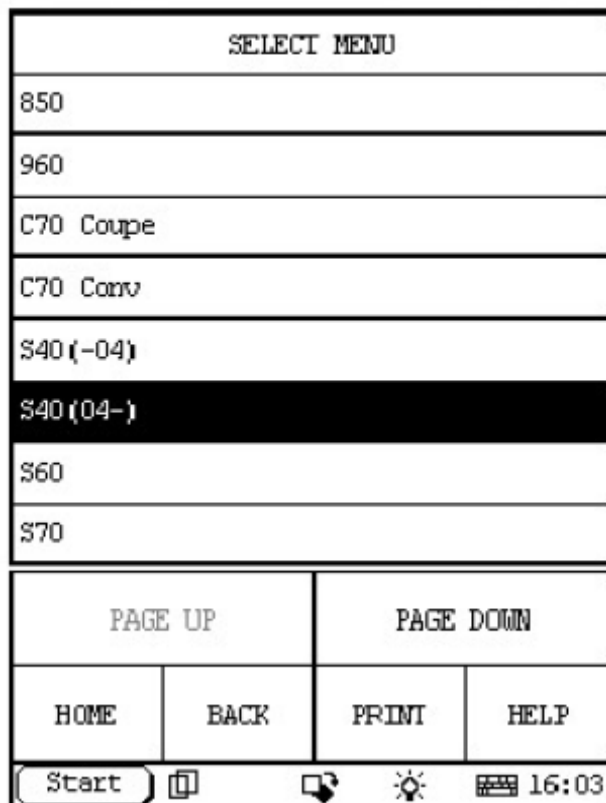Reading off and programming vehicle mode

The function is intended to program vehicle mode, there are three vehicle modes can be programmed: Normal mode, Transport mode, Factory mode.

Now we take S40(04-) 2008 31254753 AB (ECU Diagnostic Part Number) as an example to illustrate the operation:

Note: The highlight item in the figure indicates corresponding action.

1. step 1:   S40(04-)

2. step 2:　select year

SELECT MENU
VIN
2004
2005
2006
2007
2008

PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP

Start ▢ ⟲ ☼ ⌨ 16:03

3. step 3:　select CEM

SELECT MENU
General Service
ECM(Engine Control Module)
DIESEL ENG(Fuel system/Combined system)
TCM(Transmission Control Module)
ABS/BCM(Anti-brake System Module)
SRS(Supplemental Restraint System Module)
CEM(Central electrical module)

PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP

Start ▢ ⟲ ☼ ⌨ 16:03

4. step 4:
   Select: Special Function.

If you can't find the Special Function menu, it means the function has not been developed on your vehicle. Please record the VIN (Vehicle Identification Number) and Version Information (can be read by X431 with the function: Reading off control module ID) and email to Launch (x431@cnlaunch.com). We may work out a solution on how to solve the problem.

Select function
Reading off control module ID
Reading off Diagnostic Trouble Codes
Erasing Diagnostic Trouble Codes
Parameter display
Activating components/functions
Special Function

PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP

Start 🗐   🖳   ☀   ⌨ 16:05

5. step 5:
   Select: Reading off and programming vehicle mode

```
┌─────────────────────────────────────┐
│   Please select special function item │
├─────────────────────────────────────┤
│ Calibration of position sensor, GDL  │
│ lamps                                │
├─────────────────────────────────────┤
│ Programming of rear window wiper when │
│ reversing                            │
├─────────────────────────────────────┤
│ Resetting low voltage counters       │
├─────────────────────────────────────┤
│ Reading off and programming vehicle  │
│ mode                                 │
├─────────────────────────────────────┤
│ Resetting crash mode                 │
├─────────────────────────────────────┤
│                                      │
├─────────────────────────────────────┤
│                                      │
├─────────────────┬───────────────────┤
│    PAGE UP       │    PAGE DOWN      │
├────────┬────────┼─────────┬─────────┤
│  HOME  │  BACK  │  PRINT  │  HELP   │
├────────┴────────┴─────────┴─────────┤
│ Start │ ⬜      ⬛  ☀   ⌨ 10:37     │
└─────────────────────────────────────┘
```

6. step 6:

The information of Reading off and programming vehicle mode:

Ignition on.

