

## INSPECTION

### 1. INSPECT DRIVER'S POWER SEAT SWITCH CONTINUITY

#### Slide Switch:

Switch position	Tester connection	Specified condition
FRONT	1 – 7 2 – 12	Continuity
OFF	1 – 12 2 – 12	Continuity
BACK	1 – 12 2 – 7	Continuity

#### Front Vertical Switch:

Switch position	Tester connection	Specified condition
UP	4 – 6 5 – 7	Continuity
OFF	4 – 5 4 – 6	Continuity
DOWN	4 – 5 6 – 7	Continuity

#### Rear Vertical Switch:

Switch position	Tester connection	Specified condition
UP	3 – 8 7 – 9	Continuity
OFF	3 – 8 3 – 9	Continuity
DOWN	3 – 9 7 – 8	Continuity

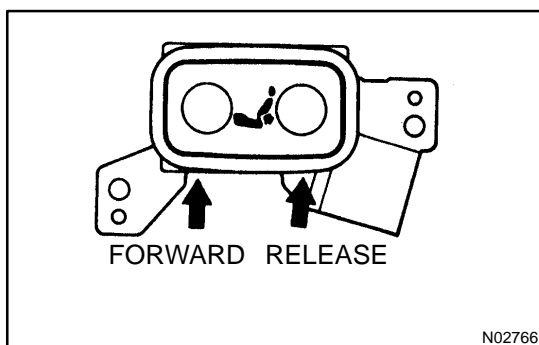
#### Reclining Switch:

Switch position	Tester connection	Specified condition
FORWARD	3 – 12 4 – 7	Continuity
OFF	3 – 12 4 – 12	Continuity
REAR	3 – 7 4 – 12	Continuity

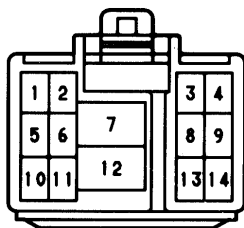
#### Lumbar Support Switch:

Switch position	Tester connection	Specified condition
FORWARD	7 – 11 10 – 12	Continuity
OFF	10 – 12 11 – 12	Continuity
RELEASE	7 – 10 11 – 12	Continuity

If continuity is not as specified, replace the switch.



## Wire Harness Side



Z12095

**2. INSPECT DRIVER'S POWER SEAT SWITCH CIRCUIT**

- (a) Disconnect the switch connector and connect the seat wire harness to the floor wire harness.
- (b) Inspect the connector on the wire harness side, as shown.

Tester connection	Condition	Specified condition
12 – Ground	Constant	Continuity
7 – Ground	Constant	Battery positive voltage

If the circuit is not as specified, inspect the circuits connected to other parts.

**3. INSPECT PASSENGER'S POWER SEAT SWITCH CONTINUITY****Slide Switch:**

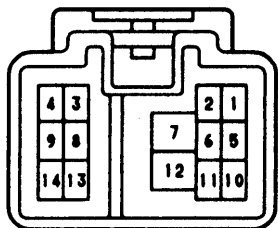
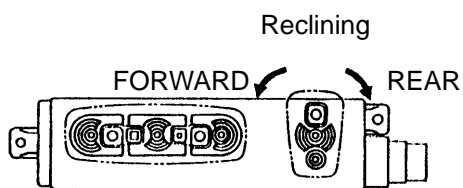
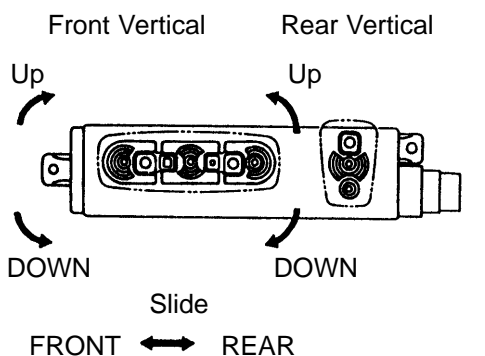
Switch position	Tester connection	Specified condition
FRONT	1 – 7 2 – 12	Continuity
OFF	1 – 12 2 – 12	Continuity
BACK	1 – 12 2 – 7	Continuity

**Front Vertical Switch:**

Switch position	Tester connection	Specified condition
UP	4 – 6 5 – 7	Continuity
OFF	4 – 5 4 – 6	Continuity
DOWN	4 – 5 6 – 7	Continuity

**Rear Vertical Switch:**

Switch position	Tester connection	Specified condition
UP	3 – 8 7 – 9	Continuity
OFF	3 – 8 3 – 9	Continuity
DOWN	3 – 9 7 – 8	Continuity

