



W221

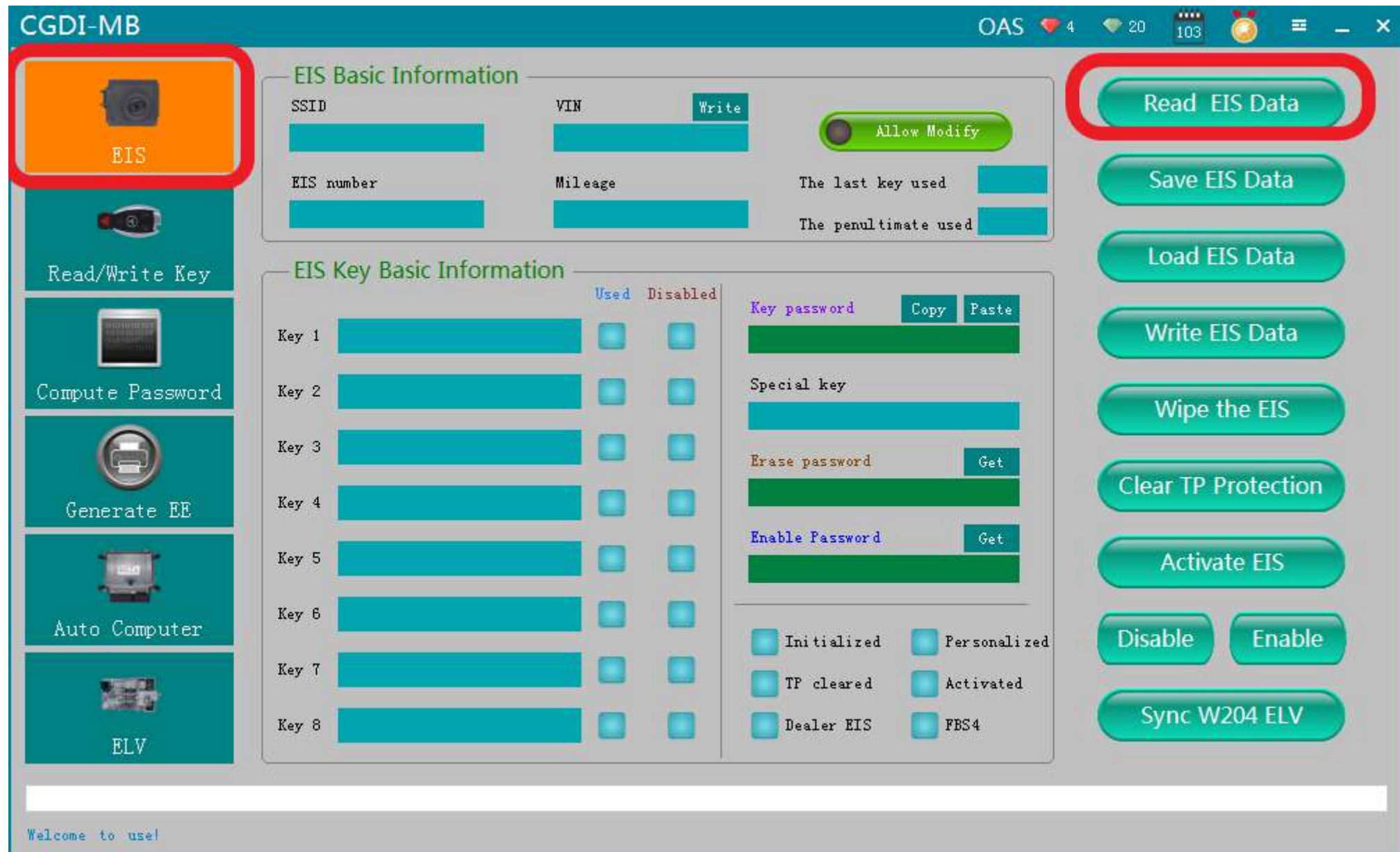
**Empty key Spaces
&
match new keys**

CG-MB

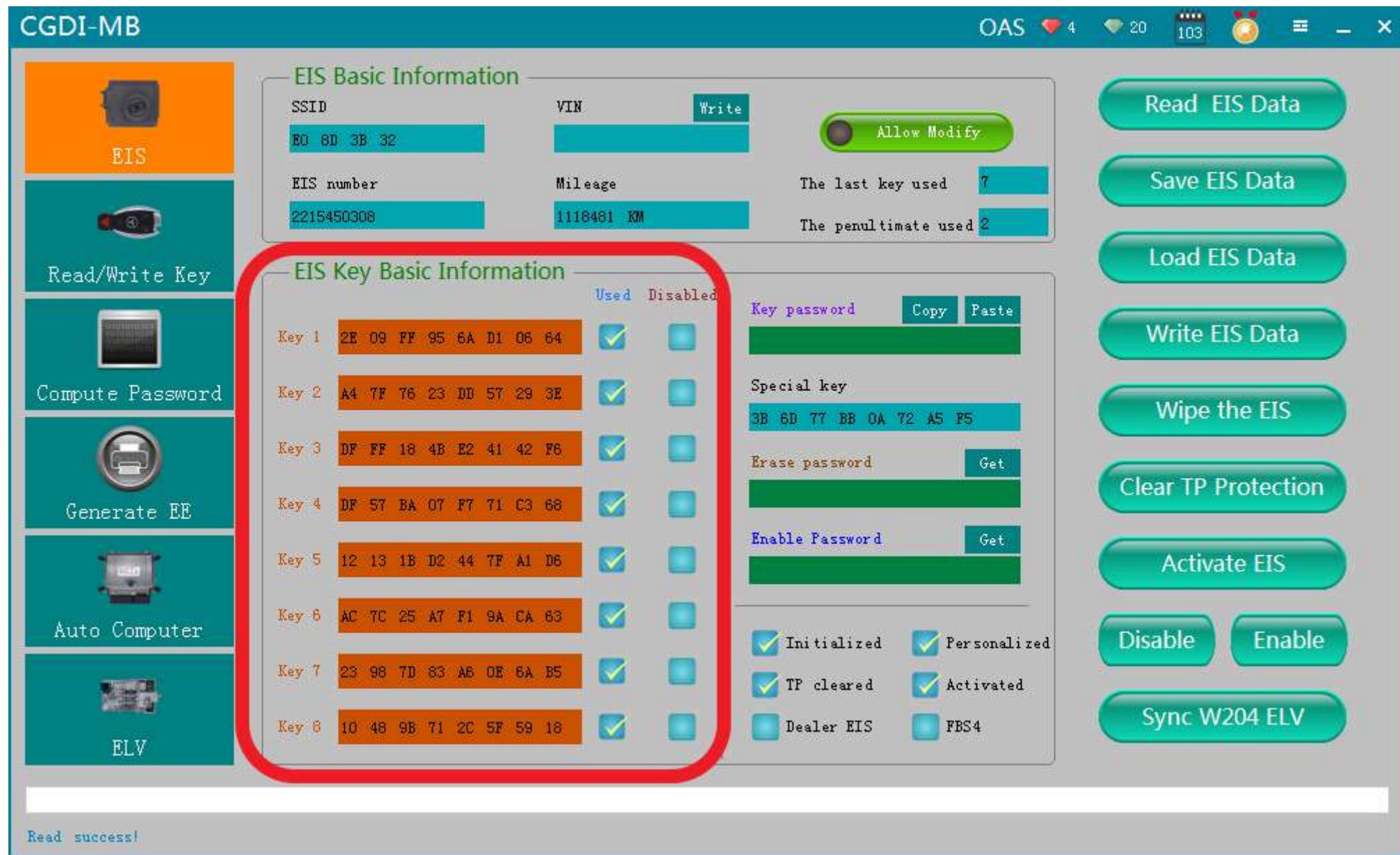
When we want to match a new key for the vehicle, find that the positions for key are full. At this time, we need to clear the positions, then match the new key.

The first step

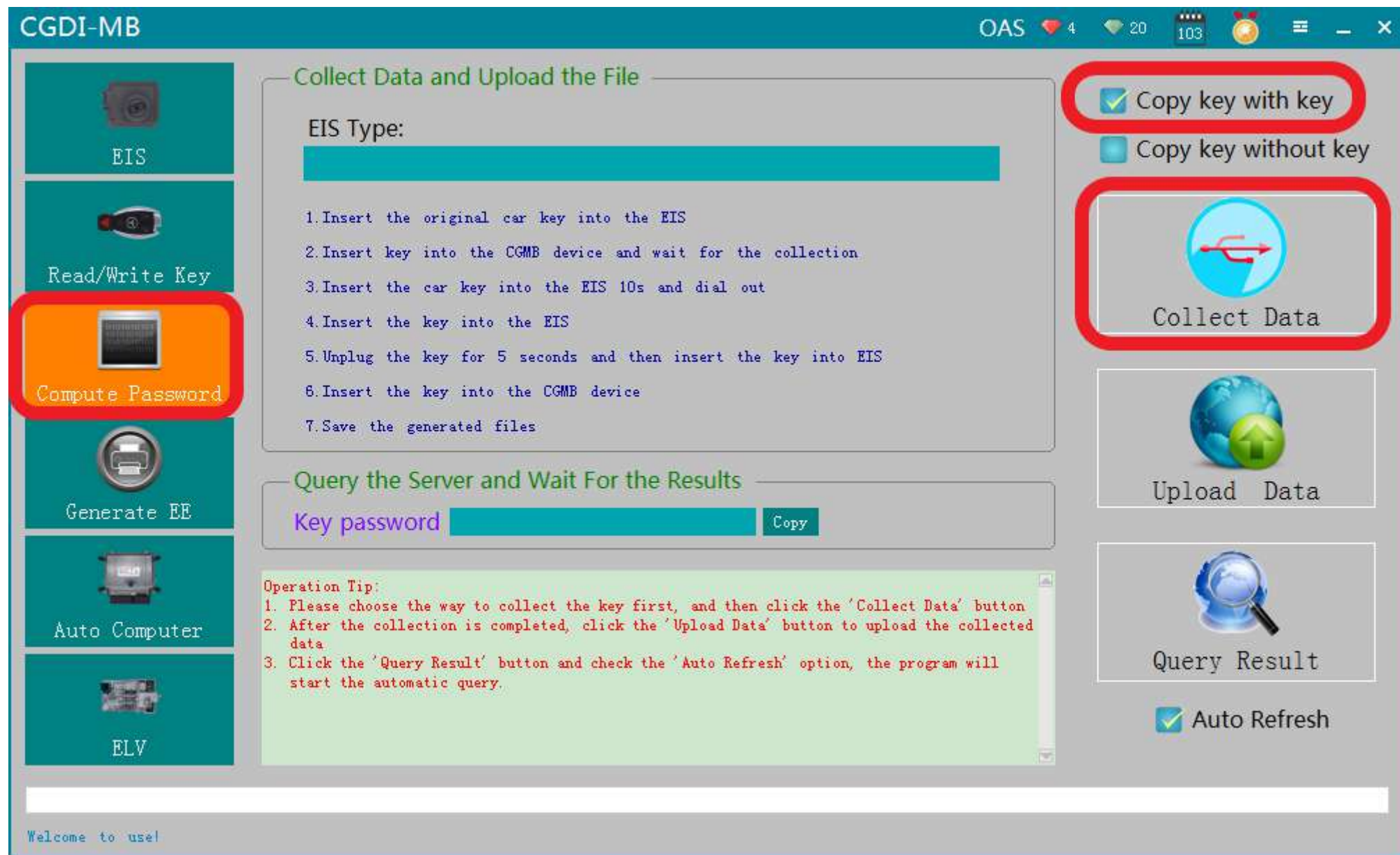
Calculate the password and erase the key 位



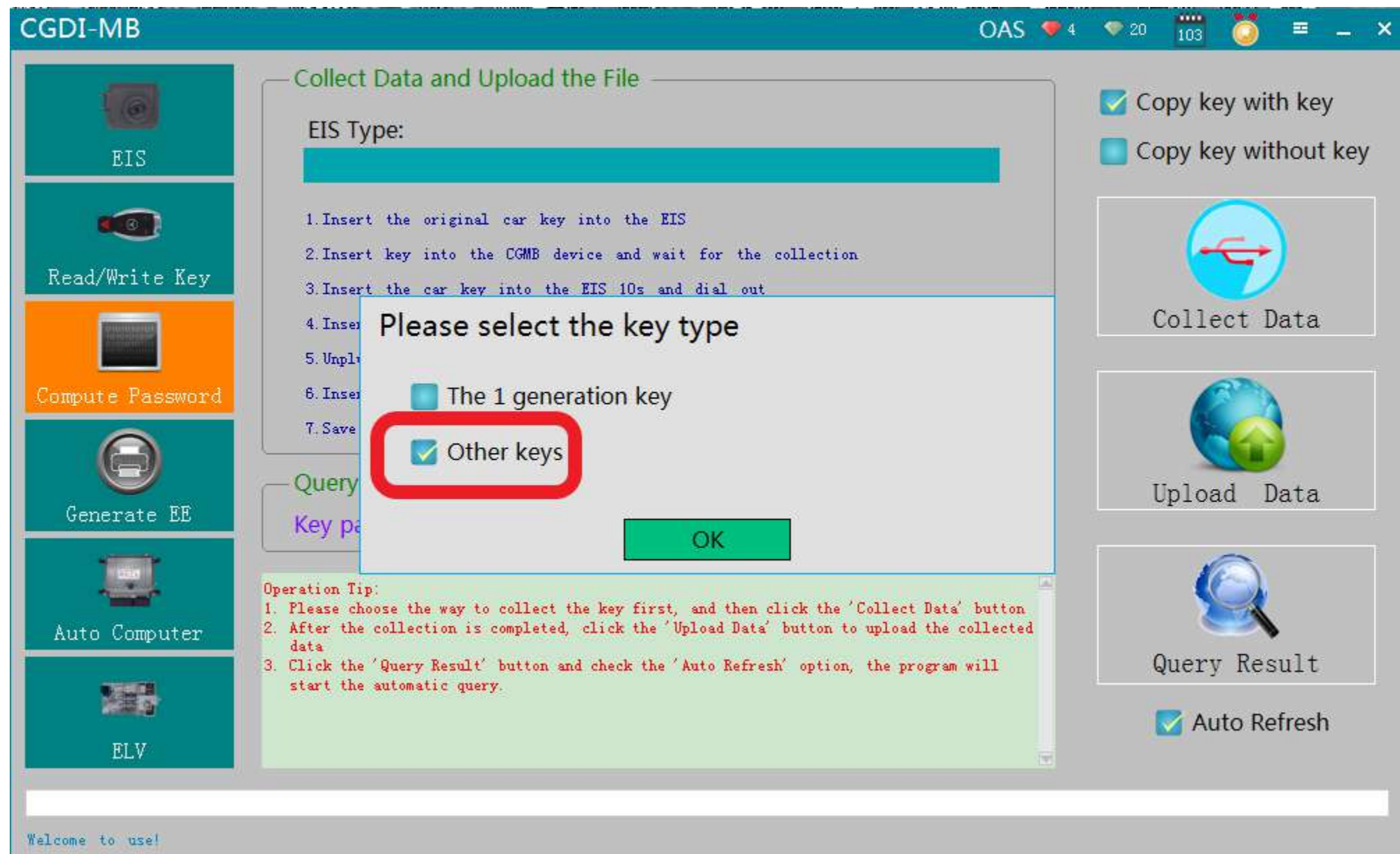
OBD connects the vehicle, choose“ (EIS) ”interface, click to read EIS data



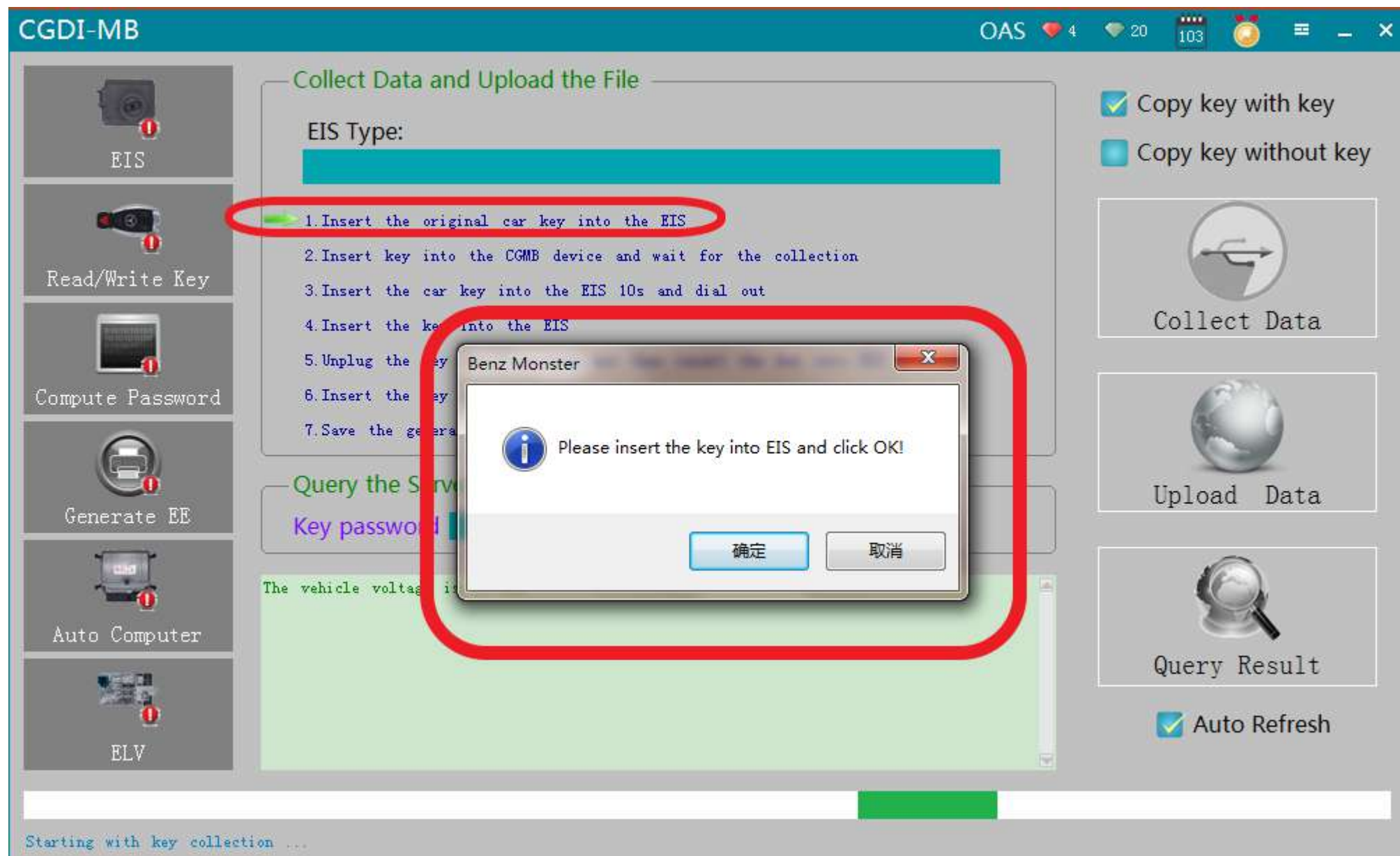
Read successfully, show that the positions for key are full