Caution! When transferring from transport mode to factory mode the radio must be switched off and the light switch in 0 position.

The following vehicle modes can be programmed:

Normal mode:

Normal mode means that the electrical system in the car is fully functional. When used normally the car must be in normal mode.

Transport mode:

Transport mode means that the electrical system in the car has limit functionality. The purpose of this is to minimize power consumption when the car is not going to be used for an extended period. It is possible to drive the car for a short distance.

Factory mode:

Factory mode means that the electrical system in the car has limited functionality. The purpose is to minimize power consumption and to satisfy factory regulations. It is possible to drive the car for a short distance.

```
┌─────────────────────────────────────┐
│           Note information           │
├─────────────────────────────────────┤
│ Ignition on.                         │
│ Caution! When transferring from      │
│ transport mode to factory mode the   │
│ radio must be switched off and the   │
│ light switch in 0 position.          │
│                                      │
│ The following vehicle modes can be   │
│ programmed:                          │
│ Normal mode:                         │
│   Normal mode means that the electrical │
│ system in the car is fully functional. │
│ When used normally the car must be in │
│ normal mode.                         │
│ Transport mode:                      │
│   Transport mode means that the      │
│ electrcal system in the car has limit │
│ functionality. The purpose of this is │
├────────┬─────────┬──────────┬────────┤
│        │         │          │        │
│   OK   │ PAGE UP │PAGE DOWN │ CANCEL │
│        │         │          │        │
├────────┴─────────┴──────────┴────────┤
│ ( Start ) ⬚       ⮌    ☼   ▦ 10:38 │
└─────────────────────────────────────┘
```
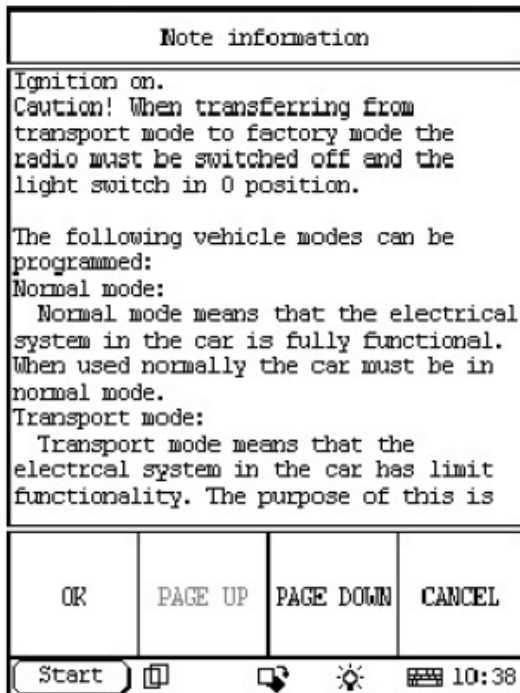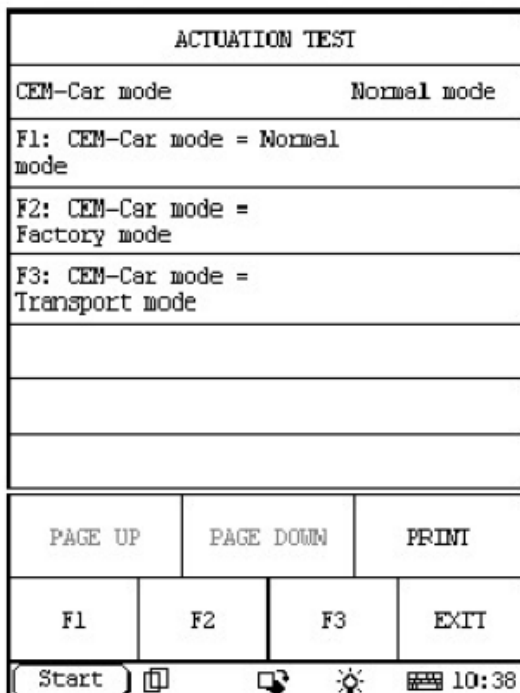
7. step 7:

