

## Self-adjustment of damper motor end stops

This function is intended to carry out self adjustment to define the shutter motor limit positions.

Now we take S60 2001 30658808 A (ECU Diagnostic Part Number) as an example to illustrate the operation:

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

### 1. step 1: S60

| SELECT MENU |   |   |   |
|-------------|---|---|---|
| 850         |   |   |   |
| 960         |   |   |   |
| C70 Coupe   |   |   |   |
| C70 Conv    |   |   |   |
| S40(-04)    |   |   |   |
| S40(04-)    |   |   |   |
| S60         |   |   |   |
| S70         |   |   |   |
| PAGE UP     |   | PAGE DOWN   |   |
| HOME        | BACK  | PRINT   | HELP  |
| Start       |  |  |  14:10 |

### 2. step 2: select year

| SELECT MENU |   |   |   |
|-------------|---|---|---|
| VIN         |   |   |   |
| 2001        |   |   |   |
| 2002        |   |   |   |
| 2003        |   |   |   |
| 2004        |   |   |   |
| 2005        |   |   |   |
| 2006        |   |   |   |
| 2007        |   |   |   |
| PAGE UP     |   | PAGE DOWN   |   |
| HOME        | BACK  | PRINT   | HELP  |
| Start       |  |  |  14:11 |

**3. step 3:** select CCM

|                                |      |           |       |
|--------------------------------|------|-----------|-------|
| SELECT MENU                    |      |           |       |
| UEM(Up electrical module)      |      |           |       |
| REM(Rear electrical module)    |      |           |       |
| DIM(Driver information module) |      |           |       |
| PDM(Passenger door module)     |      |           |       |
| PSM(Power seat module)         |      |           |       |
| DDM(Driver door module)        |      |           |       |
| CCM(Climat control module)     |      |           |       |
| PHM(Phone module)              |      |           |       |
| PAGE UP                        |      | PAGE DOWN |       |
| HOME                           | BACK | PRIMI     | HELP  |
| Start                          |      |           | 14:11 |

**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 out 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                          |      |           |       |
| Reading off extended diagnostic trouble code(DTC) information |      |           |       |
| Erasing Diagnostic Trouble Codes                              |      |           |       |
| Parameter display   |      |           |       |
| Special Function  |      |           |       |
| PAGE UP   |      | PAGE DOWN |       |
| HOME  | BACK | PRIMI     | HELP  |
| Start   |      |           | 14:14 |

**5. step 5:**

Select: Self-adjustment of damper motor end stops

|   |      |           |       |
|---|------|-----------|-------|
| Please select special function item       |      |           |       |
| Self-adjustment of damper motor end stops |      |           |       |
| Reading-out programmed parameters         |      |           |       |
|   |      |           |       |
|   |      |           |       |
|   |      |           |       |
|   |      |           |       |
| PAGE UP                                   |      | PAGE DOWN |       |
| HOME                                      | BACK | PRINT     | HELP  |
| Start                                     |      |           | 14:14 |

**6. step 6:**

The information of Self-adjustment of damper motor end stops:

Please select Climate Control type

- 1、 Electronic climate control (ECC)
- 2、 Manual climate control (MCC)/Standard (STD).

Please select one according to you want to programmed.

If you select ECC, please operate as from step 7 to step 10; else following from step 11 to step 14.

|   |      |           |       |
|---|------|-----------|-------|
| Please select Climate Control type          |      |           |       |
| Electronic climate control (ECC)            |      |           |       |
| Manual climate control (MCC)/Standard (STD) |      |           |       |
|   |      |           |       |
|   |      |           |       |
|   |      |           |       |
|   |      |           |       |
| PAGE UP                                     |      | PAGE DOWN |       |
| HOME  | BACK | PRINT     | HELP  |
| Start                                       |      |           | 14:15 |

7. step 7:

Select: 1、 Electronic climate control (ECC)

|   |      |           |       |
|---|------|-----------|-------|
| Please select Climate Control type          |      |           |       |
| Electronic climate control (ECC)            |      |           |       |
| Manual climate control (MCC)/Standard (SID) |      |           |       |
|   |      |           |       |
|   |      |           |       |
|   |      |           |       |
|   |      |           |       |
|   |      |           |       |
| PAGE UP                                     |      | PAGE DOWN |       |
| HOME  | BACK | PRIMI     | HELP  |
| Start                                       |      |           | 14:15 |

8. step 8:

The information of Electronic climate control (ECC):

After replacing the control module or shutter motors, and when a shutter motor or link has been removed, carry out self adjustment to define the shutter motor limit positions.

-Ignition off

-Reinstall the connectors, components etc.

-Ignition on

Activate the self-adjustment. Wait at least 30 seconds.

Ignition off for at least 1 minute.

Start the engine

|  |        |  |       |
|--|--------|--|-------|
| Note information   |        |  |       |
| After replacing the control module or shutter motors, and when a shutter motor or link has been removed, carry out self adjustment to define the shutter motor limit positions.<br>-Ignition off<br>-Reinstall the connectors, components etc.<br>-Ignition on<br>Activate the self-adjustment. Wait at least 30 seconds.<br>Ignition off for at least 1 minute.<br>Start the engine |        |  |       |
| OK   | CANCEL |  |       |
| Start  |        |  | 14:20 |

Please do as above instructions, install the connectors and components, then switch ignition ON.