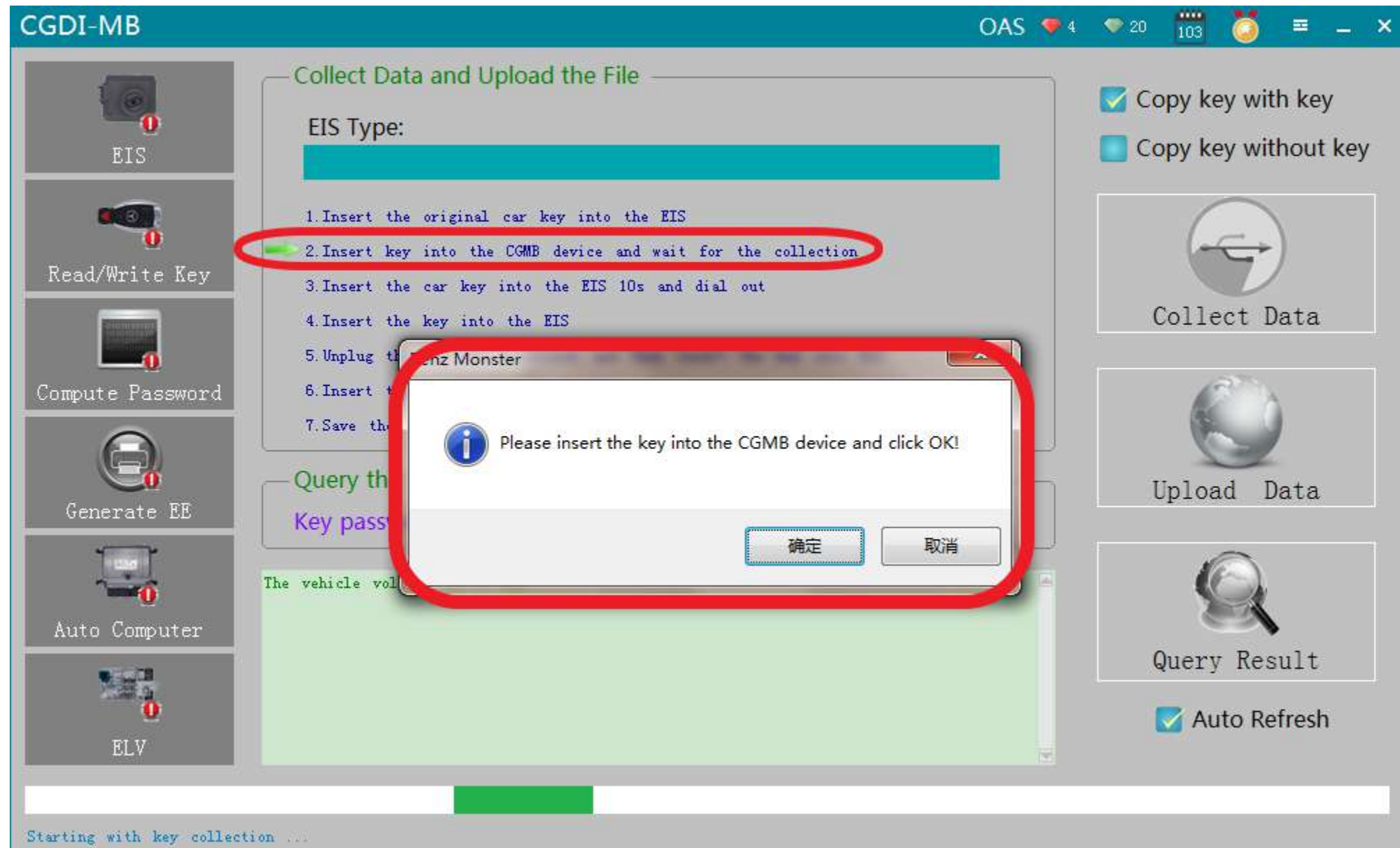
Collect data first, compute password



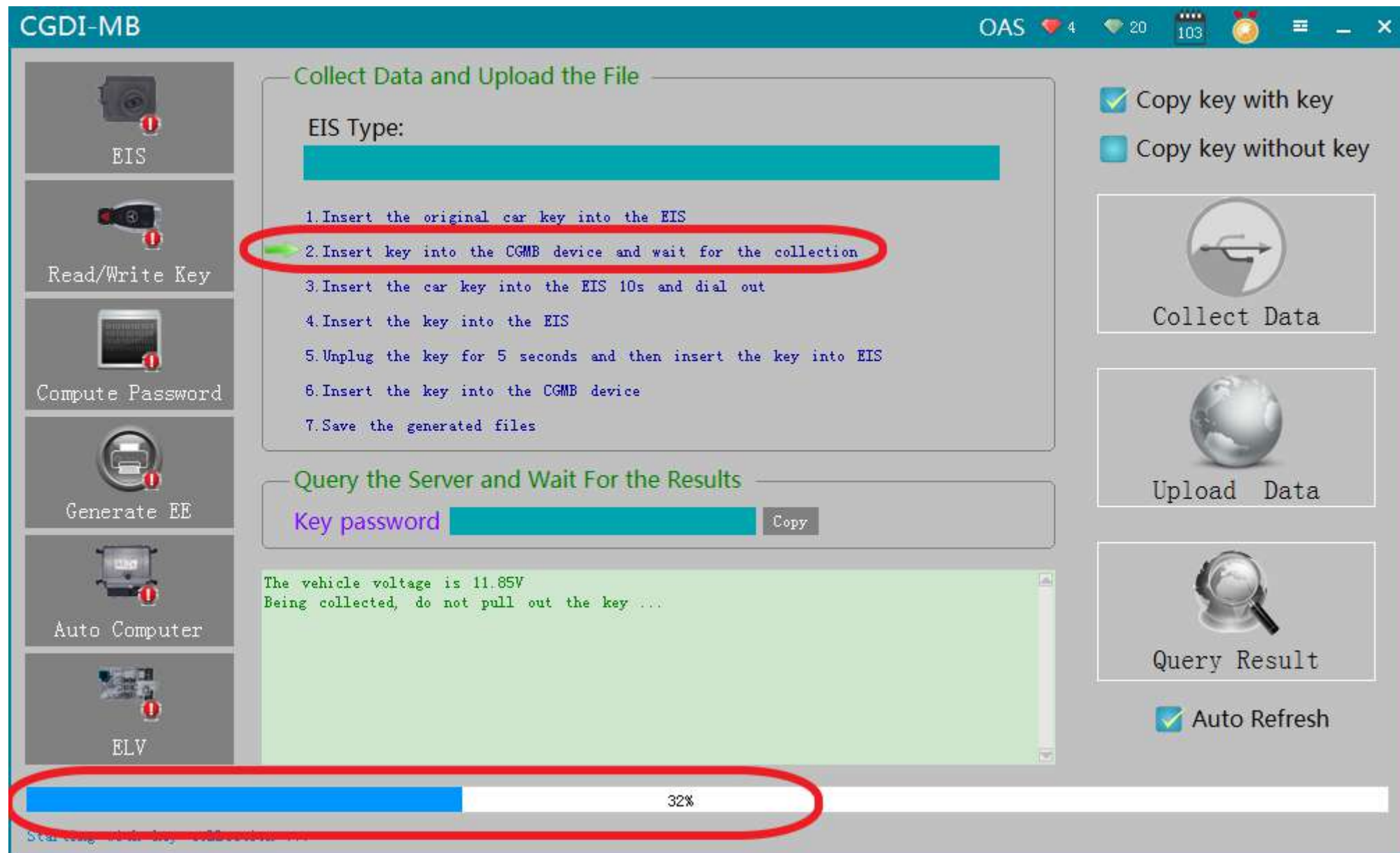
Default“Other key”, click ok



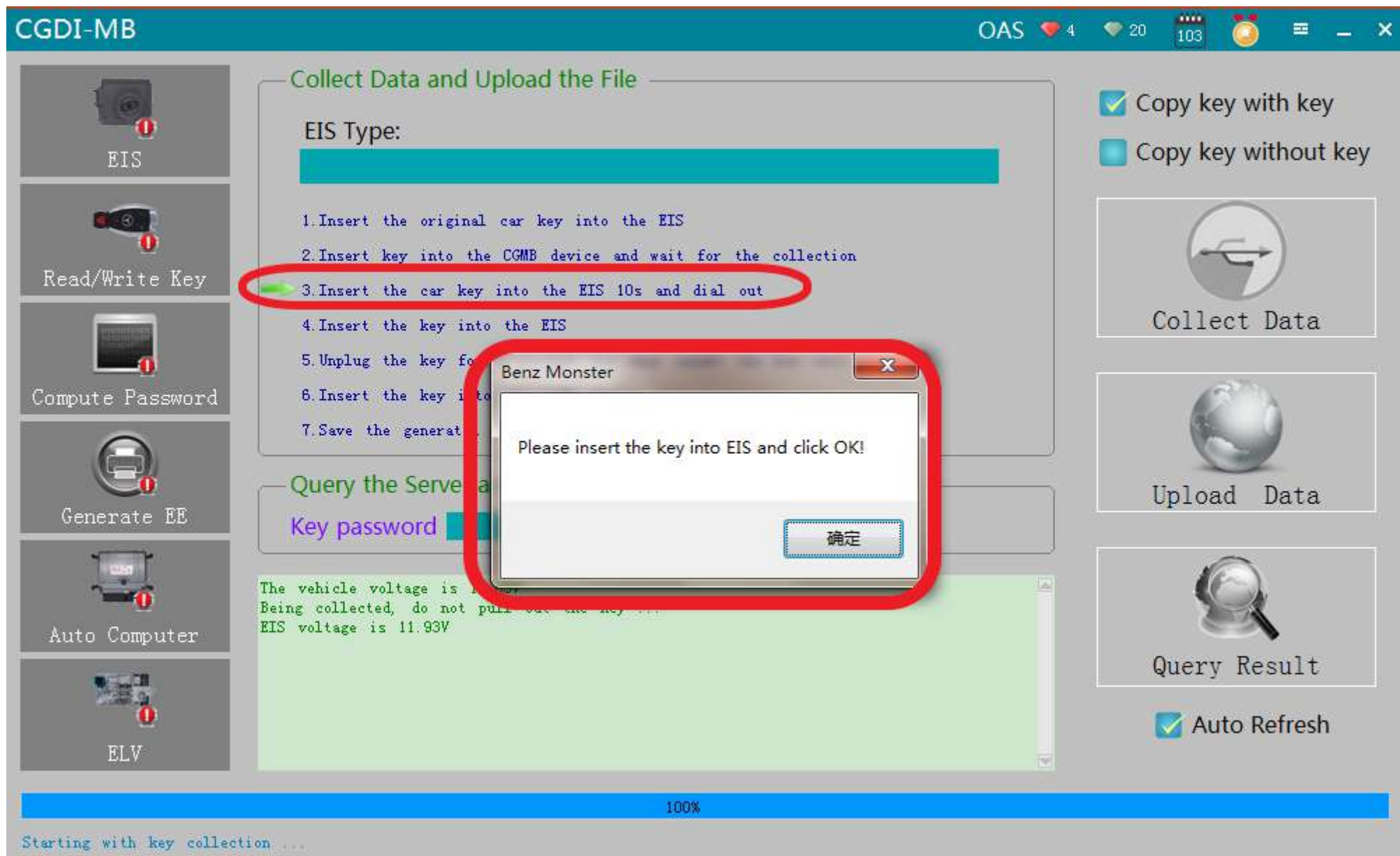
please insert the key into EIS and click OK



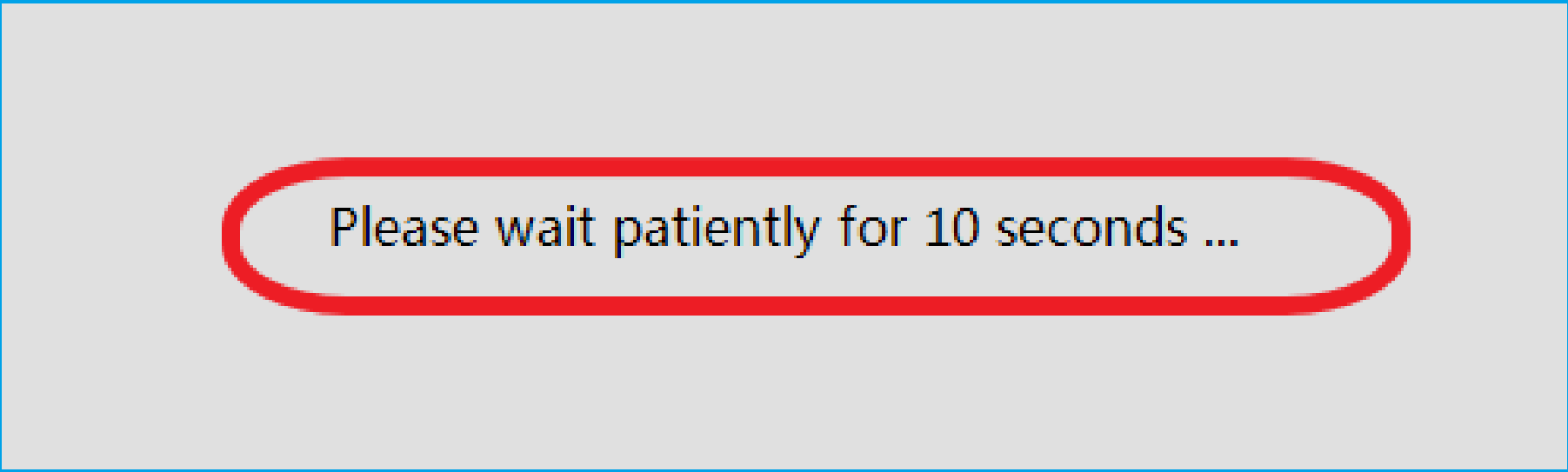
Please insert the key into the CG-MB device and click ok



It is collecting with key, please wait ...

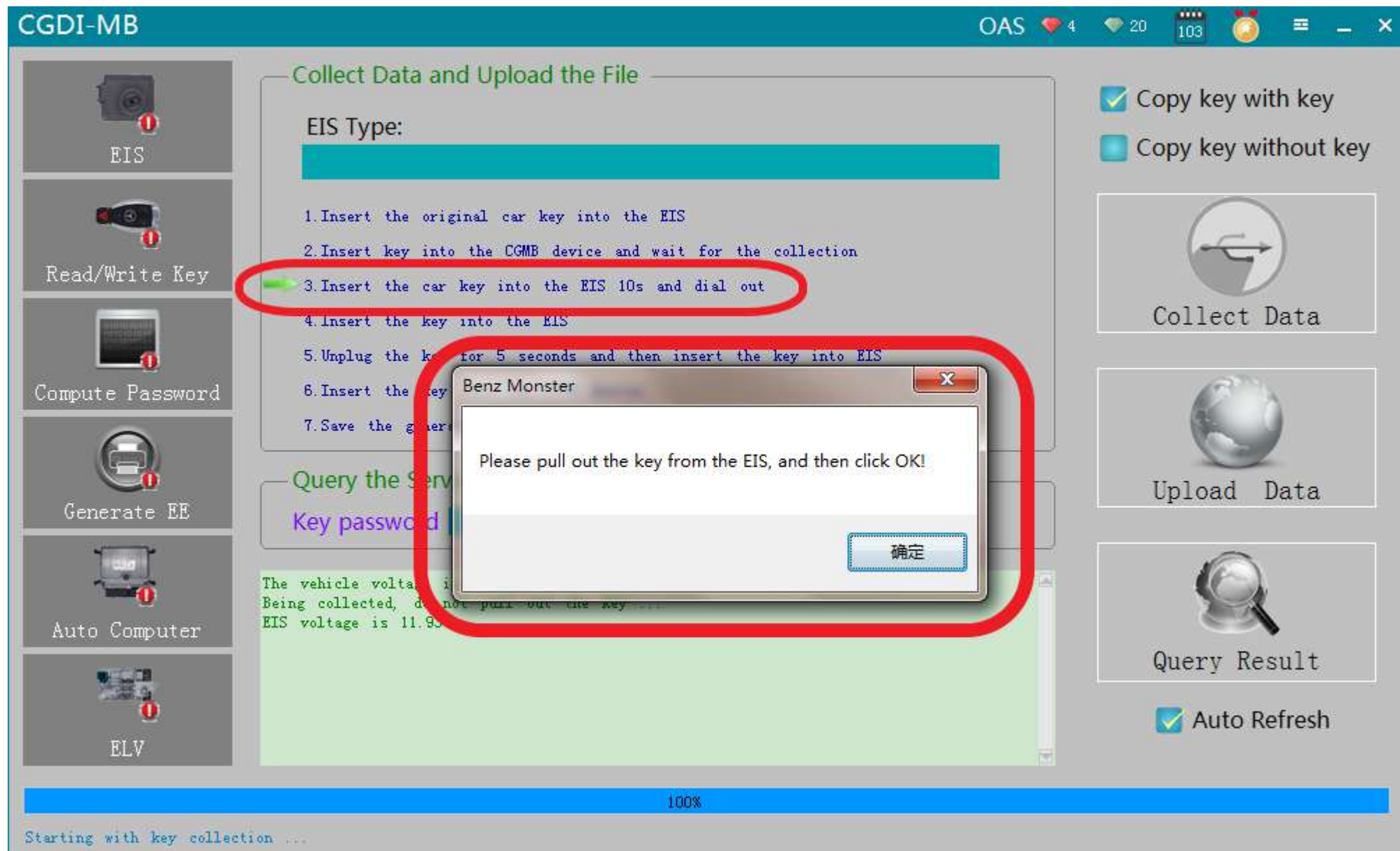


Please insert the key into EIS and click ok

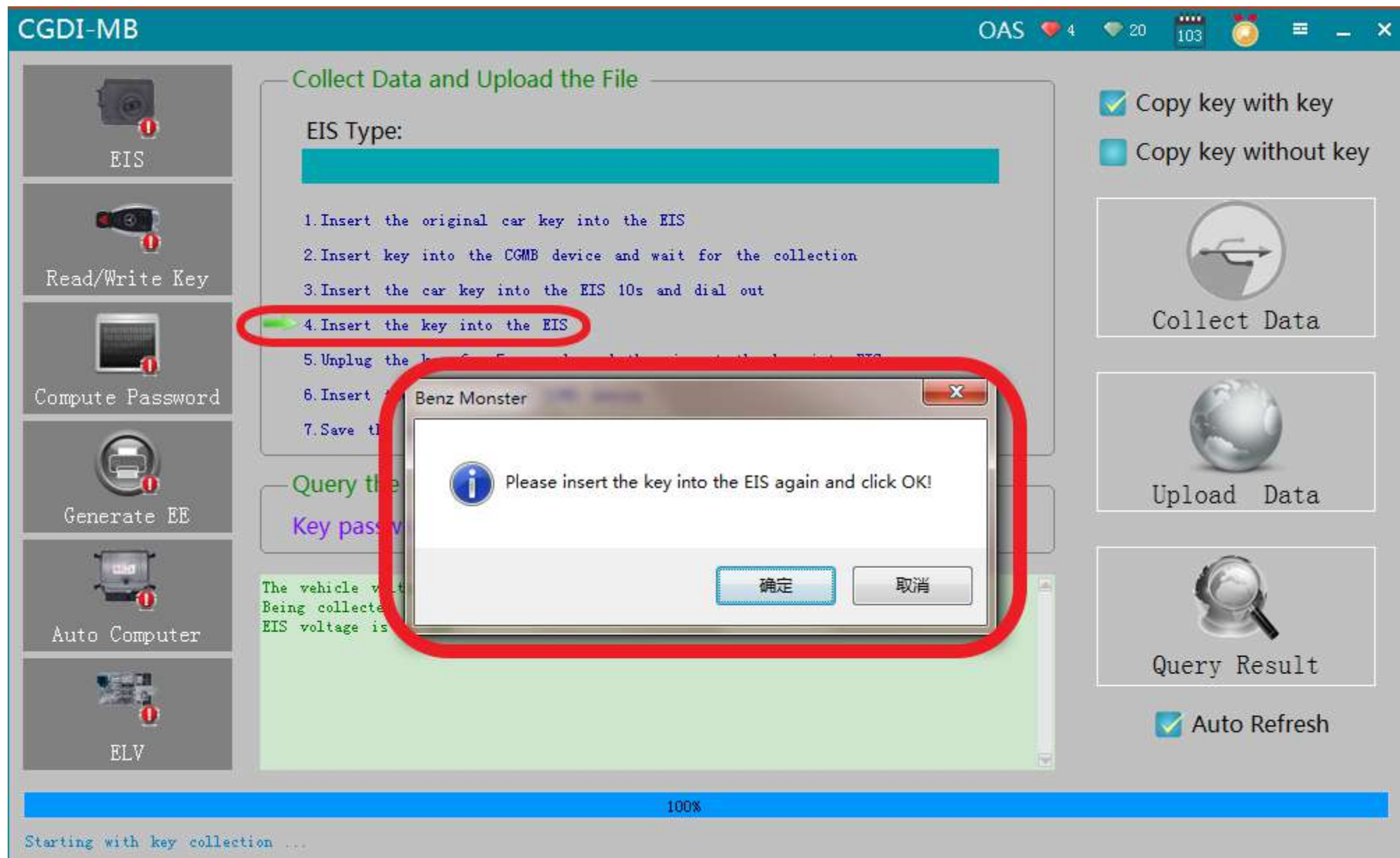


Please wait patiently for 10 seconds ...

