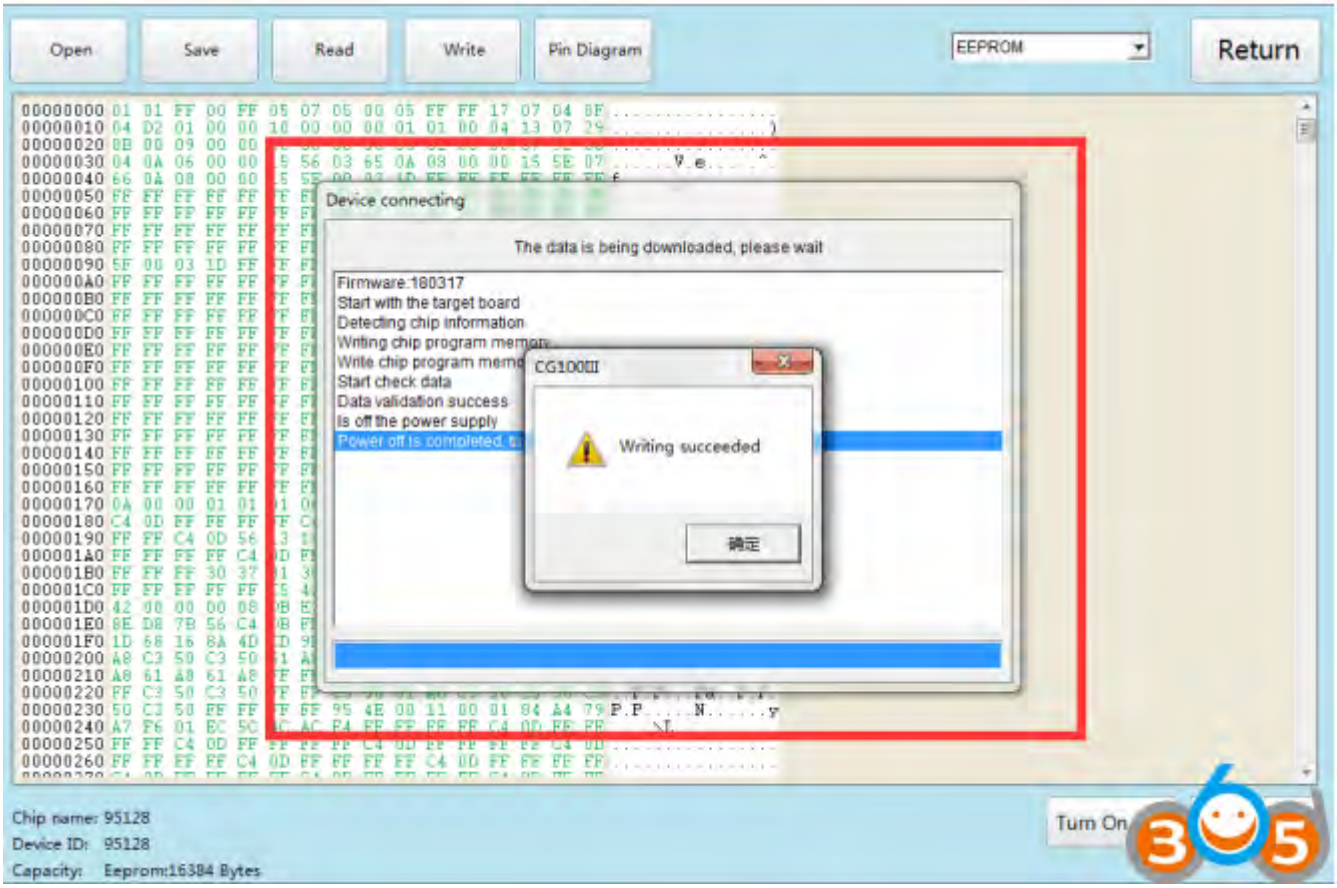




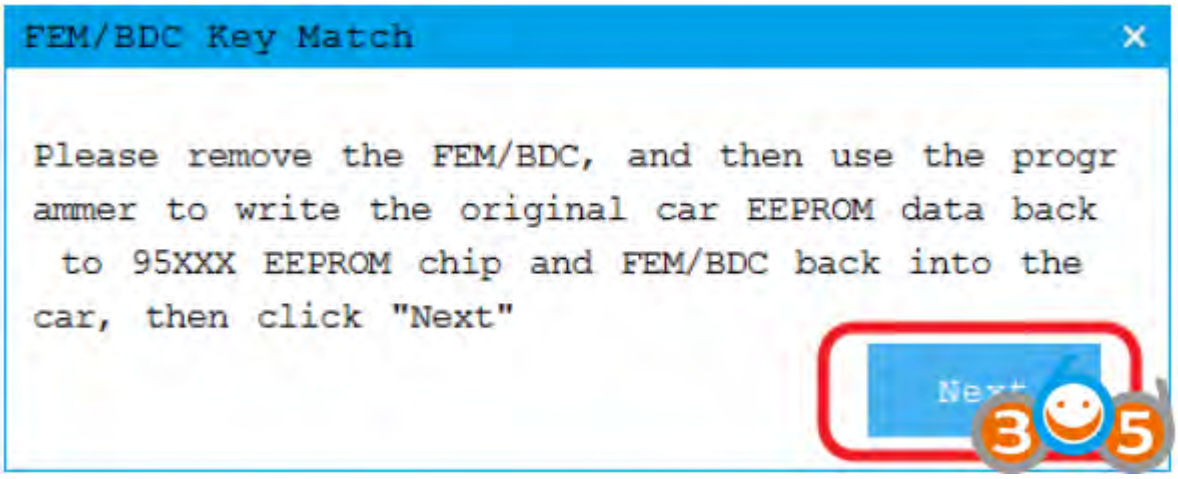
Waiting for programming



