

How to Reset Mercedes Benz TCU ECU ISM DSM ESM with CGDI MB

How-to: reset Mercedes-Benz TCU/ECU/ISM/DSM/ESM using [CGDI Prog MB](#) Benz Monster key programmer.

[Part 1: Reset TCU with CGDI MB](#)

[Part 2: Reset/Virgin ECU with CGDI MB](#)

[Part 3: Reset ISM/DSM/ESM with CGDI MB](#)

Necessary cable used:

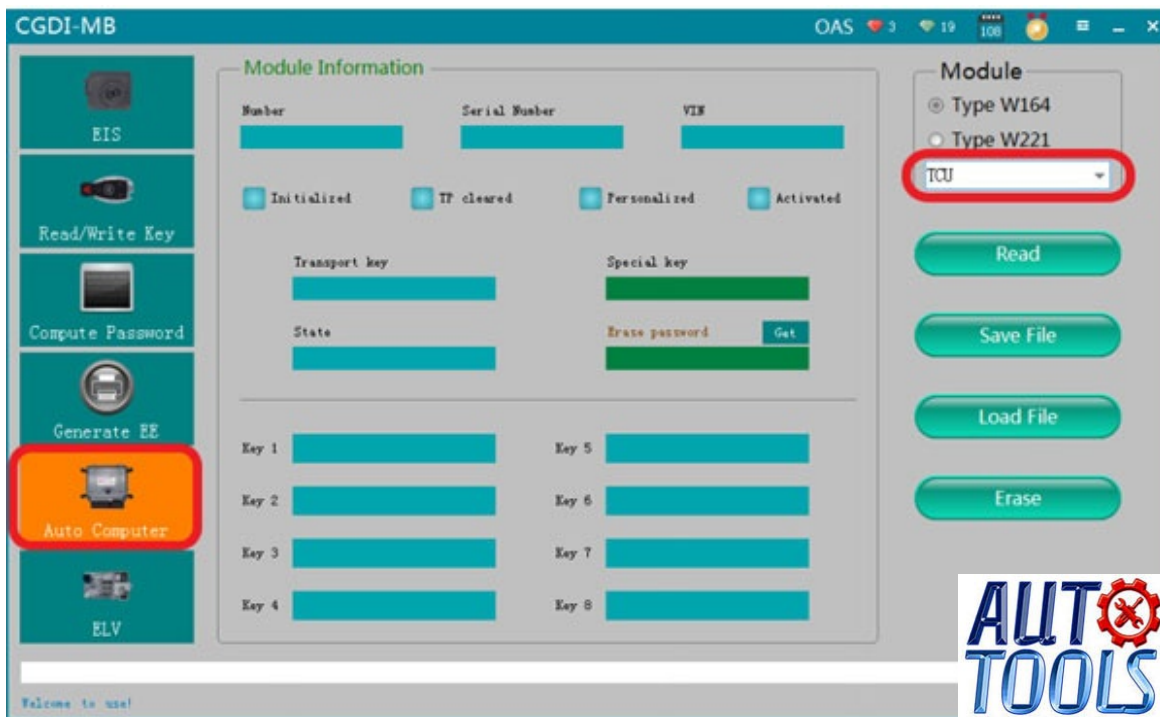
[Benz 7G+ISM cable](#)

Part 1: Reset TCU with CGDI MB

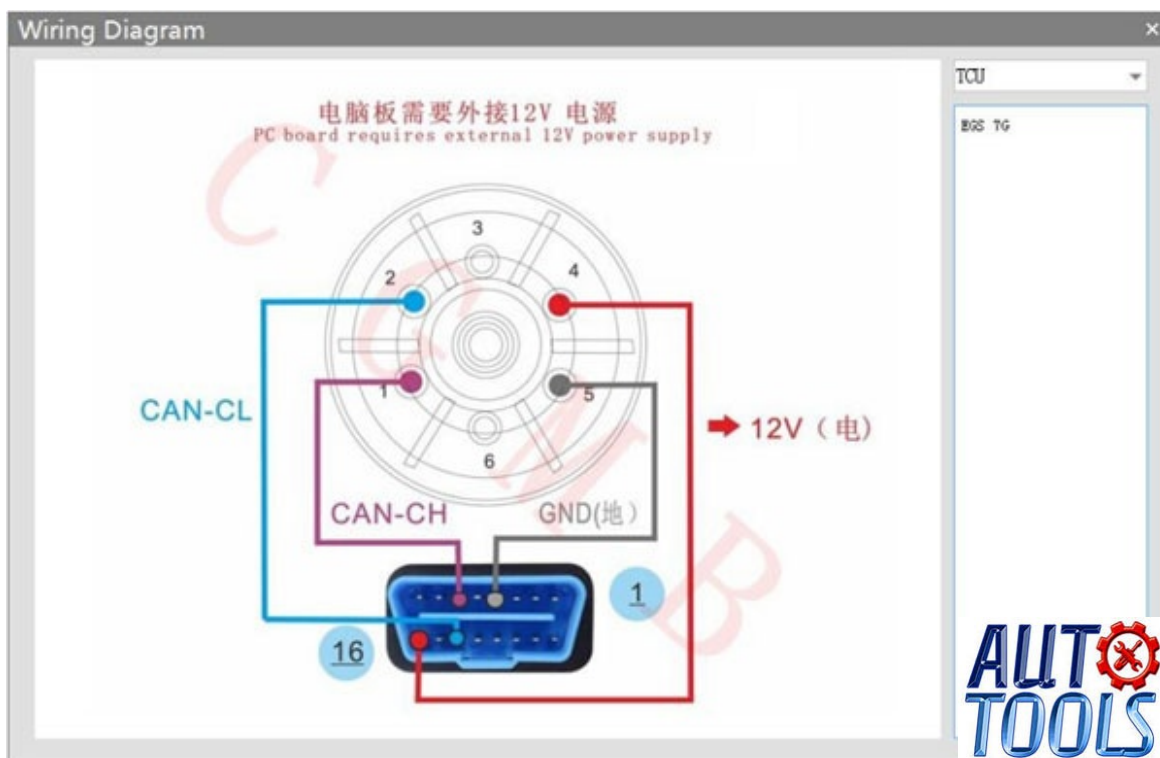


EGS 7G Gearbox style

Remove the TCU from vehicle, and connect according to the software wiring diagram



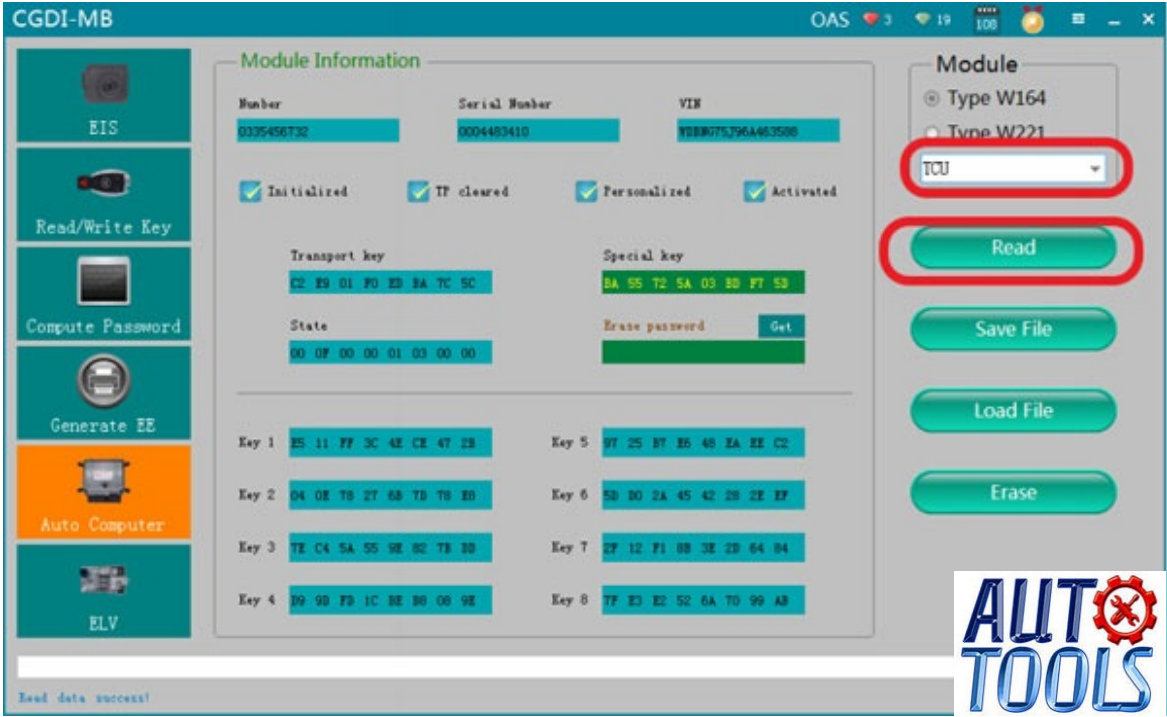
Select Auto Computer function, select TCU module



