Programming control module
----- Home safe light

The home safe lights can be programmed to stay on for a longer or shorter time 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

SELECT MENU
V70 XC(-00)
V70 XC(01-)/XC70(-07)
XC70(08-)
V90
XC90
XC90 V8
C30
C70(06-)

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2. **step 2:** select year

SELECT MENU
VIN
2003
2004
2005
2006
2007

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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)

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```

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




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```

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



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```

6. **step 6:**

The information of Programming control module:

The follow 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


 The follow 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)




          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 Home safe light

```
           Programming control module
┌─────────────────────────────────────────┐
│ Home safe light                          │
├─────────────────────────────────────────┤
│ Daytime running lamps                    │
├─────────────────────────────────────────┤
│ Tailgate wiper (5 door models)           │
├─────────────────────────────────────────┤
│ Warning for low beam position (Bi-Xenon  │
│ )                                        │
├─────────────────────────────────────────┤
│                                          │
├─────────────────────────────────────────┤
│                                          │
├─────────────────────────────────────────┤
│                                          │
├─────────────────────┬───────────────────┤
│     PAGE UP         │    PAGE DOWN       │
├──────────┬──────────┼─────────┬─────────┤
│  HOME    │  BACK    │  PRINT  │  HELP   │
├──────────┴──────────┴─────────┴─────────┤
│ ( Start )  □    ⊑⏵   ☼    ▦ 10:20       │
└─────────────────────────────────────────┘
```

8. **step 8:**

   The information of Home safe light:

   The home safe lights can be programmed to stay on for a longer or shorter time according to the wishes of the customer.

   The factory setting is 30 seconds. The time can be set to 30, 60 or 90 seconds.

   Read off the programming by click on the OK.

   To change the time setting, please touch corresponding key and start programming.

```
┌─────────────────────────────────────┐
│          Note information           │
├─────────────────────────────────────┤
│ The home safe lights can be programmed │
│ to stay on for a longer or shorter time │
│ according to the wishes of the customer │
│ .                                      │
│                                        │
│ The factory setting is 30 seconds. The │
│ time can be set to 30, 60 or 90 seconds │
│ .                                      │
│                                        │
│ Read off the programming by click on   │
│ the OK.                                │
│                                        │
│ To change the time setting, mark the   │
│ desired value from the drop down menu  │
│ and start programming.                 │
├────────────────────┬────────────────┤
│         OK         │     CANCEL      │
├────────────────────┴────────────────┤
│ [ Start ] ▯    ▢⤵   ☼   ▦ 10:20     │
└─────────────────────────────────────┘
```

9. **step 9:**

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

```
┌─────────────────────────────────────┐
│           ACTUATION TEST            │
├─────────────────────────────────────┤
│ CEM-Home safe light        30 sec   │
├─────────────────────────────────────┤
│ F1: CEM-Home safe light =           │
│  30 sec                             │
├─────────────────────────────────────┤
│ F2: CEM-Home safe light =           │
│  60 sec                             │
├─────────────────────────────────────┤
│ F3: CEM-Home safe light =           │
│  90 sec                             │
├─────────────────────────────────────┤
│                                     │
├─────────────────────────────────────┤
│                                     │
├─────────────────────────────────────┤
│                                     │
├───────────┬────────────┬───────────┤
│  PAGE UP  │ PAGE DOWN  │   PRINT   │
├──────┬────┴───┬────────┼───────────┤
│  F1  │   F2   │   F3   │   EXIT    │
├──────┴────────┴────────┴───────────┤
│ [ Start ] ▯    ▢⤵   ☼   ▦ 10:21   │
└─────────────────────────────────────┘
```

   The first line, CEM-Home safe light 30 sec, 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-Home safe light = 30 sec

   F2: CEM-Home safe light = 60 sec

   F3: CEM-Home safe light = 90 sec

   Example: you want to change this value to 60 sec, please select F2 and it will start programming. When programming finish, the Programmed Value will change to 60 sec as following figure, it means that the programming succeed.

```
              ACTUATION TEST

CEM-Home safe light        60 sec

F1: CEM-Home safe light =
 30 sec

F2: CEM-Home safe light =
 60 sec

F3: CEM-Home safe light =
 90 sec




  PAGE UP      PAGE DOWN       PRINT

    F1        F2       F3      EXIT

  Start  ▯        ▯    ☼    ▦ 10:34
```

10. step 10:

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

```
              ACTUATION TEST

CEM-Home safe light        60 sec

F1: CEM-Home safe light =
 30 sec

F2: CEM-Home safe light =
 60 sec

F3: CEM-Home safe light =
 90 sec




  PAGE UP      PAGE DOWN       PRINT

    F1        F2       F3      EXIT

  Start  ▯        ▯    ☼    ▦ 10:35
```