

# Sunroof Motor

SUN ROOF/T-TOP/CONVERTIBLE TOP (SUNROOF)

## 5. Sunroof Motor

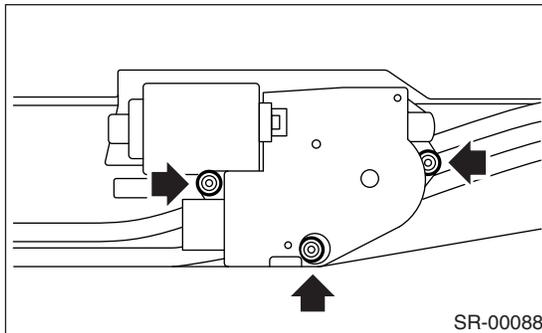
### A: REMOVAL

#### CAUTION:

- When removing the clip, use great care not to damage the roof trim.
- Never rotate the sunroof motor after removing it.

#### 1. SEDAN MODEL

- 1) Completely close the glass lid.
- 2) Disconnect the ground cable from battery.
- 3) Remove the roof trim. <Ref. to EI-66, SEDAN MODEL, REMOVAL, Roof Trim.>
- 4) Disconnect the harness connector, and then remove the motor assembly mounting screw.

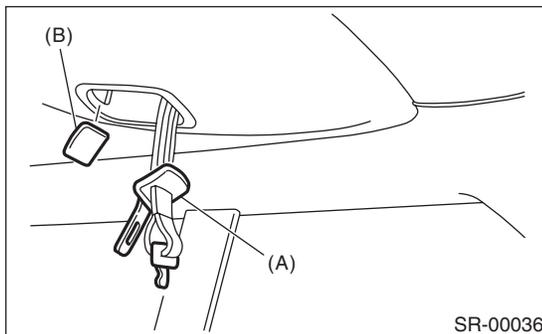


#### CAUTION:

When removing the motor assembly, secure the cable wires to prevent moves.

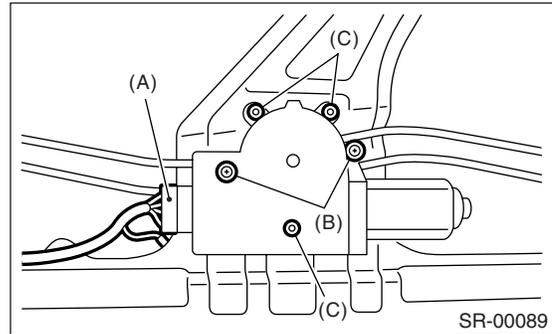
#### 2. WAGON MODEL

- 1) Fully close the glass lid (front) and glass lid (rear).
- 2) Disconnect the ground cable from battery.
- 3) Remove the luggage room light. <Ref. to LI-31, REMOVAL, Luggage Room Light.>
- 4) Remove the roof trim. <Ref. to EI-66, WAGON MODEL, REMOVAL, Roof Trim.>
- 5) Pass the seat belt tongue (A) located on center of rear seat through the hole, and then pull it out to the opposite side of trim.



- 6) Remove the clips, and then drop the rear end of roof trim.

- 7) Disconnect the harness connector (A), and then remove the motor assembly mounting bolts (B) and nuts (C).



### B: INSTALLATION

#### CAUTION:

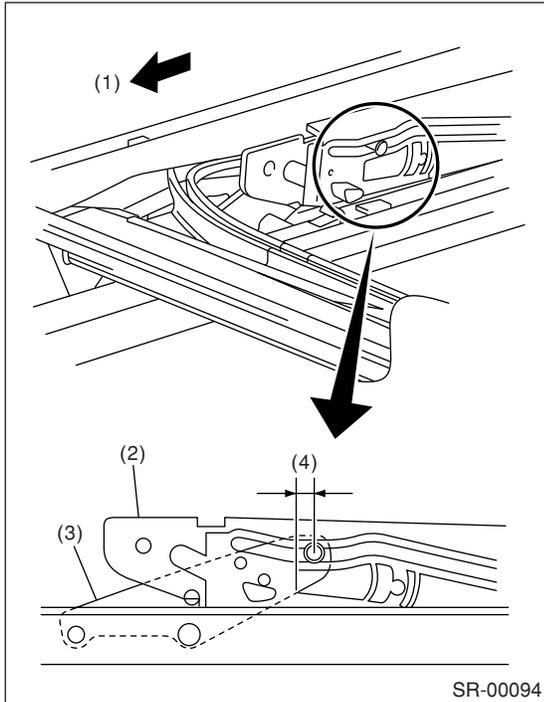
When installing the motor assembly, be careful not to move the sunroof cable.