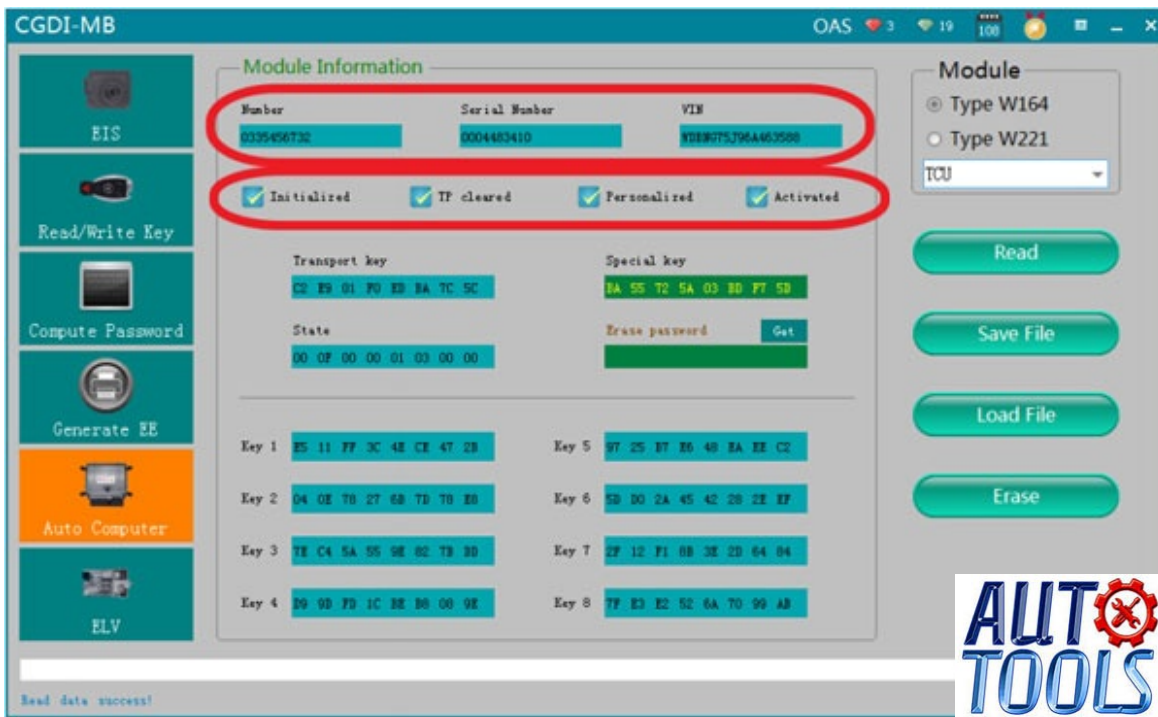
Check software wiring diagram



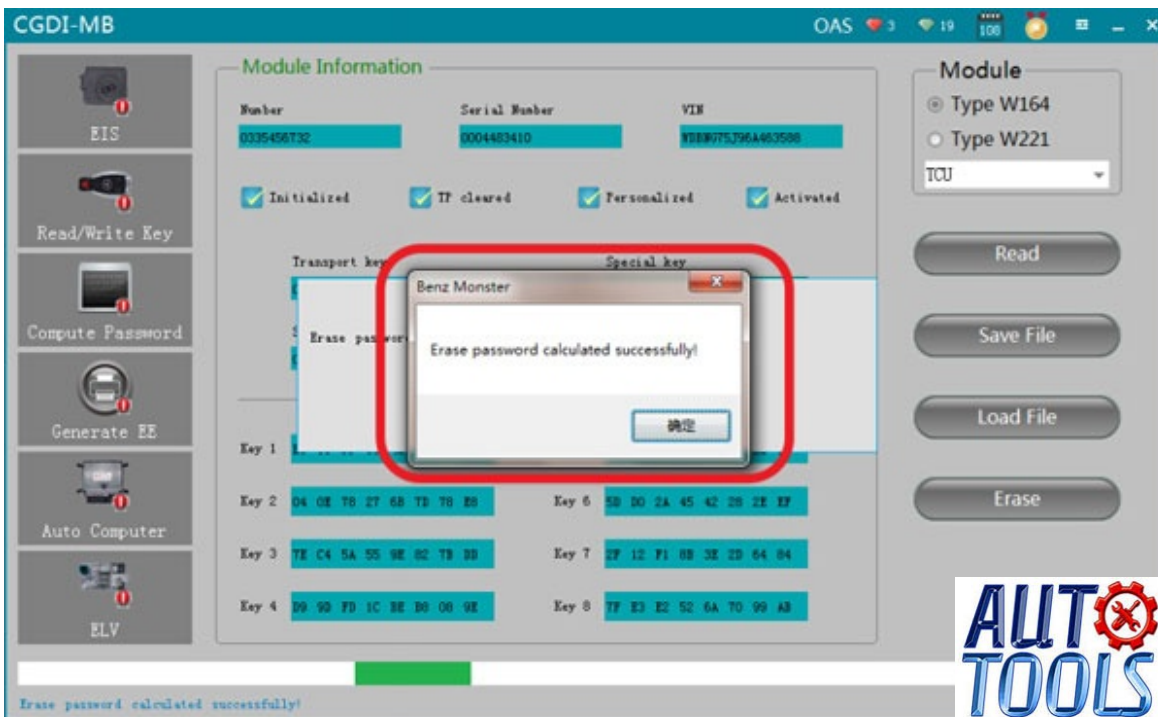
Physical wiring diagram



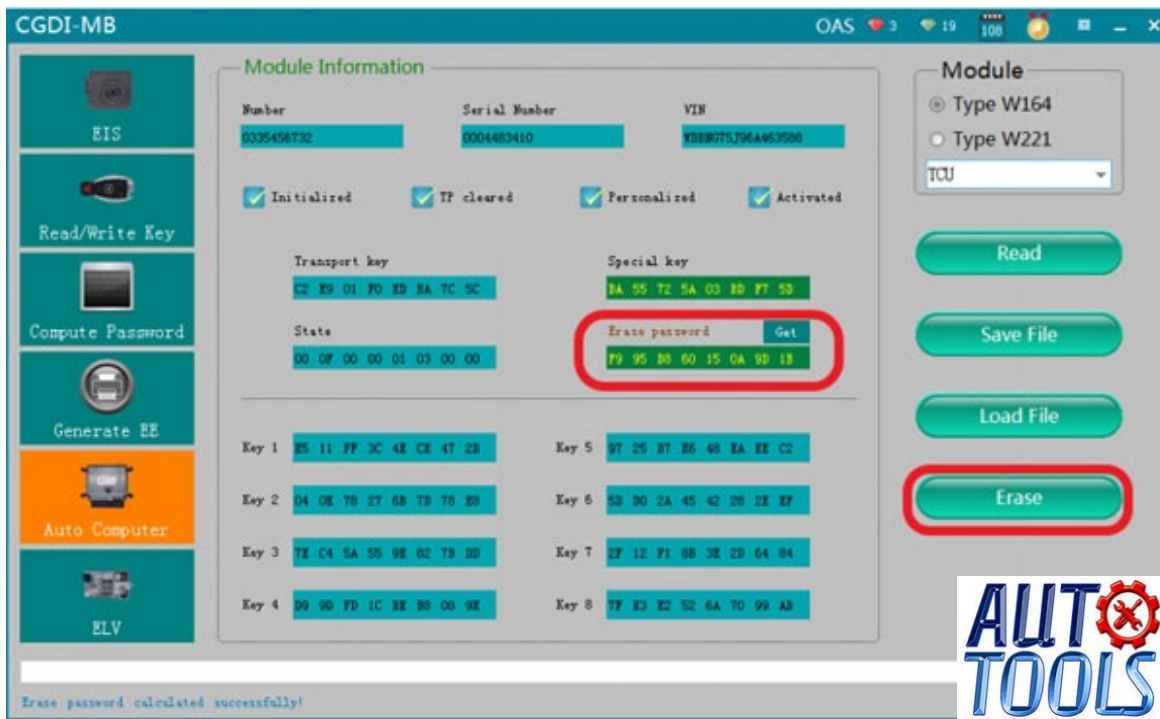
Click on Read



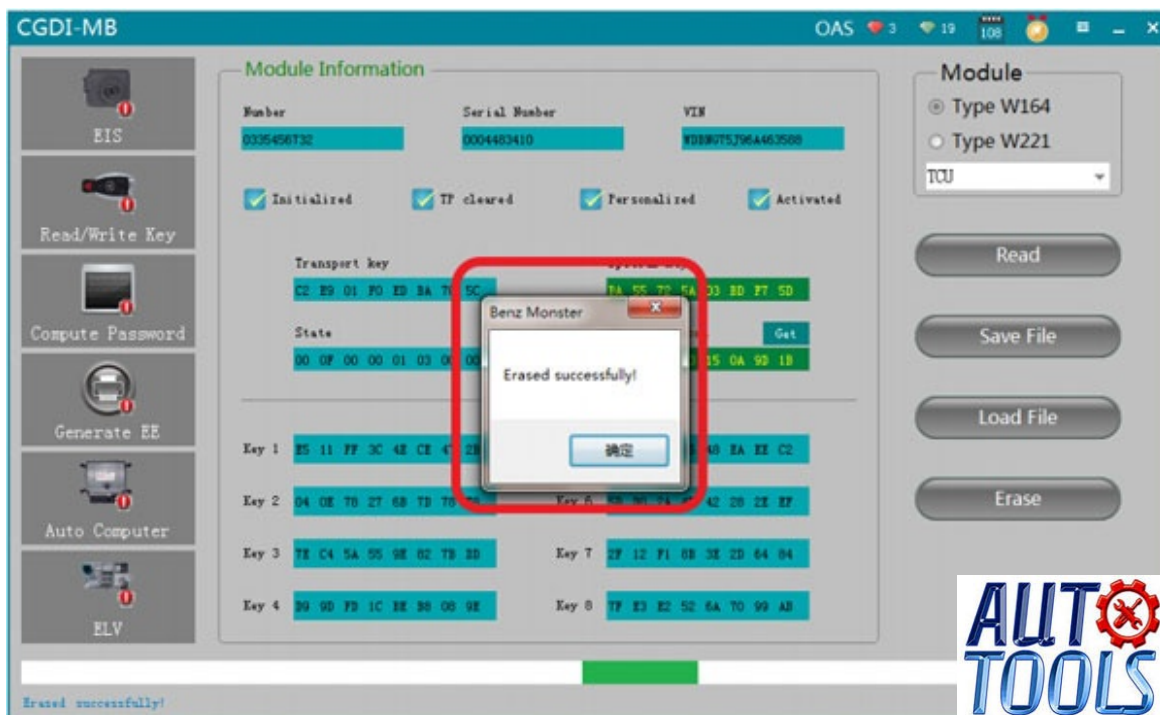
