

# **Component Procedures: Sunroof / Moonroof Motor**

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# Component Procedures: Sunroof / Moonroof Motor

## Parts and Labor (itype\_189)

### Parts

Qualifier	Part #	Name	Price	Note
Motor	NOT LISTED	Motor	0.00	

### Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Sunroof > Motor, R&R	B	1.0	0.8

## Sunroof Actuator Motor Replacement (Article 13158)

### Removal Procedure

- It is only necessary to lower the headliner . Only do those steps in the headliner replacement procedure that will lower the headliner enough to gain access to the part. Refer to Headlining Trim Panel Replacement .
- Disconnect the actuator/motor harness from the sunroof frame .
- Disconnect the electrical connector from the sunroof actuator/motor.
- Remove the sunroof actuator/motor bolts (1) from the sunroof frame. Click for full-size image
- Remove the sunroof actuator/motor (2) from the sunroof frame.

### Installation Procedure

- Install the sunroof actuator/motor (2) to the sunroof frame. Click for full-size image
- Install the sunroof actuator/motor bolts (1) and tighten to 5 Nm (44 lb in) .
- Connect the electrical connector to the sunroof actuator/motor.
- Secure the electrical harness to the sunroof frame.
- Ensure the motor/actuator initialization teach process has been done. Refer to Sunroof/Sunshade Motor Initialization .
- Verify the proper operation of the sunroof before securing the headliner.
- Install the headliner. Refer to Headlining Trim Panel Replacement .