

ON-VEHICLE INSPECTION

1. CHECK AUTO OPERATION

HINT:

When pressing the switch for 0.3 seconds or less, the roof glass moves but auto operation does not operate.

- (a) Turn the ignition switch ON.
- (b) When the roof glass is fully closed, check that pressing the slide roof open side of the sliding roof switch for 0.3 seconds or more causes the roof glass to slide and stop at the fully open position.

HINT:

If the slide open side of the sliding roof switch is pressed again, the roof glass will move 45 mm beyond the stored fully open position.

- (c) When the roof glass is fully open, check that pressing the tilt up side of the sliding roof switch for 0.3 seconds or more causes the roof glass to slide to the fully closed position.
- (d) When the roof glass is for 0.3 seconds or more causes the roof glass to tilt to the fully tilted up position. fully closed, check that pressing the tilt up side of the sliding switch
- (e) When roof glass is fully tilted up, check that pressing the slide open side of the sliding roof switch for 0.3 seconds or more causes the roof glass to tilt to the fully tilted down position.
- (f) During auto function operation (slide open/ close, tilt up/down), check that operating the sliding roof switch stops the roof glass.

2. CHECK SLIDING ROOF OPERATION AFTER IGNITION SWITCH IS TURNED OFF (KEY-OFF OPERATION)

- (a) Turn the ignition switch from ON to OFF, and check that the sliding roof operates. Then open the driver side door once, and check that the sliding roof does not operate.
- (b) Turn the ignition switch from ON to OFF and wait for approximately 43 seconds. Check that the sliding roof does not operate.
- (c) Operate the auto (SLIDE OPEN or TILT UP) operation. While the roof glass is in motion, turn the ignition switch from ON to OFF. Check that the auto operation continues until the roof glass opens or closes fully. After the auto operation is completed, check that the sliding roof operation cannot be performed.

3. CHECK JAM PROTECTION FUNCTION (Overload Reverse Operation)

CAUTION:

- Do not use a part of your body, for example, your hand, to check the jam protection.
- Do not allow anything to become caught in the sliding roof by accident in this procedure.
- Perform the inspection from the inside of the vehicle.

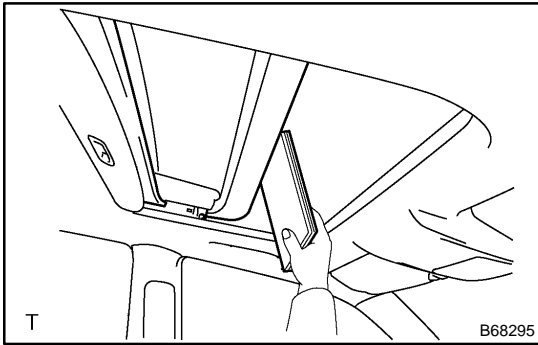
NOTICE:

- Do not use hand objects, such as a hammer, to avoid damage to the roof.
- If the jam protection does not operate, reset the sliding roof drive gear (motor).

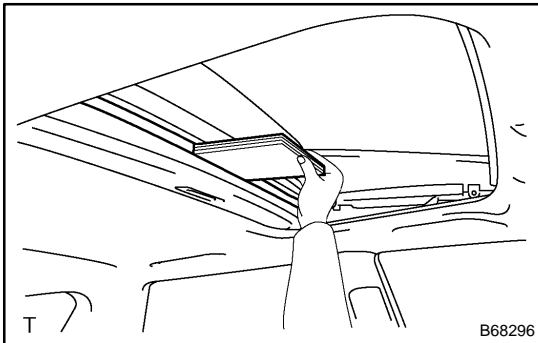
HINT:

The jam protection function operates in any of the following condition:

- AUTO operation
- MANUAL operation
- Sliding close or tiling down roof glass by AUTO operation after key-off operation



- (a) When the sliding roof auto operation is operating and an object is caught between the vehicle body and glass, check that the roof glass opens a distance of 115 mm (4.53 in.) from the point of contact with the object, or opens fully if an opening distance of 115 mm (4.53 in.) is not available (the maximum operation duration: 20 seconds).



- (b) When the TILT UP DOWN function is operating, and an object is caught between the vehicle body and the roof glass, check that the sliding roof tilts up fully, or tilts up for 2 seconds.
- (c) After the jam protection function operates, check that the roof glass closes fully by the manual operation when the TILT UP switch is pressed for 10 seconds or more.