Gearbox related information



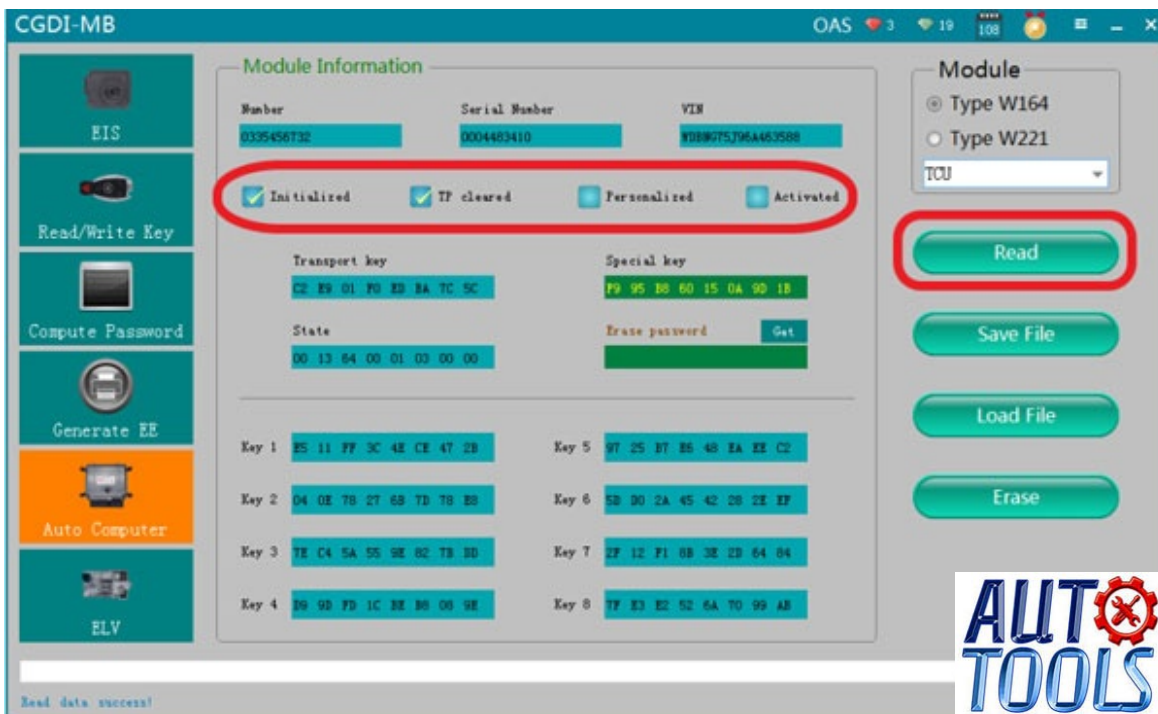
Click to get erase password, calculate pass successfully



Get the password successfully, click "Erase"



Erased successfully



Click "Read" again, CGDI MB shows it was erased.

