

REMOVAL - REFITTING : BRIGHTNESS SENSOR AND RAIN SENSOR ASSEMBLY

1. Special tools

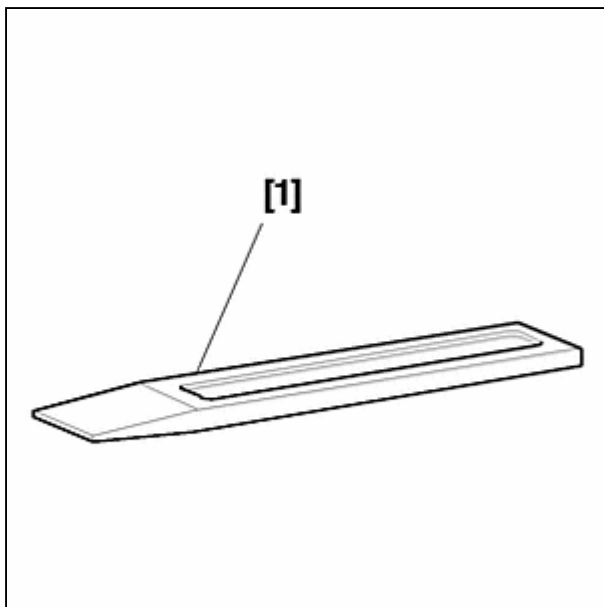


Figure : C5FK09WC

[1] Stripping tool (-).1350.

2. Removal

Switch off the ignition.

Take out the ignition key.

Remove the interior mirror.

Remove the sensor protector :

- Take hold of one of the sides of the protector between your thumb (upper side) and other fingers (lower side)
- Clamp the protector and keep it clamped
- Engage the tool [1] between the windscreen and the protector
- Lever in order to unclip (on the side required) the protector from its support
- Take care not to reattach the side that has already been unclipped (Proceed in the same manner for the other side)
- Unclip the protector as far as the headlining

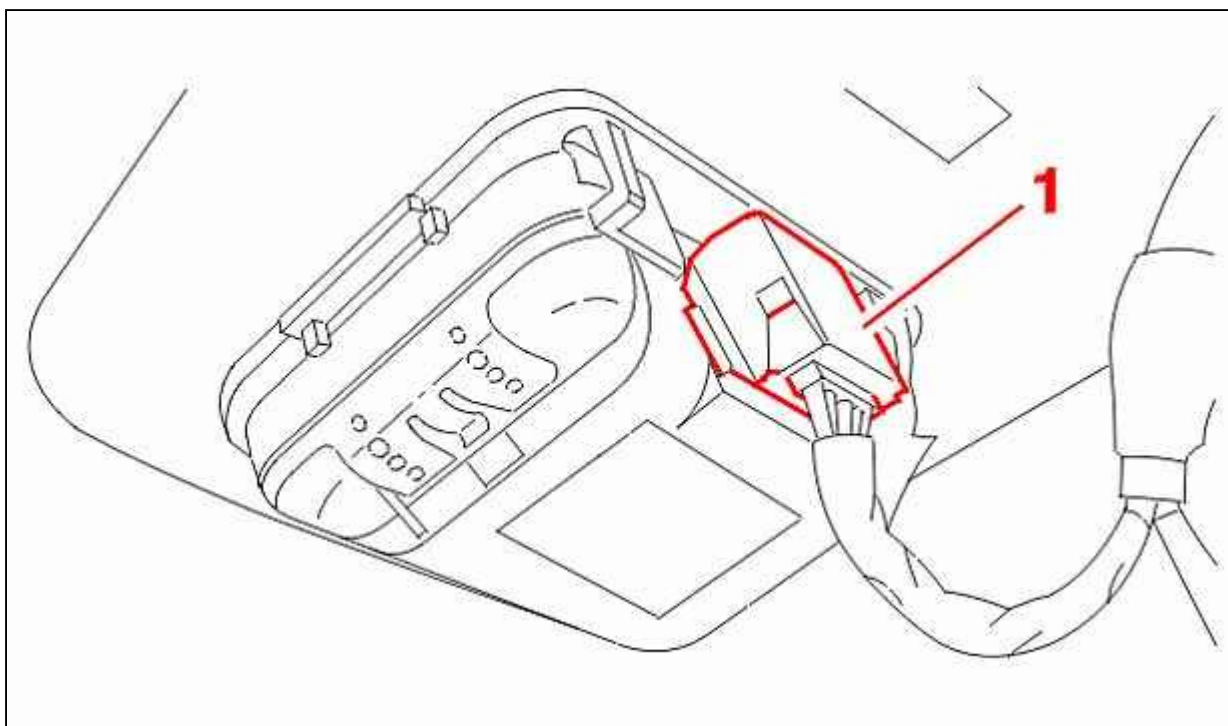


Figure : C5DK039D

Disconnect the connector (1) .