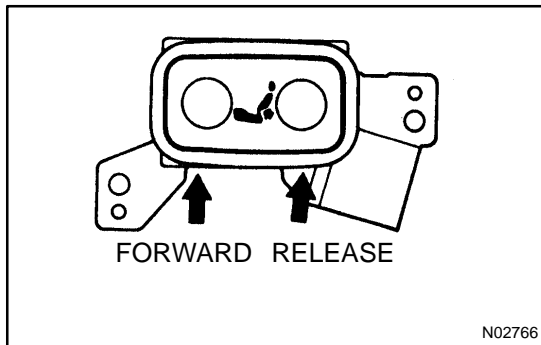


N02765  
N02765  
e-14-2

Z12172

### Reclining Switch:

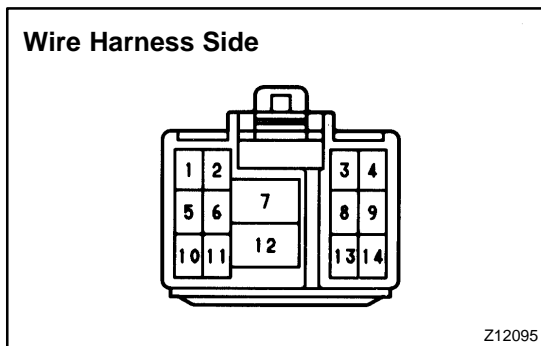
Switch position	Tester connection	Specified condition
FORWARD	3 – 12 4 – 7	Continuity
OFF	3 – 12 4 – 12	Continuity
REAR	3 – 7 4 – 12	Continuity



### Lumbar Support Switch:

Switch position	Tester connection	Specified condition
FORWARD	7 – 11 10 – 12	Continuity
OFF	10 – 12 11 – 12	Continuity
RELEASE	7 – 10 11 – 12	Continuity

If continuity is not as specified, replace the switch.

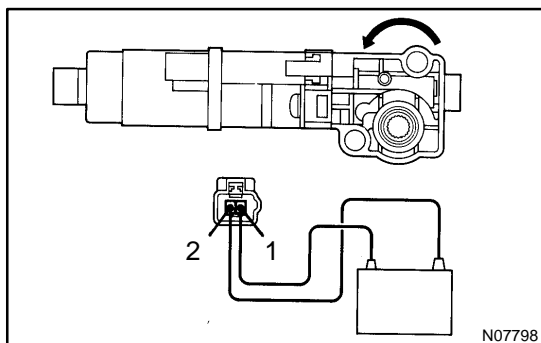


### 4. INSPECT PASSENGER'S POWER SEAT SWITCH CIRCUIT

- Disconnect the switch connector and connect the seat wire harness to the floor wire harness.
- Inspect the connector on the wire harness side, as shown.

Tester connection	Condition	Specified condition
12 – Ground	Constant	Continuity
7 – Ground	Constant	Battery positive voltage

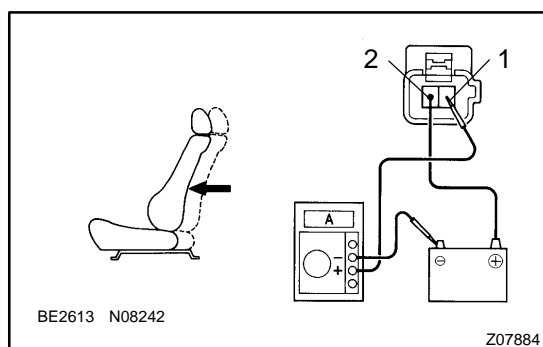
If the circuit is not as specified, inspect the circuits connected to other parts.



### 5. INSPECT SLIDE MOTOR OPERATION

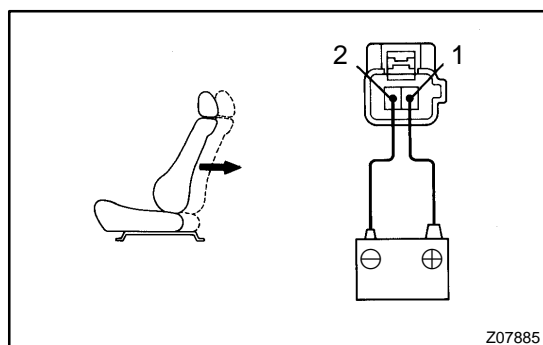
- Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1, check that the motor turns counterclockwise.
- Reverse the polarity, check that the motor turns clockwise.

