

540 Sunroof

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GENERAL

The electrically-operated slide-tilt sunroof is controlled by a set of cables that move the sunroof panel along guide rails when the motor is operated. The sunroof can be adjusted without removing it from the car. Replacement of the sunroof liner or components such as the cable assembly require that the sunroof panel be removed.

The components of the slide-tilt sunroof are shown in Fig. 1.

NOTE —

- Be sure to check the drains in the front corners of the sunroof carrier if water is entering the car through the headliner.
- Removal and repair of the sunroof and other components inside the roof cavity is beyond the scope of this manual.

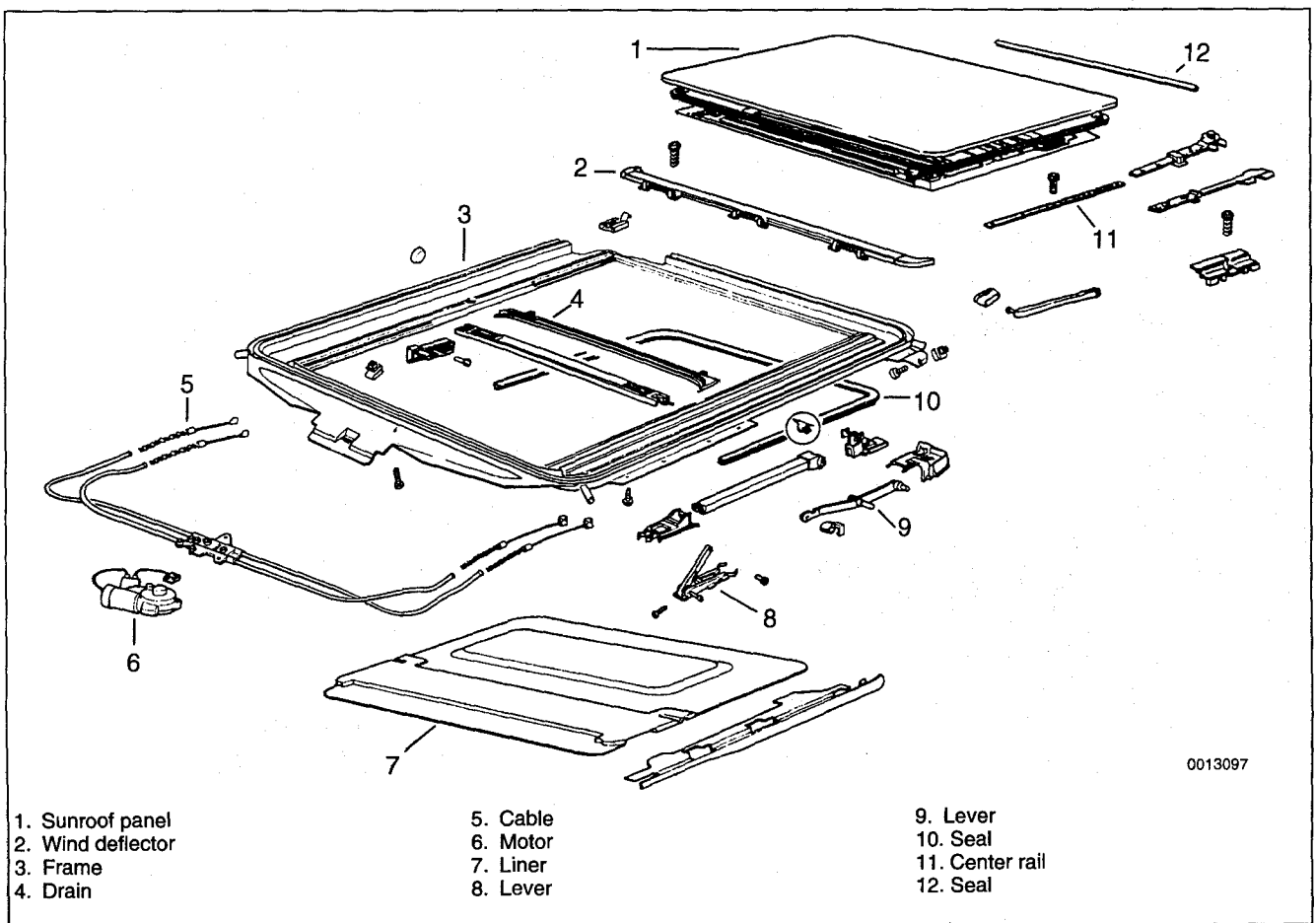


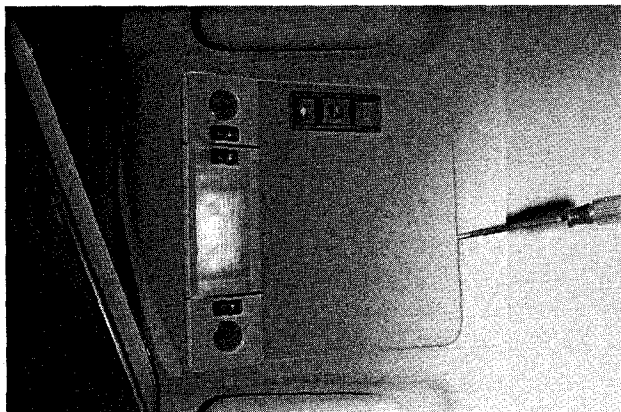
Fig. 1. Slide-tilt sunroof assembly.