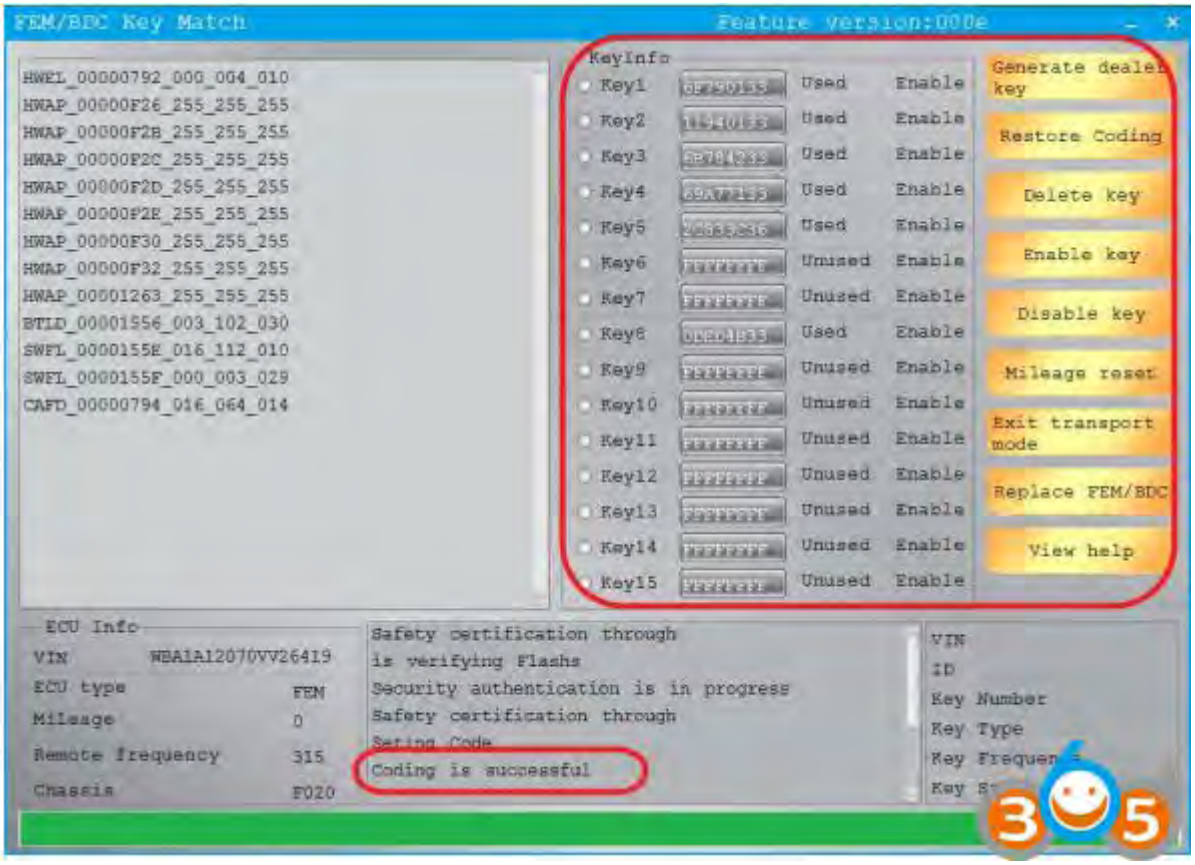
After programming, write back 95128 original data,
put FEM into the car again, and click next