If operation is not as specified, replace the motor.



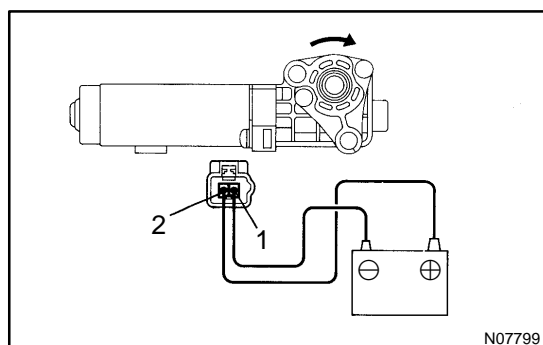
#### 6. Driver's seat: INSPECT SLIDE MOTOR PTC THERMISTOR OPERATION

- Connect the positive (+) lead from the battery to terminal 2, the positive (+) lead from the ammeter to terminal 1, and the negative (–) lead to battery negative (–) terminal, and move the seat front end position.
- Continue to apply voltage, check the current changes to less than 1 ampere within 4 to 90 seconds.



- Disconnect the lead from terminals.
- Approximately 60 seconds later, connect the positive (+) lead from battery to terminal 1 and the negative (–) lead to terminal 2, check that the seat begins to move back-wards.

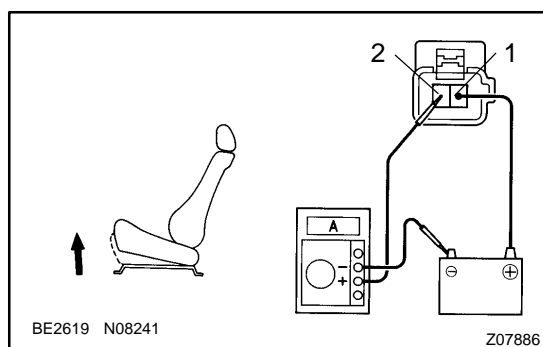
If operation is not as specified, replace the motor.



#### 7. INSPECT FRONT VERTICAL MOTOR OPERATION

- Connect the positive (+) lead from the battery to terminal 2 and the negative (–) lead to terminal 1, check that the motor turns clockwise.
- Reverse the polarity, check that the motor turns counter clockwise.

If operation is not as specified, replace the motor.



#### 8. Driver's Seat: INSPECT FRONT VERTICAL MOTOR PTC THERMISTOR OPERATION

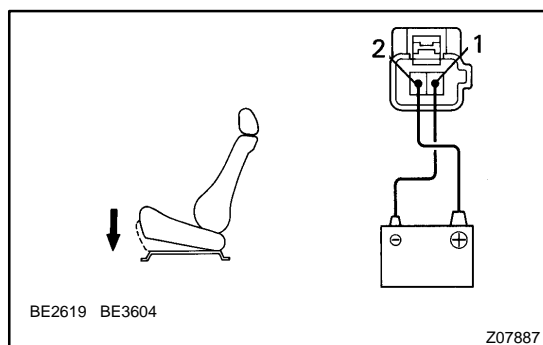
- Connect the positive (+) lead from the battery to terminal 1, the positive (+) lead from the ammeter to terminal 2 and the negative (–) lead to battery negative (–) terminal, and move the front edge of seat cushion to the highest position.

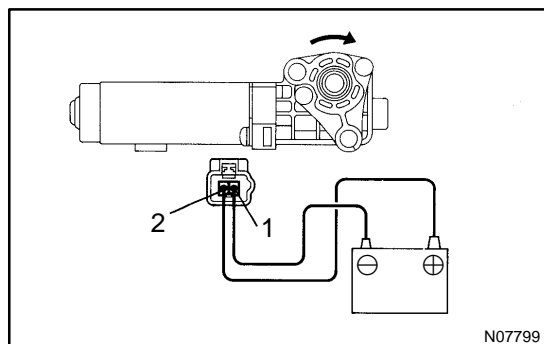
- Continue to apply voltage, check the current changes to less than 1 ampere within 4 to 90 seconds.

- Disconnect the leads from terminals.

- Approximately 60 seconds later, connect the positive (+) lead from battery to terminal 2 and the negative (–) lead to terminal 1, check that the seat cushion begins to descend.

If operation is not as specified, replace the motor.