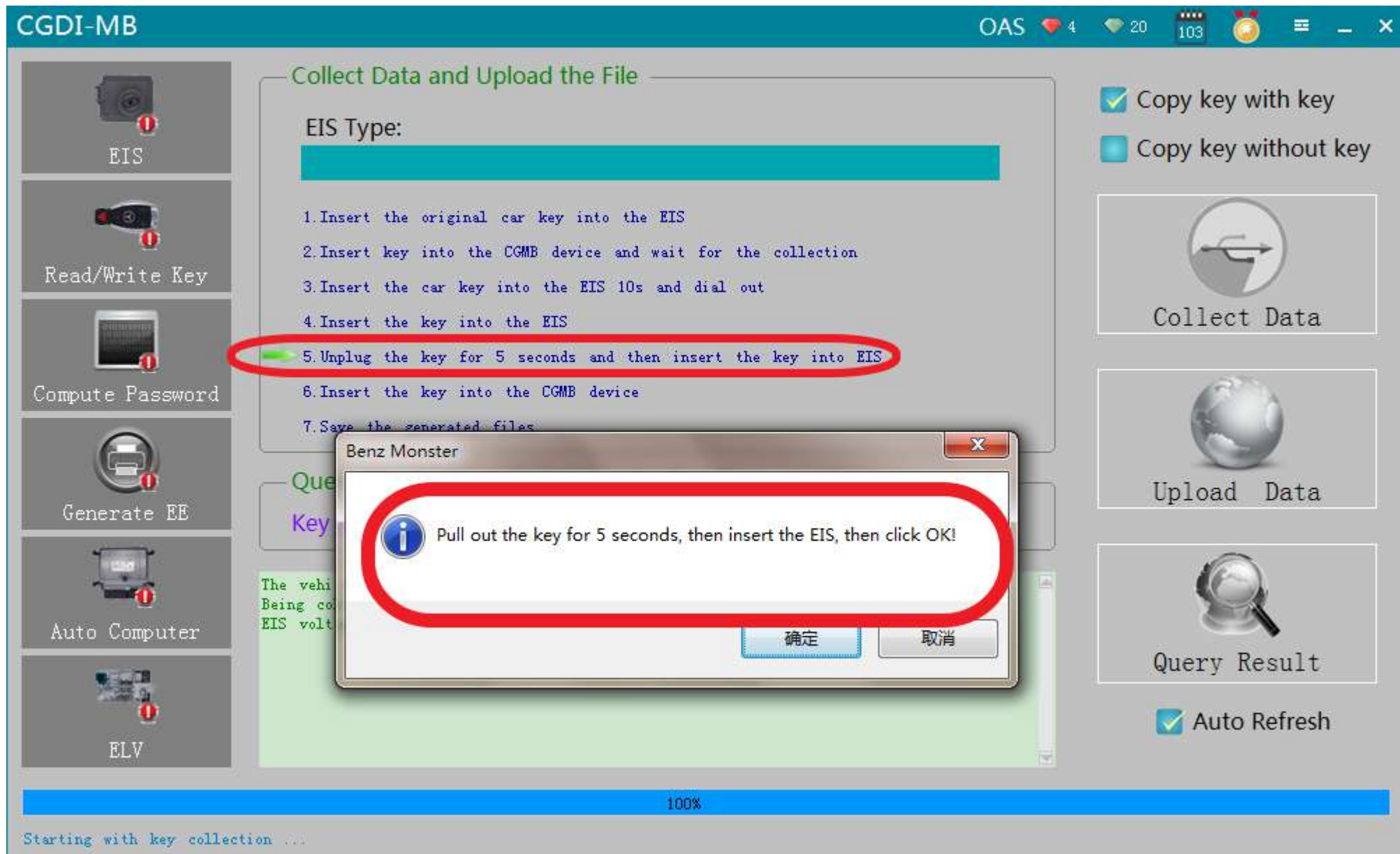
please wait patiently for 10 seconds



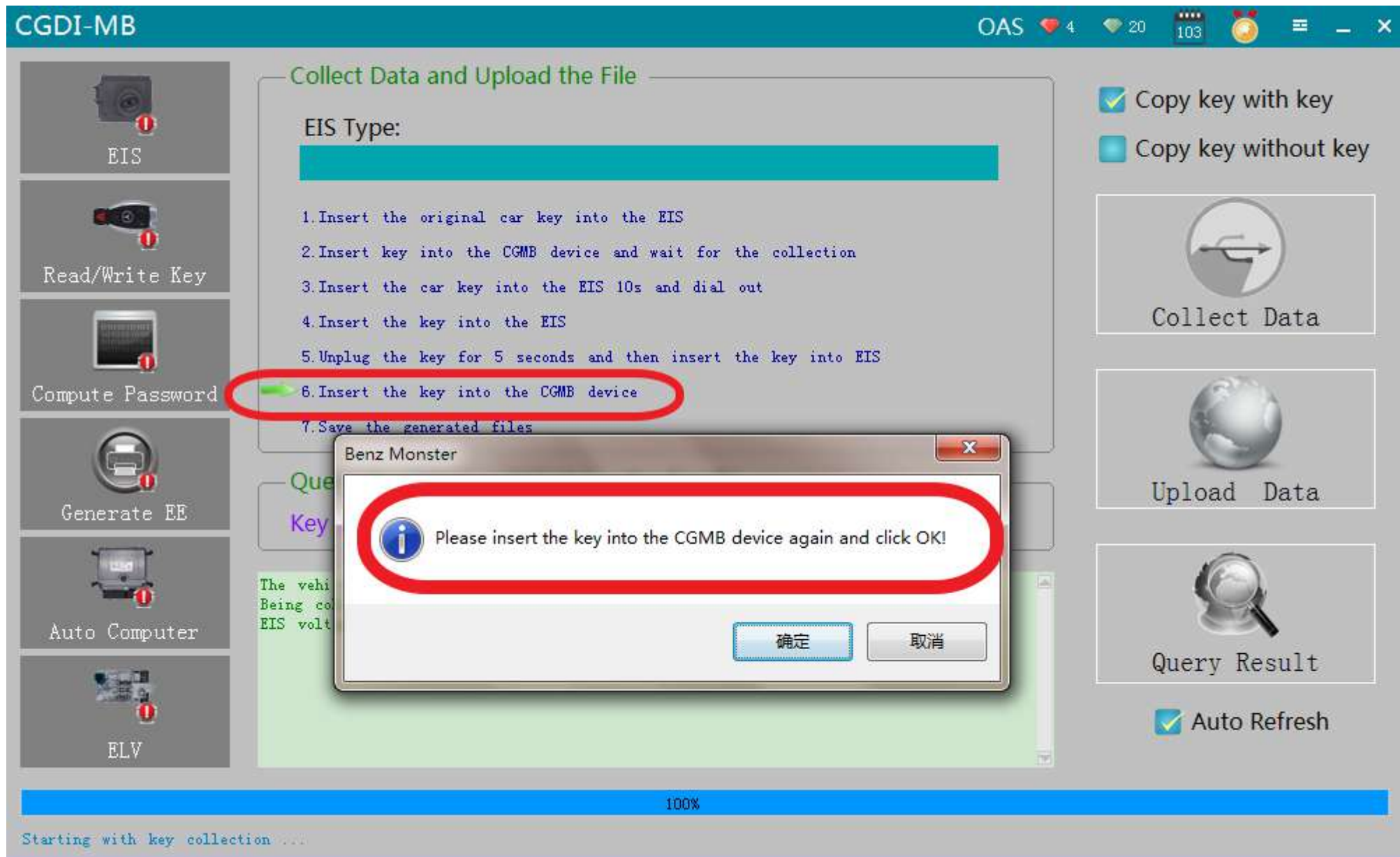
please pull out the key from the EIS, and then click ok



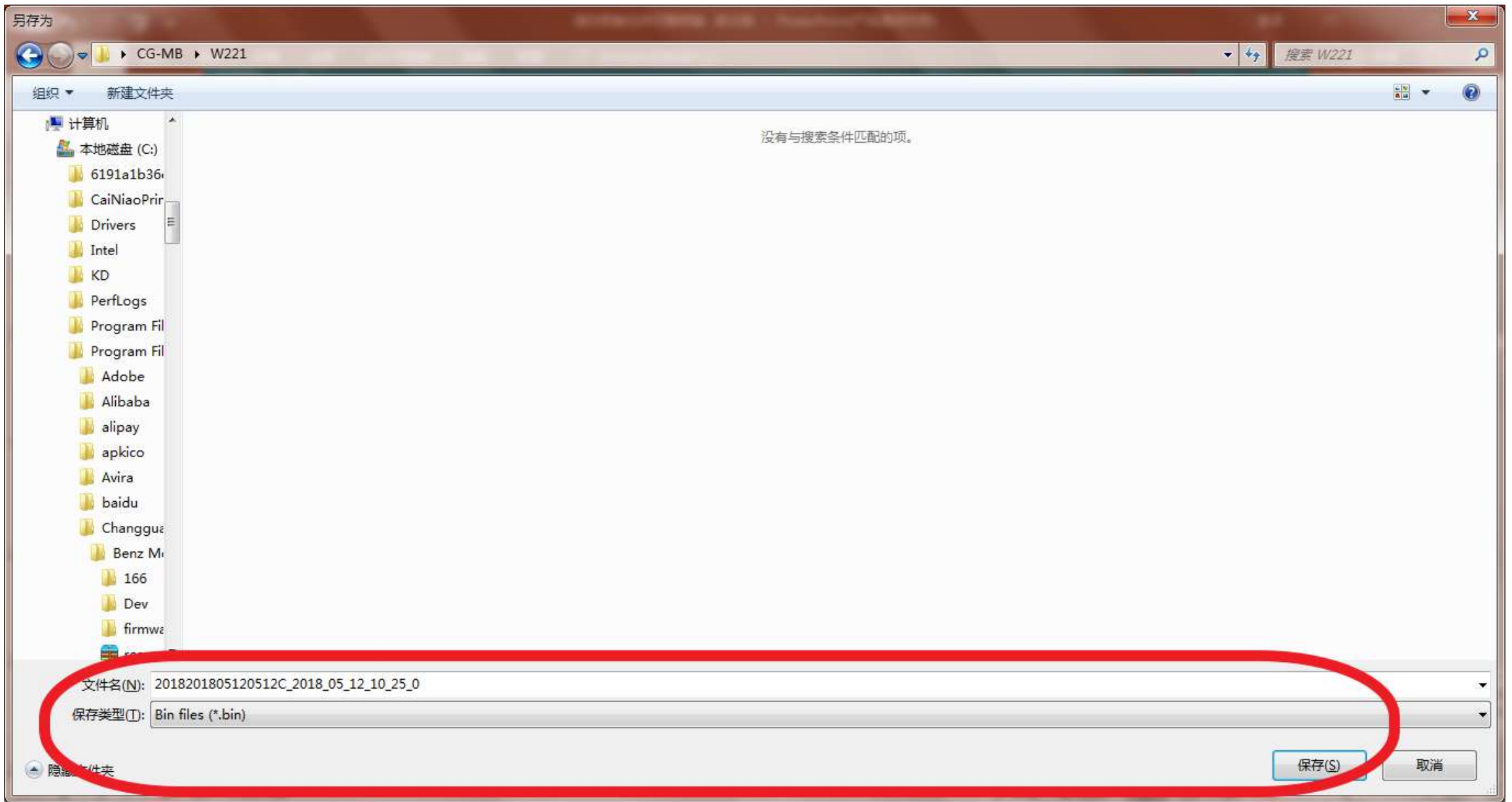
please insert the key into the EIS again and click ok



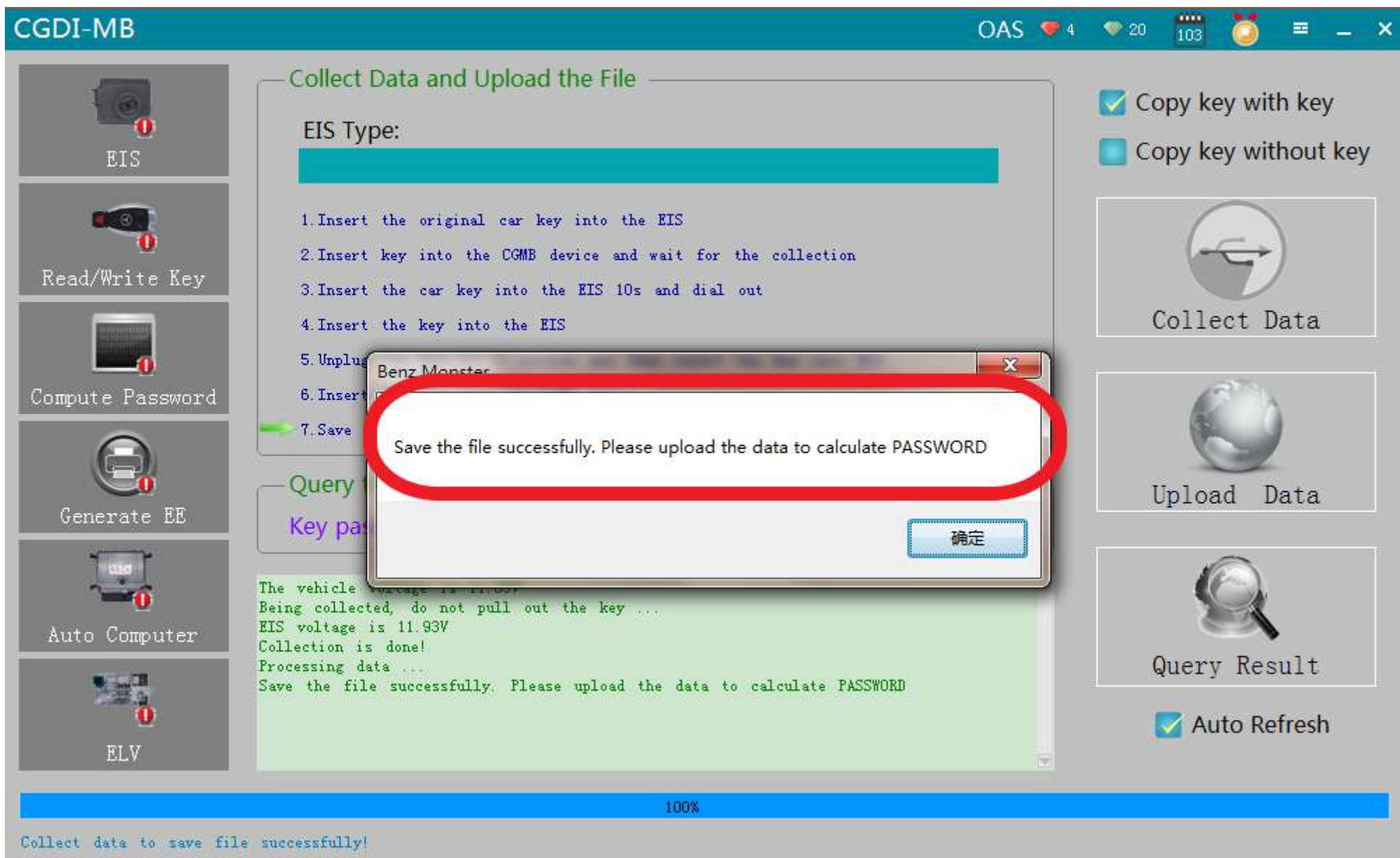
Pull out the key for 5 seconds, then insert into EIS, then click ok



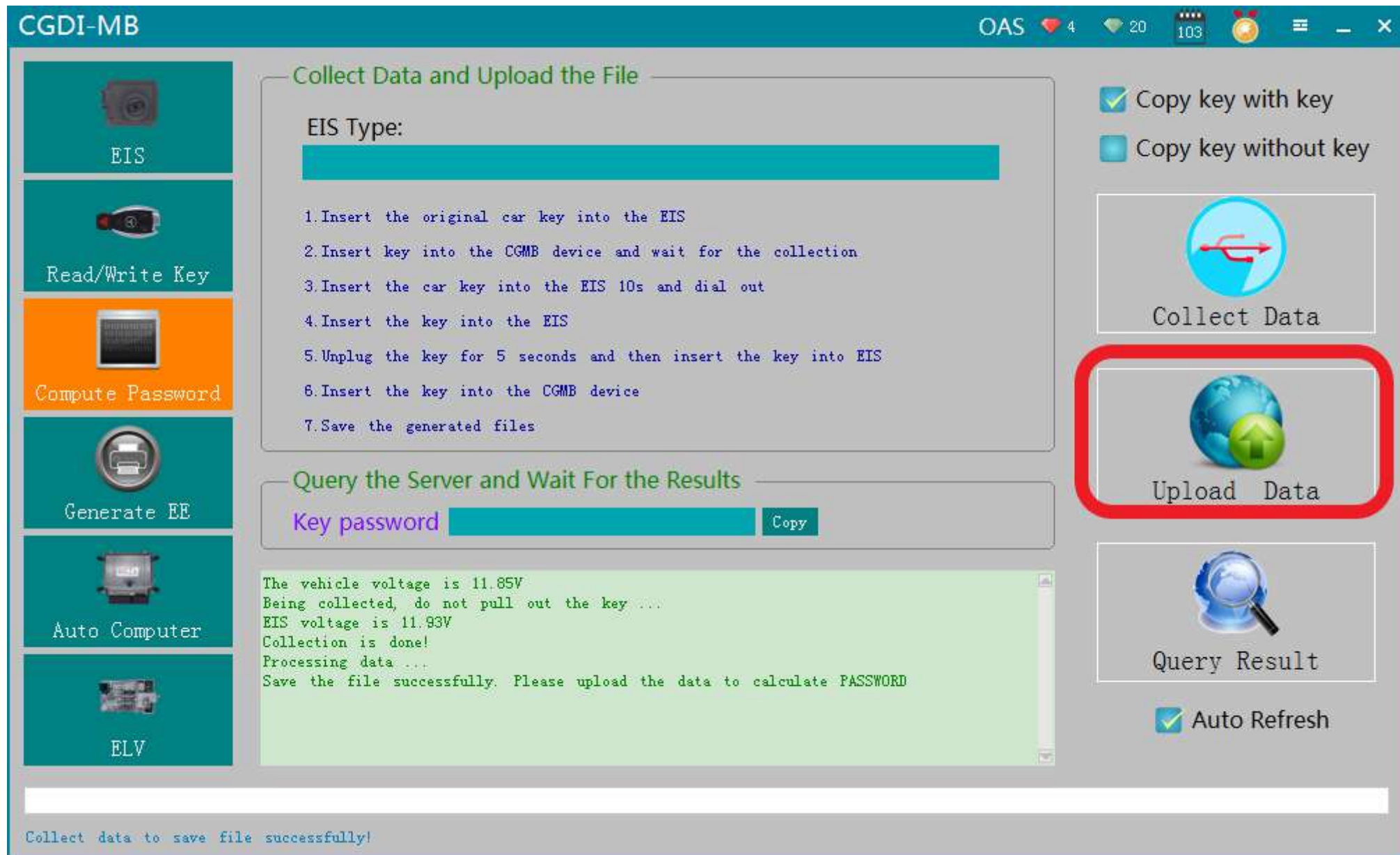
please insert the key into the CGMB device again and click ok



