

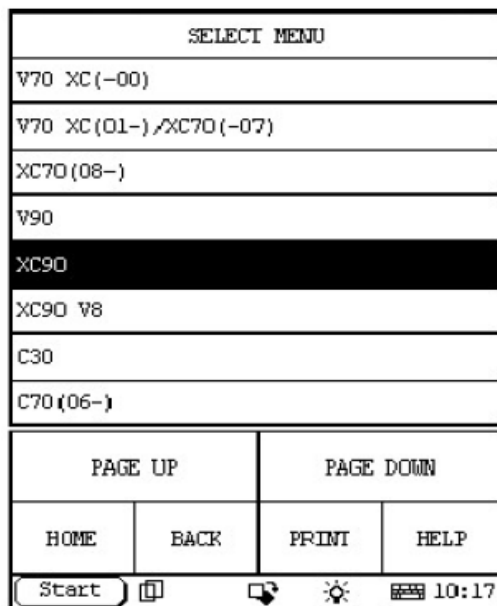
## Programming control module ----- Tailgate wiper (5 door models)

The tailgate wiper (for 5 door models) activation mode can be programmed according to the wishes of the customer.

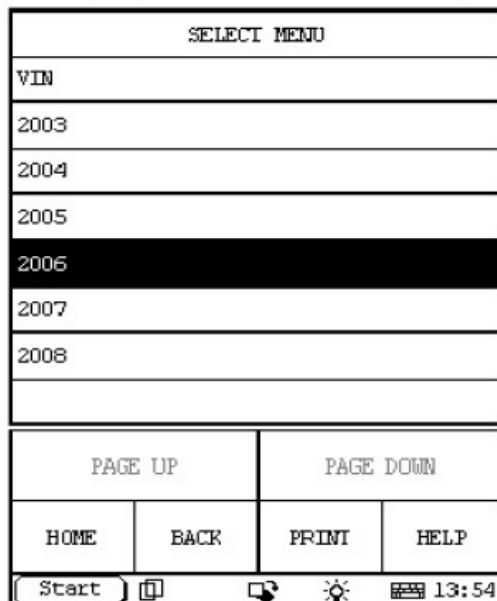
Now we take XC90 2006 30728579 AA (ECU Diagnostic Part Number) as an example to illustrate the operation:

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




### 1. step 1: XC90



### 2. step 2: select year






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)			
<b>CEM(Central electrical module)</b>			
PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP
Start			 10:18

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			
<b>Special Function</b>			
PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP
Start			 10:19

5. step 5:

Select: Programming control module

Please select special function item			
Programming control module			
Resetting the factory settings			
Resetting low voltage counters			
Resetting crash mode			
PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP
Start			 10:19




6. step 6:

The information of Programming control module:

The follows can be programmed into the central electronic module (CEM) to meet statutory requirements and fulfill customer wishes.

Programming:

1. Home safe light
2. Daytime running lamps
3. Tailgate wiper (5 door models)
4. Warning for low beam position (Bi-Xenon).

Note information	
<p>The follow can be programmed into the central electronic module (CEM) to meet statutory requirements and fulfill customer wishes.</p> <p>Programming:</p> <ol style="list-style-type: none"> <li>1. Home safe light</li> <li>2. Daytime running lamps</li> <li>3. Tailgate wiper (5 door models)</li> <li>4. Warning for low beam position (Bi-Xenon)</li> </ol>	
OK	CANCEL
Start	
	 10:20

## 7. step 7:

Select OK, then it will display four Item function:

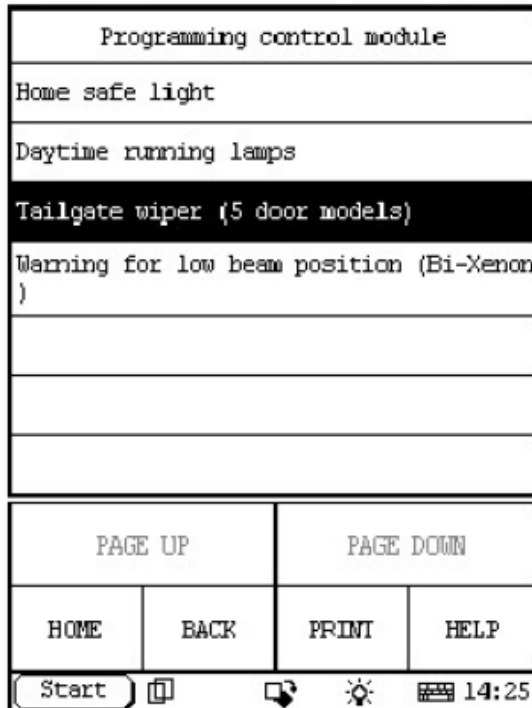
Home safe light

Daytime running lamps

Tailgate wiper (5 door models)

