

DIAGNOSTIC TROUBLE CODE CHART

Sliding Roof System

DTC No.	Detection Item	Trouble Area	See page
B2341	Sensor (Motor) Failure	1. Sliding Roof Drive Gear Sub-assembly (sliding roof ECU) 2. Overhead Junction Block (sliding roof control switch) 3. Wire Harness	RF-11
B2342	Switch Failure	1. Sliding Roof Drive Gear Sub-assembly (sliding roof ECU) 2. Overhead Junction Block (sliding roof control switch) 3. Wire Harness	RF-15
B2343	Position Initialization Incomplete	1. Sliding Roof Drive Gear Sub-assembly (sliding roof ECU) 2. Overhead Junction Block (sliding roof control switch) 3. Wire Harness	RF-19
B2344	Position Failure	1. Sliding Roof Drive Gear Sub-assembly (sliding roof ECU) 2. Overhead Junction Block (sliding roof control switch) 3. Wire Harness	RF-11

RF

ON-VEHICLE INSPECTION

HINT:

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

1. CHECK AUTO OPERATION

- (a) Turn the ignition switch ON.
- (b) When the roof glass is fully closed, press the SLIDE OPEN switch for 0.3 seconds or more. Check that the roof glass automatically slides until it is fully opened.
- (c) When the roof glass is fully tilted up, press the SLIDE OPEN switch for 0.3 seconds or more. Check that the roof glass automatically slides until it is fully tilted down.
- (d) When the roof glass is fully open, press the TILT UP switch for 0.3 seconds or more. Check that the roof glass automatically slides until it is fully closed.
- (e) When the roof glass is fully closed, press the TILT UP switch for 0.3 seconds or more. Check that the roof glass automatically slides until it is fully tilted up.
- (f) When the auto operation is operating, check that pressing any sliding roof control switch stops the roof glass operation.

2. CHECK SLIDING ROOF OPERATION AFTER IGNITION SWITCH IS TURNED OFF

- (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 45 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.

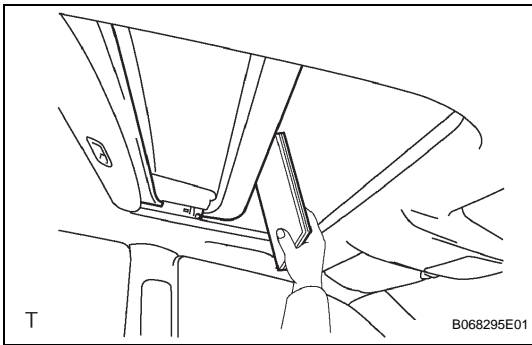
3. CHECK JAM PROTECTION FUNCTION

CAUTION:

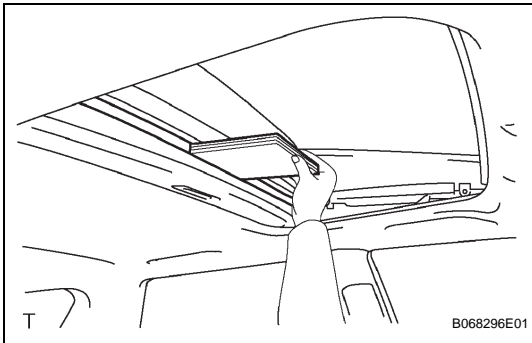
- Do not use a part of your body, for example, your hand, to check the jam protection.
- Do not allow anything to become caught in the sliding roof by accident in this procedure.
- Perform the inspection from the inside of the vehicle.

NOTICE:

- Do not use hard 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).



- (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 218 mm (8.58 in.) from the point of contact with the object, or opens fully if an opening distance of 218 mm (8.58 in.) is not available.



- (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.