

## Operation Guide of Mazda “Programmable module installation” with X431

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Some modules need to be configured at the time of replacement. If not, they will be not functional properly.

Note: Please connect the scanner with an additional power to keep its power connected, for example, you can use the AC ADAPTER SPA-8801 SERIES for X431. Instructions, such as “Set ignition switch to ON”, “Set ignition switch to OFF” or “Install a new module in vehicle”, will be shown on the screen continuously. Make sure you follow all the instructions correctly. Do not remove modules or do not turn the ignition key on / off unless X431 instructs you to do so. If you conduct some operations that X431 does not instruct, modules may be programmed improperly or modules may be damaged in the worst case.

### Start with the old ECU mode in the car:

Please select “System Calling” (Figure 1), car’s name, VIN code and vehicle code will be displayed on X431’s screen (Figure 2).

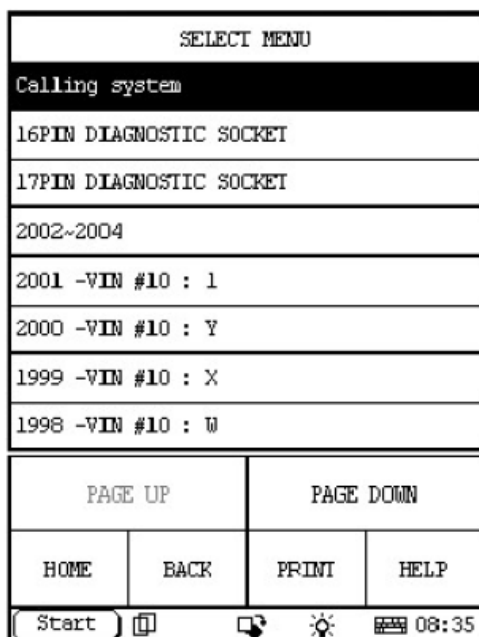


Figure 1

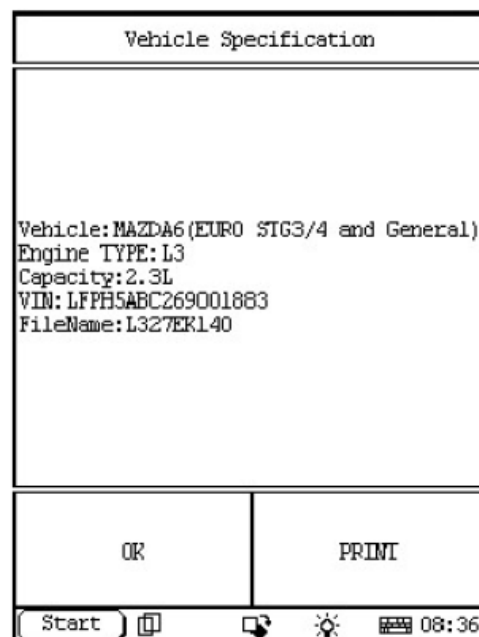


Figure 2

If there is only a system ID on the screen, please give a call to after-market service center (Figure 3).

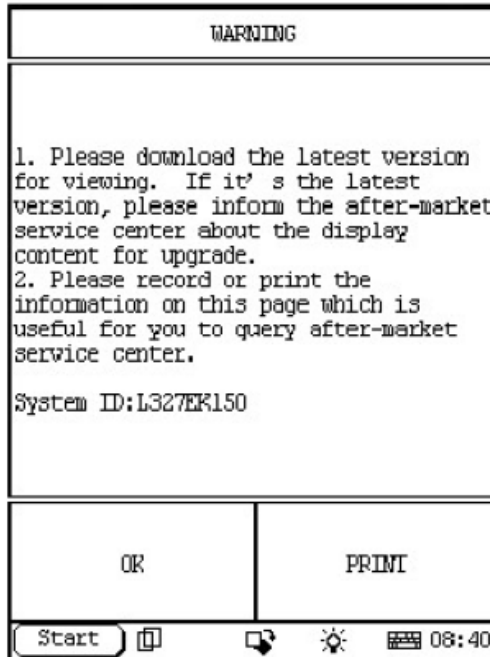


Figure 3

1: Please select "Special Function"-----"Programmable module installation"(Figure 4, Figure 5)