Use CG100 to write back 95128 original data



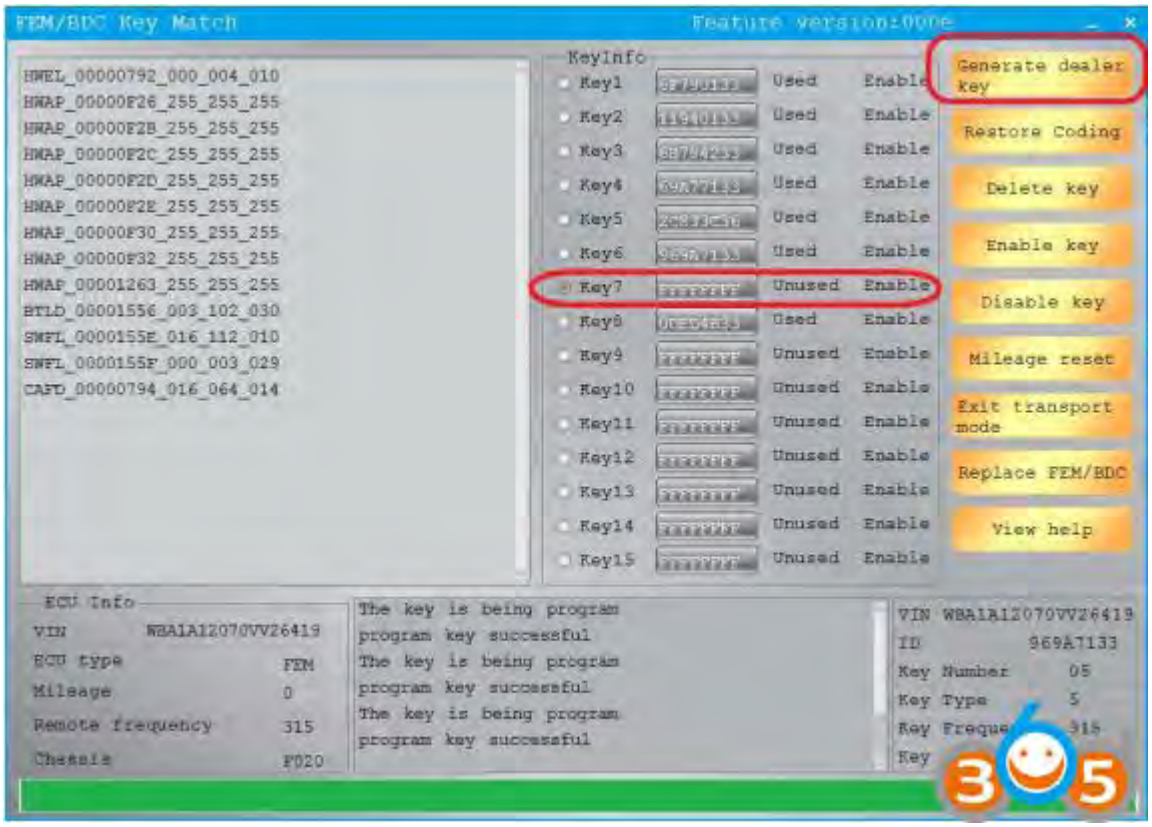
When finished, click “next”



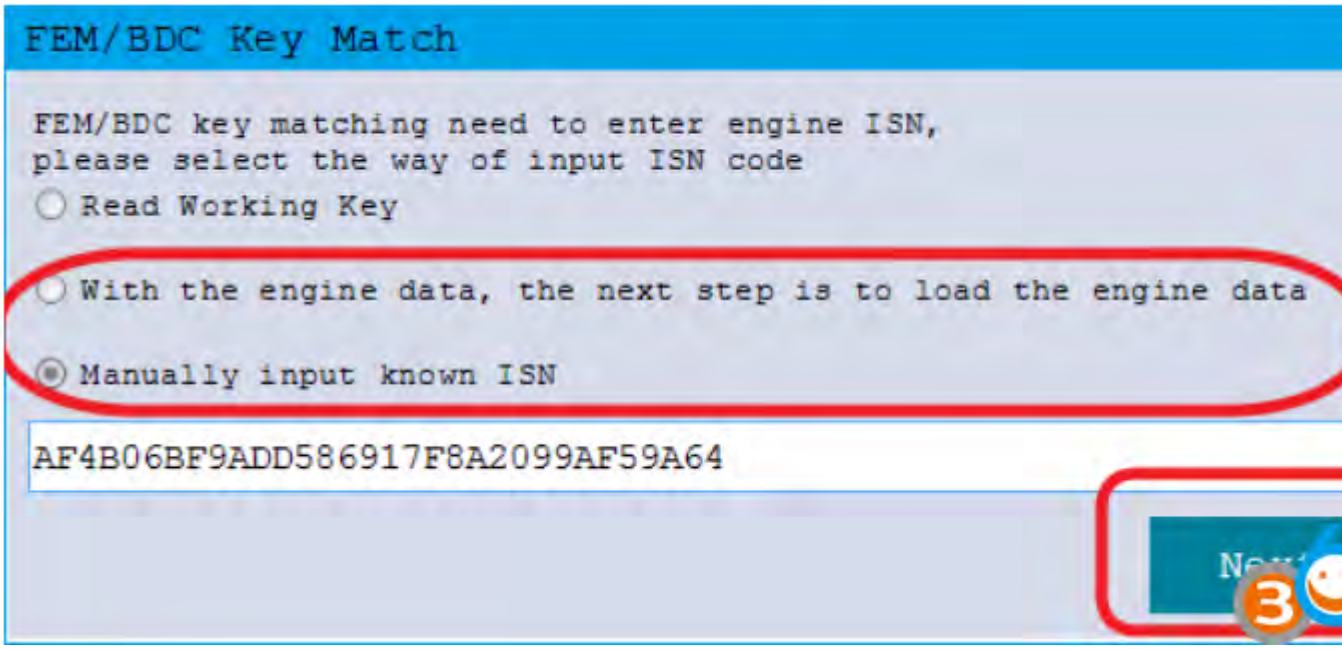
Set code successfully, customers can do any operation.