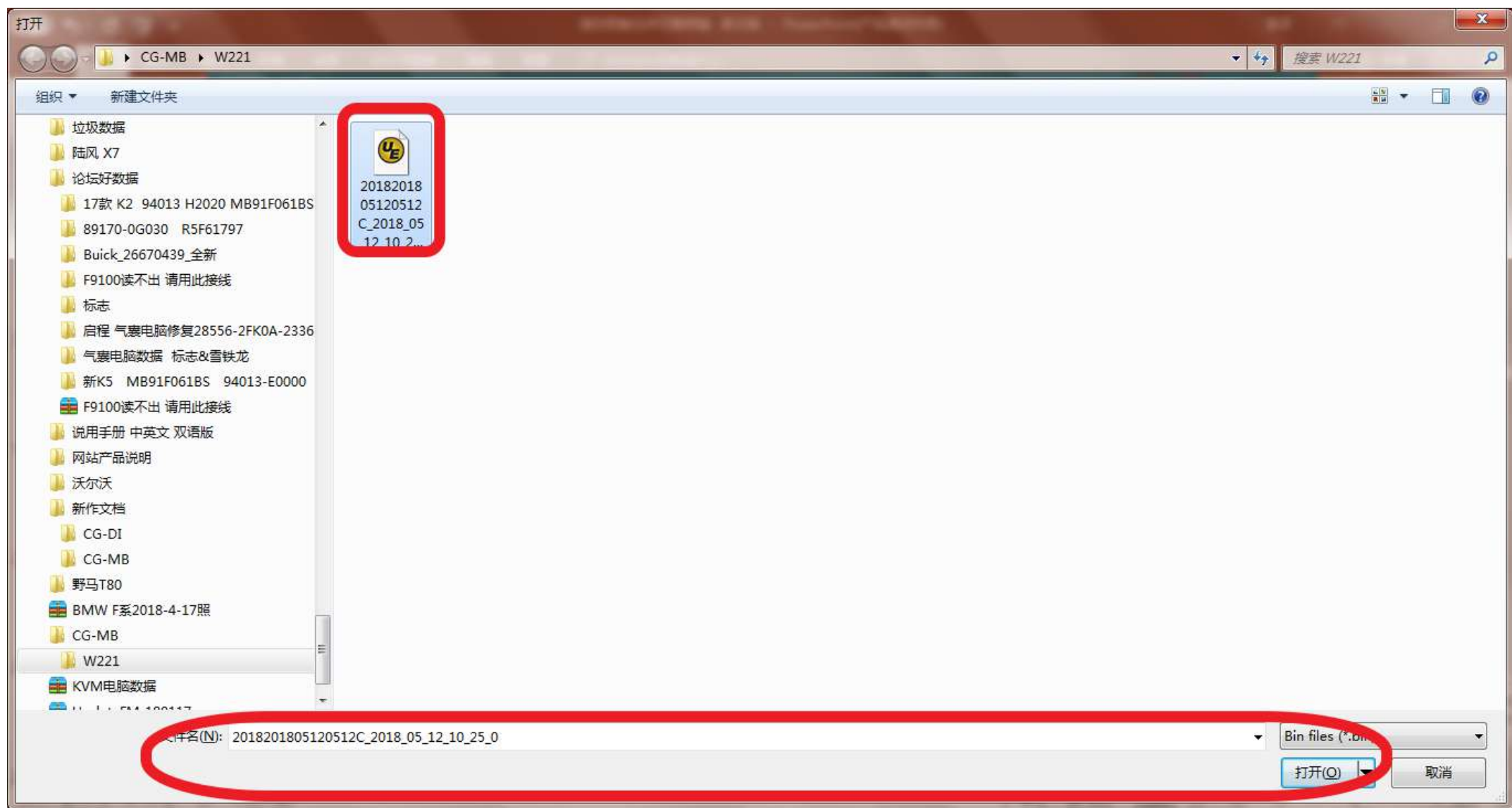
Collection end, save data, default file name



Save the file successfully



Click“Upload data”



Open the data just saved



EIS



Read/Write Key



Compute Password



Generate EE



Auto Computer



ELV

Collect Data and Upload the File

EIS Type:

1. Insert the original car key into the EIS
2. Insert key into the CGMB device and wait for the collection
3. Insert the car key into the EIS 10s and dial out
4. Insert the key into the EIS
5. Unplug
6. Insert
7. Save

Query

Key pair

Your remaining number of calculated passwords today is 4
Upload data successfully, please click the [Query Results] button to query

☒ Copy key with key☐ Copy key without key

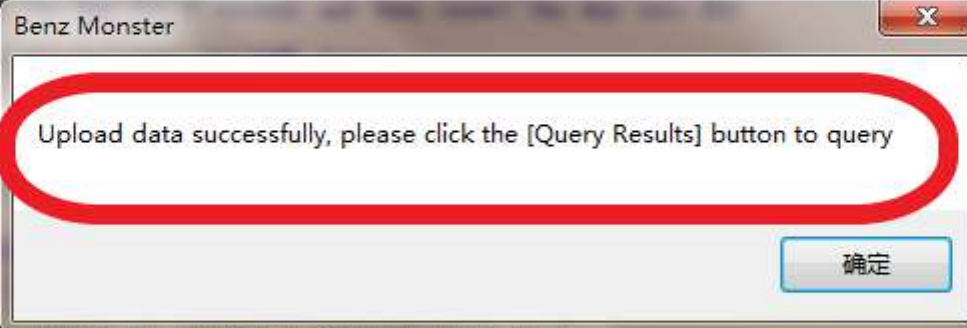
Collect Data



Upload Data

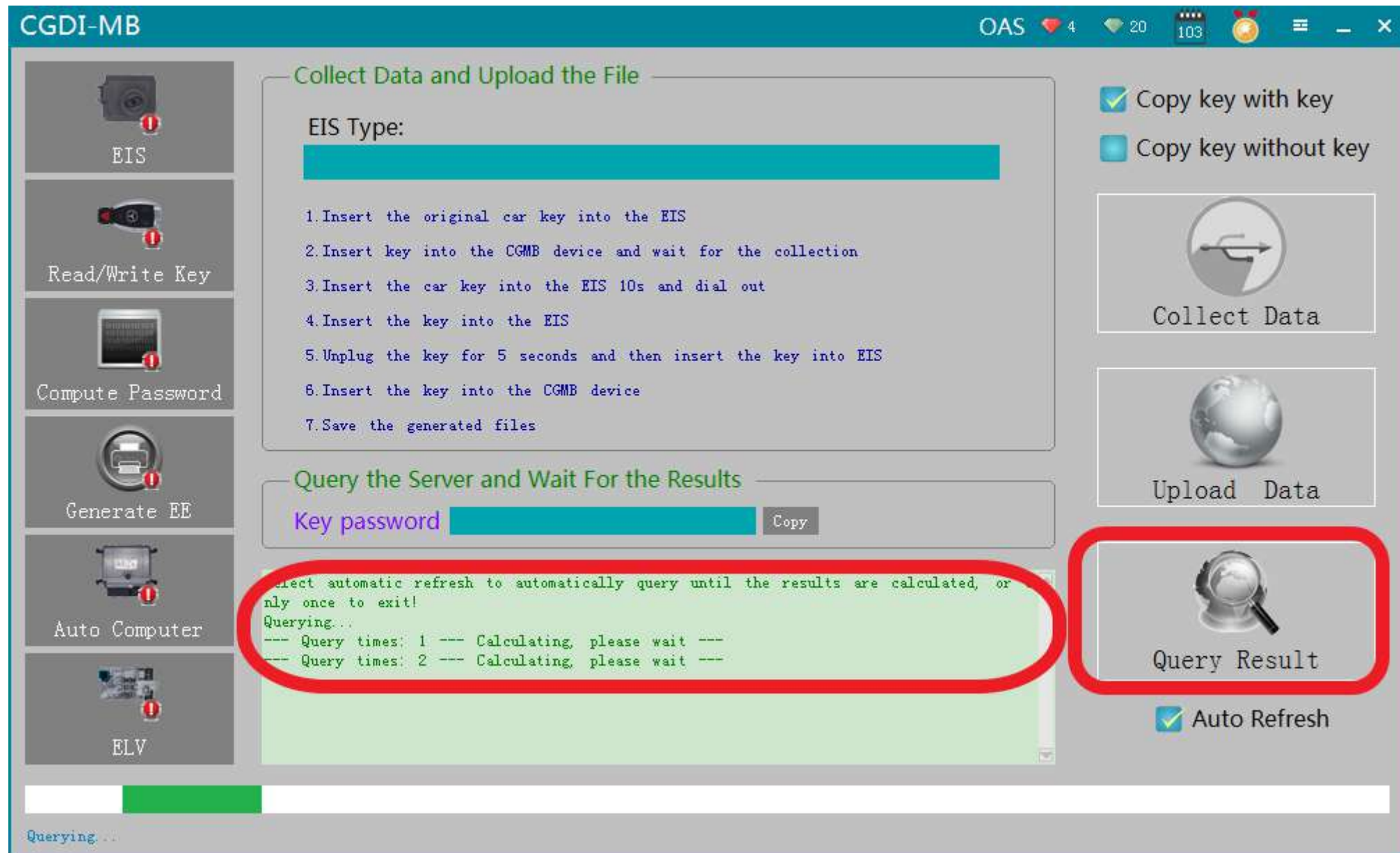


Query Result

☒ Auto Refresh

Upload data successfully, please click the [Query Results] button to query

Upload data successfully



Querying, please wait...

CGDI-MB OAS 4 20 103

EIS

Read/Write Key

Compute Password

Generate EE

Auto Computer

ELV

Collect Data and Upload the File

EIS Type:

1. Insert the original car key into the EIS
2. Insert key into the GMB
3. Insert the car key into the
4. Insert the key into the EIS
5. Unplug the key for 5 seconds
6. Insert the key into the EIS
7. Save the generated files

Copy key with key
Copy key without key

Collect Data

Upload Data

Query Result

Auto Refresh

Computing success!

Key password 15 82 04 42 55 10 00 00 Copy

Query times: 31 --- Calculating, please wait ---
Query times: 32 --- Calculating, please wait ---
Query times: 33 --- Calculating, please wait ---
Query times: 34 --- Calculating, please wait ---
Query times: 35 --- Calculating, please wait ---
Query times: 36 --- Calculating, please wait ---
Query times: 37 --- Calculating, please wait ---
Query times: 38 --- Calculating, please wait ---
Computing success!

Querying...

Computing success, click ok

CGDI-MB

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EIS

Read/Write Key

Compute Password

Generate EE

Auto Computer

ELV

Collect Data and Upload the File

EIS Type:

1.Insert the original car key into the EIS

2.Insert key into the CGMB device and wait for the collection

3.Insert the car key into the EIS 10s and dial out

4.Insert the key into the EIS

5.Unplug the key for 5 seconds and then insert the key into EIS

6.Insert the key into the CGMB device

7.Save the generated files

Query the Server and Wait For the Results

Key password

15 82 04 42 55 10 00 00

Copy

--- query times: 31 --- Calculating, please wait ---

--- Query times: 32 --- Calculating, please wait ---

--- Query times: 33 --- Calculating, please wait ---

--- Query times: 34 --- Calculating, please wait ---

--- Query times: 35 --- Calculating, please wait ---

--- Query times: 36 --- Calculating, please wait ---

--- Query times: 37 --- Calculating, please wait ---

--- Query times: 38 --- Calculating, please wait ---

Computing success!

☒ Copy key with key

☐ Copy key without key

Collect Data

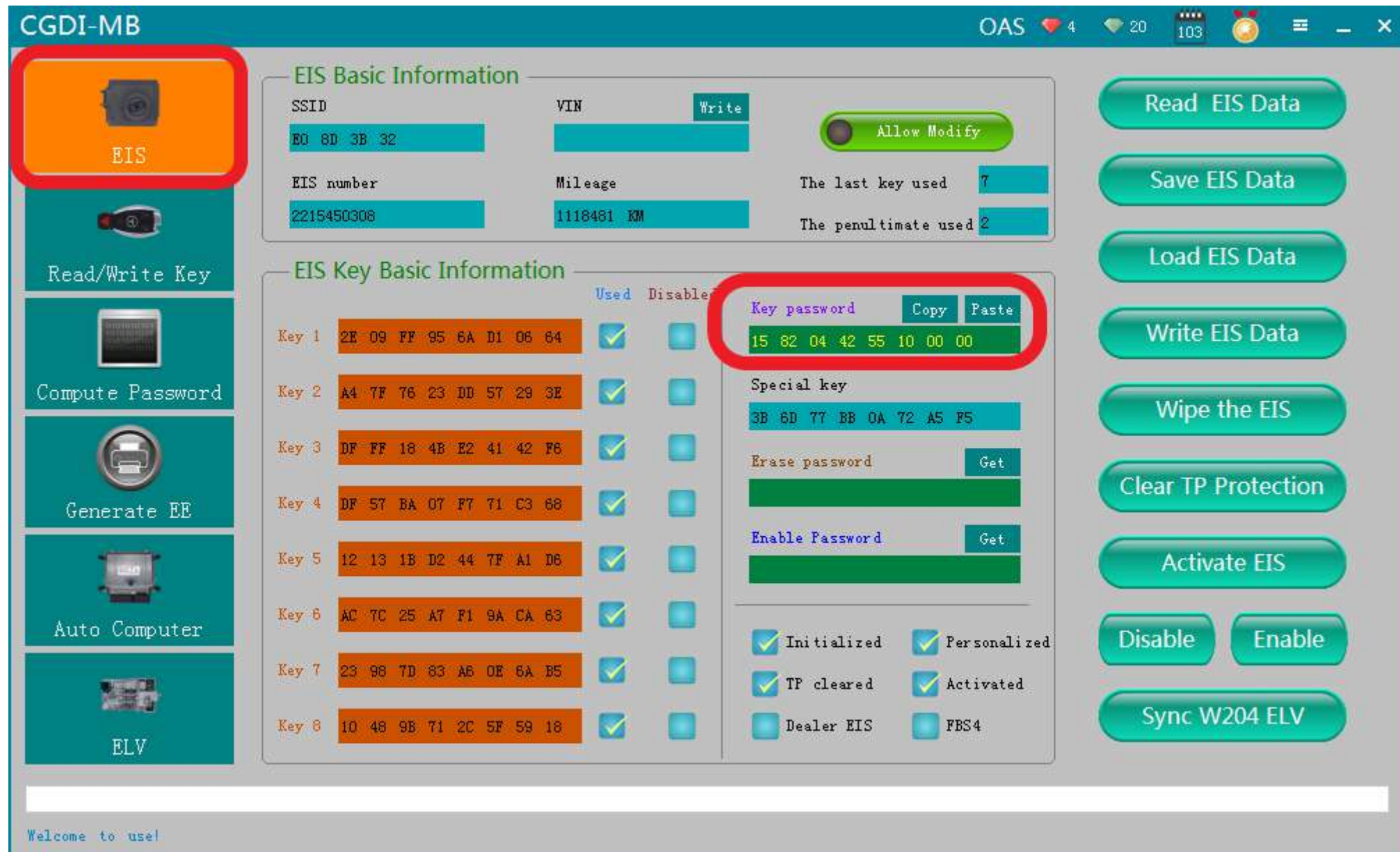
Upload Data

Query Result

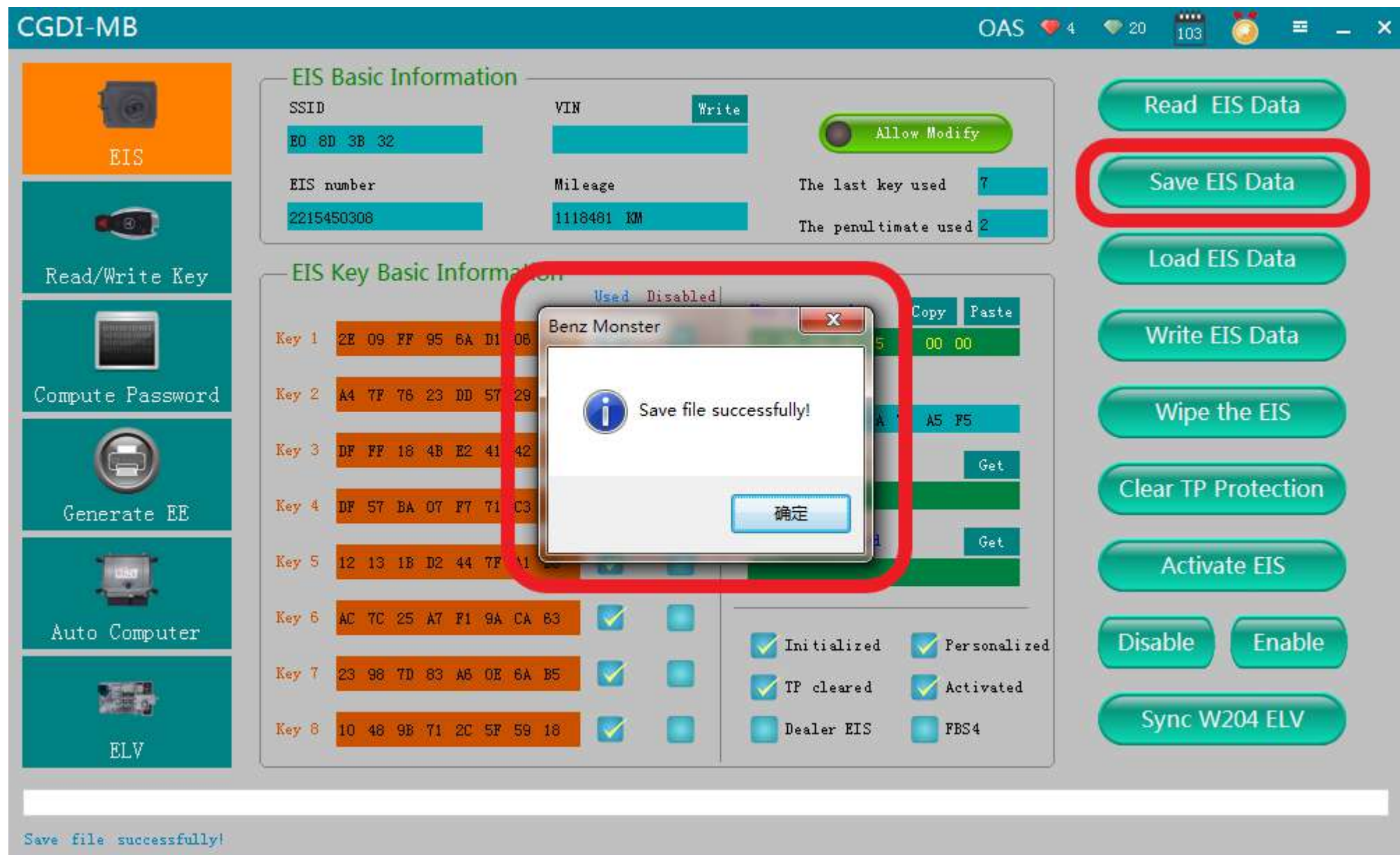
☒ Auto Refresh

Query end

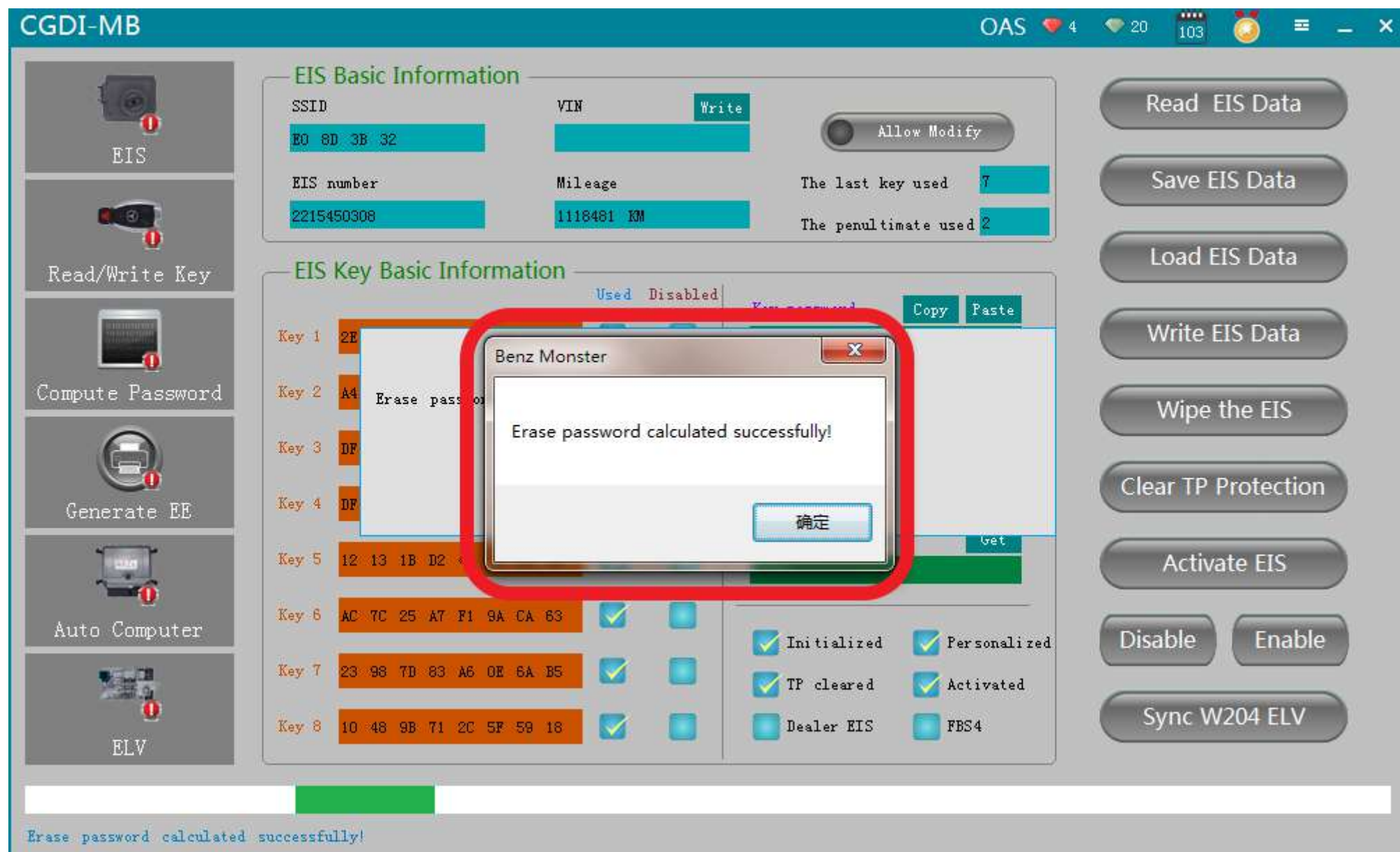
Click 'Copy'