Part 2: Reset/Virgin ECU with CGDI Prog

Remove ECU from car, and connect according to the software wiring diagram



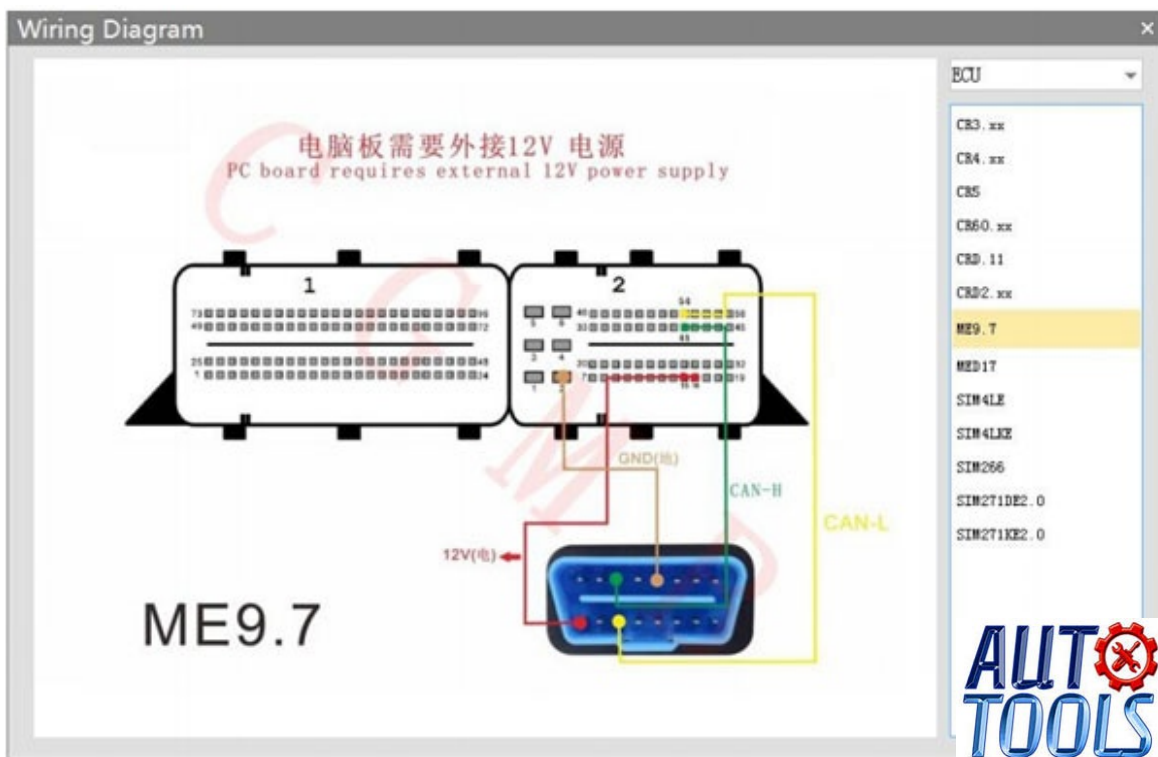
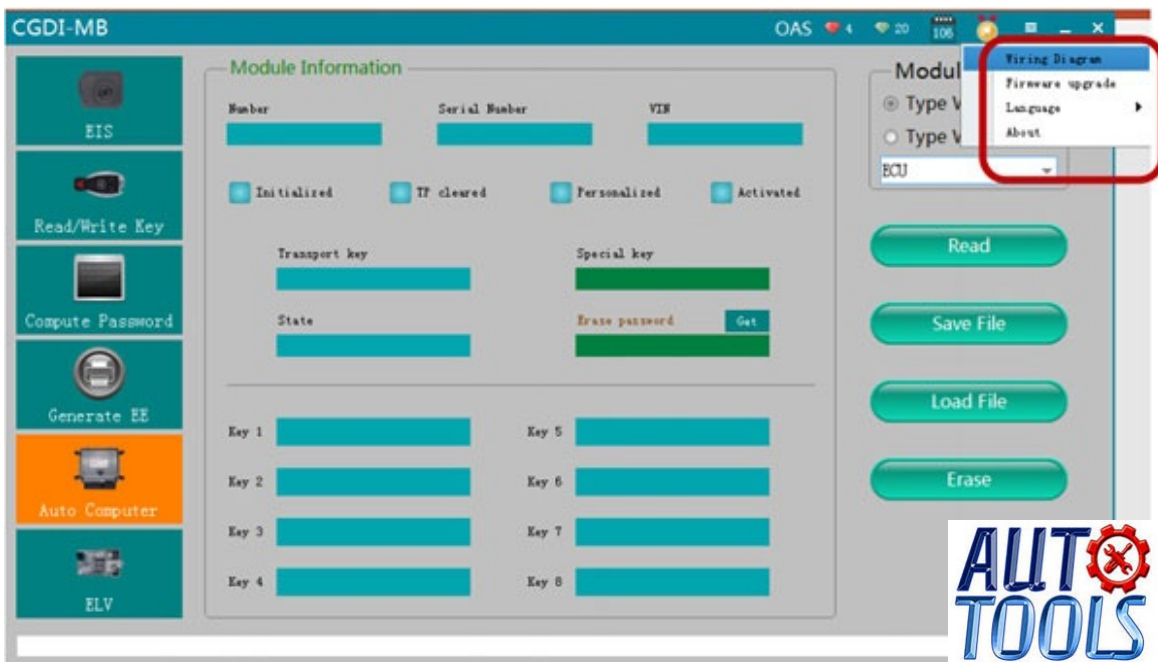
Engine computer pin



i.e Bosch ECU ME9.7



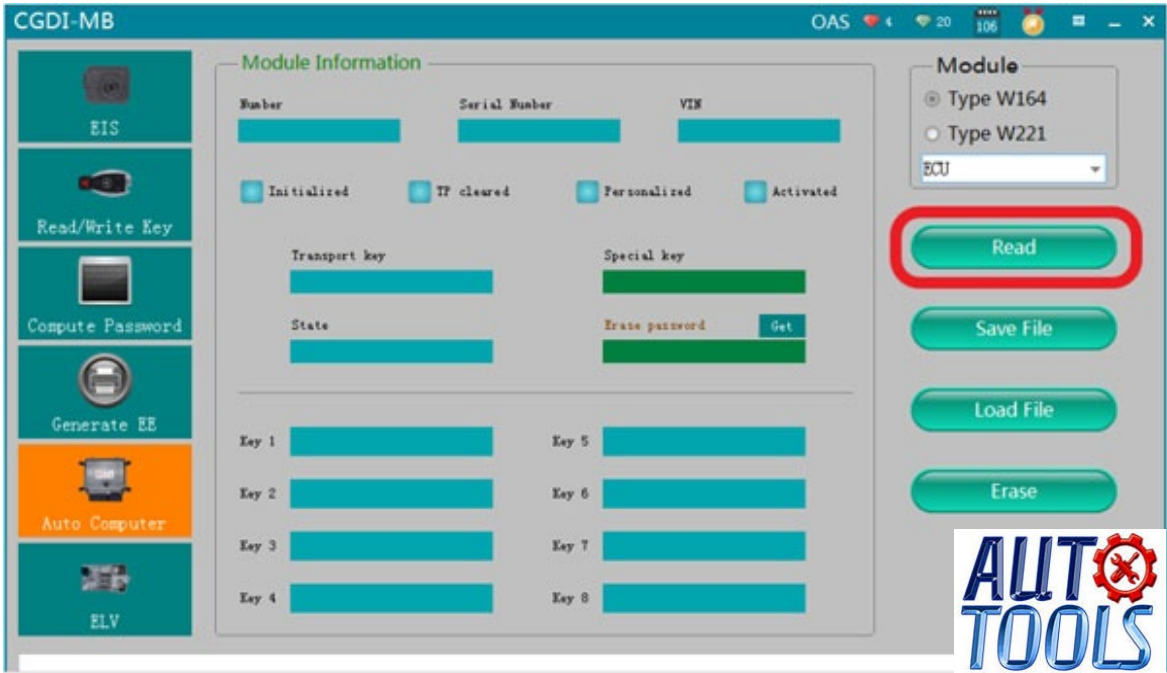
Open software, enter Auto computer, choose“Engine computer”