Select Ok then it will send command to ECU, and display information like this:

```
┌─────────────────────────────────────┐
│            ACTUATION TEST            │
├─────────────────────────────────────┤
│ CEM-Car mode            Normal mode  │
├─────────────────────────────────────┤
│ F1: CEM-Car mode = Normal            │
│ mode                                 │
├─────────────────────────────────────┤
│ F2: CEM-Car mode =                   │
│ Factory mode                         │
├─────────────────────────────────────┤
│ F3: CEM-Car mode =                   │
│ Transport mode                       │
├─────────────────────────────────────┤
│                                      │
├─────────────────────────────────────┤
│                                      │
├─────────────────────────────────────┤
│                                      │
├──────────┬───────────┬───────────────┤
│          │           │               │
│ PAGE UP  │ PAGE DOWN │     PRINT      │
│          │           │               │
├──────────┼───────────┼───────┬───────┤
│          │           │       │       │
│   F1     │    F2     │  F3   │ EXIT  │
│          │           │       │       │
├──────────┴───────────┴───────┴───────┤
│ ( Start ) ⬚       ⮌    ☼   ▦ 10:38 │
└─────────────────────────────────────┘
```

The first line, CEM-Car mode Normal mode, is the present programmed value for your vehicle, if you want to change this value, you can select the desired value in the list:
F1: CEM-Car mode = Normal mode
F2: CEM-Car mode = Factory mode
F3: CEM-Car mode = Transport mode
For example: if you want to change this value to Transport mode, please select F3 and it will start programming. When programming finish, the Programmed Value will change to Transport mode as the following figure, it means that the programming succeed.

```
                    ACTUATION TEST
┌──────────────────────────────────────────┐
│ CEM-Car mode              Transport       │
│                           mode            │
├──────────────────────────────────────────┤
│ F1: CEM-Car mode = Normal                 │
│ mode                                      │
├──────────────────────────────────────────┤
│ F2: CEM-Car mode =                        │
│ Factory mode                              │
├──────────────────────────────────────────┤
│ F3: CEM-Car mode =                        │
│ Transport mode                            │
├──────────────────────────────────────────┤
│                                           │
├──────────────────────────────────────────┤
│                                           │
├──────────────────────────────────────────┤
│                                           │
├──────────────────────────────────────────┤
│  PAGE UP   │  PAGE DOWN  │    PRINT        │
├────────────┼──────┬──────┼──────┬─────────┤
│    F1      │  F2  │      F3     │   EXIT   │
├────────────┴──────┴─────────────┴─────────┤
│ Start  🗍          🗨     ☼    ⌨ 10:44     │
└──────────────────────────────────────────┘
```

8. step 8:

When you want to exit this programming, please select EXIT:

```
                    ACTUATION TEST
┌──────────────────────────────────────────┐
│ CEM-Car mode              Transport       │
│                           mode            │
├──────────────────────────────────────────┤
│ F1: CEM-Car mode = Normal                 │
│ mode                                      │
├──────────────────────────────────────────┤
│ F2: CEM-Car mode =                        │
│ Factory mode                              │
├──────────────────────────────────────────┤
│ F3: CEM-Car mode =                        │
│ Transport mode                            │
├──────────────────────────────────────────┤
│                                           │
├──────────────────────────────────────────┤
│                                           │
├──────────────────────────────────────────┤
│                                           │
├──────────────────────────────────────────┤
│  PAGE UP   │  PAGE DOWN  │    PRINT        │
├────────────┼──────┬──────┼──────┬─────────┤
│    F1      │  F2  │      F3     │ ██EXIT██ │
├────────────┴──────┴─────────────┴─────────┤
│ Start  🗍          🗨     ☼    ⌨ 10:44     │
└──────────────────────────────────────────┘
```