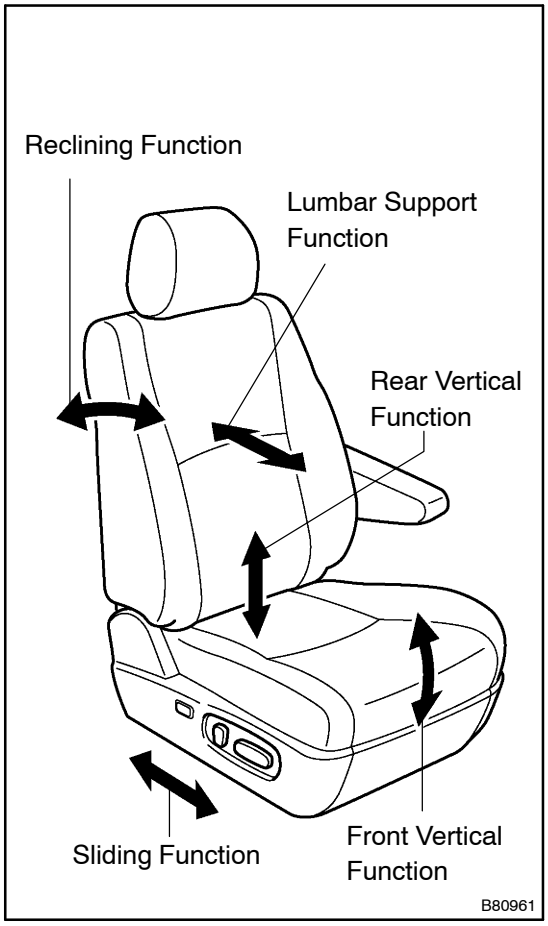
720ST–01

ON–VEHICLE INSPECTION



1. CHECK POWER SEAT FUNCTION

(a) Check the basic functions.

(1) Operate the power seat switches and check to make sure each seat function works:

- Sliding
- Front vertical (driver's seat only)
- Rear vertical (driver's seat only)
- Reclining
- Lumbar support (driver's seat only)

2. CHECK POWER SEAT MOTOR ASSY (SLIDING, FRONT VERTICAL, REAR VERTICAL AND RECLINING FUNCTIONS)

HINT:

The front vertical function and rear vertical function are only available for the driver's seat.

(a) Check the PTC operation inside the power seat motor.

HINT:

The PTC thermistor's resistance increases when the power seat switch is held down even after the power seat has been moved to the maximum in one direction. After the resistance increases, current is shut off to prevent a short circuit.

NOTICE:

Perform steps (1) to (4) for the full range of motion for each power seat function.

(1) Choose a power seat function. Operate the power seat switch and move the seat to the maximum in one direction. Keep the seat in that position for approximately 60 seconds.

(2) Operate the power seat switch again and continue to try to move the seat in the same direction as in step (1). Measure the amount of time elapsed before the electrical current is automatically cut. Check if electrical current has shut off by making sure the sound of the motor has stopped.

Standard: 4 to 90 seconds

(3) After the current has stopped, release the power seat switch and wait for approximately 60 seconds.

(4) Operate the same power seat switch and move the seat to the opposite extreme of the direction in step (1). Check that the motor operates.

(5) Repeat steps (1) to (4) for the remaining power seat functions.

3. Driver's seat only:

CHECK LUMBAR SUPPORT ADJUSTER ASSY RH

(a) Check the PTC operation inside the power seat motor.

NOTICE:

The inspection should be performed with the seat installed in the vehicle.

(1) Operate the lumbar support switch and move the lumbar support to either the foremost or rearmost position. Keep the seat in that position for approximately 60 seconds.

(2) Operate the lumbar support switch again and continue to try to move the lumbar support in the same direction as in step (1). Measure the amount of time elapsed before the electrical current is automatically cut. Check if electrical current has shut off by making sure the sound of the motor has stopped.

Standard: 4 to 90 seconds

(3) After the current has stopped, release the lumbar support switch and wait for approximately 60 seconds.

(4) Operate the lumbar support switch and move the seat to the opposite extreme of the direction in step (1). Check that the motor operates.