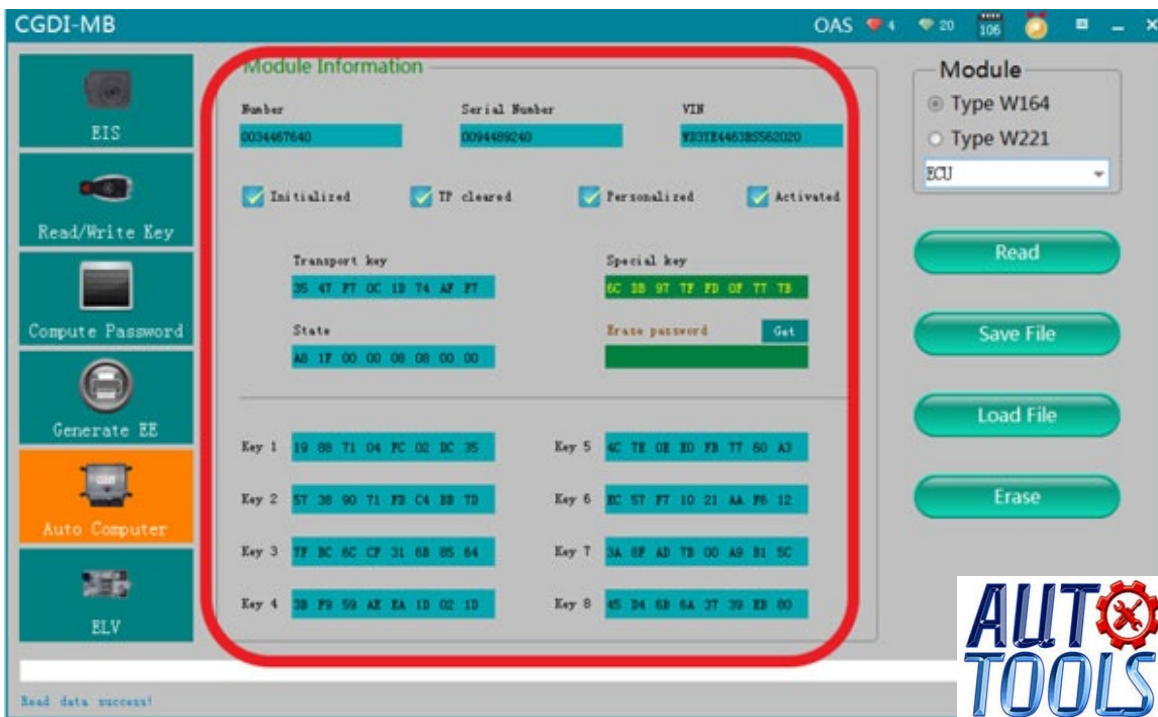
Software wiring diagram



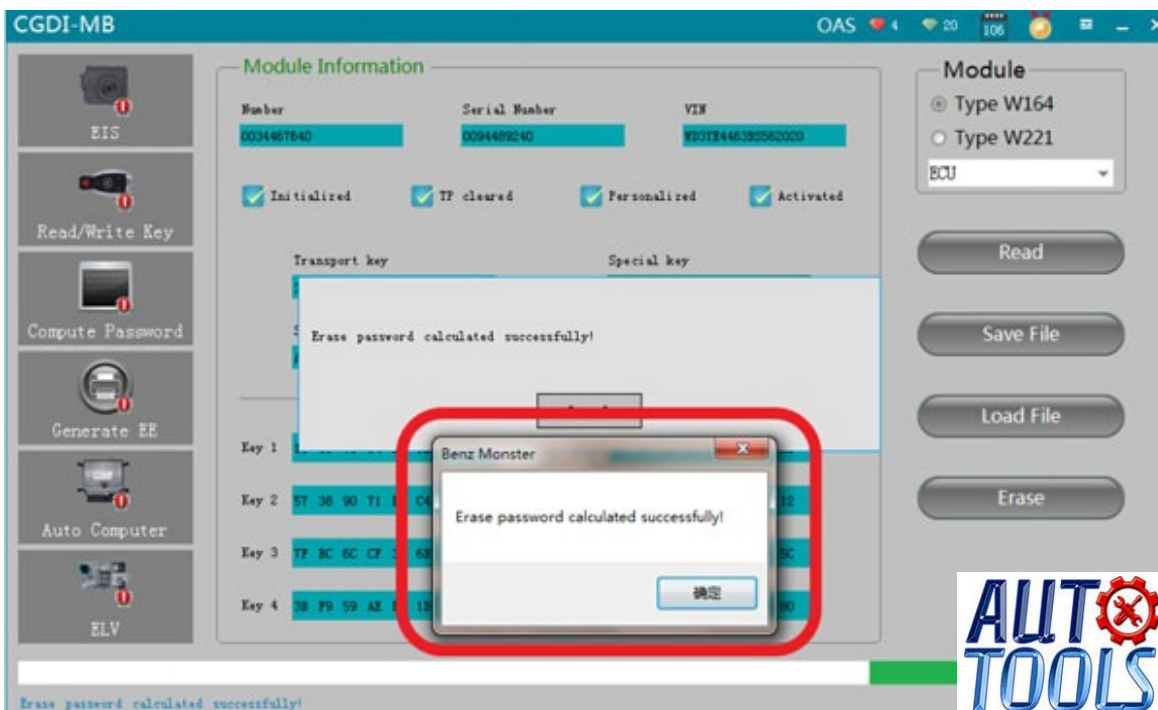
Physical wiring diagram



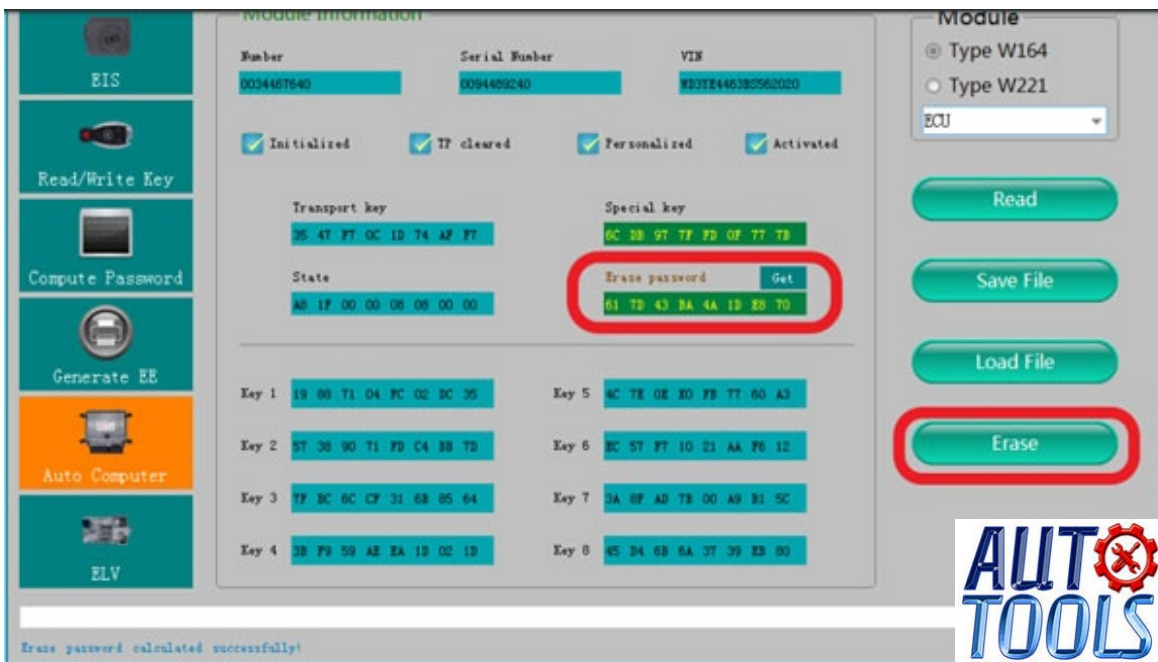
Click "read"



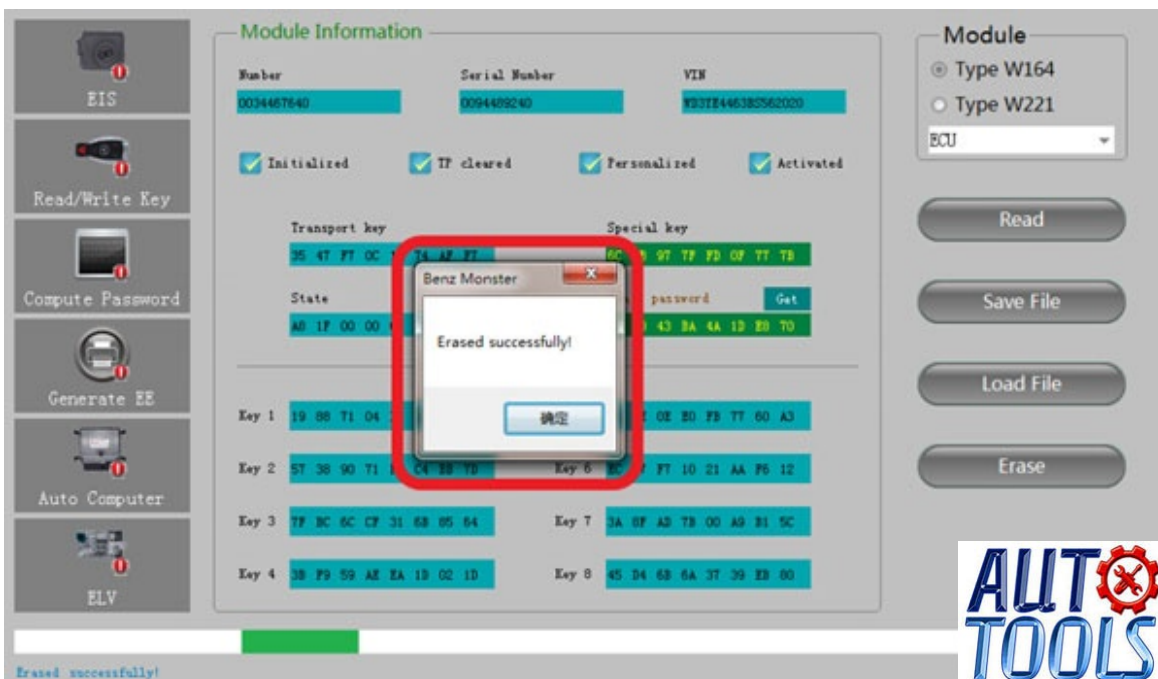
Engine computer related information



Click to get erase password, calculated successfully



Get the password successfully, click “Erase”



