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**BMW 3-Series and Z4 (99-05) Includes 2006 325ci/330ci Coupe and Convertible models Haynes Online Manual.**

## 22 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 first requires the headlining to be removed, which is a complex and tedious operation, and not a task to be undertaken lightly. Therefore, any problems with the sunroof (except sunroof motor replacement) should be referred to a BMW dealer or specialist.

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 suitable key is supplied with the vehicle tool kit). To gain access to the motor, unclip the cover from the headlining. 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 (see illustration) .

#### 22.2 Insert the tool into the motor spindle



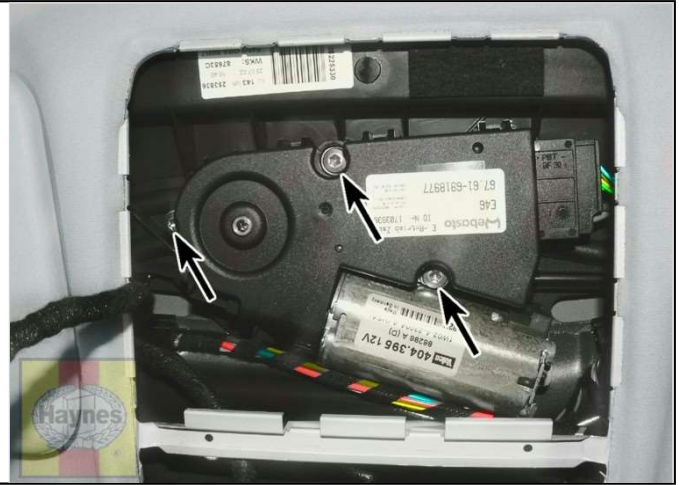
### Motor replacement

3 Carefully pry the interior light unit from the headlining between the sun visors. Disconnect the wiring connector(s) as the unit is withdrawn.

4 Carefully pull the front edge of the motor panel down and remove it complete with the switch. Disconnect the wiring connector as the panel is withdrawn.

5 Remove the three retaining screws, and pull the motor from its location. Disconnect the wiring connector as the motor is removed (see illustration) .

### 22.4 Sunroof motor screws



6 Installation is a reversal of removal, but carry out the initialization procedure as described next.

## Initialization

7 With the battery reconnected, and the ignition on, press the sunroof operating switch into the 'tilt' position and hold it there.

8 Once the sunroof has reached the 'fully-tilted' position, hold the switch in that position for approximately 20 seconds. Initialization is complete when the sunroof briefly lifts at the rear again.

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