**9. step 9:**

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

| ACTUATION TEST |           |       |
|----------------|-----------|-------|
| Left Temp      |           |       |
| Right Temp     |           |       |
| Defroster      |           |       |
| Recirculation  |           |       |
| Ventilation    |           |       |
|                |           |       |
|                |           |       |
|                |           |       |
| PAGE UP        | PAGE DOWN | PRINT |
| Start Activate |           | EXIT  |
| Start          |           | 14:21 |

All value will not be display before click “Start Activate”.

Click “Start Activate”. It will display values like this:

| ACTUATION TEST |                          |       |
|----------------|--------------------------|-------|
| Left Temp      | OK                       |       |
| Right Temp     | Undefined area           |       |
| Defroster      | Limit position not found |       |
| Recirculation  | Error                    |       |
| Ventilation    | Not available            |       |
|                |                          |       |
|                |                          |       |
| PAGE UP        | PAGE DOWN                | PRINT |
| Start Activate |                          | EXIT  |
| Start          |                          | 15:07 |

Please wait for 30s at least.

**10. step 10:**

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

| ACTUATION TEST |                          |       |   |   |       |
|----------------|--------------------------|-------|---|---|-------|
| Left Temp      | OK                       |       |   |   |       |
| Right Temp     | Undefined area           |       |   |   |       |
| Defroster      | Limit position not found |       |   |   |       |
| Recirculation  | Error                    |       |   |   |       |
| Ventilation    | Not available            |       |   |   |       |
|                |                          |       |   |   |       |
| PAGE UP        | PAGE DOWN                | PRINT |   |   |       |
| Start Activate | EXIT                     |       |   |   |       |
| Start          | ☐                        | ☐     | ☐ | ☐ | 15:08 |

Ignition OFF at least 1 minute, then start the engine to check if set is ok.

**11. step 11:**

**Select: 2、 Manual climate control (MCC)/Standard (STD).**

|   |      |           |      |   |       |
|---|------|-----------|------|---|-------|
| Please select Climate Control type          |      |           |      |   |       |
| Electronic climate control (ECC)            |      |           |      |   |       |
| Manual climate control (MCC)/Standard (STD) |      |           |      |   |       |
|   |      |           |      |   |       |
|   |      |           |      |   |       |
|   |      |           |      |   |       |
|   |      |           |      |   |       |
| PAGE UP                                     |      | PAGE DOWN |      |   |       |
| HOME  | BACK | PRINT     | HELP |   |       |
| Start                                       | ☐    | ☐         | ☐    | ☐ | 15:25 |

**12. step 12**

The information of Manual climate control (MCC)/Standard (STD)

After replacing the control module or shutter motors, and when a shutter motor or link has been removed, carry out self adjustment to define the shutter motor limit positions.

-Ignition off

-Reinstall the connectors, components etc.

-Ignition on

Activate the self-adjustment. Wait at least 30 seconds.

Ignition off for at least 1 minute.

Start the engine

| Note information   |        |
|--|--------|
| After replacing the control module or shutter motors, and when a shutter motor or link has been removed, carry out self adjustment to define the shutter motor limit positions.<br>-Ignition off<br>-Reinstall the connectors, components etc.<br>-Ignition on<br>Activate the self-adjustment. Wait at least 30 seconds.<br>Ignition off for at least 1 minute.<br>Start the engine |        |
| OK   | CANCEL |
| Start  | 15:35  |

### 13. step 13:

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

| ACTUATION TEST |           |       |
|----------------|-----------|-------|
| Left Temp      |           |       |
| Right Temp     |           |       |
| Recirculation  |           |       |
| Mode           |           |       |
|                |           |       |
|                |           |       |
|                |           |       |
|                |           |       |
| PAGE UP        | PAGE DOWN | PRINT |
| Start Activate |           | EXIT  |
| Start          | 15:35     |       |

All value will not be display before click "Start Activate".

Click "Start Activate". it will display values like this:

| ACTUATION TEST |                |       |   |   |       |
|----------------|----------------|-------|---|---|-------|
| Left Temp      | OK             |       |   |   |       |
| Right Temp     | Undefined area |       |   |   |       |
| Recirculation  | Undefined area |       |   |   |       |
| Mode           | Error          |       |   |   |       |
|                |                |       |   |   |       |
|                |                |       |   |   |       |
|                |                |       |   |   |       |
| PAGE UP        | PAGE DOWN      | PRINT |   |   |       |
| Start Activate |                | EXIT  |   |   |       |
| Start          | ☐              | ☑     | ☼ | ☒ | 15:36 |

Please wait for 30s at least.

**14. step 14:**

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

| ACTUATION TEST |                |       |   |   |       |
|----------------|----------------|-------|---|---|-------|
| Left Temp      | OK             |       |   |   |       |
| Right Temp     | Undefined area |       |   |   |       |
| Recirculation  | Undefined area |       |   |   |       |
| Mode           | Error          |       |   |   |       |
|                |                |       |   |   |       |
|                |                |       |   |   |       |
|                |                |       |   |   |       |
| PAGE UP        | PAGE DOWN      | PRINT |   |   |       |
| Start Activate |                | EXIT  |   |   |       |
| Start          | ☐              | ☑     | ☼ | ☒ | 15:38 |

Ignition OFF at least 1 minute, then start the engine to check if set is ok.