2. Add FEM/BDC key with CGDI BMW

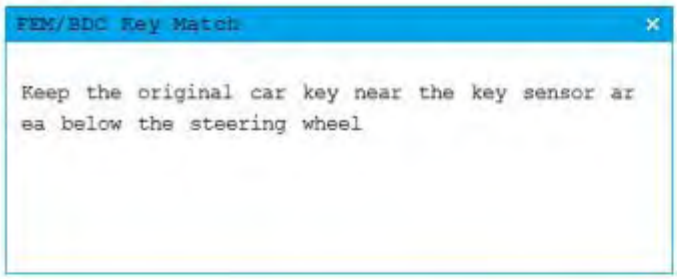
Copy key with key

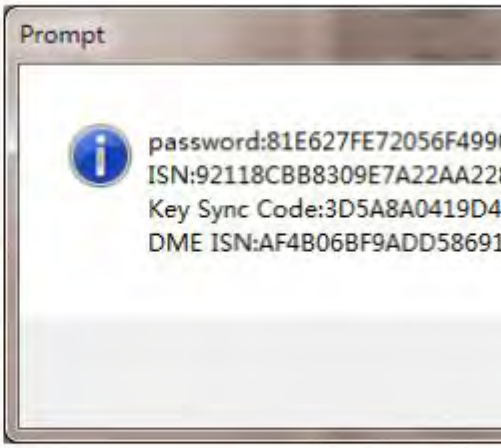


choose the unused key, and click “generate the dealer key”