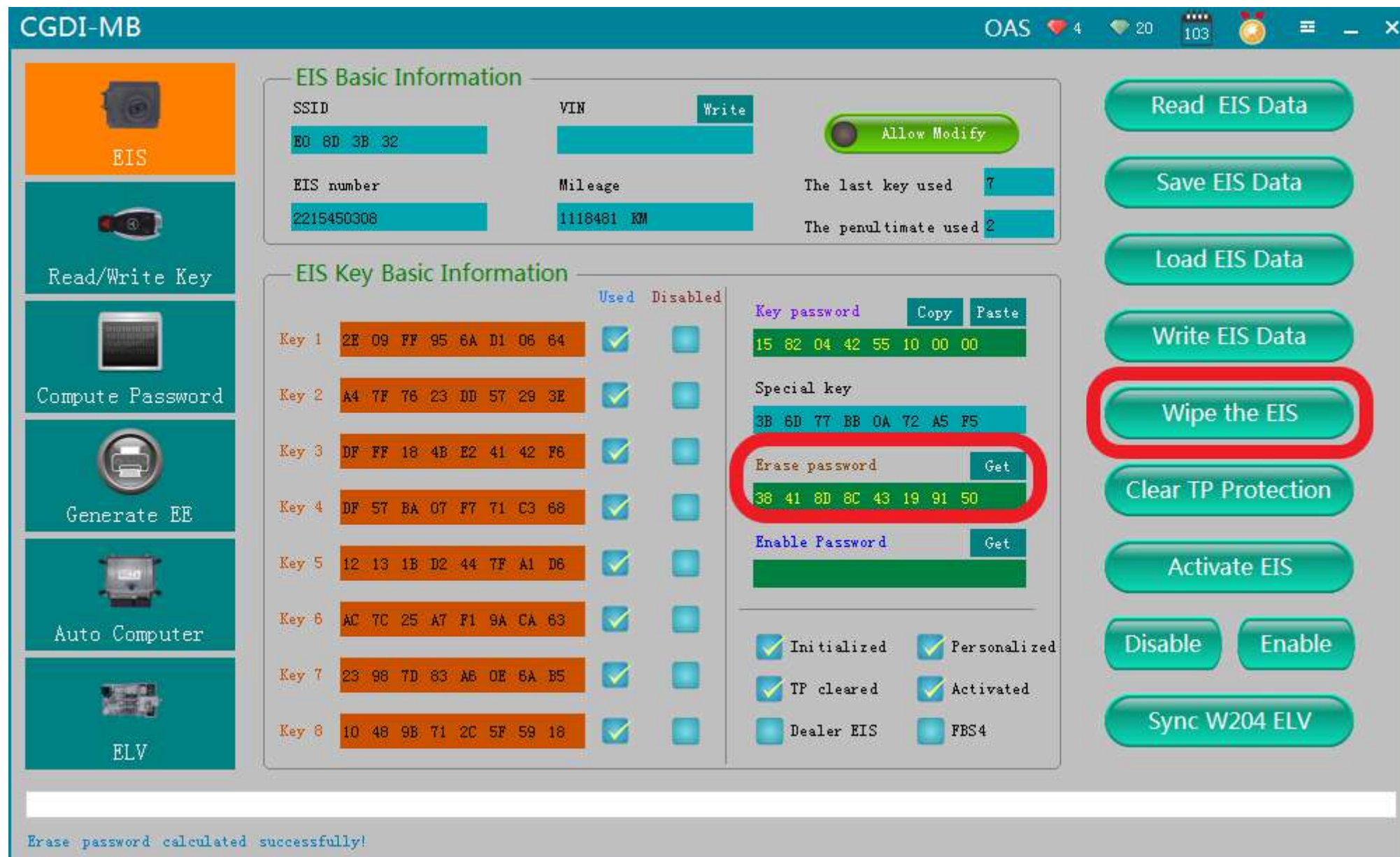
Go to “ (EIS) ”, and copy the password



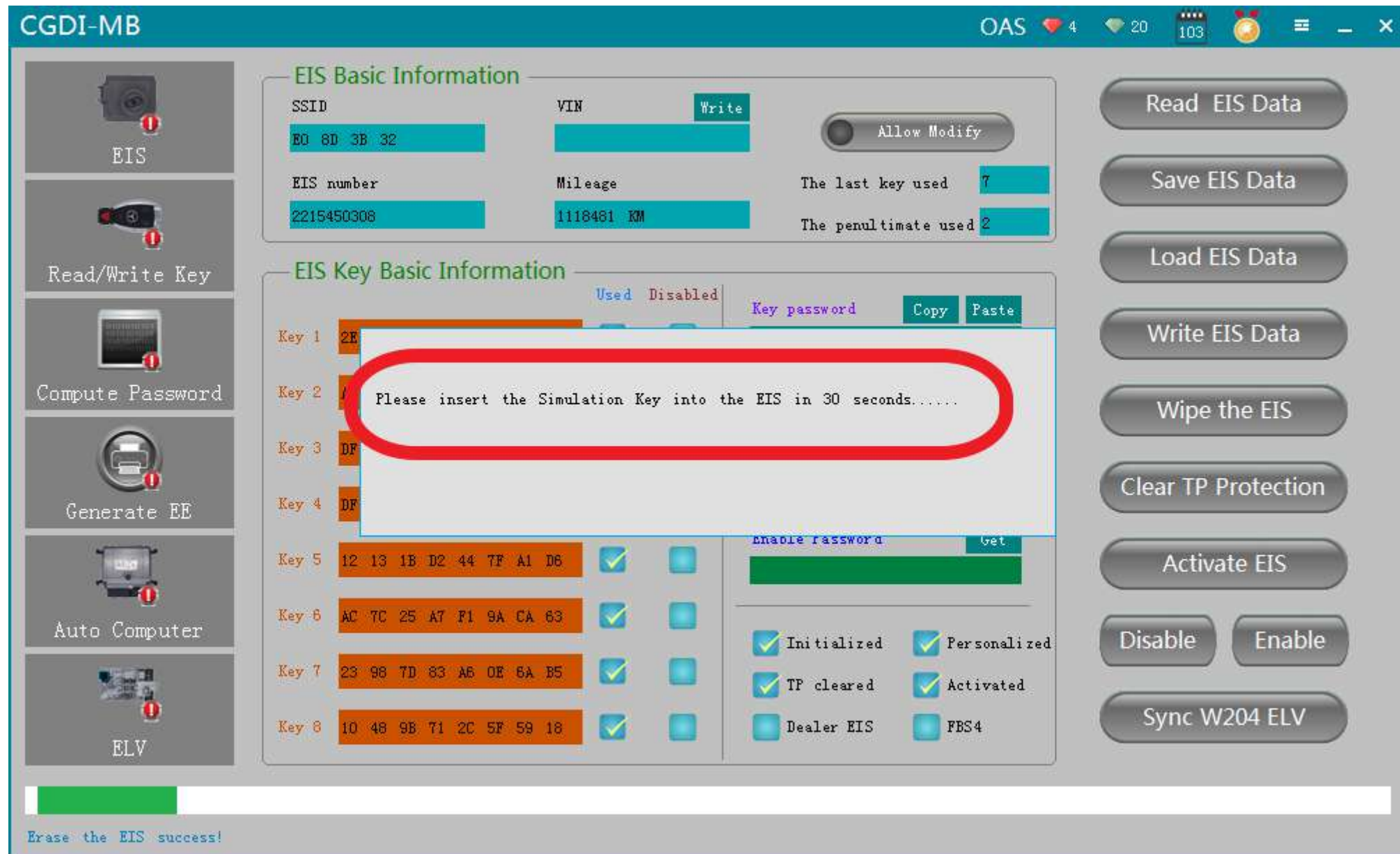
Save the EIS data with password successfully



Get erase password, wait a few seconds, show that calculated successfully



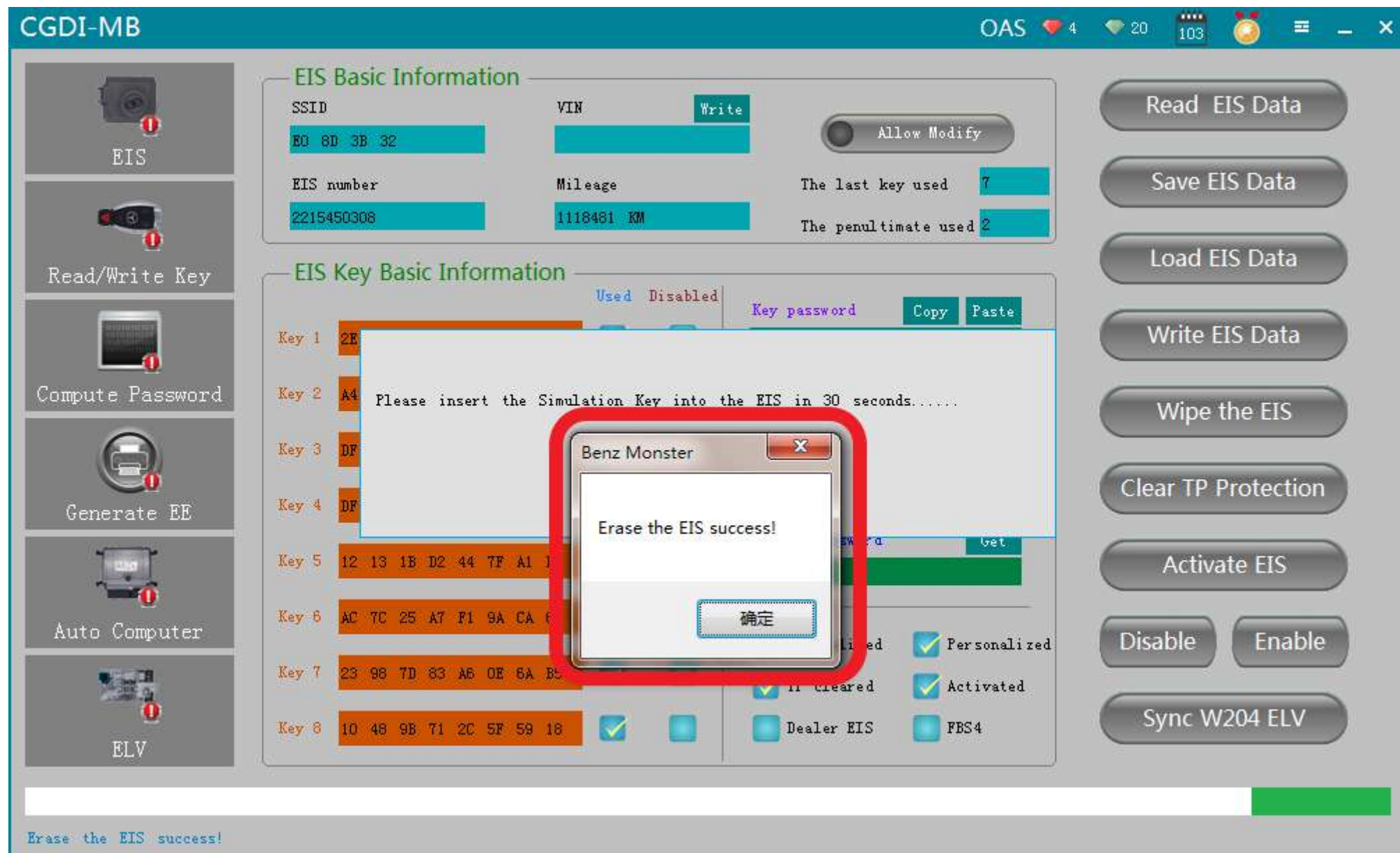
Click "Wipe the EIS"



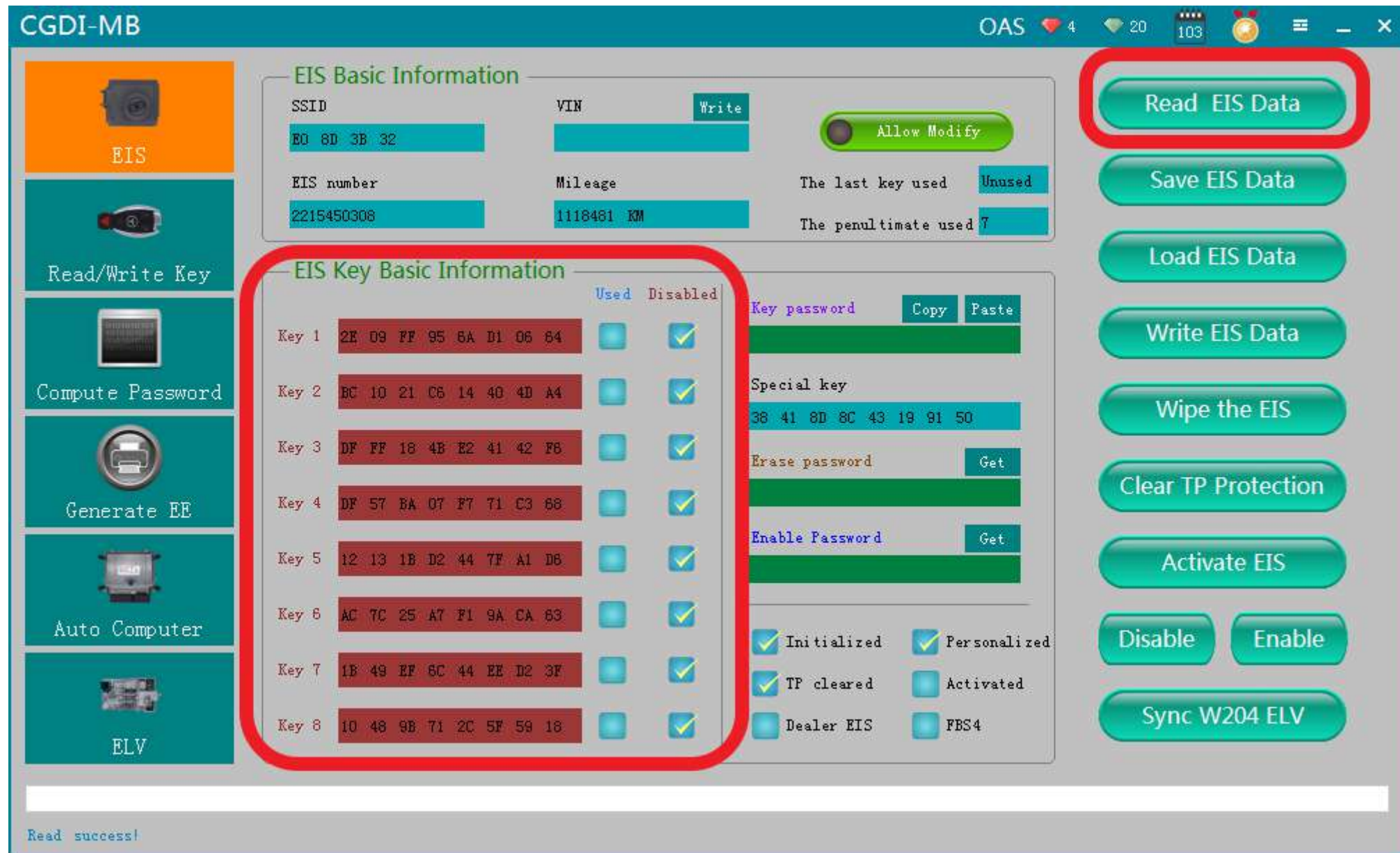
please insert the simulation key into the EIS in 30 seconds.....



simulation key physical operation diagram



Erase the EIS success, click ok



Read EIS data again, show the related information after erasing

CGDI-MB

OAS420103



EIS



Read/Write Key



Compute Password



Generate EE



Auto Computer



ELV

EIS Basic Information

SSID

ED 8D 3B 32

VIN

Write

Allow Modify

EIS number

2215450308

Mileage

1118481 KM

The last key used

Unused

The penultimate used

7

EIS Key Basic Information

		Used	Disabled
Key 1	2E 09 FF 95 8A D1 06 84	☐	☒
Key 2	BC 10 21 C6 14 40 4D A4	☐	☒
Key 3	DF FF 18 4B E2 41 42 F8	☐	☒
Key 4	DF 57 BA 07 F7 71 C3 68	☐	☒
Key 5	12 13 1B D2 44 7F A1 D8	☐	☒
Key 6	AC 7C 25 A7 F1 9A CA 63	☐	☒
Key 7	1B 49 EF 6C 44 EE D2 3F	☐	☒
Key 8	10 48 9B 71 2C 5F 59 18	☐	☒

