

Component Procedures: Sunroof / Moonroof Frame

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Removal Procedure

- Remove the sunshade panel. Refer to Sunroof Sunshade Replacement .
- Remove the sunroof window. Refer to Sunroof Window Replacement .
- It is only necessary to lower the headliner . Only do the steps in headliner replacement that will lower the headliner enough to gain access to the part. Refer to Headlining Trim Panel Replacement .
- Disconnect the electrical connector to the sunroof actuator/motor.
- Disconnect the electrical connector from the sunroof frame.
- Disconnect the front and rear drain hoses (1) from the drain spouts on the sunroof frame. Refer to Sunroof Housing Front Drain Hose Replacement and Sunroof Housing Rear Drain Hose Replacement . Click for full-size image
- Remove the sunroof frame bolts (2) from the roof.
- Remove the center bolts from the sunroof frame.
- With the aid of an assistant, lower and remove the sunroof frame out through the passenger side door.

Installation Procedure

- Transfer all the necessary components to the new module.
- With the aid of an assistant, position the new sunroof frame to the studs located on the roof ring. Click for full-size image
- Install the center sunroof frame to roof bolts (1, 2) and tighten by hand.
- Install the remaining sunroof frame (1) bolts to the frame in sequence (3–8) and tighten to 10 Nm (89 lb in)
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- Connect the front and rear drain hoses (1) to the drain spouts on the sunroof frame. Refer to Sunroof Housing Front Drain Hose Replacement and Sunroof Housing Rear Drain Hose Replacement . Click for full-size image
- Install the sunroof window to the new sunroof frame. Refer to Sunroof Window Replacement .
- Install the sunshade panel to the new sunroof frame. Refer to Sunroof Sunshade Replacement .
- Connect the electrical connector to the sunroof actuator/motor.
- Secure the harness to the sunroof frame.
- Verify the proper operation of the sunroof before securing the headliner. Refer to Sunroof/Sunshade Motor Initialization .
- Install the headliner. Refer to Headlining Trim Panel Replacement .