ON-VEHICLE INSPECTION

1. CHECK POWER SEAT FUNCTION
   (a) Check the basic functions.
   (1) Operate the power seat switches and check that the following seat functions work:
      • Sliding
      • Front vertical (Driver side seat only)
      • Lifter (Driver side seat only)
      • Reclining
      • Lumbar support (Driver side seat only)

2. CHECK POWER SEAT MOTOR ASSY
   (SLIDING, FRONT VERTICAL, REAR VERTICAL AND RECLINING FUNCTIONS)
   (a) Check 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 the 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. CHECK LUMBAR SUPPORT ADJUSTER ASSY LH
   (a) Inspect PTC operation inside the power seat motor.

**NOTICE:**

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

1. Move the lumbar support to either the foremost or rearmost position by operating the lumbar support switch, and hold it there for approx. 60 seconds.

2. Try to move the lumbar support past the maximum position using the switch and measure the time until the electrical current is shut off (motor operation sound will stop, inspection of current shut-off).

**Standard: 4 to 90 seconds**

3. Turn off the lumbar support switch after the inspection of current shut-off, and keep that condition for approx. 60 seconds.

4. Operate the lumbar support switch to move the lumbar support to the opposite position and check that the motor operates.