GENERAL

SLIDE-TILT SUNROOF

Sunroof panel, emergency closing

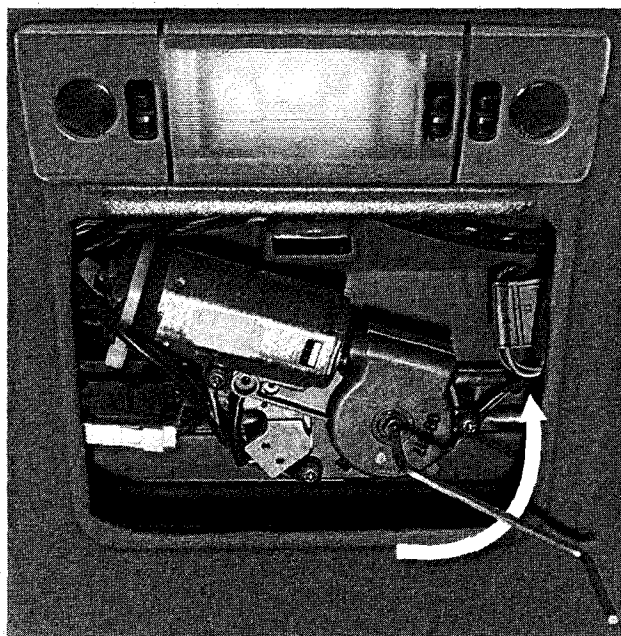
1. Remove access panel from below sunroof motor. See Fig. 2.



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Fig. 2. Sunroof motor access cover being pried off.

2. Insert hex key into drive in sunroof motor and turn hex key to close panel. See Fig. 3.



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Fig. 3. Use hex key to manually close sunroof. Turn hex key to manually close sunroof.

NOTE —

The hex key for manually (emergency) closing the sunroof can be found in the tool kit located in the luggage compartment.

Sunroof panel, adjusting

The sunroof panel should be adjusted whenever the top of the closed sunroof becomes misaligned with the roof of the car, if it does not close squarely, if there are wind noises at speed, if there are water leaks, or if the sunroof has been removed.

1. Open sunroof slightly. Rear of sunroof should be 2 to 3 mm below surface of roof.
2. Slide sunroof liner slowly and carefully back into roof cavity as far as possible. See Fig. 4.



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Fig. 4. Slide sunroof liner back into roof cavity.

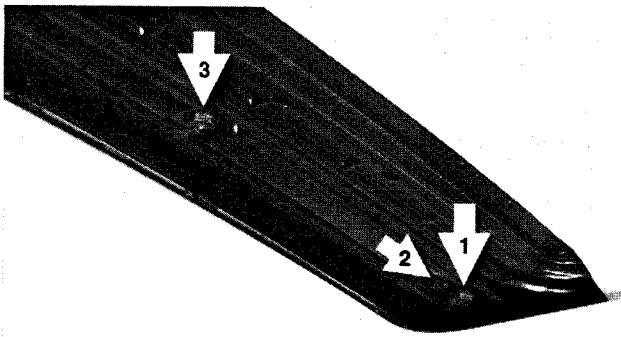
3. Shut sunroof fully.

CAUTION —

Do not open sunroof with liner in this position. Damage to sunroof mechanism could result.

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4. Rear adjustment: Loosen rear adjusting wedges and push in or out until rear of sunroof is aligned correctly with roof-top. See Fig. 5.



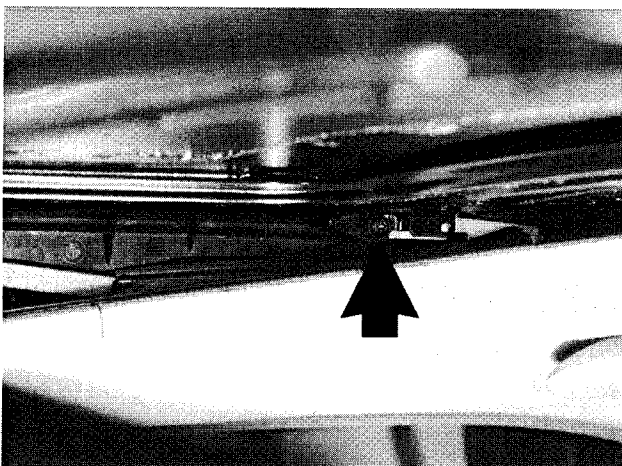
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Fig. 5. Adjust rear of sunroof by loosening nuts **1** and **3**. Push adjusting wedges **2** in or out to achieve correct height.