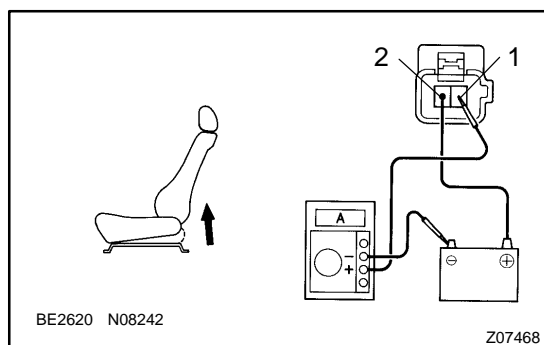




## 9. INSPECT REAR VERTICAL MOTOR OPERATION

- Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1, check that the motor turns clockwise.
- Reverse the polarity, check that the motor turns counter-clockwise.

If operation is not as specified, replace the motor.

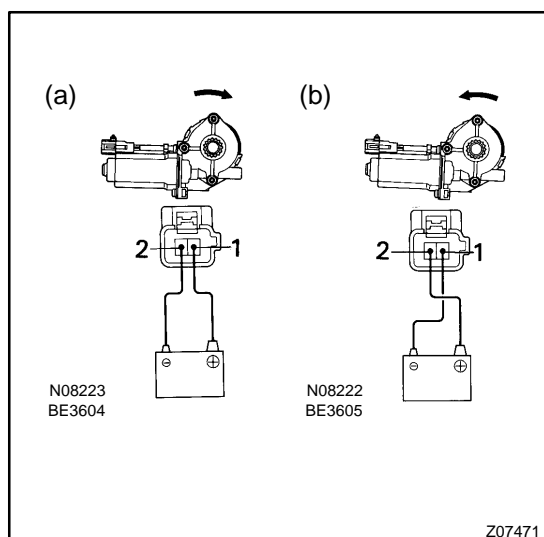
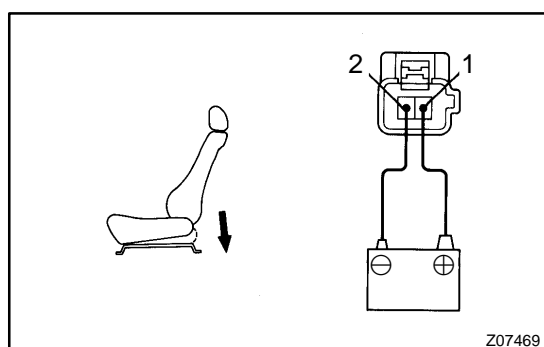


## 10. Driver's seat:

### INSPECT REAR VERTICAL MOTOR PTC THERMISTOR OPERATION

- Connect the positive (+) lead from the battery to terminal 2, the positive (+) lead from the ammeter to terminal 1 and the negative (-) lead to battery negative (-) terminal, and move the rear edge of seat cushion to the highest position.
- Continue to apply voltage, check the current changes to less than 1 ampere within 4 to 90 seconds.
- Disconnect the leads from terminals.
- Approximately 60 seconds later, connect the positive (+) lead from battery to terminal 1 and the negative (-) lead to terminal 2, check that the seat cushion begins to descend.

If operation is not as specified, replace the motor.

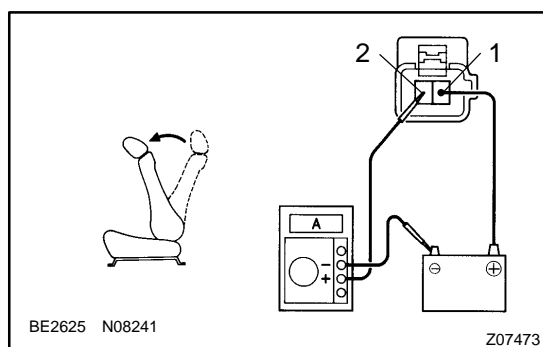


## 11. Driver's Seat:

### INSPECT RECLINING MOTOR OPERATION

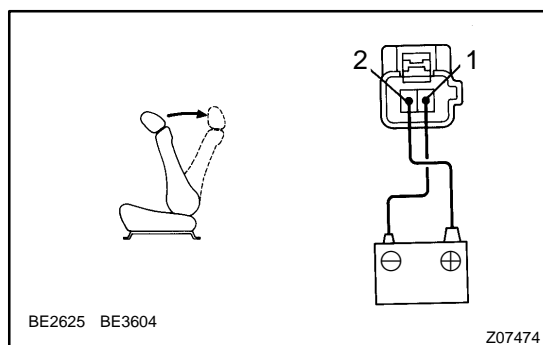
- Connect the positive (+) lead from the battery to terminal 2 and negative (-) lead to terminal 1 and check that the motor turns counterclockwise.
- Reverse the polarity, check that the motor turns clockwise.