Key password

Copy

Paste

Special key

38 41 8D 8C 43 19 91 50

Erase password

Get

Enable Password

Get

☒ Initialized

☒ Personalized

☒ TP cleared

☐ Activated

☐ Dealer EIS

☐ FBS4

Read EIS Data

Save EIS Data

Load EIS Data

Write EIS Data

Wipe the EIS

Clear TP Protection

Activate EIS

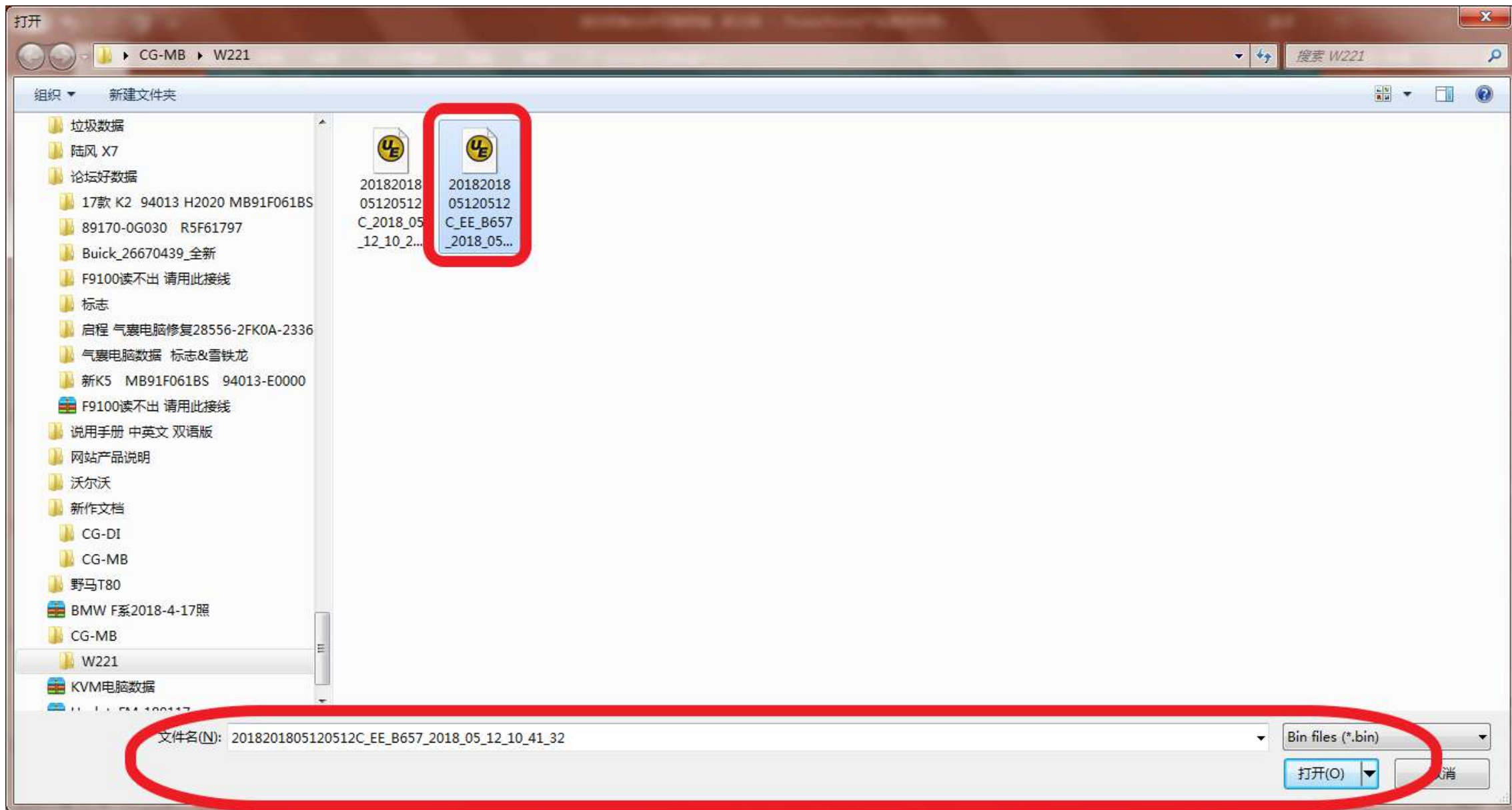
Disable

Enable

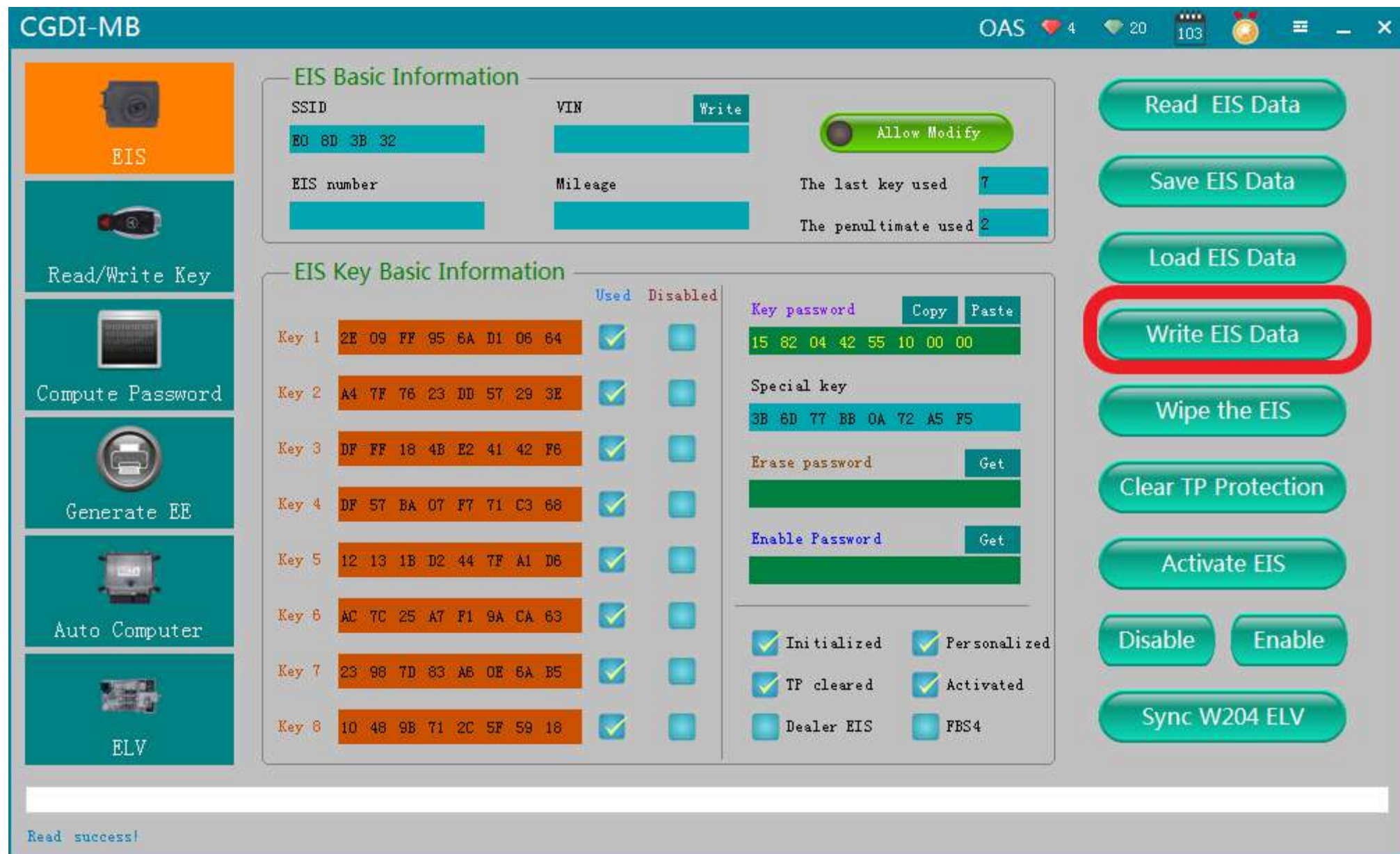
Sync W204 ELV

Read success!

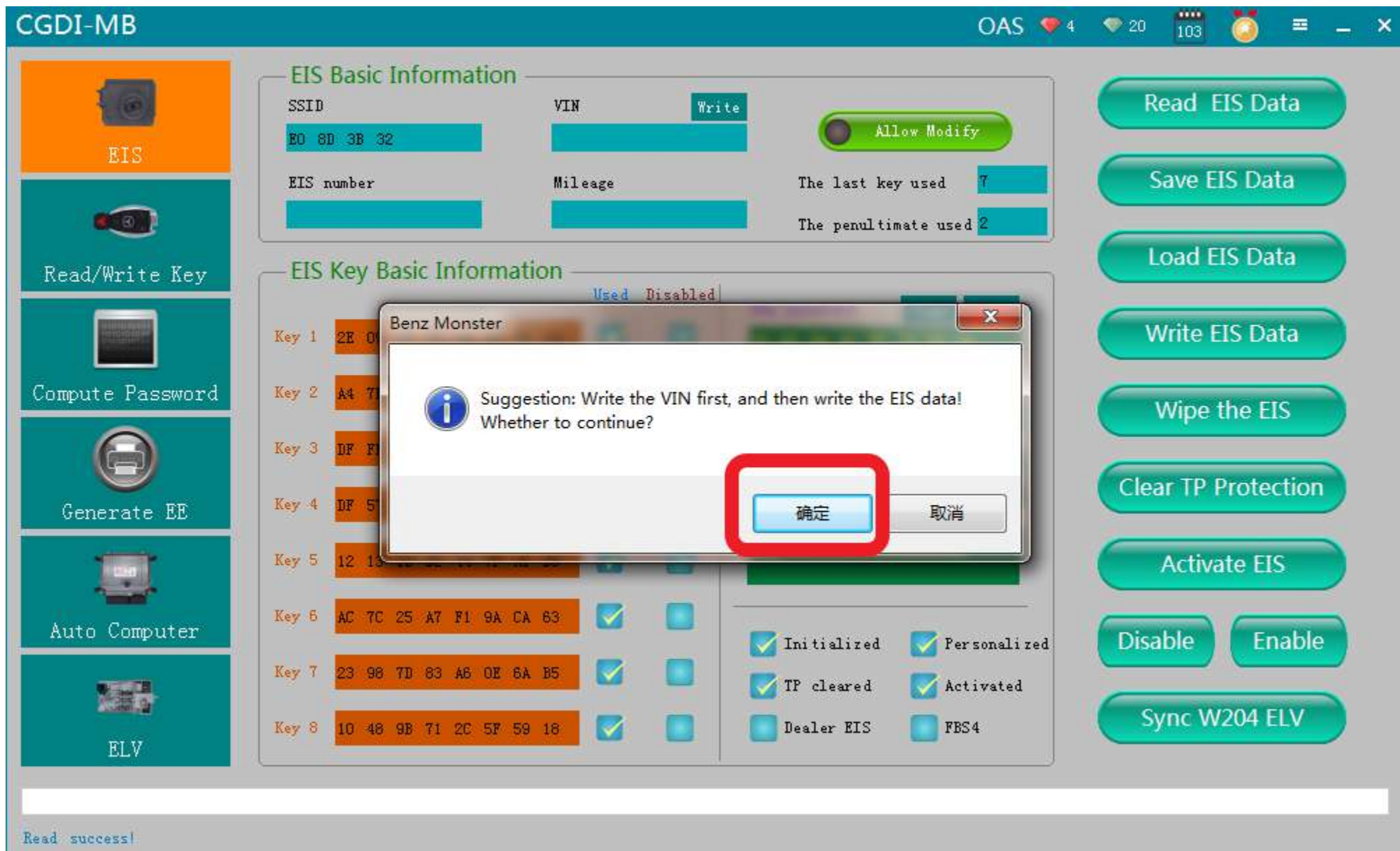
Click "Load EIS Data"



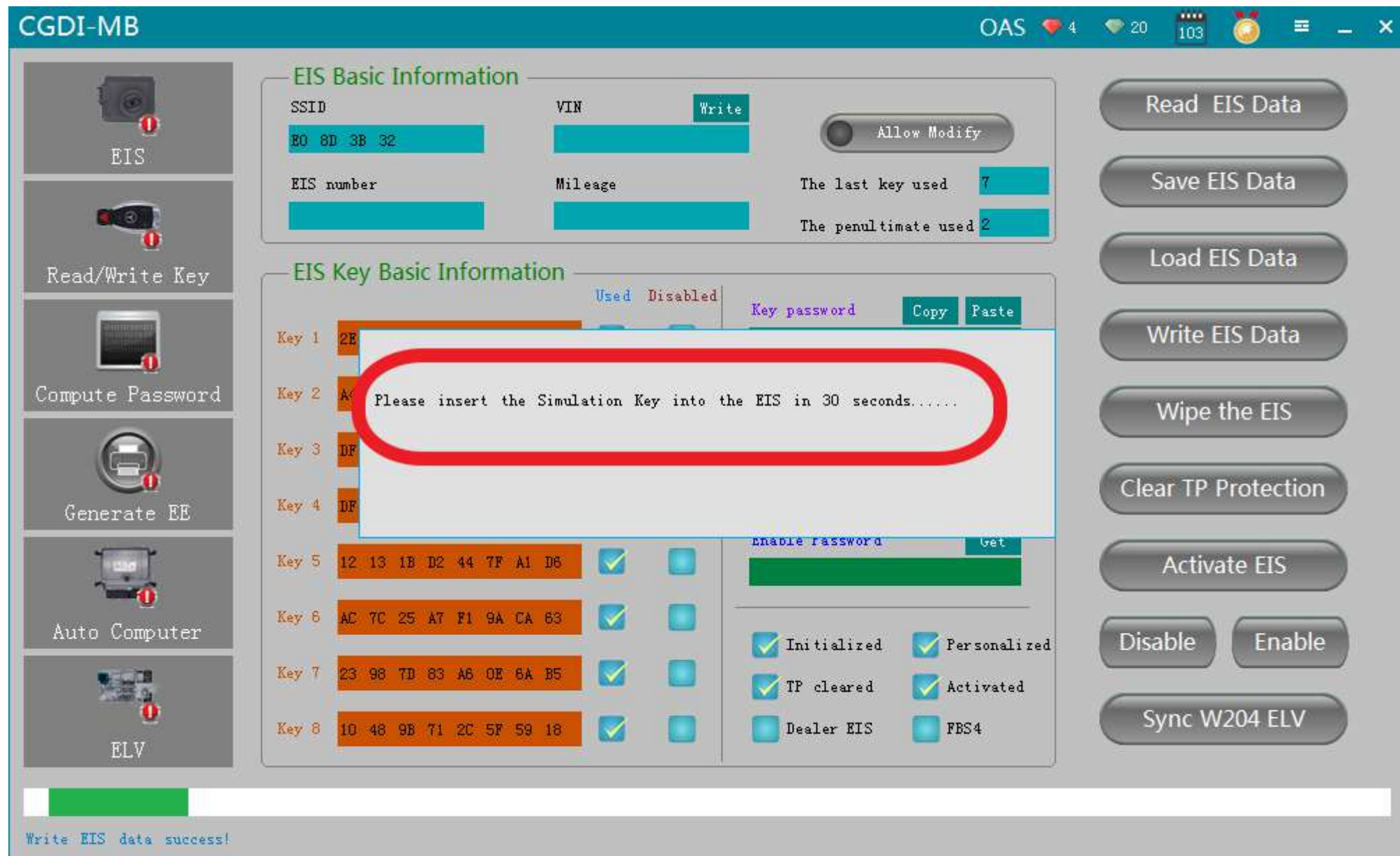
Open the EIS data just saved



Click“ Write EIS Data”



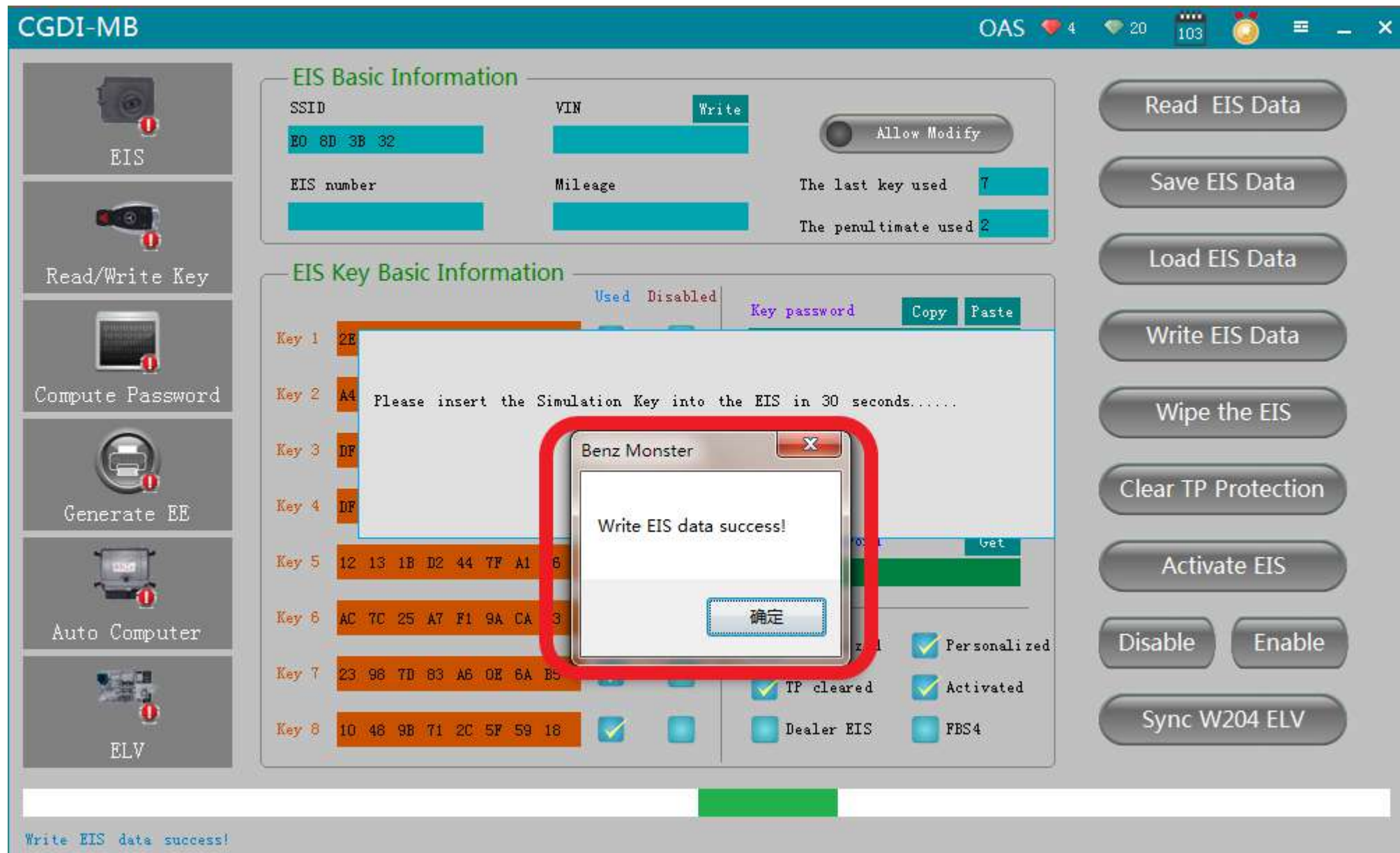
Click ok



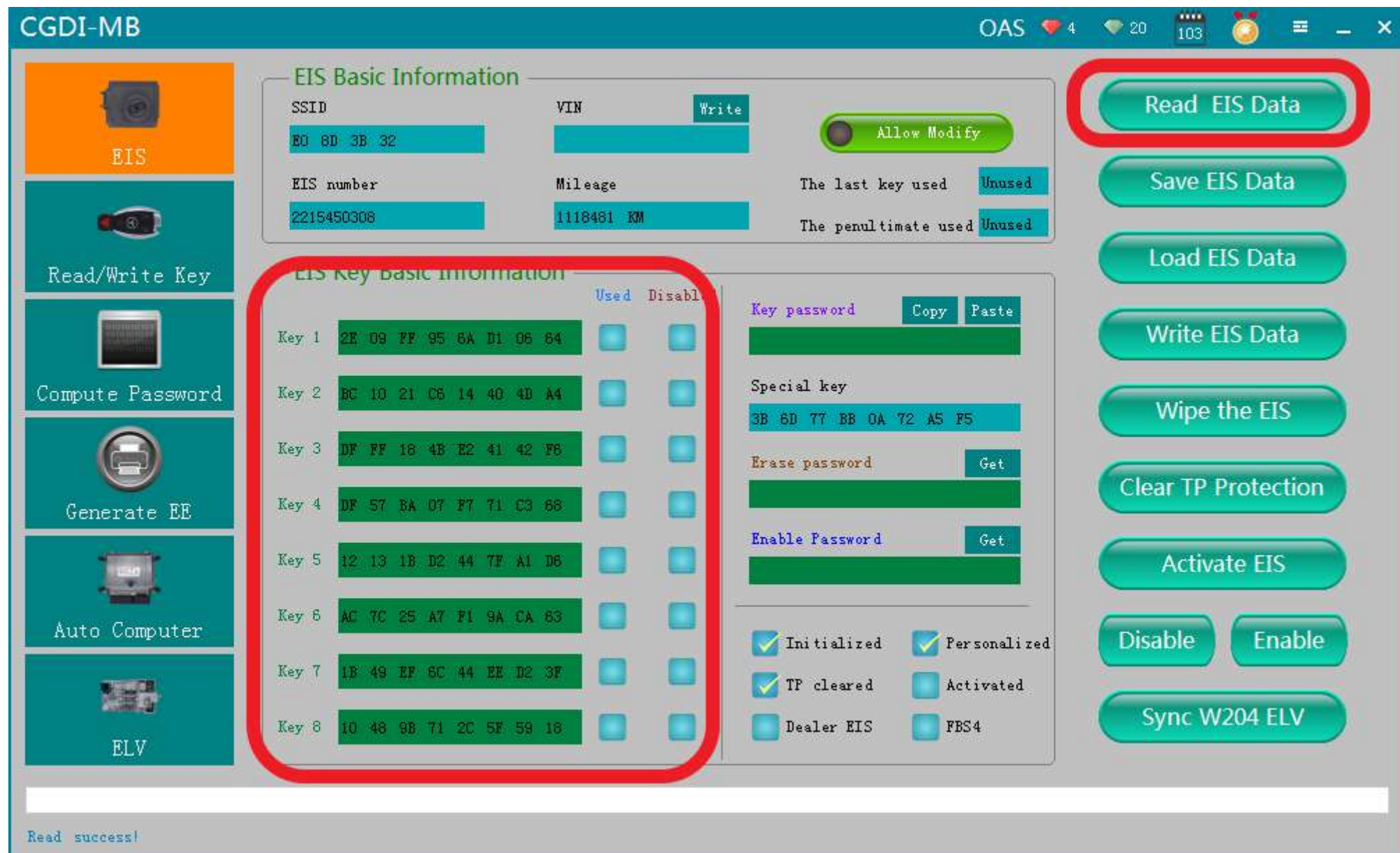
please insert the simulation key into the EIS in 30 seconds



