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*shows you how*

**BMW 3-Series 320i & 320xi (12-14), 325i, 325xi, 330i & 330xi (06) & 328i & 328xi (07-14) Haynes Online Manual**

## 19 Sunroof - general information, motor replacement and initialization

### General information

1 Due to the complexity of the sunroof mechanism, considerable expertise is needed to repair, replace or adjust the sunroof components successfully. Removal of the roof requires removal of the headliner, which is a complex and tedious operation. Therefore, any problems with the sunroof (except motor replacement) should be referred to a dealer or other qualified shop.

2 On models with an electric sunroof, if the sunroof motor fails to operate, first check the relevant fuse. If the fault cannot be traced and rectified, the sunroof can be opened and closed manually using an Allen key to turn the motor spindle (a key is supplied with the vehicle tool kit). To gain access to the motor, unclip the cover from the headliner. Remove the Allen key from the tool kit and insert it into the motor spindle. Disconnect the motor wiring connector and rotate the key to move the sunroof to the required position.

### Motor replacement

3 Disconnect the negative battery cable (see [Chapter 5](#) ).

4 Starting at the front edge, carefully pry the interior light lens unit from between the sun visors.

5 Release the clips at the front edge and remove the interior light unit from the headliner between the sun visors (see [illustrations](#)) . Disconnect the electrical connector(s) as the unit is removed.

**19.5a Use a flat-bladed tool to release the clips . . .**

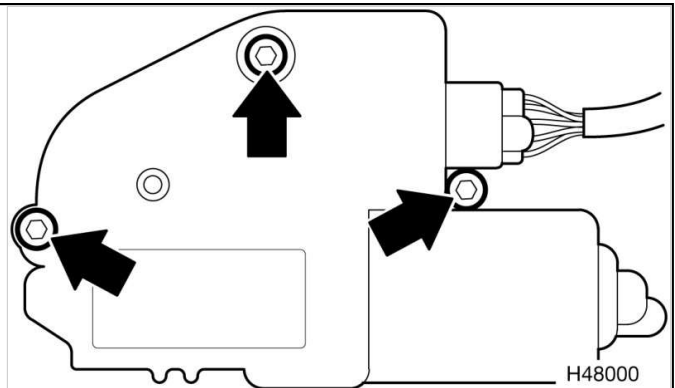


**19.5b . . . at the front edge of the interior light unit**



6 Remove the mounting bolts and pull the motor out. Disconnect the electrical connector as the motor is removed (see illustration) .

**19.6 Sunroof motor retaining bolts**



7 Installation is the reverse of removal, but carry out the initialization procedure as described in Step 8.

## Initialization

8 Initialize the sunroof as follows:

- A. Press and hold the switch in the tilt position.**
- B. After reaching the end of tilt position, keep the switch pressed for another 30 seconds. The normalization is complete when the sunroof rear end lifts briefly.**
- C. Keep the switch pressed in the tilt position, after approximately 5 seconds, the sunroof will move to the closed position, back to the open position, then finally back to the closed position.**
- D. Release the switch.**

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