Erase successfully



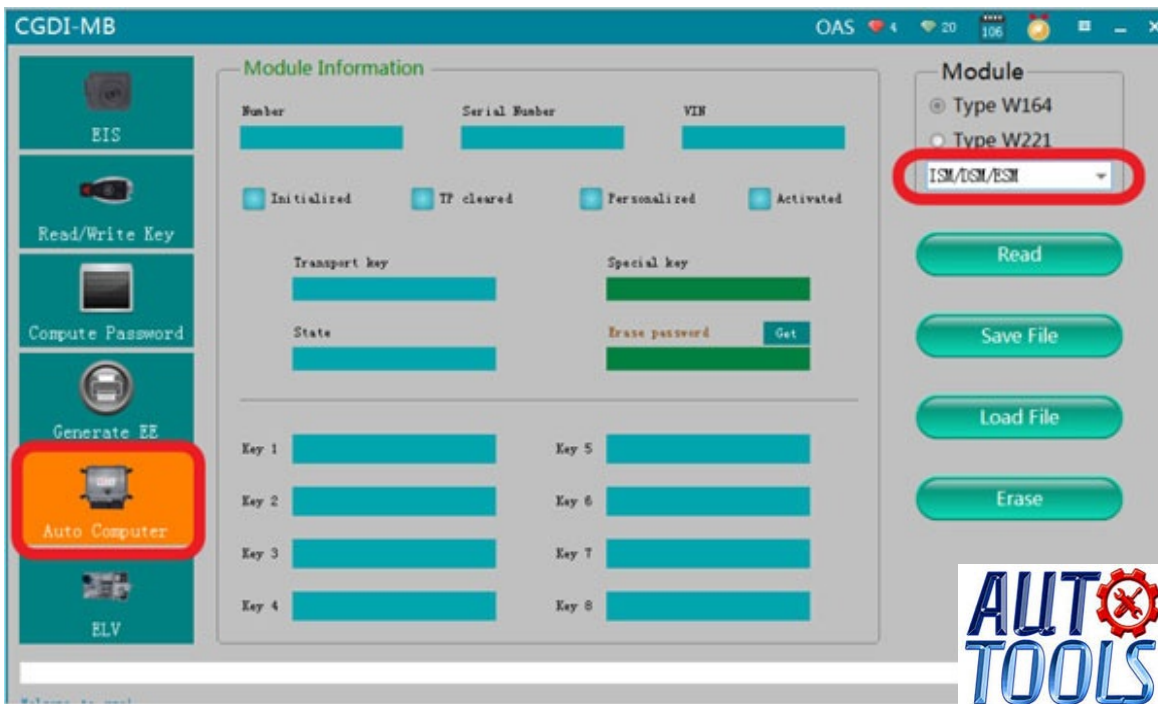
**AUTO
TOOLS**

Part 3: Reset ISM/DSM/ESM with CGDI MB

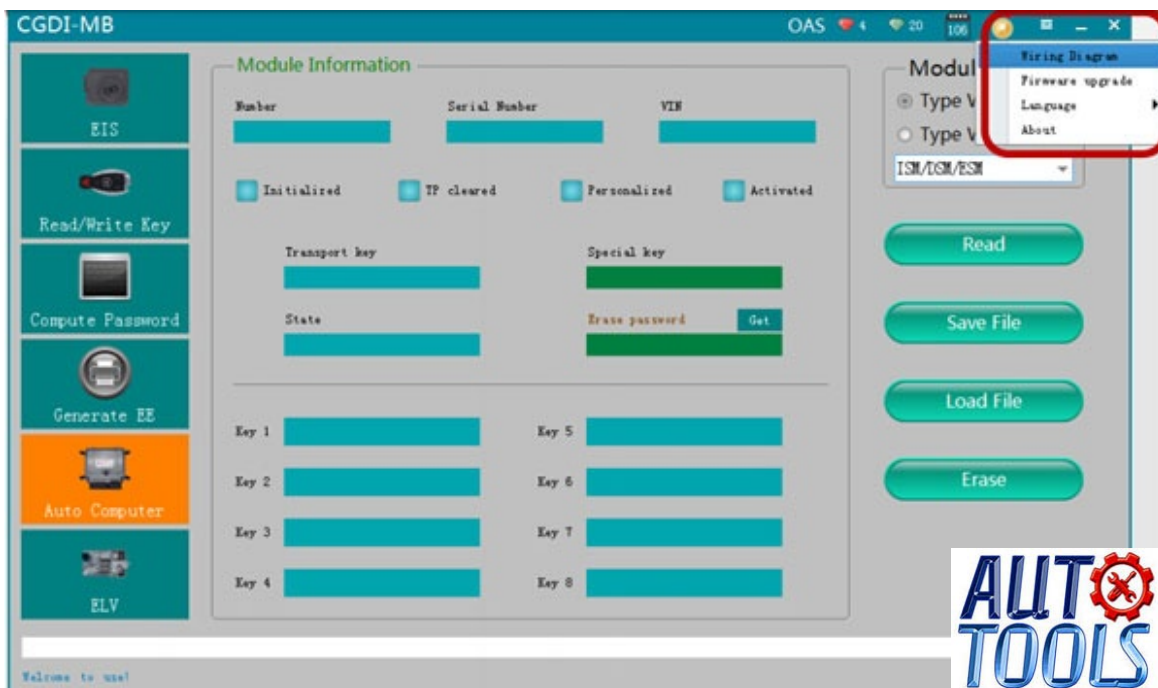
Gear computer style

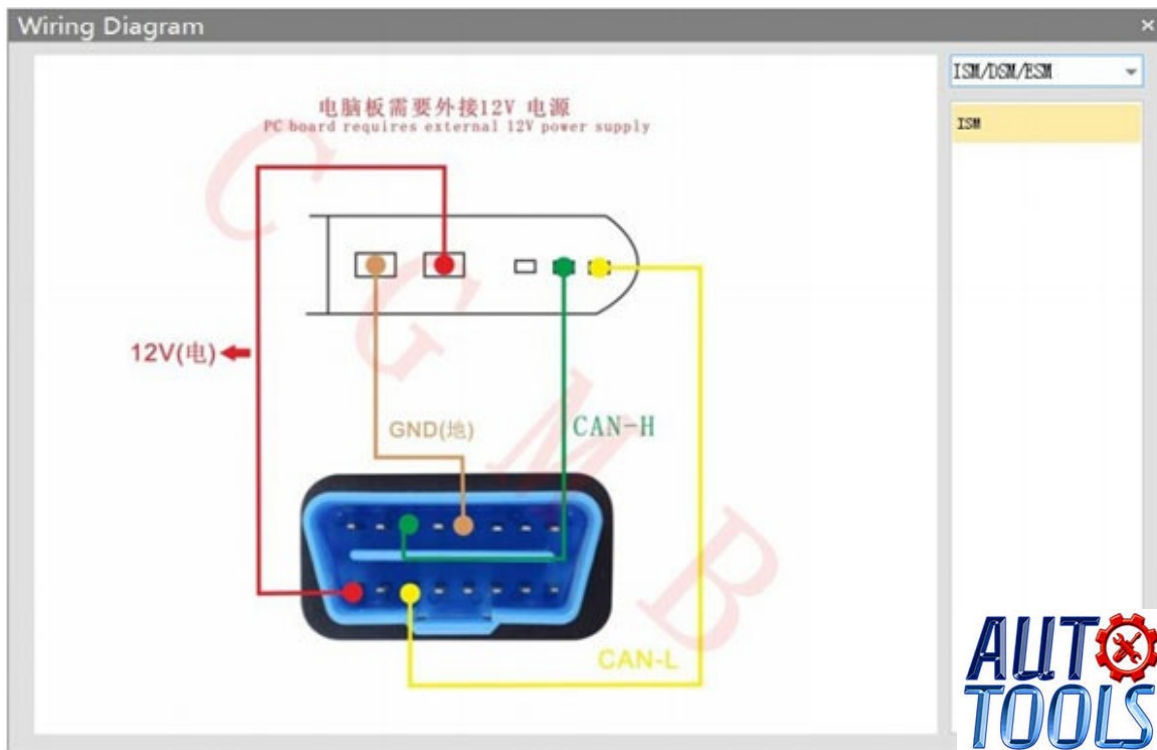


Gear computer pin

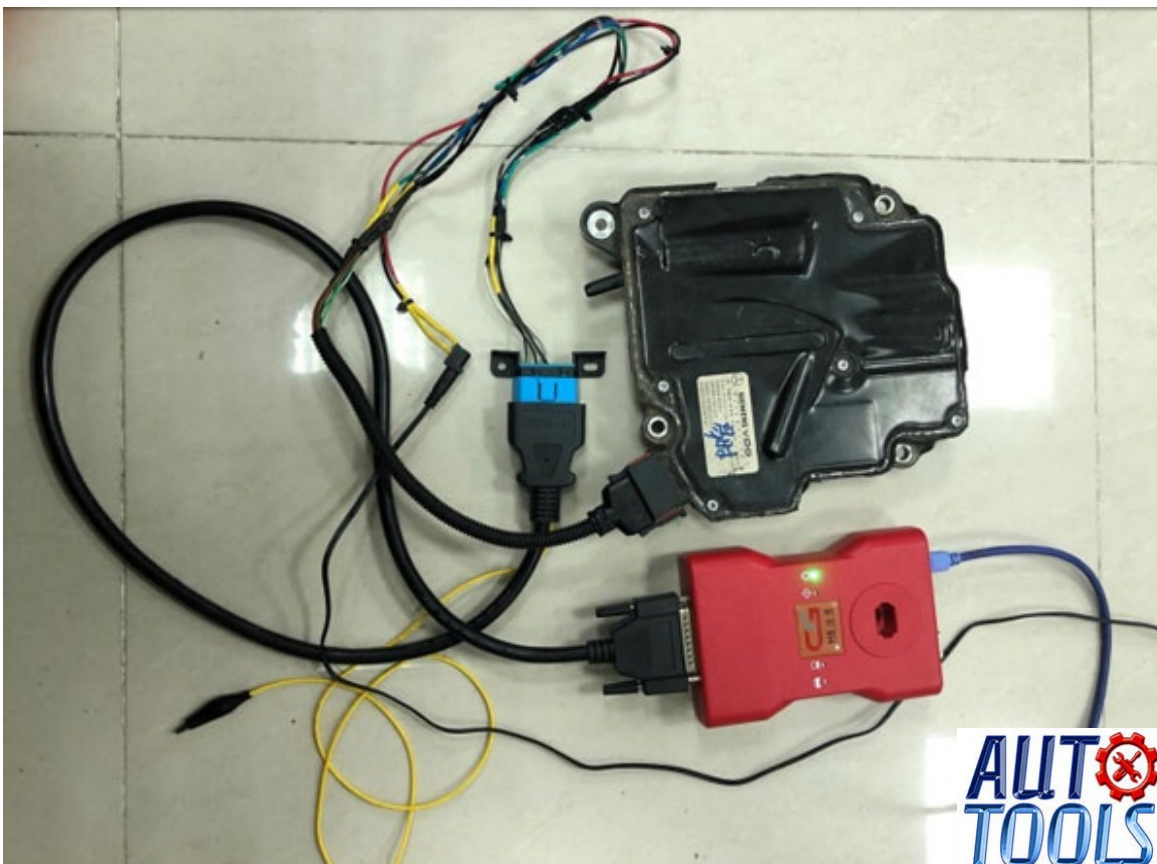


Open software, enter Auto computer, choose “Gear computer”