simulation key physical operation diagram



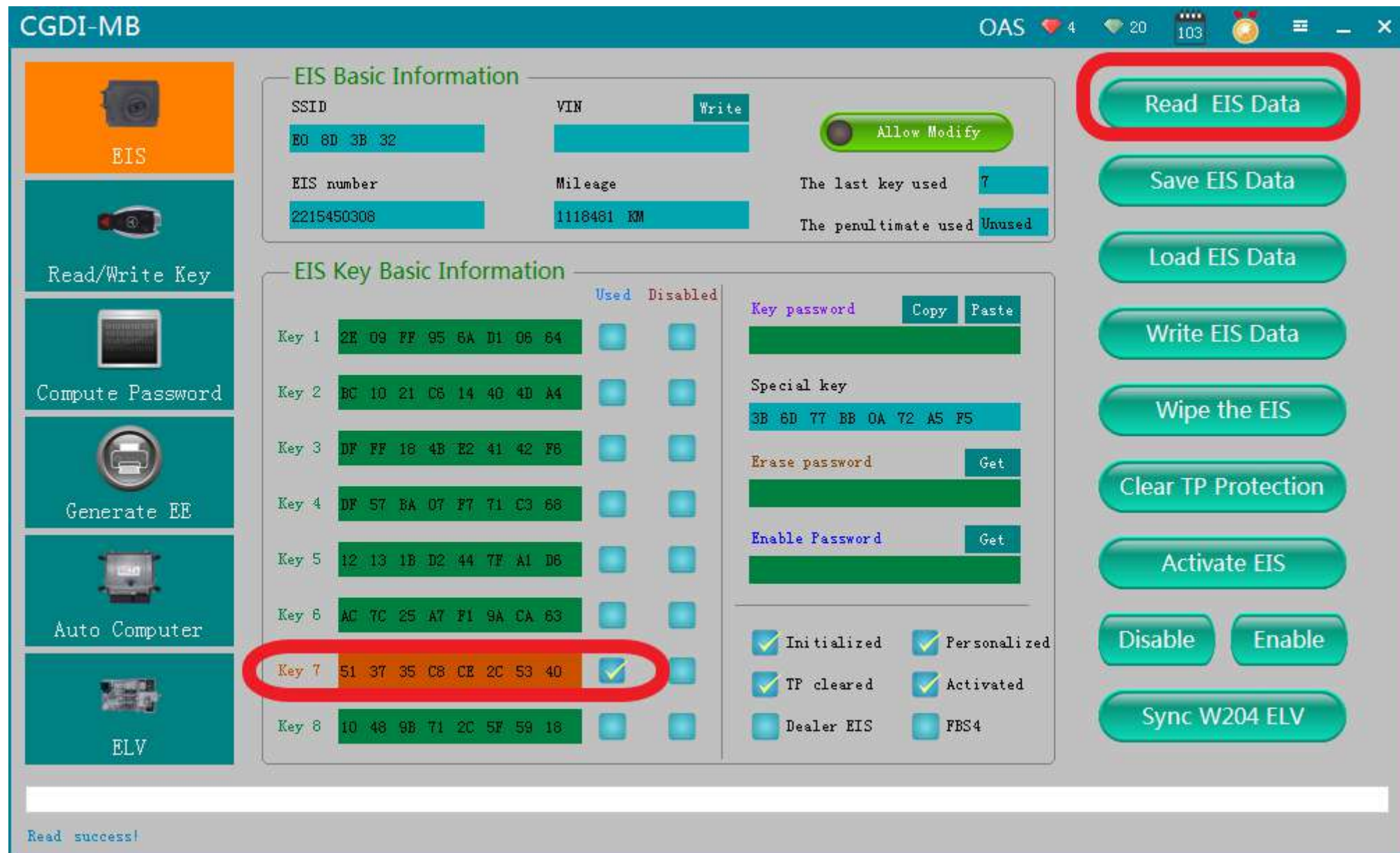
Write EIS data success



Read EIS data again, showed as above picture

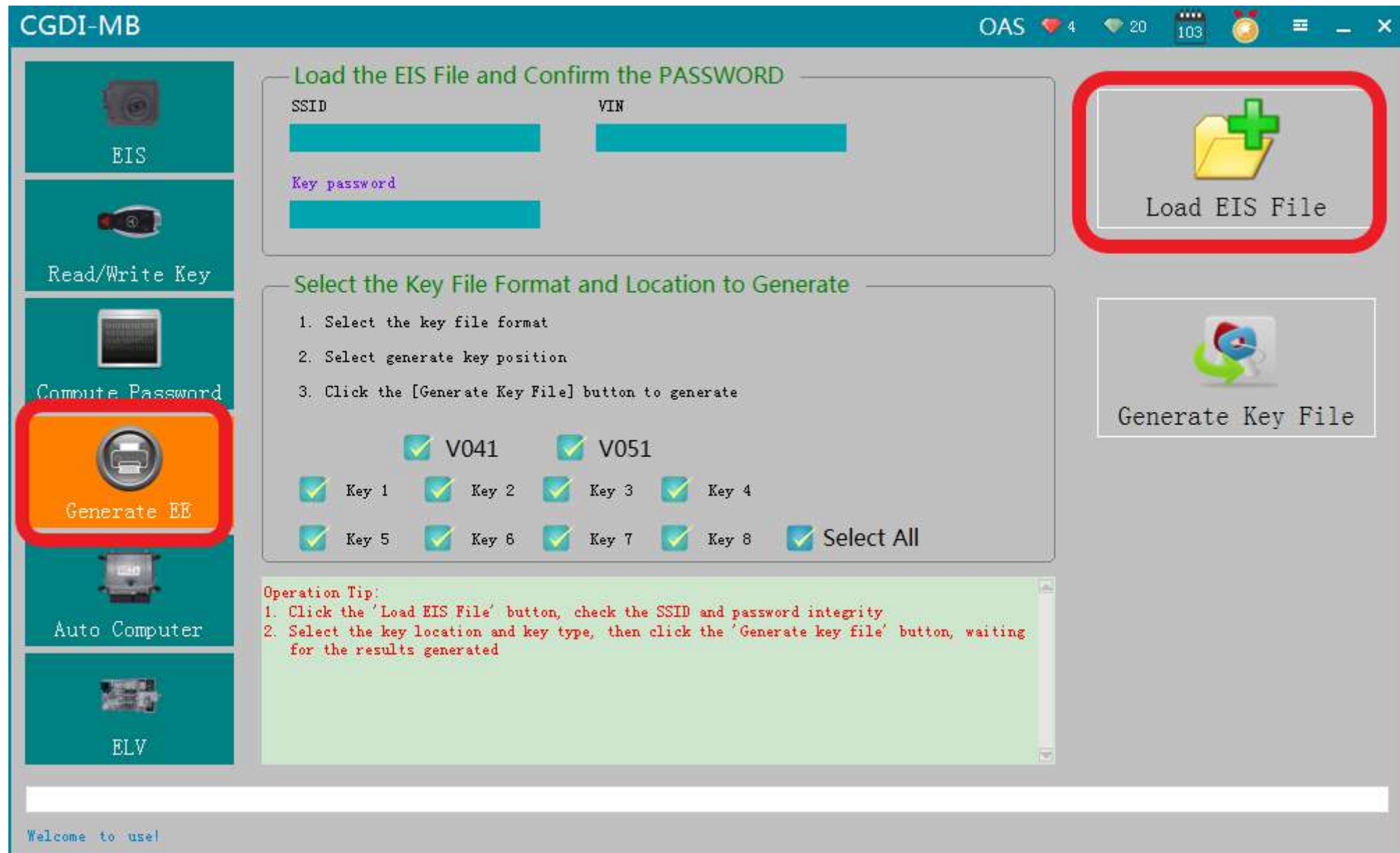


Insert the original car key into the lock to learn and start

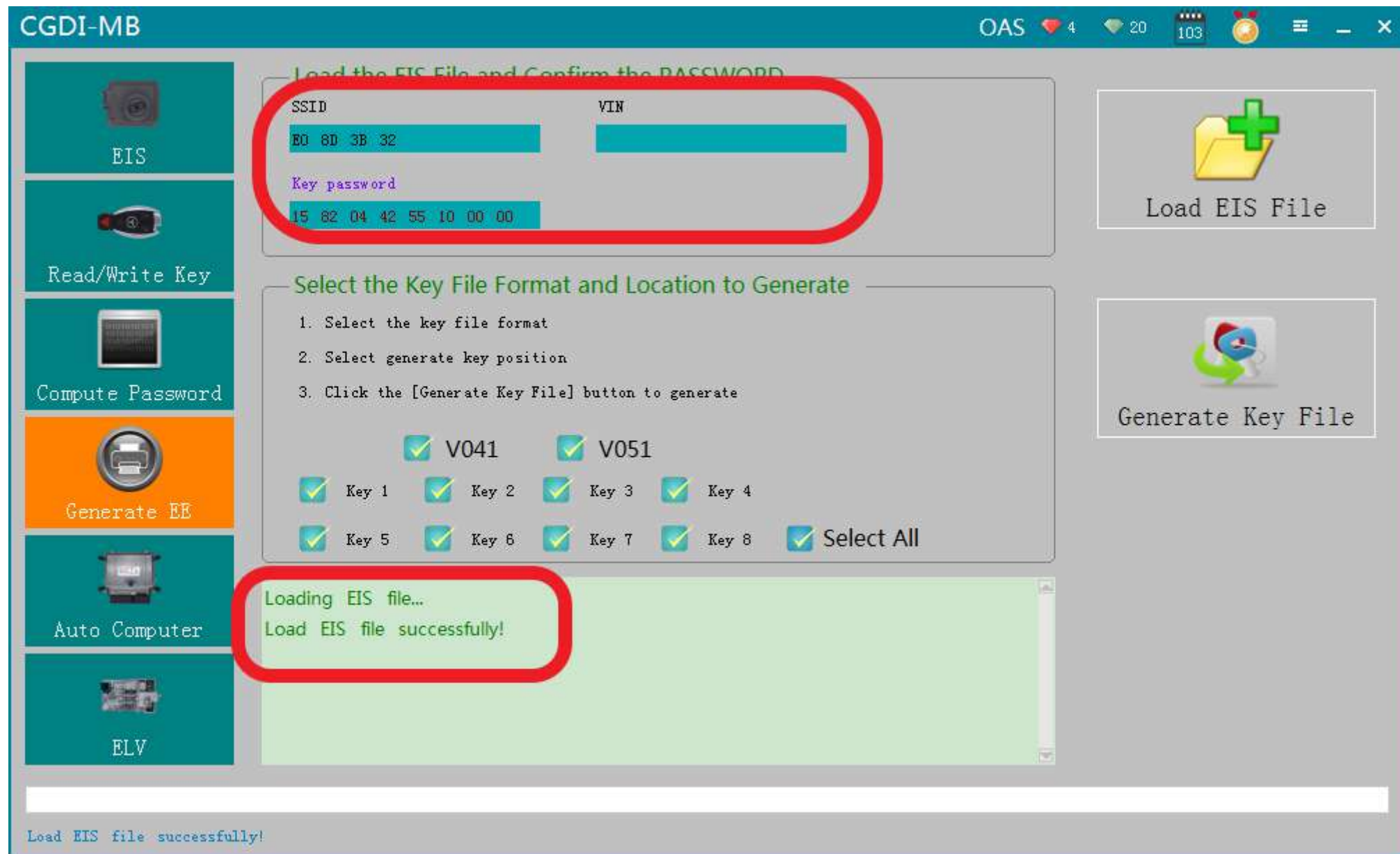


Read EIS data again, left origin key position data only, erase key position data successfully

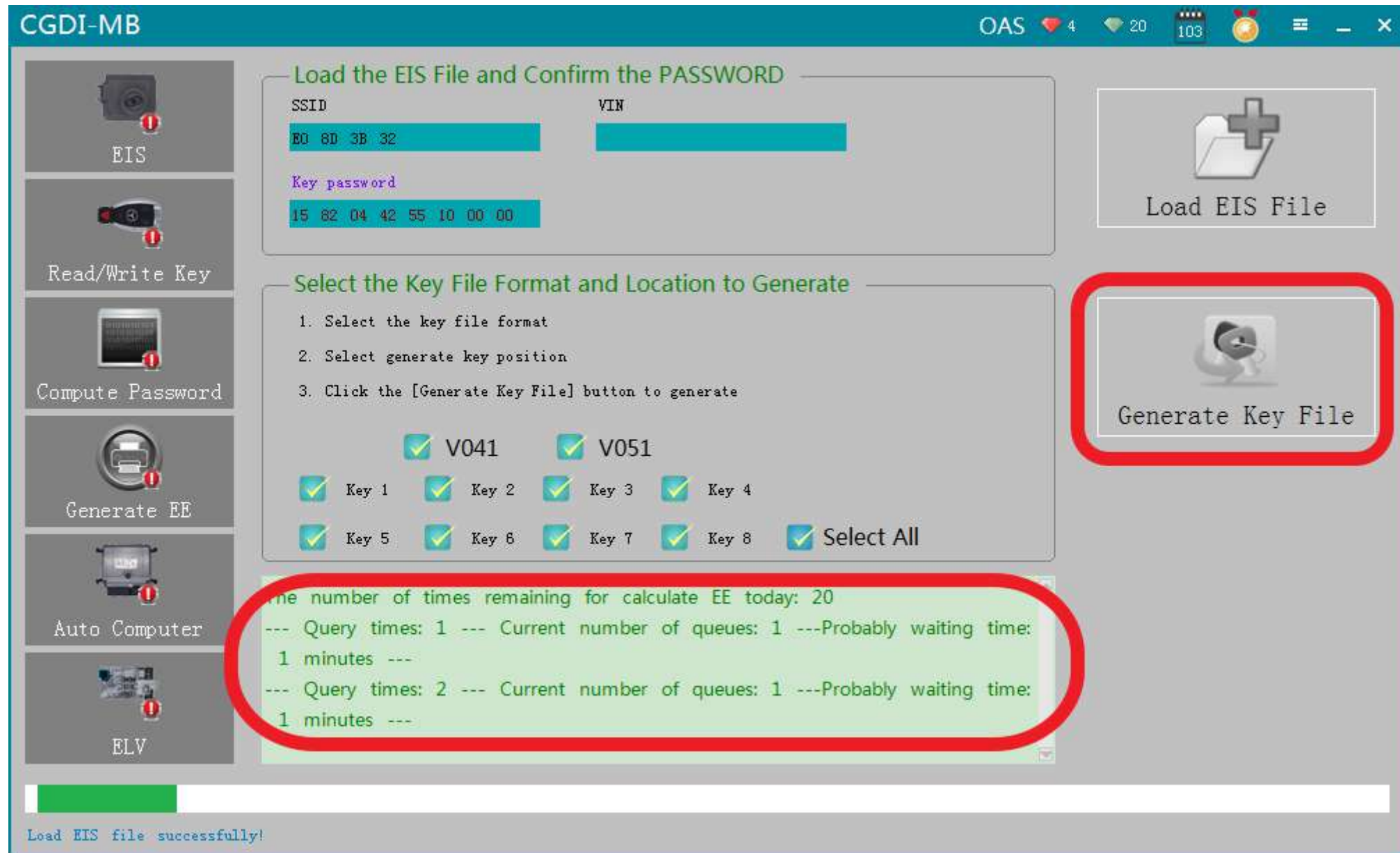
The second step
Match new key



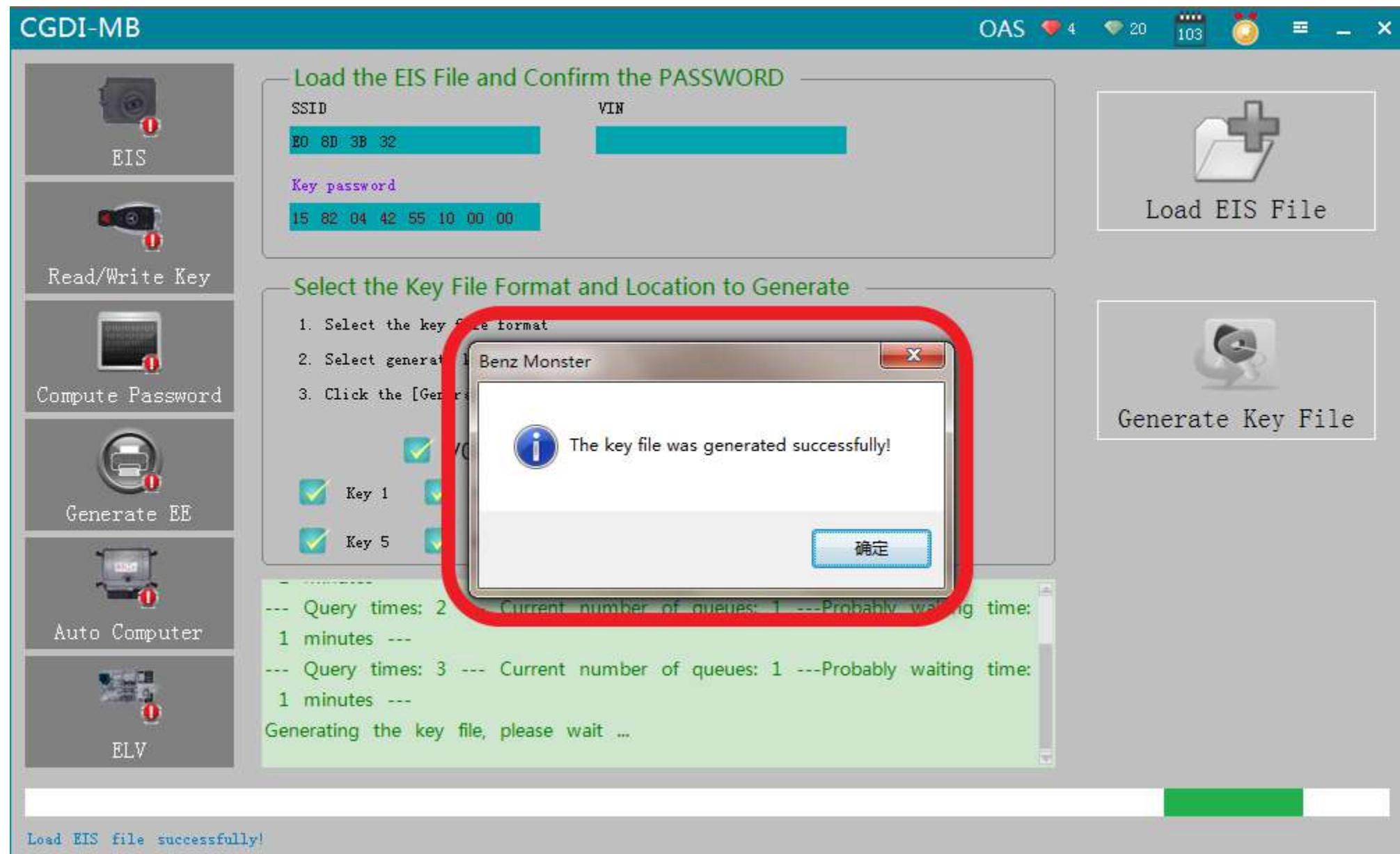
Go to “Generate EE”, load EIS file just saved