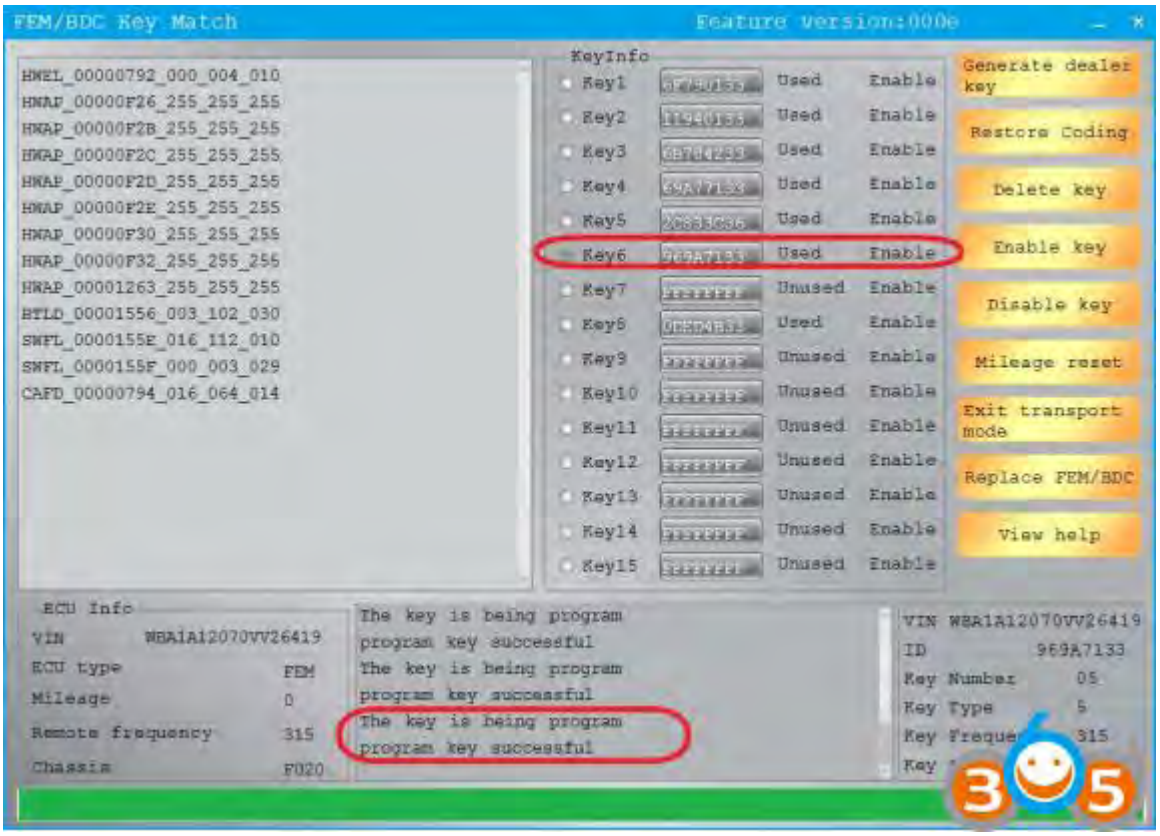
Read working key,click Next





Read successfully and display information

Program the new key

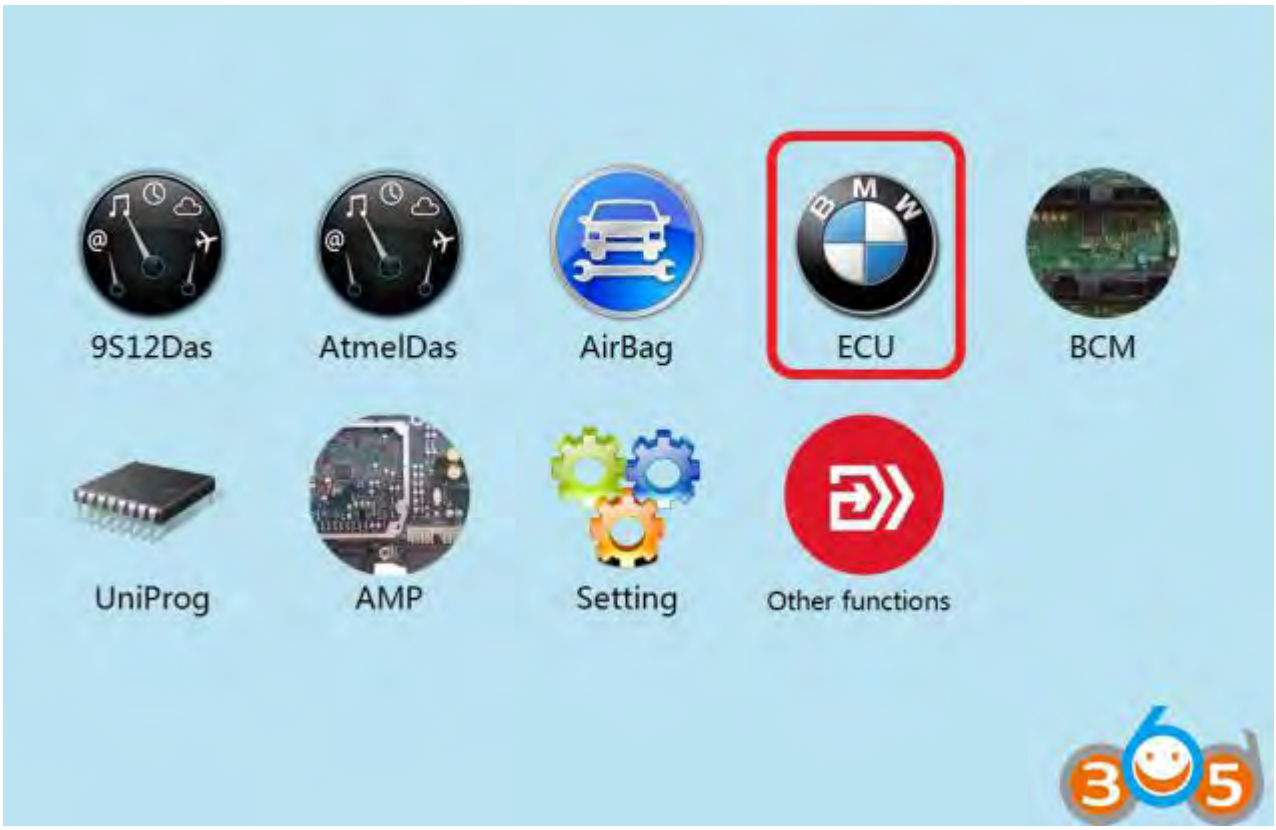


The new key matched successfully.