# Sunroof Motor

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### 1. SEDAN MODEL

1) Align the coulisse assembly and link assembly in the same position.



- (1) Front
- (2) Coulisse ASSY
- (3) Link ASSY
- (4) 4.7 mm (0.185 in)

2) Install the motor assembly.

3) Connect the harness connector of motor assembly, and then connect the battery ground cable to battery.

4) Perform the initialize operation of motor.

(1) Tilt up the glass lid.

(2) Release the switch once, and press the tilt up switch again for 15 seconds.

(3) When the glass lid is raised a little and on tilt up position, release the switch for the moment.

(4) Keep pressing the tilt up switch within 5 seconds from releasing the switch, glass lid tilts down → slides open → slides close operation automatically, and then initialize operation is completed.

5) Check the operation of sunroof with following table.

Operation	Switch position
(1) Glass lid closes completely.	Close
(2) Glass lid tilt up to the top position.	Tilt up
(3) Glass lid lowers completely.	Tilt down
(4) Glass lid opens completely.	Open
(5) Glass lid closes 150 mm (5.91 in) away from completely closed position.	Close
(6) Glass lid closes completely.	Close

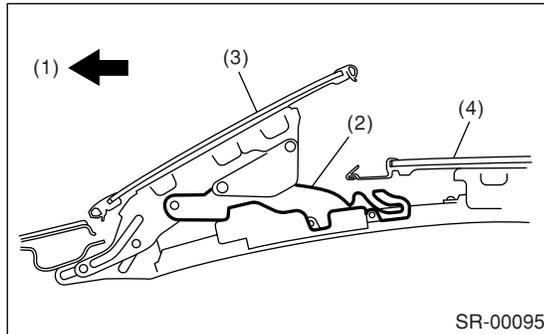
6) Install the trim in the reverse order of removal.

# Sunroof Motor

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## 2. WAGON MODEL

Check that the wedge of glass lid (front) bracket part is contacting in the direction of vehicle front.  
At this time, the lid is at fully open position.



- (1) Front
- (2) Wedge
- (3) Glass lid (Front)
- (4) Glass lid (Rear)

1) Install the motor assembly.

2) After the installation of motor assembly, check again that the wedge of glass lid (front) bracket part is contacting in the direction of vehicle front.

3) Connect the harness connector of motor assembly, and then connect the battery ground cable to battery.

4) Perform the initialize operation of motor.

- When replacing the motor with a new one, fully close the glass once and perform the initialization of position, because the movement of glass lid shifts to brink operation.
- When reusing the motor, operate the auto-reverse function five times in a row to shifts brink operation, and then perform the initialization of position.

5) Check the operation of sunroof with following table.

Operation	Switch position
(1) Glass lid (front) and glass lid (rear) closes completely.	Close
(2) Glass lid (front) tilt up to the ventilating position.	Open
(3) Glass lid (front) tilts up to top position, and glass lid (rear) opens near the completely open position.	Open
(4) Glass lid (rear) opens completely.	Open
(5) Glass lid (rear) closes on 150 mm (5.91 in) from rear end of tilted up glass lid (front).	Close
(6) Glass lid (rear) closes completely, and glass lid (front) stops in the ventilating position.	Close
(7) Glass lid (front) lowers, and then glass lid (front) and glass lid (rear) closes completely.	Close

6) Install the trim in the reverse order of removal.