# Checking brake light switch adjustment

This function is intended to check brake light switch adjustment.

Now we take V50_2005 08688027 B (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

| SELECT MENU |
| --- |
| S80 (-06) |
| S80 (07-) |
| S90 |
| V40 |
| **V50** |
| V70 (-00) |
| V70 (00-08) |
| V70 (08-) |

| PAGE UP | | PAGE DOWN | |
| --- | --- | --- | --- |
| HOME | BACK | PRINT | HELP |

Start  ▯    ↵    ☼    ▦ 11:01

2. step 2:    select year

| SELECT MENU |
| --- |
| VIN |
| 2004 |
| **2005** |
| 2006 |
| 2007 |
| 2008 |
| |
| |

| PAGE UP | | PAGE DOWN | |
| --- | --- | --- | --- |
| HOME | BACK | PRINT | HELP |

Start  ▯    ↵    ☼    ▦ 11:02

3. step 3:    select ABS

```
            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   🗗       🖵   ☀   ⌨ 11:02
```

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, 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

 Reading off extended diagnostic trouble
 code(DTC) information

 Erasing Diagnostic Trouble Codes

 Parameter display

 Activating components/functions

 Special Function

        PAGE UP          PAGE DOWN

   HOME    BACK      PRINT     HELP

  Start   🗗       🖵   ☀   ⌨ 11:03
```

5. step 5:

Select Checking brake light switch adjustment

```
┌─────────────────────────────────────────┐
│   Please select special function item    │
├─────────────────────────────────────────┤
│ Checking brake light switch adjustment   │
├─────────────────────────────────────────┤
│ Reading off the configuration            │
├─────────────────────────────────────────┤
│ Calibration(car with DSTC)               │
├─────────────────────────────────────────┤
│                                          │
├─────────────────────────────────────────┤
│                                          │
├─────────────────────────────────────────┤
│                                          │
├─────────────────────────────────────────┤
│                                          │
├─────────────────────────────────────────┤
│                                          │
├────────────────────┬─────────────────────┤
│     PAGE UP        │     PAGE DOWN        │
├────────┬───────────┼──────────┬──────────┤
│  HOME  │   BACK    │  PRINT   │   HELP   │
├────────┴───────────┴──────────┴──────────┤
│ Start  📭      ⏎    ☼     ▦ 11:07         │
└─────────────────────────────────────────┘
```
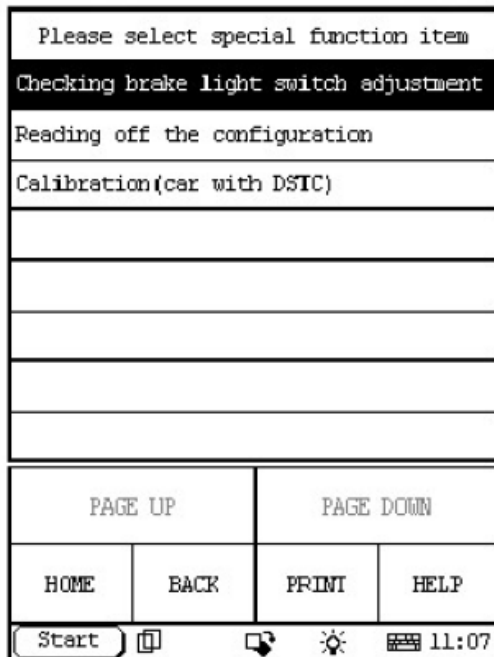
6. step 6:

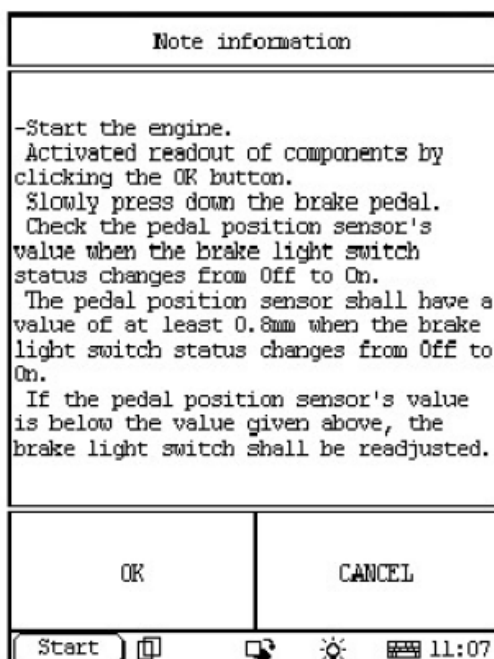The information of Checking brake light switch adjustment:

-Start the engine.

Activated readout of components by clicking the OK button.

Slowly press down the brake pedal.

Check the pedal position sensor's value when the brake light switch status changes from Off to On.

The pedal position sensor shall have a value of at least 0.8mm when the brake light switch status changes from Off to On.

If the pedal position sensor's value is below the value given above, the brake light switch shall be readjusted.

```
┌─────────────────────────────────────────┐
│            Note information              │
├─────────────────────────────────────────┤
│                                          │
│ -Start the engine.                       │
│  Activated readout of components by      │
│ clicking the OK button.                  │
│  Slowly press down the brake pedal.      │
│  Check the pedal position sensor's       │
│ value when the brake light switch        │
│ status changes from Off to On.           │
│  The pedal position sensor shall have a  │
│ value of at least 0.8mm when the brake   │
│ light switch status changes from Off to  │
│ On.                                      │
│  If the pedal position sensor's value    │
│ is below the value given above, the      │
│ brake light switch shall be readjusted.  │
│                                          │
├────────────────────┬─────────────────────┤
│        OK          │      CANCEL          │
├────────────────────┴─────────────────────┤
│ Start  📭      ⏎    ☼     ▦ 11:07         │
└─────────────────────────────────────────┘
```

7. step 7:

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

| ACTUATION TEST | | |
|---|---|---|
| Break light switch status On | | |
| Pedal travel sensor signal | | 41.029 mm |
| | | |
| | | |
| | | |
| | | |
| | | |
| PAGE UP | PAGE DOWN | PRINT |
| EXIT | | |

Start  🗇        🔁    ☀    ▦ 11:07

If Pedal travel sensor signal value is below 0.8mm, you should adjust the switch, then perform above steps again until the value is correct.

8. step 8:

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

| ACTUATION TEST | | |
|---|---|---|
| Break light switch status On | | |
| Pedal travel sensor signal | | 41.029 mm |
| | | |
| | | |
| | | |
| | | |
| | | |
| PAGE UP | PAGE DOWN | PRINT |
| EXIT | | |

Start  🗇        🔁    ☀    ▦ 11:08