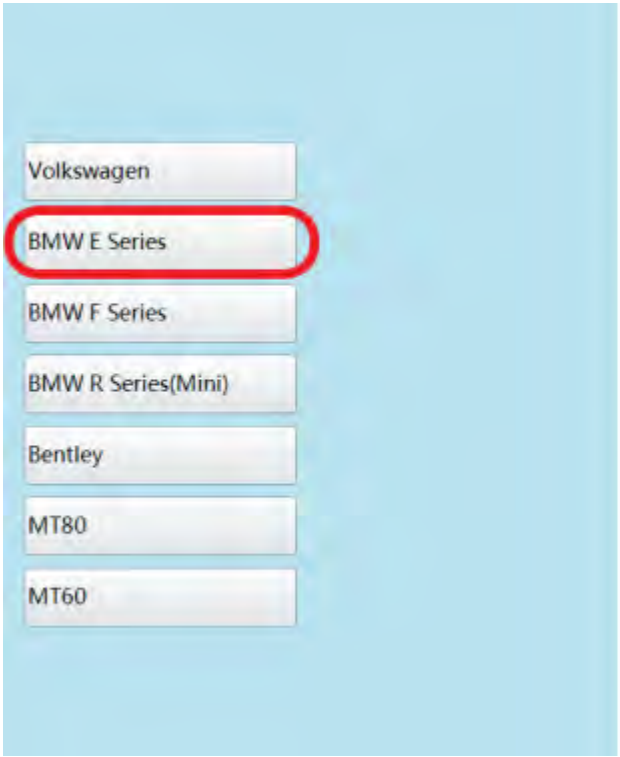
3. CGDI BMW Program FEM/BDC All Keys Lost

Copy key without key

Using CG100 to read the engine data



Click to enter “ECU



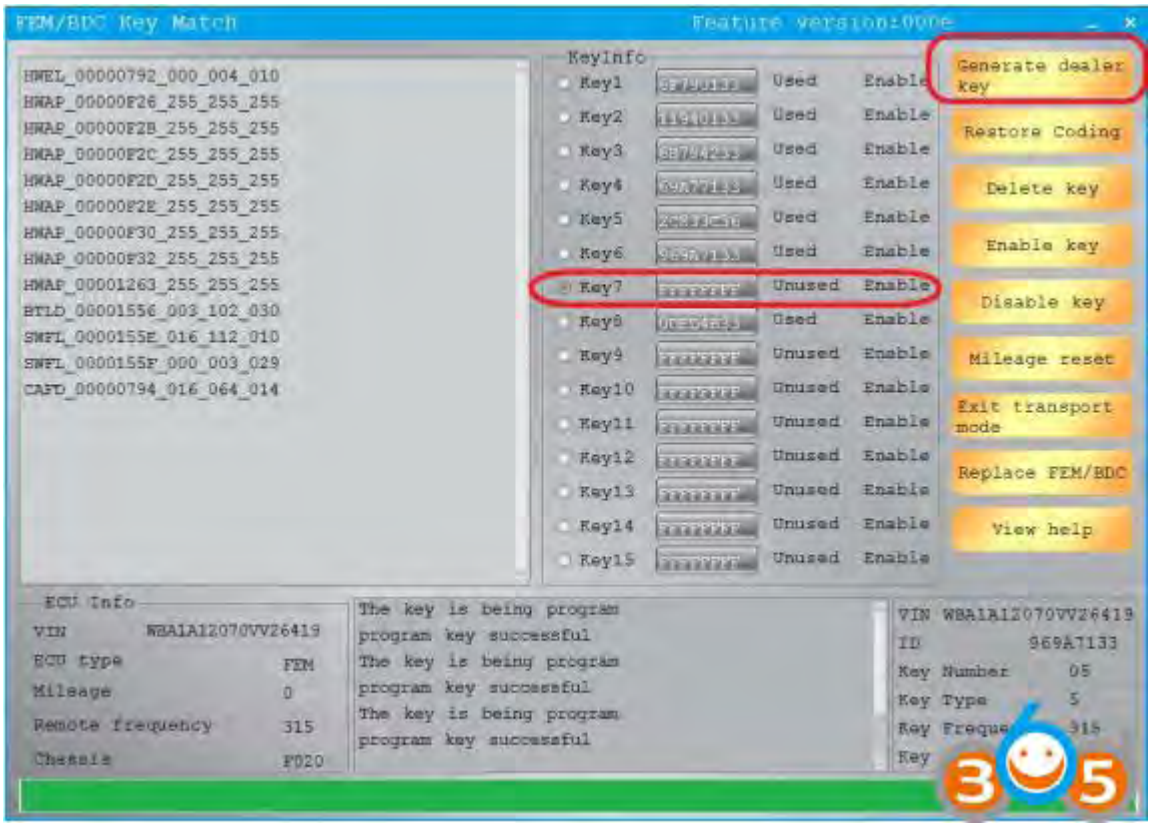
Click on the engine model option to enter the current vehicle