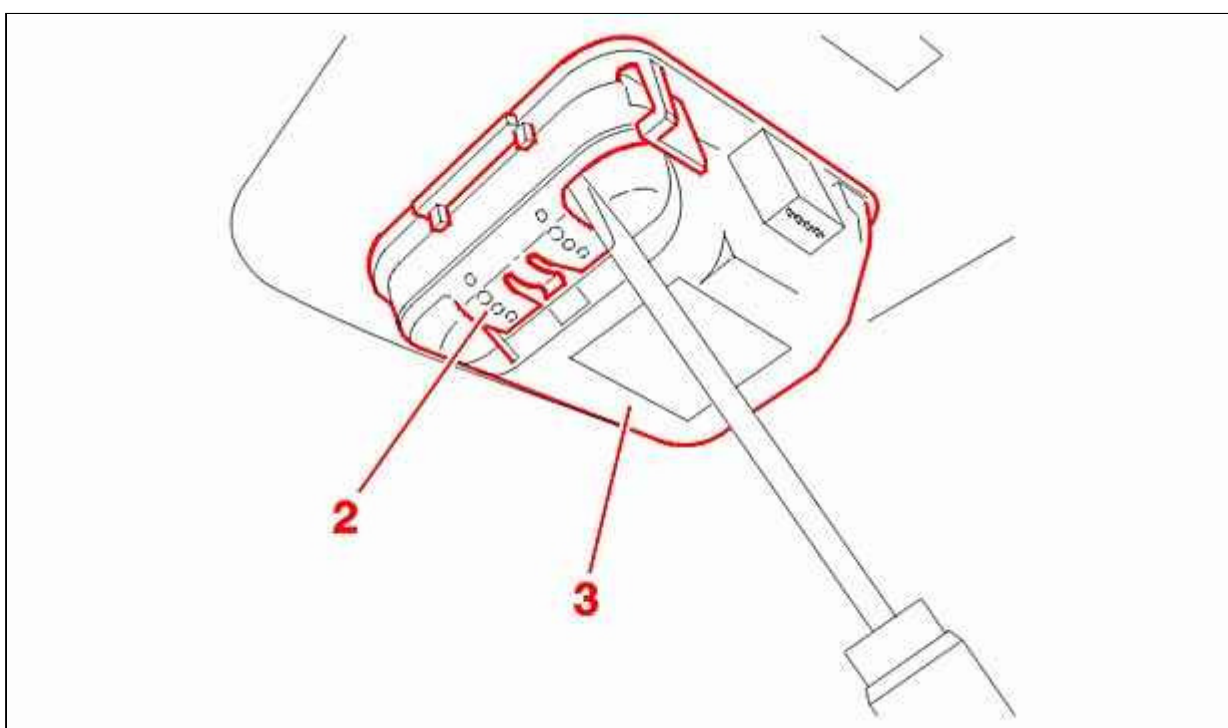


Figure : C5DK03AD

URGENT : Do not exert force on the rain sensor (The coupling cushion must not be displaced) .

Successively release on the 4 spring tips (2) using tool [1], towards the windscreen, until the springs detach from the base.

CAUTION : There must be no sign of permanent distortion of the springs.

Move the springs to the pre-locking position at 45 (In degrees) .

Take hold of the rain sensor with one hand, at the housing.

Extract the sensor from the base in the upright position.

N.B. : If the rain sensor can not easily be removed with one hand, use the tool [1].

Pass the tool [1] from one side (small side in the centre ; not from the large side nor by the top or the bottom) between the base and the rain sensor.

Carefully move aside the rain sensor until the coupling cushion detaches from the windscreen.

Ensure that neither the sensor housing nor the coupling cushion are damaged.

It is not permitted to touch the surface of the coupling cushion with your fingers or an object.

Remove the brightness sensor and rain sensor assembly (3).

CAUTION : Take all necessary precautions to keep the sensor assembly surface clean and free of scratches (place it in an envelope, for example) ; Or even use transparent adhesive tape, which is stuck onto the cushion.

3. Refitting

URGENT : Clean the windscreen sensor area (using a cleaning diluting agent, for example) before refitting the sensor assembly.

The rain sensor is in the pre-locking position at 45 ° (spring open), in its original packaging.

If necessary, remove the protective cover directly prior to fitting the rain sensor.

It is not permitted to touch the surface of the coupling cushion with your fingers or an object.

Ensure that the coupling cushion is not damaged.

Place the rain sensor in the base.

Position the connector the correct way round.

Carry out a pre-centring procedure.

Insert the tips of the springs into their locations.

Close the spring on one side (Locking click) .

Exert slight pressure on the sensor.

Slide towards the other side, to avoid air bubbles.

Close the spring on the other side (Locking click) .

URGENT : Check there are no air bubbles between the sensor and the windscreen.

Re-connect the connector (1) (Locking click) .

Fit the sensor protector :

- Engage the headlining in the groove of the protector (Using the tool [1])
- Replace the harness in the sheathing
- Place the protector on the sensor
- Clip the protector going from the headlining as far as the sensor

4. Check of correct operation

Place the key in the ignition switch.

Switch on the ignition controlled positive supply.

Place the front windscreen wiper stalk in the automatic position.

Check :

- Message on the multifunction display : Automatic Wiping Active
- A single initialisation wipe

Wet the sensor detection zone on the windscreen.

Check that the wiper movement is triggered and stops.

Move the stalk to position 0.

Switch off the ignition.