Warning for low beam position (Bi-Xenon)

Now please select Tailgate wiper (5 door models)



## 8. step 8:

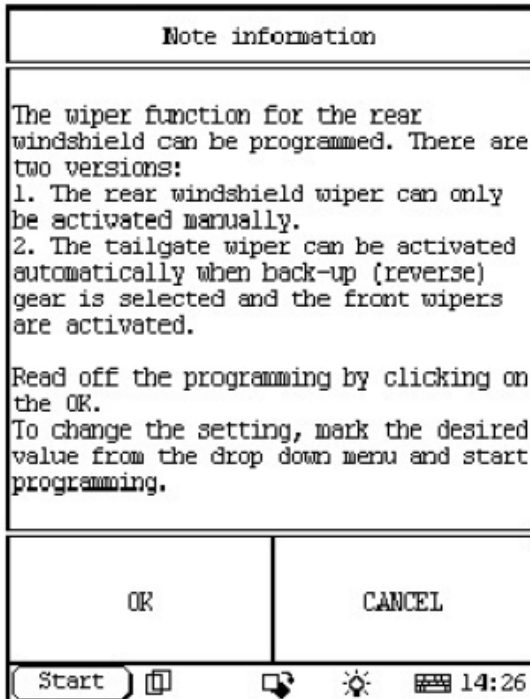
The information of Tailgate wiper (5 door models):

The wiper function for the rear windshield can be programmed. There are two versions:

1. The rear windshield wiper can only be activated manually.
2. The tailgate wiper can be activated automatically when back-up (reverse) gear is selected and the front wipers are activated.

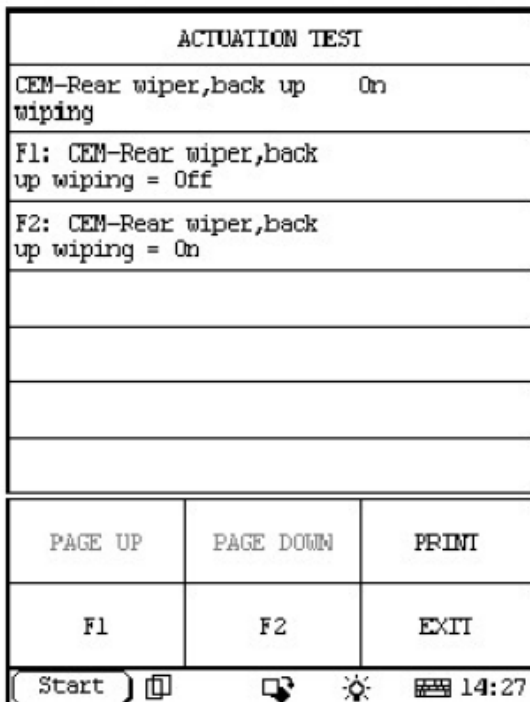
Read off the programming by clicking on the OK.

To change the setting, please view the instructions on the screen and touch corresponding key, and start programming.



9. step 9:

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



The first line, CEM-Rear wiper, back up wiping On, 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-Rear wiper, back up wiping = Off

F2: CEM-Rear wiper, back up wiping = On

For example: if you want to change this value to Off, please select F1 and it will start programming. When programming finish, the Programmed Value will change to Off as the following figure, it means that the programming succeed.

ACTUATION TEST		
CEM-Rear wiper,back up Off wiping		
F1: CEM-Rear wiper,back up wiping = Off		
F2: CEM-Rear wiper,back up wiping = On		
PAGE UP	PAGE DOWN	PRINT
F1	F2	EXIT
Start		14:28

10. step 10:

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

ACTUATION TEST		
CEM-Rear wiper,back up Off wiping		
F1: CEM-Rear wiper,back up wiping = Off		
F2: CEM-Rear wiper,back up wiping = On		
PAGE UP	PAGE DOWN	PRINT
F1	F2	<b>EXIT</b>
Start		14:30