

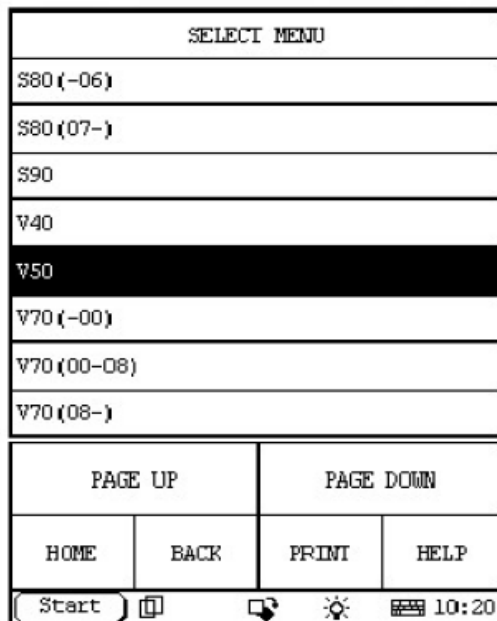
## Programming the optimizing parameters(Injector calss)

This function is intended to change the optimizing parameter in the engine control module (ECM).

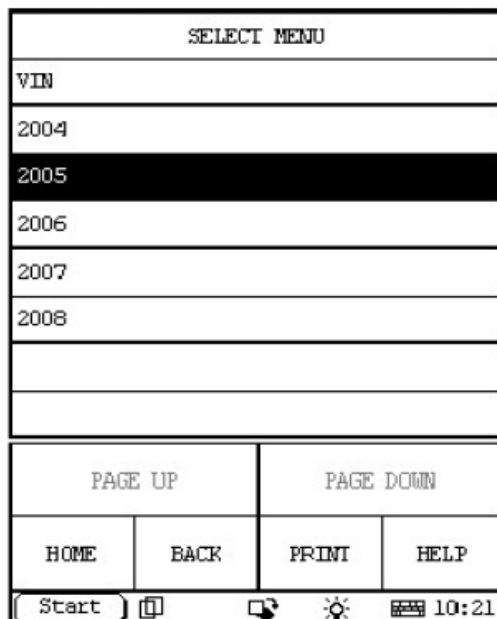
Now we take V50 2005 30743651 AA (ECU Diagnostic Part Number) as an example to illustrate the operation:

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




1. step 1: V50



2. step 2: select year






3. step 3: select DIESEL ENG

SELECT MENU			
General Service			
ECM(Engine Control Module)			
<b>DIESEL ENG(Fuel system/Combined system)</b>			
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			 10:21

4. step 4:

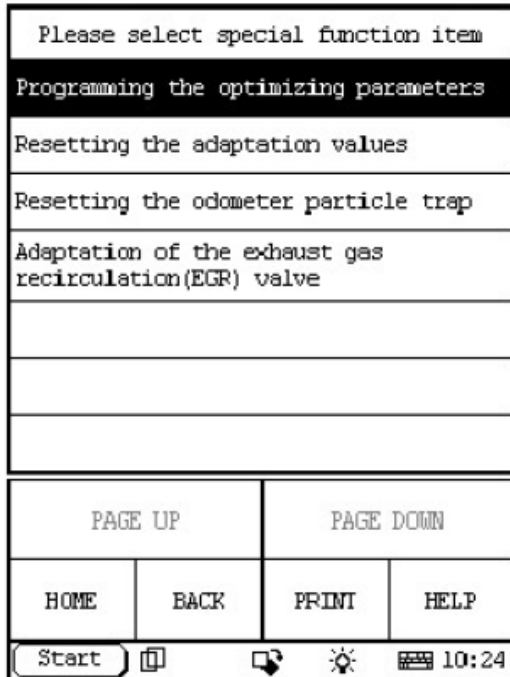
Select: Special Function.

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 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			
<b>Special Function</b>			
PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP
Start			 10:22

5. step 5:

Select: Programming the optimizing parameters



## 6. step 6:

The information of Programming the optimizing parameters:

Caution! There are 3 classes of injector. All cylinders must have the same class of injector.

The optimizing parameter in the engine control module (ECM) must be set to the corresponding class.

This function is intended to change the optimizing parameter in the engine control module (ECM).