According to the software physical wiring diagram wiring

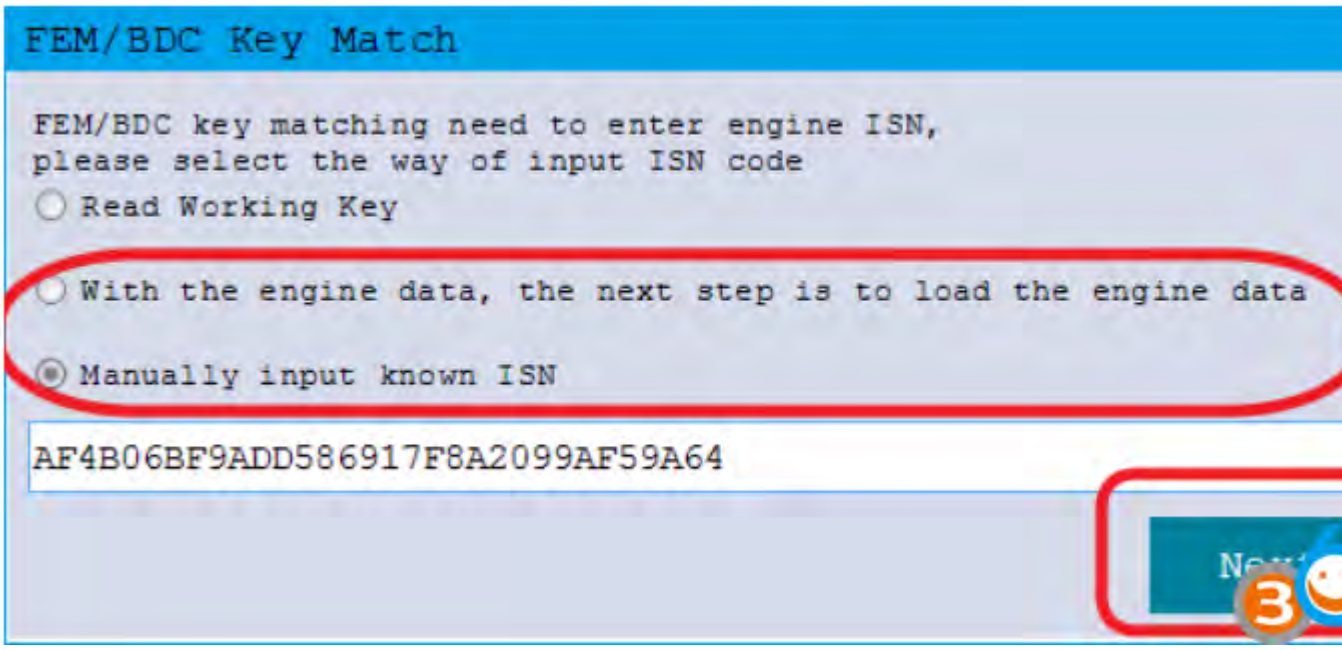
Physical connection

Read successfully and save the data

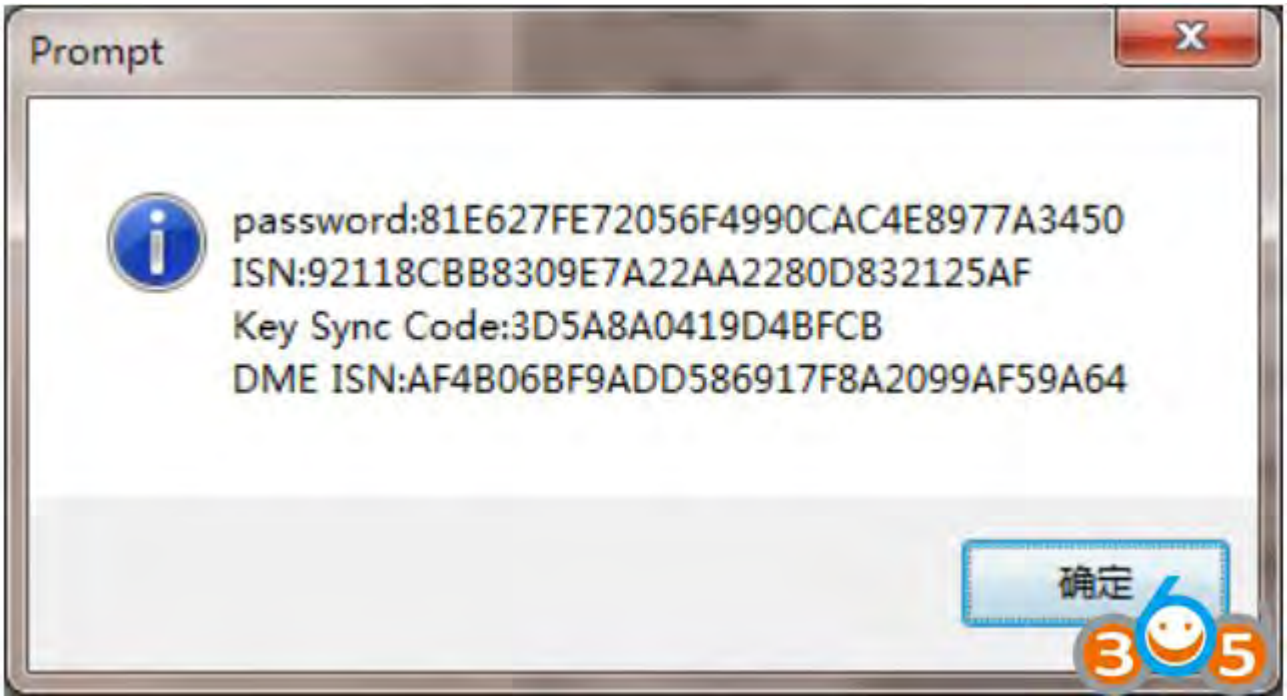
Show ISN and VIN



Return to cg-di, select unused key bits, and click “generate dealer keys”