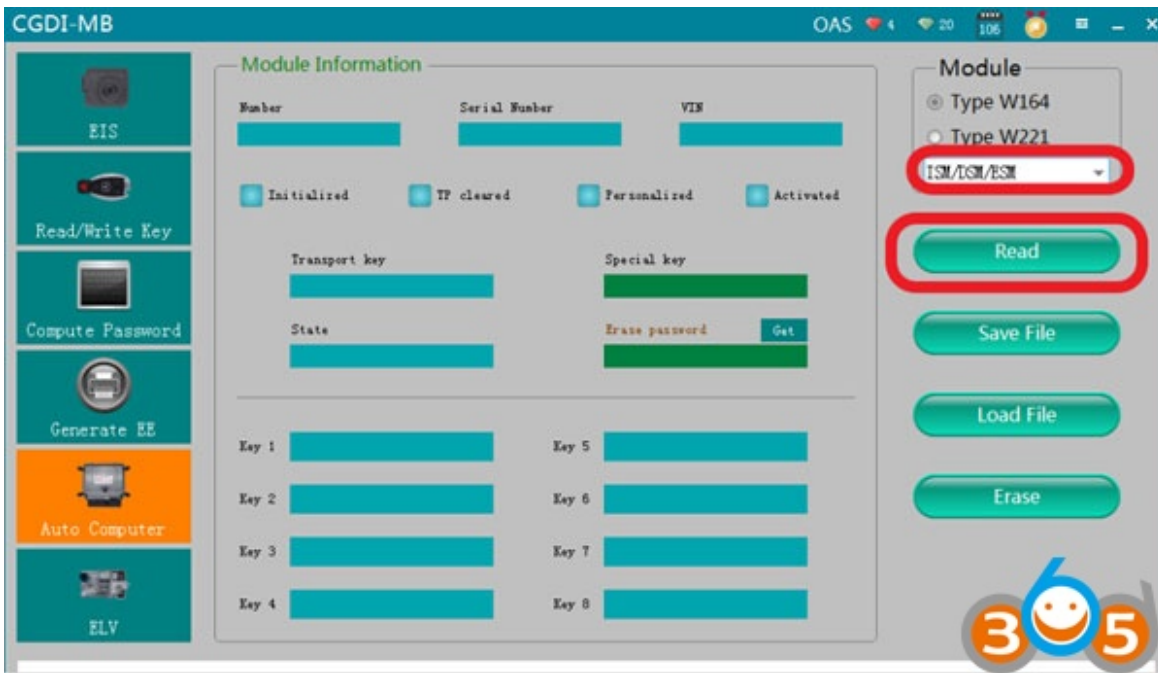




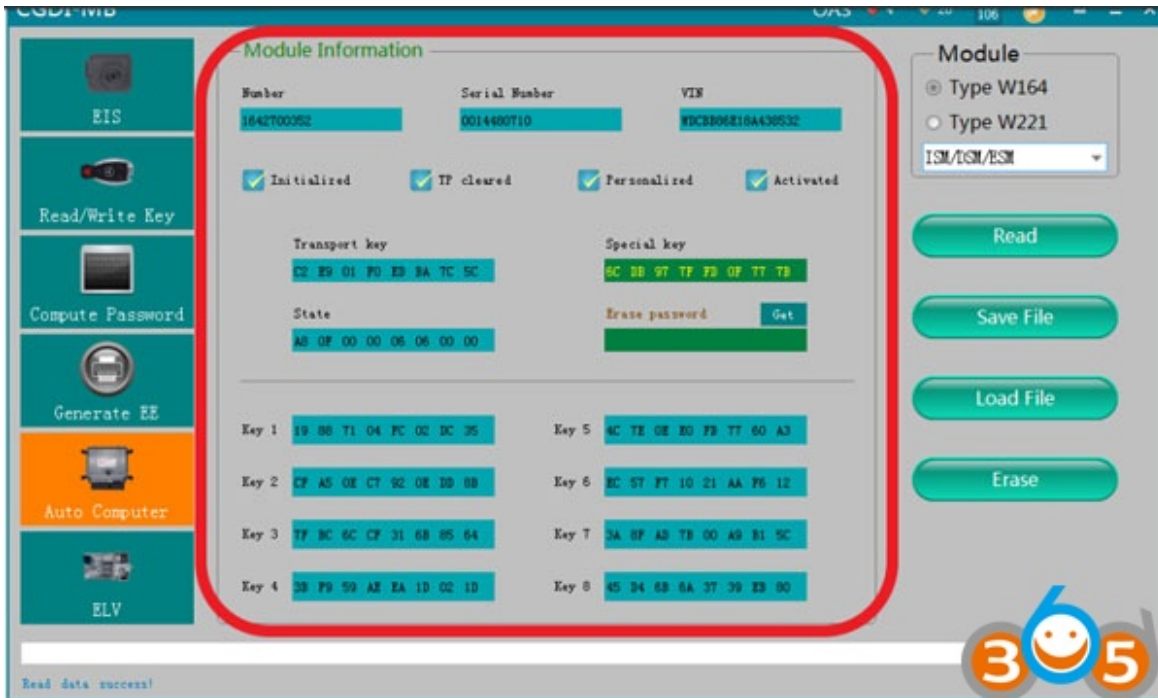
Software wiring diagram



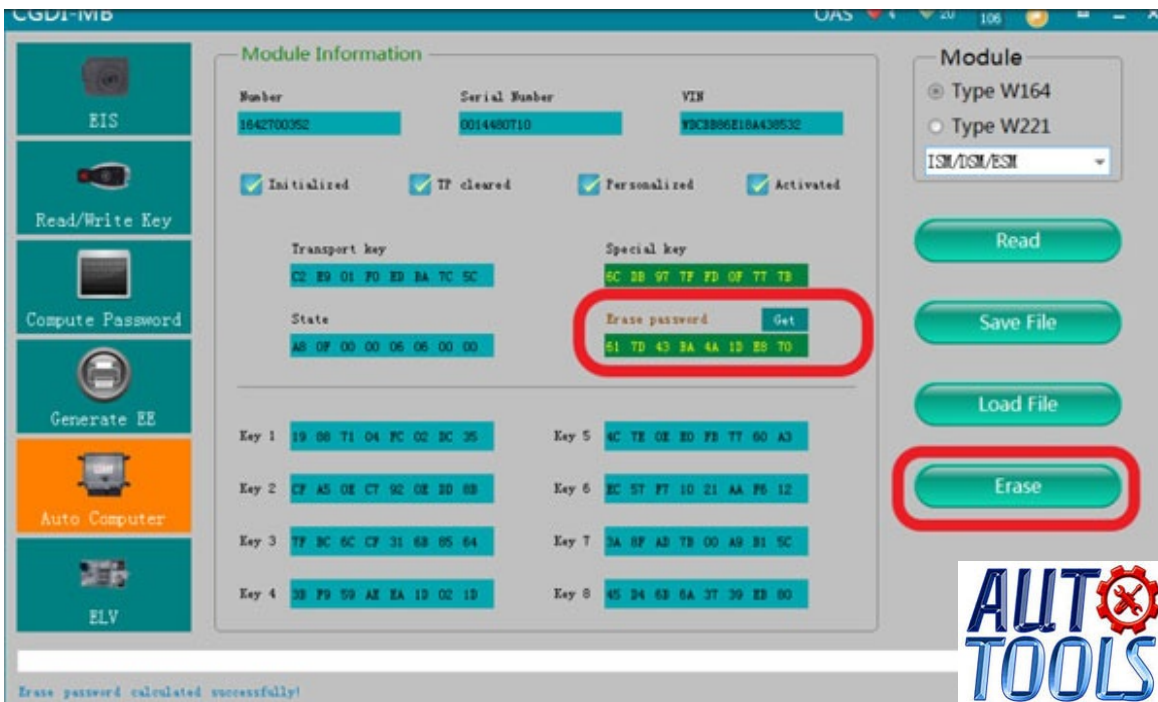
Physical wiring diagram



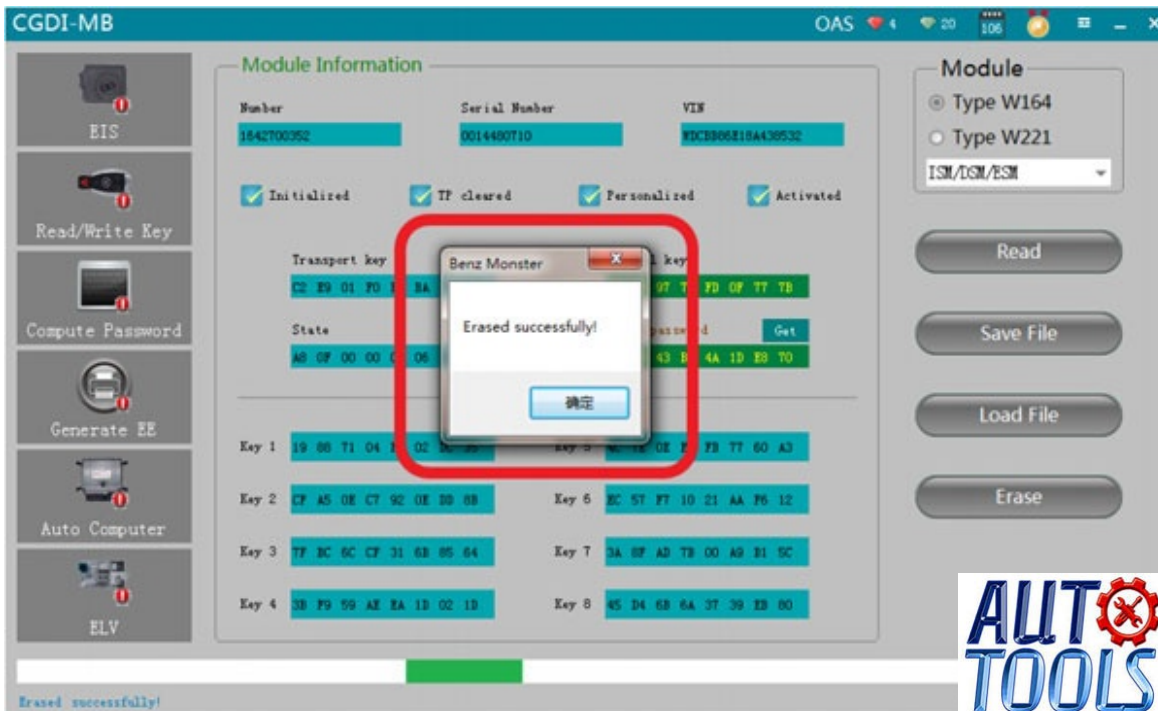
Click 'Read'



Show computer related information



Click to get erase password, will be calculated successfully



After you get the password successfully, click
 "Erase" -> Erase successfully

EIS

Read/Write Key

Compute Password

Generate EE

Auto Computer

ELV

Module Information

Number
1642700352

Serial Number
0014480710

VIN
WDCB06E18A438532

☒ Initialized

☒ IP cleared

☒ Personalized

☒ Activated

Transport key
C2 E9 01 F0 E9 BA 7C 5C

Special key
61 TD 43 BA 4A 1D E9 70

State
AB 33 2B 01 06 06 00 00

Erase password
Get

Key 1
19 88 71 04 FC 02 DC 35

Key 5
4C TE 0E E0 F9 77 60 A3

Key 2
CF A5 0E C7 9C 0E D9 88

Key 6
EC 57 F7 10 21 AA F6 12

Key 3
7F DC 6C CF 31 E8 05 64

Key 7
3A 8F AD TB 00 A9 B1 9C

Key 4
3B F6 59 AE EA 1D 02 1D

Key 8
45 D4 68 6A 37 39 E9 80

Module

Type W164

Type W221

ISM/TSM/ESM

Read

Save File

Load File

Erase

Read data success!

AUT

TOOLS

Click“Read” again, it will show it was erased