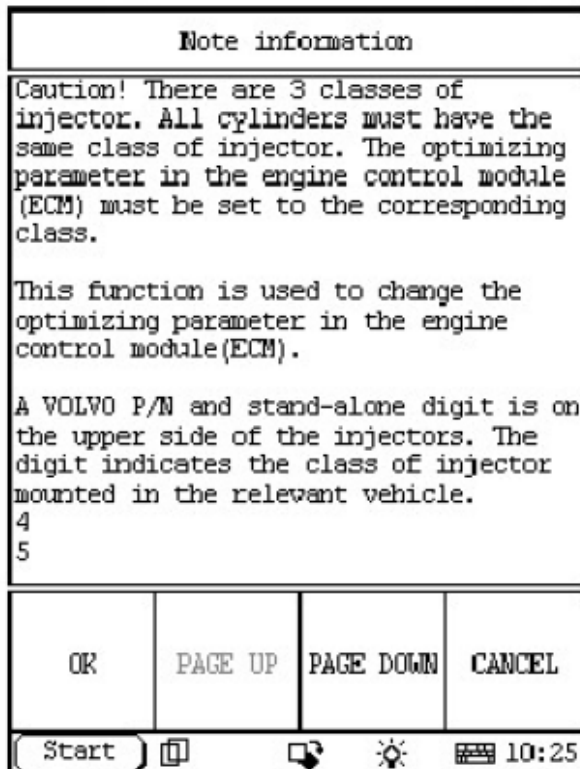
A VOLVO P/N and stand-alone digit is on the upper side of the injectors. The digit indicates the class of injector mounted in the relevant vehicle.

4

5

6

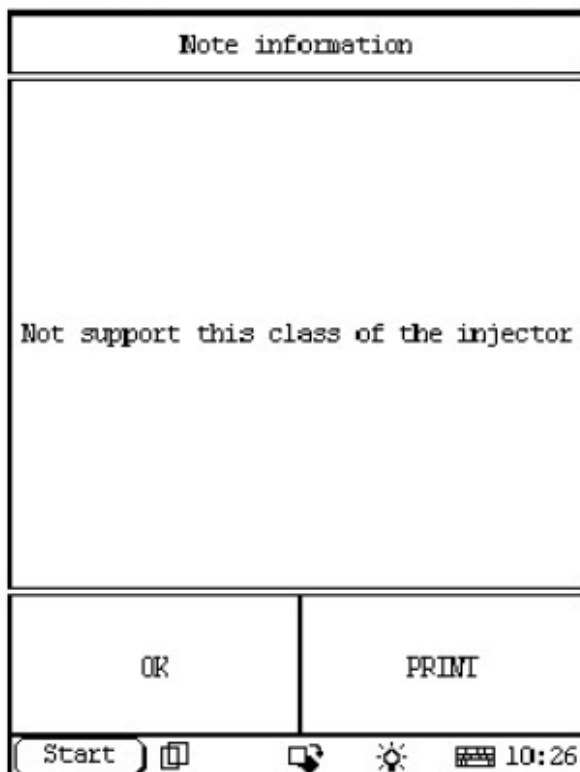
- 1.Remove the cover from the engine. Check the class of injector in the car.
- 2.Ignition on
- 3.Click on OK
- 4.Select the correct class parameter and program this value.



## 7. step 7:

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

Note! If not support information displayed, it will exit this function.



If support, display information like this:

ACTUATION TEST			
Current class		CLASS 4	
PAGE UP		PAGE DOWN	PRINT
CLASS 4	CLASS 5	CLASS 6	EXIT
Start	☐	☐	☐ 10:27

Current class CLASS 4 is the present programmed value for your vehicle, if you want to change this value, you can click CLASS 4, CLASS 5, or CLASS 6 bottom on the screen lower.

For example: If you want to change this value to CLASS 5, please click CLASS 5 and it will start programming. When programming finish, the Current class will change to CLASS 5 as the following figure, it means that the programming succeed.

ACTUATION TEST			
Current class		CLASS 5	
PAGE UP		PAGE DOWN	PRINT
CLASS 4	CLASS 5	CLASS 6	EXIT
Start	☐	☐	☐ 10:32

8. step 8:

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