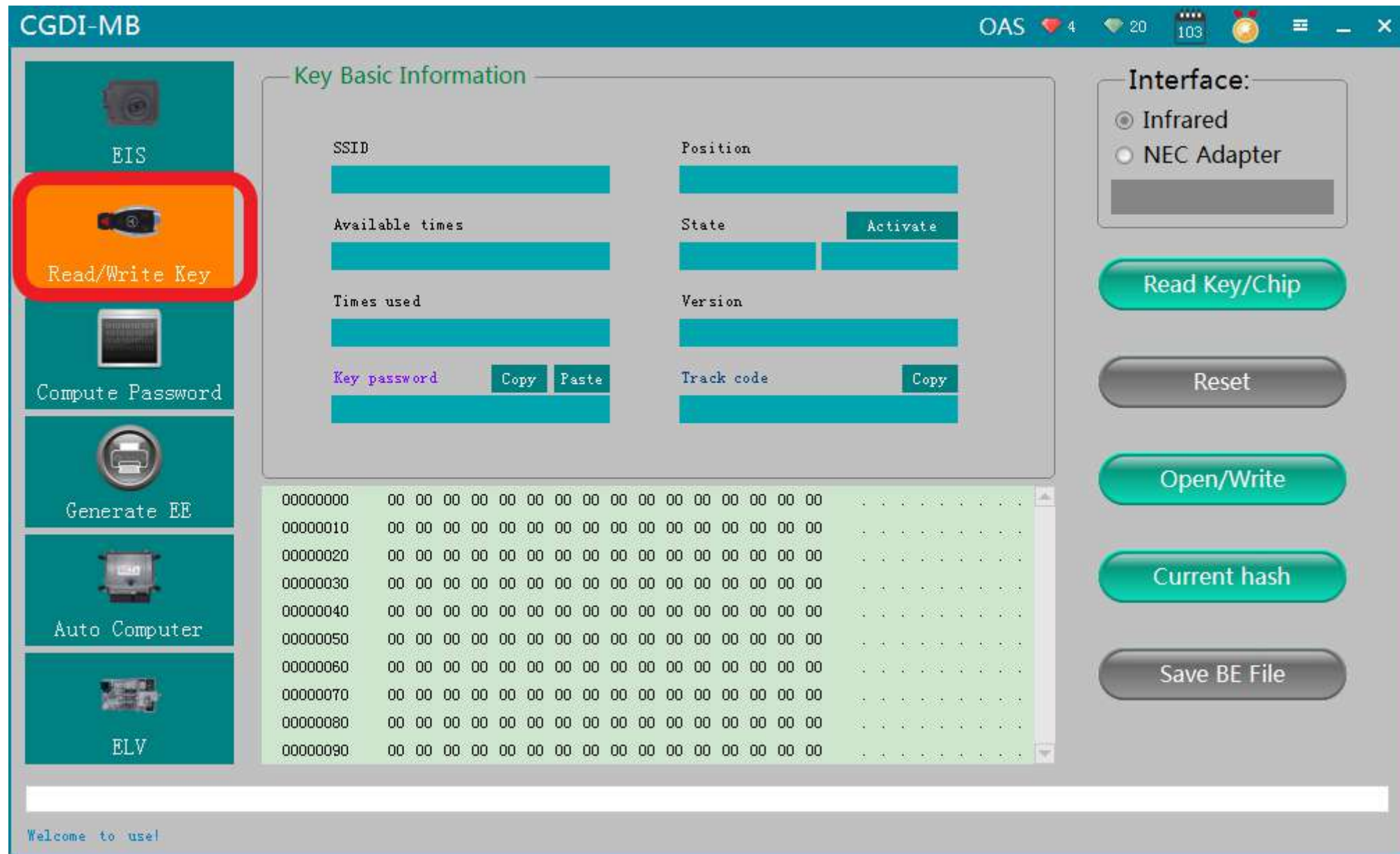
Load successfully, please check the information to see whether it is correct



Click“Generate key file”, please wait.....



The key file was generated successfully, please save data file



Go to “Read/write key”



please insert the new key into CG-MB device

CGDI-MB OAS 4 20 103

EIS

Read/Write Key

Compute Password

Generate EE

Auto Computer

ELV

Key Basic Information

SSID
00 00 00 00

Available times
00

Times used
00

Key password Copy Paste

Position
00

State Activate
21DF Unused

Version
BE

Track code Copy

Interface:

☒ Infrared

☐ NEC Adapter

Read Key/Chip

Reset

Open/Write

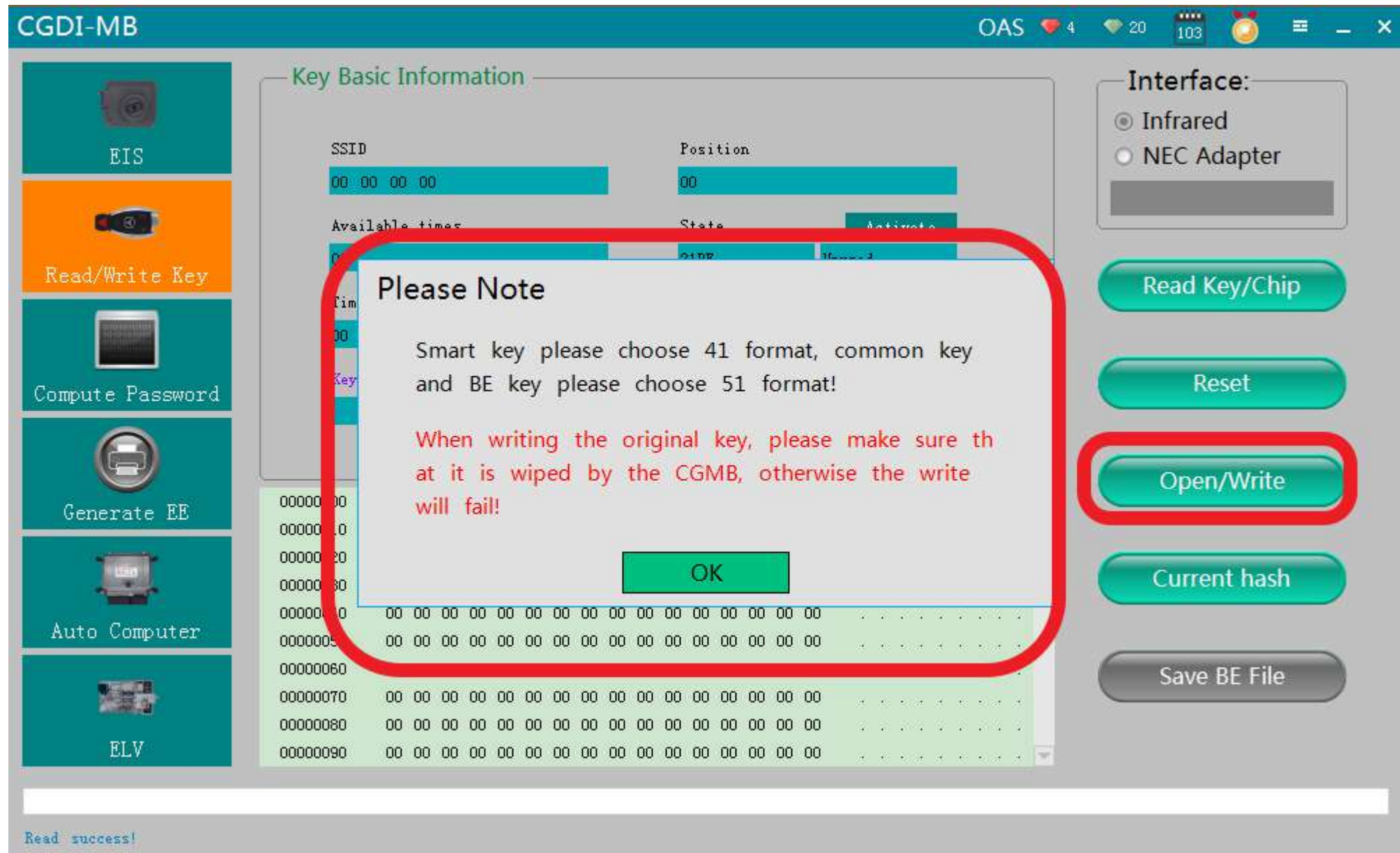
Current hash

Save BE File

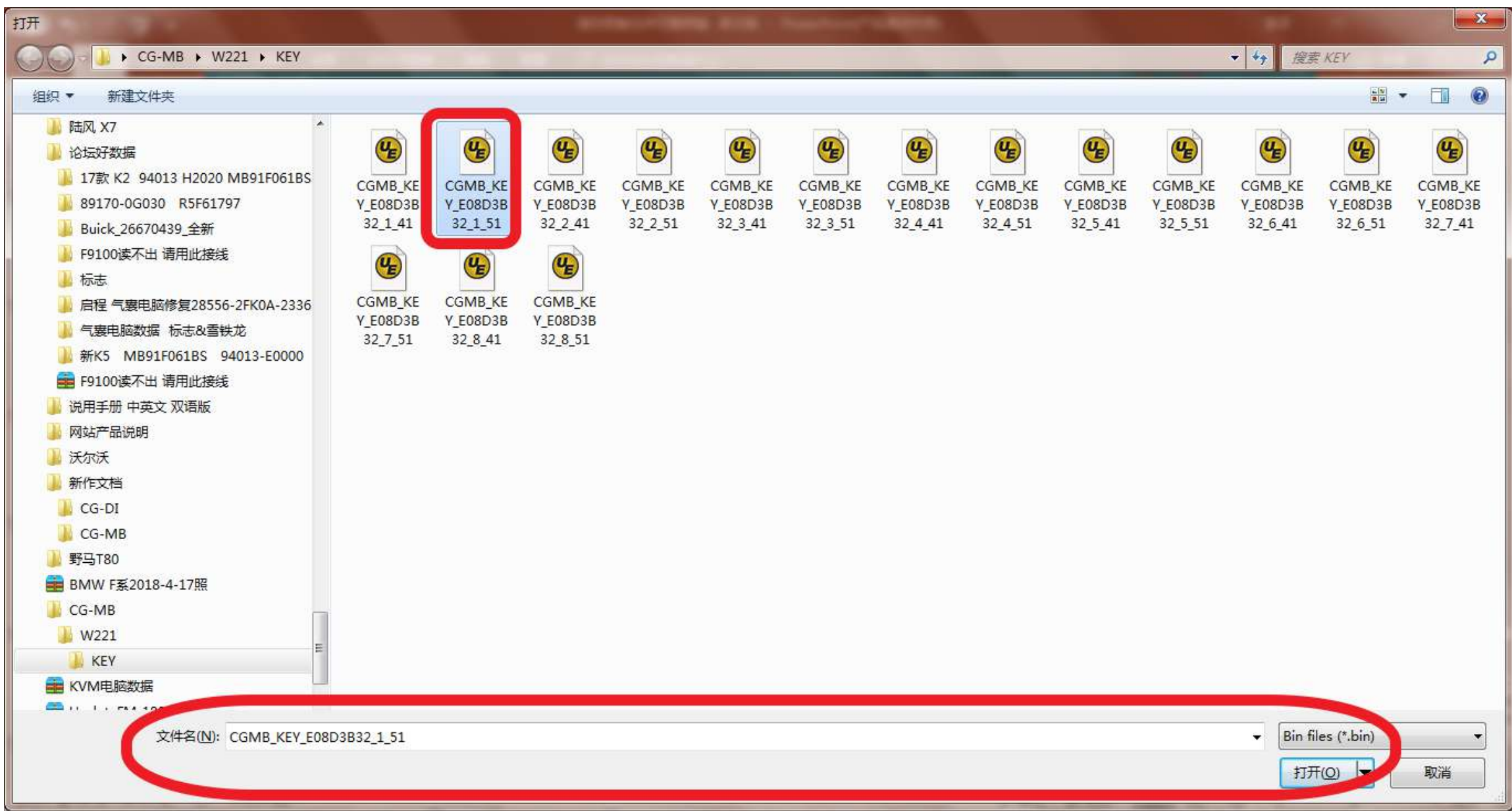
00000000	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00 00 00
00000010	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00 00 00
00000020	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00 00 00
00000030	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00 00 00
00000040	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00 00 00
00000050	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00 00 00
00000060	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00 00 00
00000070	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00 00 00
00000080	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00 00 00
00000090	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00 00 00

Read success!

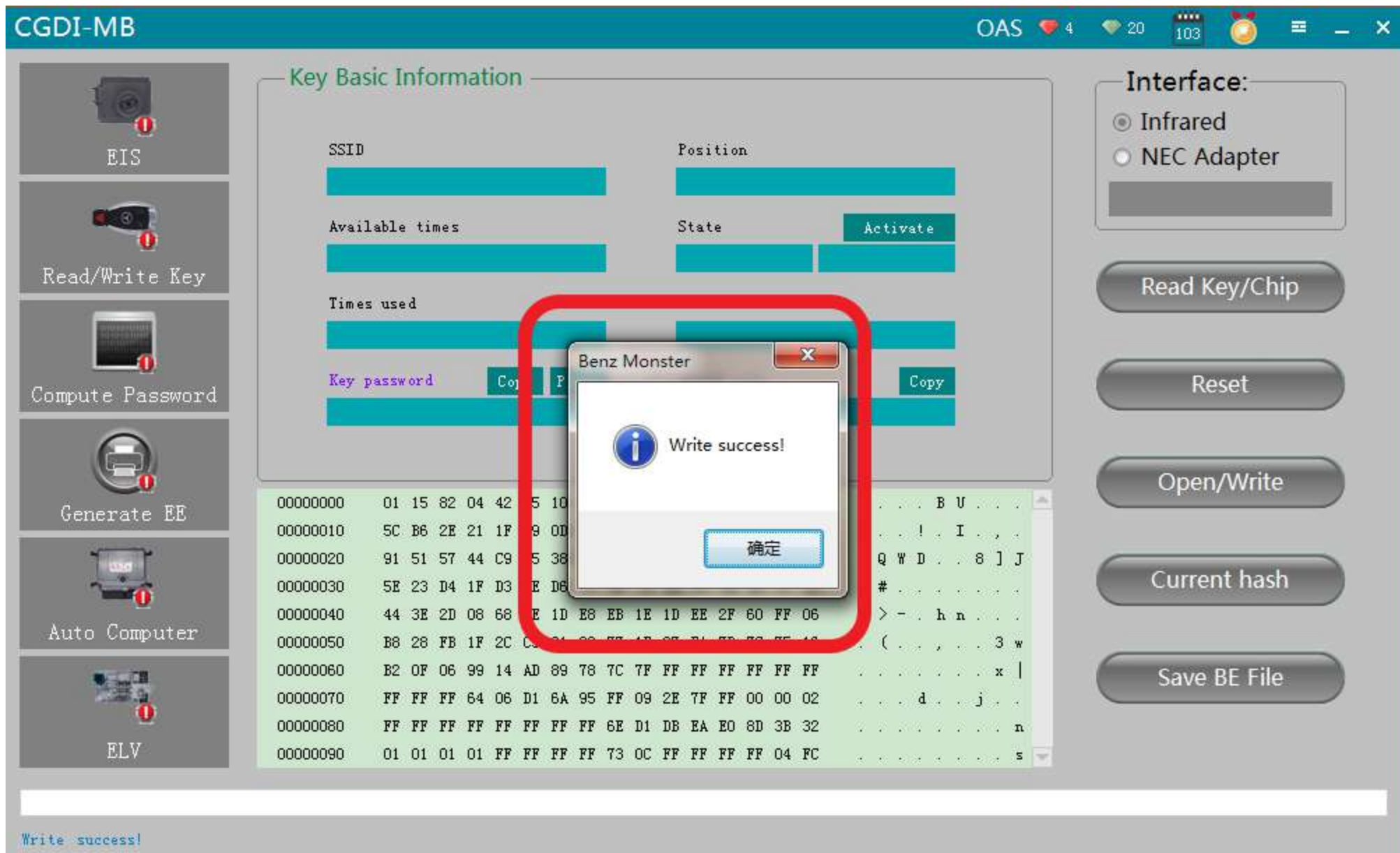
Click "read key", show key information



Click "write", please read the prompt carefully, click ok



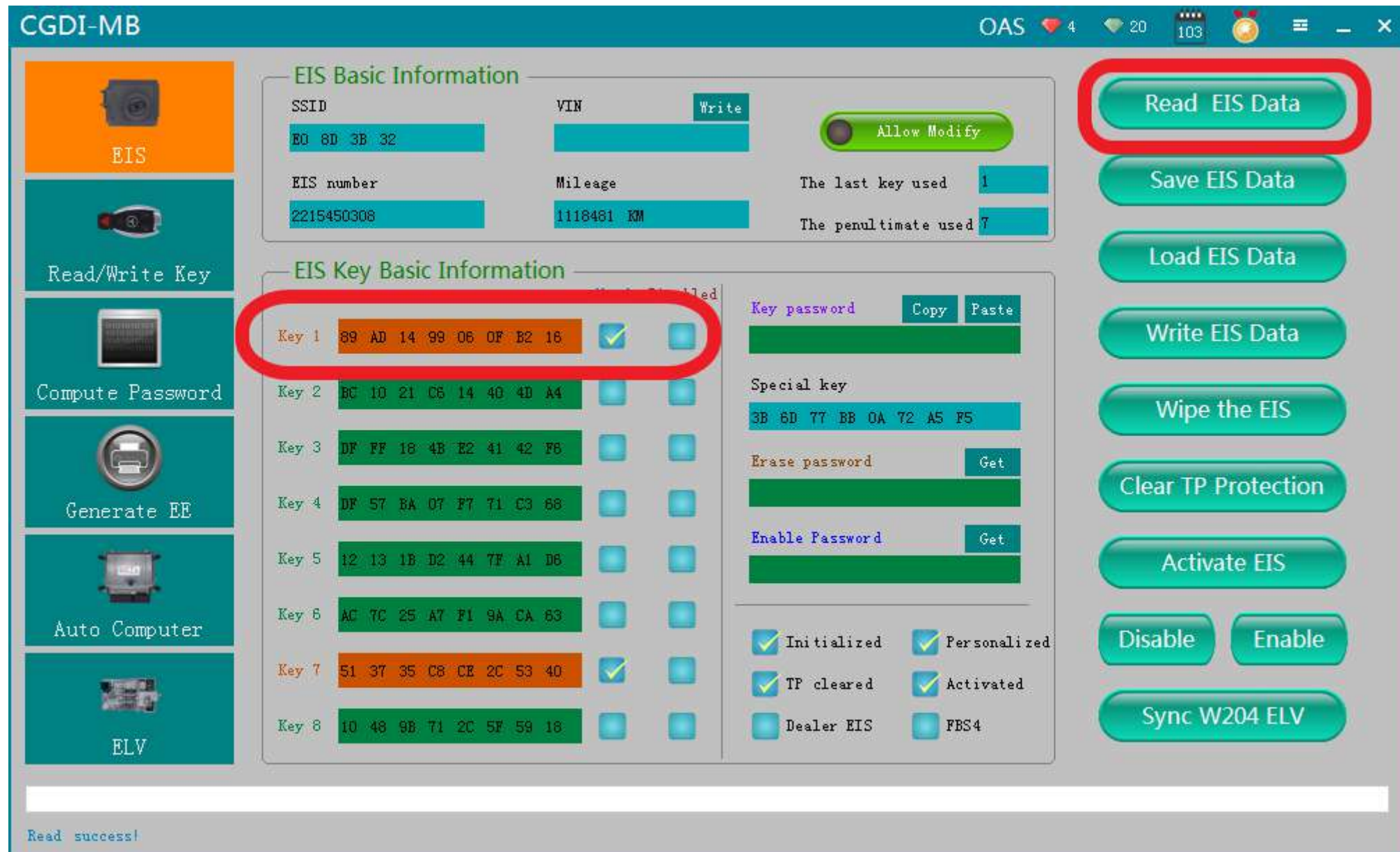
Choose—unused key position data, click and open it



Write success



please insert the new key into EIS to learn, start the car after learning



Read EIS data again, show ✓ , combine the car to start, match new key successfully !