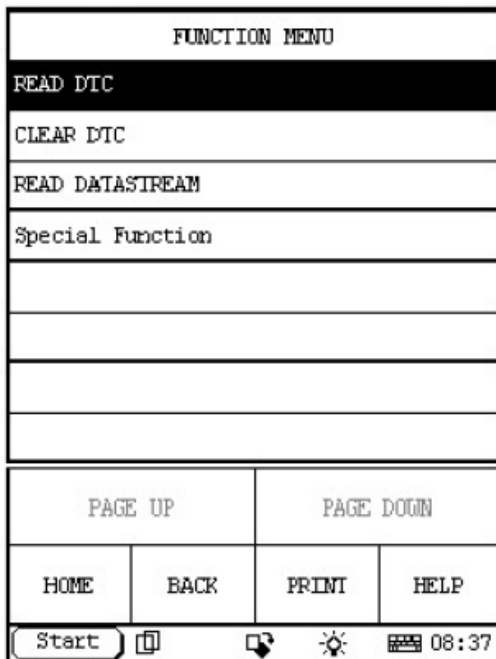


Figure 4

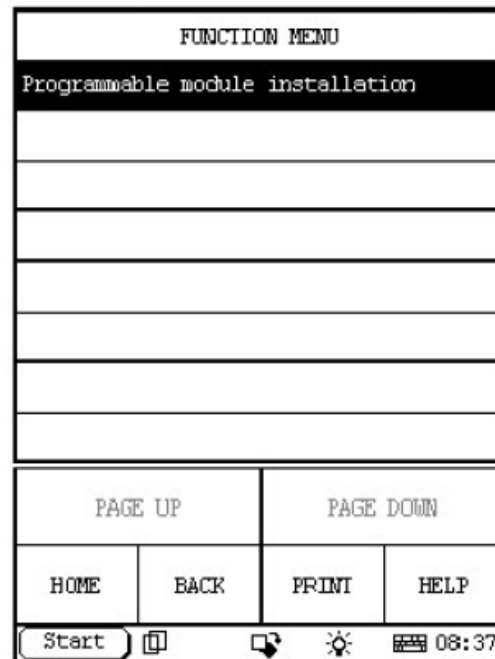


Figure 5

2: There is a message:

- Before programming a module, please clear the trouble codes of the vehicle.
  - For the security of the module programming, please connect the scanner with an additional power to keep its power connected.
  - Programming the module should be careful and confirm whether the new ECU is changed."
- (Figure 6)

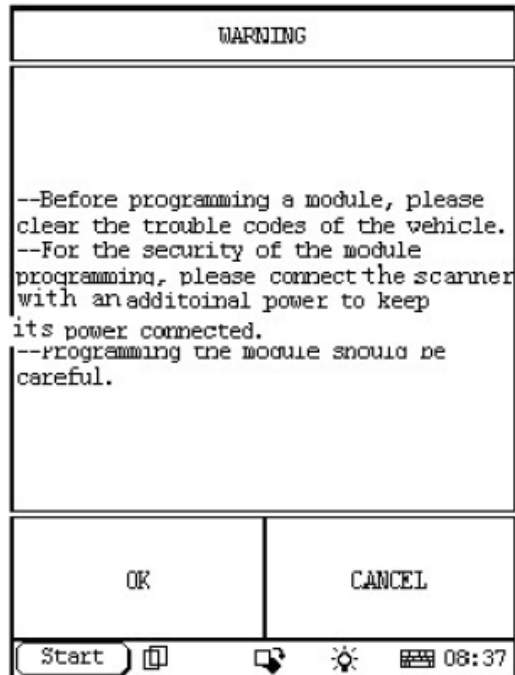


Figure 6

3: Please operate according to the message on X431'S screen which is "Set ignition switch ON(Position II)" (Figure 7)

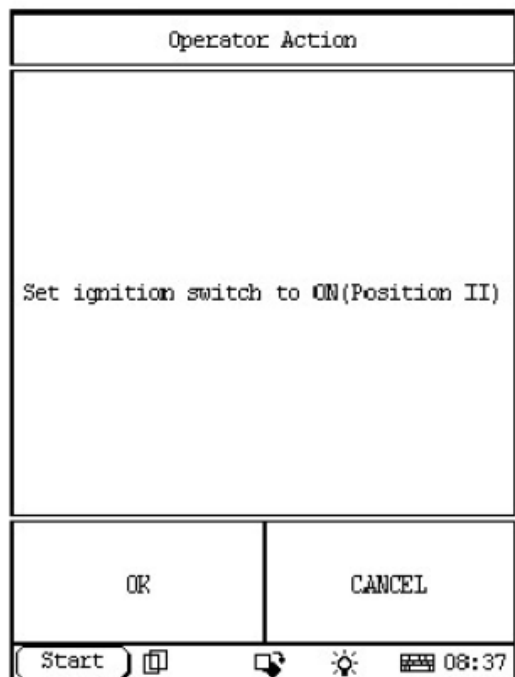


Figure 7

4: Please operate according to the message on X431'S screen which is "Set ignition switch to OFF(Position I)." (Figure 8)

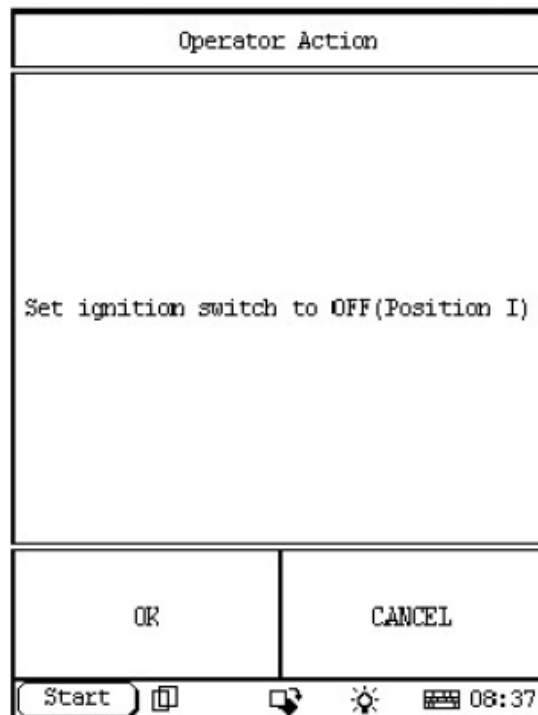


Figure 8

5: Please operate according to the message on X431'S screen which is "Install a new module in vehicle." (Figure 9)