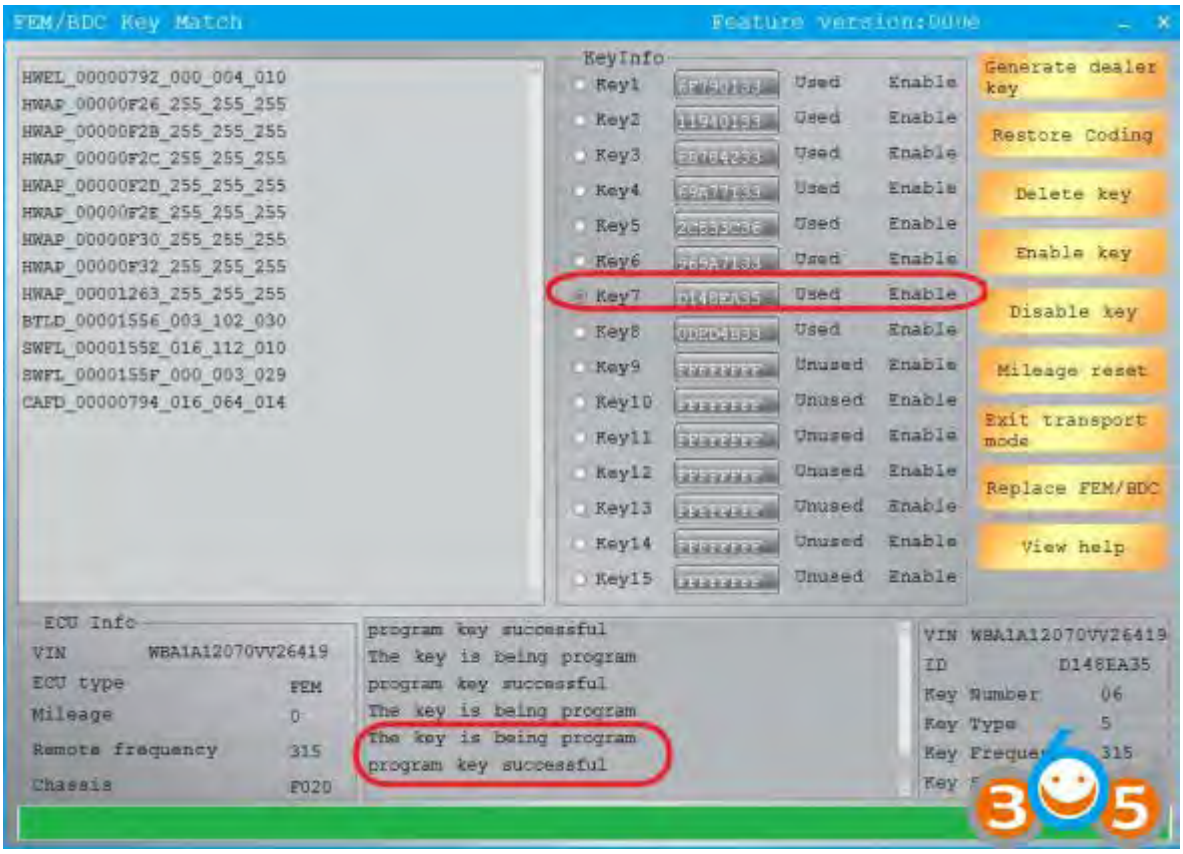


Click on the next item that you select and click next
(Manually input known ISN)



Check the information and click ok

Place new key



New key programming success.

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