NOTE —

- Push sunroof forward before retightening wedge fasteners.
- Use Loctite® 270 or an equivalent thread sealing compound when reinstalling the retaining fasteners. Alternatively, install new fasteners.

5. Front adjustment: Loosen retaining screws, then push front of sunroof panel up or down until it is aligned correctly with roof-top. Retighten screws. See Fig. 6.



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Fig. 6. Adjust front of sunroof by loosening screw (arrow). Push sunroof up or down to achieve correct height.

NOTE —

Use Loctite® 270 or an equivalent thread sealing compound when reinstalling the retaining screws. Alternatively, install new screws.

6. Open sunroof slightly. Rear of sunroof should be 2 to 3 mm below surface of roof.
7. Slide sunroof liner slowly and carefully forward out of roof cavity as far as possible.

Sunroof Height Adjustment Specifications

- Rear flush/1 mm higher than roof top
- Front flush/1 mm lower than roof top

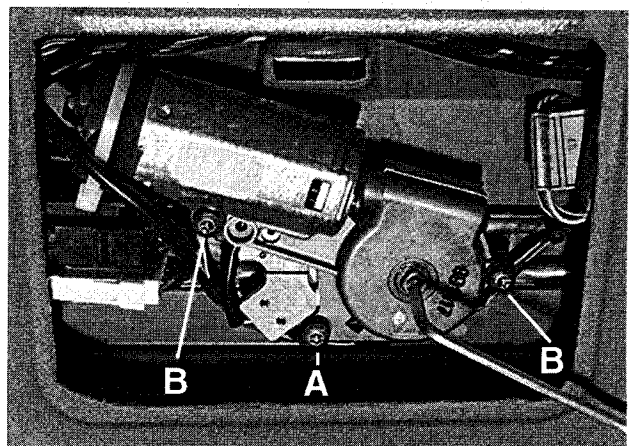
Tightening Torque

- Front or rear adjusting fasteners. 6 Nm (53 in-lb)

Sunroof motor, removing and installing

The sunroof should be in the closed position before removing or installing the sunroof motor. If necessary, manually close the sunroof panel as described under **Sunroof panel, emergency closing**.

1. With ignition switch off, remove access panel from below sunroof motor. Refer to Fig. 2.
2. Remove sunroof motor mounting screws. See Fig. 7.



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Fig. 7. Sunroof motor mounting screws (**A** and **B**). Screw at **A** is longer than screws at **B**.

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3. Disconnect harness connector from motor and remove motor.
4. Installation is reverse of removal. Be sure the motor is in the "closed" position before installing it to the sunroof carrier. See Fig. 8.

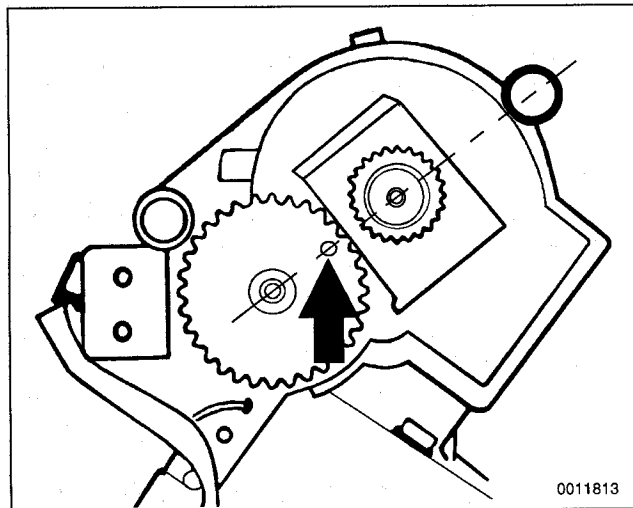


Fig. 8. Sunroof motor in "closed" position. Hole (arrow) in large gear aligns with shafts on both gears (to mid-1994).

NOTE —

On cars manufactured from mid-1994, the sunroof motor gear assembly is encased and cannot be seen. Before installing the motor in the roof, connect electrical harness connector, operate switch to rear until motor stops, then to front until motor stops. Then install motor in roof.

Tightening Torque

- Sunroof motor to motor carrier 2.8 Nm (25 in-lb)

