Calibration of position sensor

This function is intended to calibrate gear-position sensor.

Now we take XC90 2007 30759315 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-)

PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP

Start 　□　　⏻　☀　🔋 16:40

2. step 2: select year

SELECT MENU
VIN
2003
2004
2005
2006
2007

PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP

Start 　□　　⏻　☀　🔋 16:40

3. step 3:   select TCM

```
            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   □      ⊑⏷   ☼   ▦ 16:41
```

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   □      ⊑⏷   ☼   ▦ 16:41
```

5. step 5:
      Select Calibration of position sensor

```
┌─────────────────────────────────┐
│   Please select special function item │
├─────────────────────────────────┤
│ Resetting the adaptation        │
├─────────────────────────────────┤
│ Resetting the counter for Transmission │
│ oil, change                     │
├─────────────────────────────────┤
│ Calibration of position sensor  │  ◄ (highlighted)
├─────────────────────────────────┤
│                                 │
├─────────────────────────────────┤
│                                 │
├─────────────────────────────────┤
│                                 │
├─────────────────────────────────┤
│                                 │
├─────────────────┬───────────────┤
│   PAGE UP       │   PAGE DOWN   │
├────────┬────────┼───────┬───────┤
│ HOME   │ BACK   │ PRINT │ HELP  │
├────────┴────────┴───────┴───────┤
│ Start  🗗        🖵  ☼  ▦ 17:16 │
└─────────────────────────────────┘
```
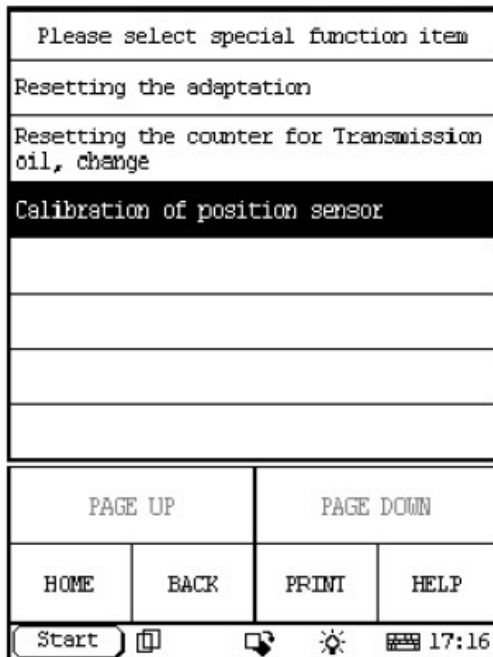
6. step 6:

The information of Calibration of position sensor

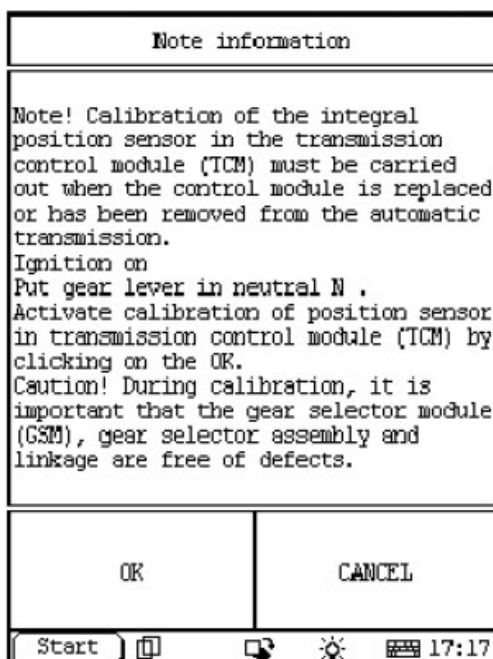Note! Calibration of the integral position sensor in the transmission control module (TCM) must be carried out when the control module is replaced or has been removed from the automatic transmission.

Ignition on

Put gear lever in neutral N.

Activate calibration of position sensor in transmission control module (TCM) by clicking on the OK.

Caution! During calibration, it is important that the gear selector module (GSM), gear selector assembly and linkage are free of defects.

```
┌─────────────────────────────────┐
│        Note information         │
├─────────────────────────────────┤
│ Note! Calibration of the integral │
│ position sensor in the transmission │
│ control module (TCM) must be carried │
│ out when the control module is replaced │
│ or has been removed from the automatic │
│ transmission.                   │
│ Ignition on                     │
│ Put gear lever in neutral N .   │
│ Activate calibration of position sensor │
│ in transmission control module (TCM) by │
│ clicking on the OK.             │
│ Caution! During calibration, it is │
│ important that the gear selector module │
│ (GSM), gear selector assembly and │
│ linkage are free of defects.    │
│                                 │
├─────────────────┬───────────────┤
│      OK         │    CANCEL     │
├─────────────────┴───────────────┤
│ Start  🗗        🖵  ☼  ▦ 17:17 │
└─────────────────────────────────┘
```

7. step 7:
   Select OK, then it will display as:
   Calibration, gear-position sensor
   If you select it, then send command to vehicle and show result to you (see step 8).

Calibration of position sensor
Calibration, gear-position sensor

PAGE UP		PAGE DOWN	
HOME	BACK	PRINT	HELP

Start ▢ ➦ ☀ ▦ 17:19

8. step 8:
   If Reset successes, it will display: Operation finished.
   Otherwise it will display: Operation failed. In the case, please try again.

Note information
Operation finished

OK	PRINT

Start ▢ ➦ ☀ ▦ 11:51