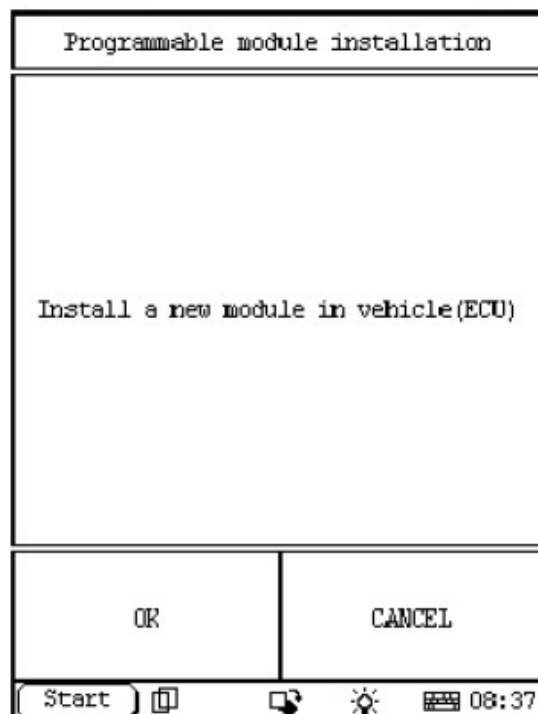


Figure 9

6: Please operate according to the message on X431'S screen which is "Set ignition switch to ON(Position II)" (Figure 7)

7: Please wait the result. (Figure 10)

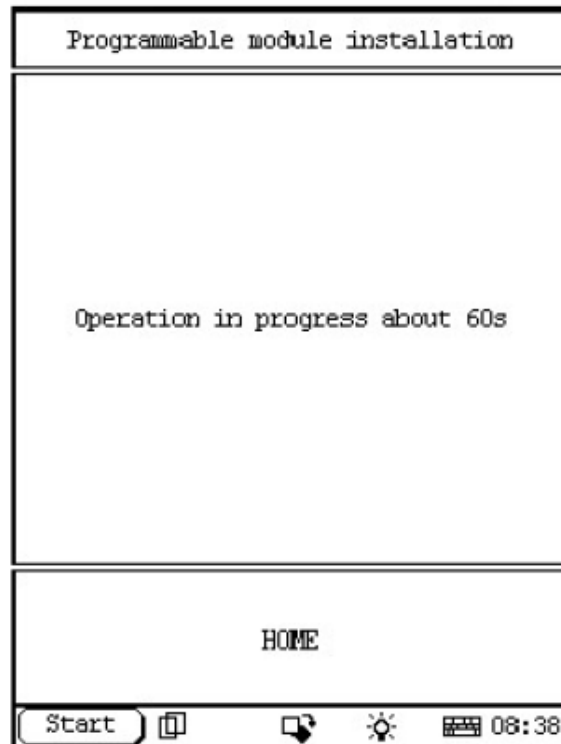


Figure 10

8: If configuration is successful, X431'S screen will display as Figure 11.

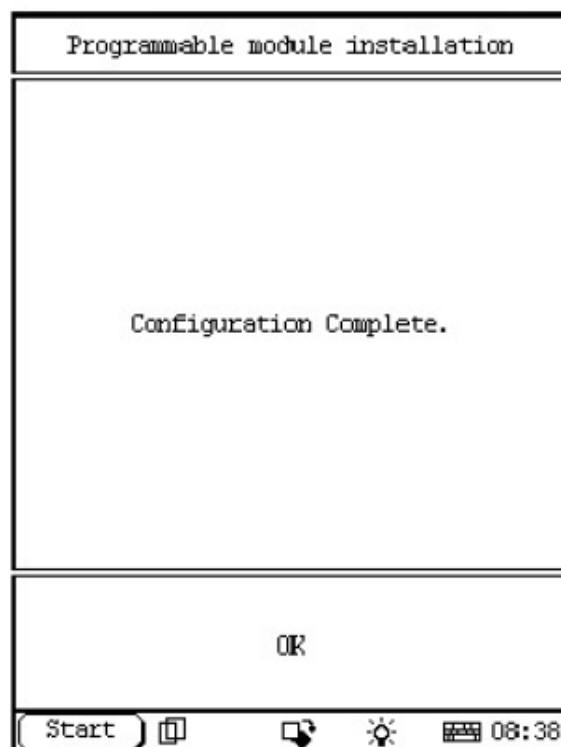


Figure 11

9: Please Set ignition switch to OFF(Position 0).