If operation is not as specified, replace the motor.



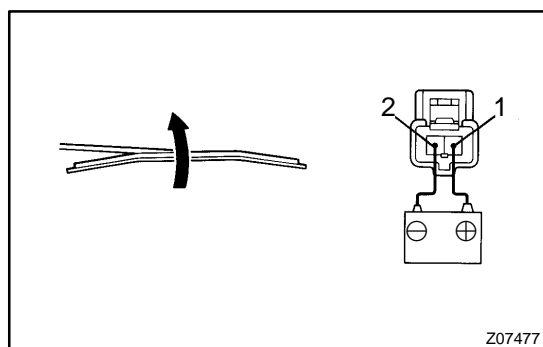
## 12. Driver's Seat: INSPECT RECLINING MOTOR PTC THERMISTOR OPERATION

- Connect the positive (+) lead from the battery to terminal 1, the positive (+) lead from the ammeter to terminal 2 and the negative (–) lead to battery negative (–) terminal, and recline the seat back to the most forward position.
- Continue to apply voltage, check the current change to less than 1 ampere within 4 to 90 seconds.



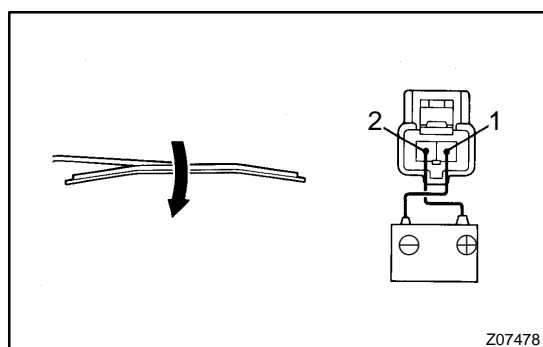
- Disconnect the lead from terminals.
- Approximately 60 seconds later, connect the positive (+) lead from battery to terminal 2 and the negative (–) lead to terminal 1, check that the seat back starts to fall back-wards.

If operation is not as specified, replace the motor.



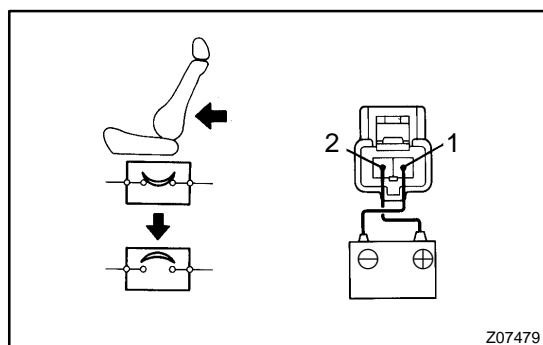
## 13. INSPECT LUMBAR SUPPORT MOTOR OPERATION

- Connect the positive (+) lead from the battery to terminal 1 and the negative (–) lead to terminal 2, check that the lumbar support moves backward.



- Reverse the polarity, check that the lumbar support moves forward.

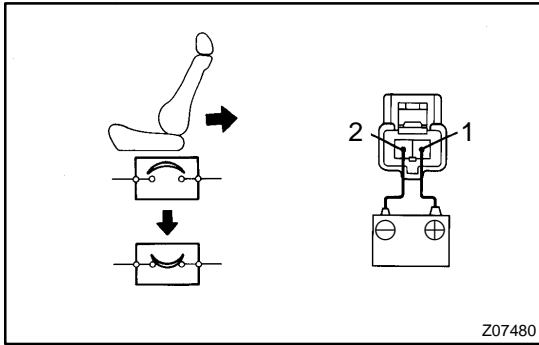
If operation is not as specified, replace the motor.



## 14. INSPECT LUMBAR SUPPORT MOTOR CIRCUIT BREAKER OPERATION

- Connect the positive (+) lead from the battery to terminal 1 and the negative (–) lead to terminal on the lumbar support motor connector and move the lumbar support to front end position.

Seat	Battery positive lead	Battery negative lead
Driver's	Terminal 2	Terminal 1



- (b) Continue to apply voltage, check that there is a circuit breaker operation noise within 4 to 60 seconds.
- (c) Reverse the polarity check that the lumbar support begins to move release side within approximately 60 seconds. If operation is not as specified, replace the motor.