

I01913

INSPECTION

1. INSPECT LEFT SIDE POWER SEAT SWITCH CONTINUITY

Slide Switch:

Switch position	Tester connection	Specified condition
FRONT	4 - 7 8 - 11	Continuity
OFF	4 - 7 - 8	Continuity
BACK	4 - 11 7 - 8	Continuity

Front vertical switch:

Switch position	Tester connection	Specified condition
UP	7 - 9 10 - 11	Continuity
OFF	7 - 9 - 10	Continuity
DOWN	7 - 10 9 - 11	Continuity

Lifter switch:

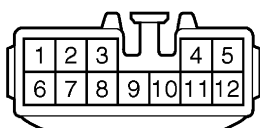
Switch position	Tester connection	Specified condition
UP	2 - 11 3 - 7	Continuity
OFF	2 - 3 - 7	Continuity
DOWN	2 - 7 3 - 11	Continuity

Reclining switch:

Switch position	Tester connection	Specified condition
FORWARD	1 - 11 5 - 7	Continuity
OFF	1 - 5 - 7	Continuity
REAR	1 - 7 5 - 11	Continuity

If continuity is not as specified, replace the switch.

Wire Harness Side



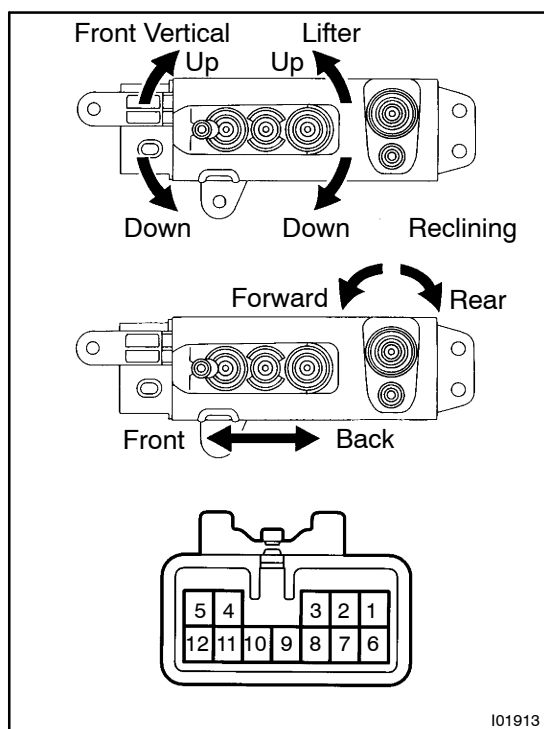
I07173

2. INSPECT LEFT SIDE 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.

Tester connection	Condition	Specified condition
12 - Ground	Constant	Continuity

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



3. INSPECT RIGHT SIDE POWER SEAT SWITCH CONTINUITY

Slide switch:

Switch position	Tester connection	Specified condition
FRONT	4 - 7 8 - 11	Continuity
OFF	4 - 7 - 8	Continuity
BACK	4 - 11 7 - 8	Continuity

Front vertical switch:

Switch position	Tester connection	Specified condition
UP	7 - 10 9 - 11	Continuity
OFF	7 - 9 - 10	Continuity
DOWN	6 - 9 10 - 11	Continuity

Lifter switch:

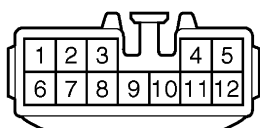
Switch position	Tester connection	Specified condition
UP	2 - 7 3 - 11	Continuity
OFF	2 - 3 - 7	Continuity
DOWN	2 - 11 3 - 7	Continuity

Reclining switch:

Switch position	Tester connection	Specified condition
FORWARD	1 - 11 5 - 7	Continuity
OFF	1 - 5 - 7	Continuity
REAR	1 - 7 5 - 11	Continuity

If continuity is not as specified, replace the switch.

Wire Harness Side

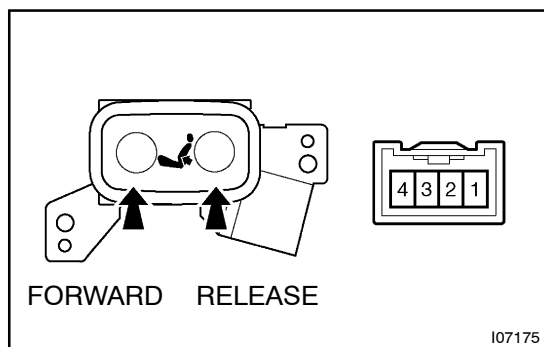


4. INSPECT RIGHT SIDE SEAT SWITCH CIRCUIT

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

Tester connection	Condition	Specified condition
6 - Ground	Constant	Continuity
12 - Ground	Constant	Battery voltage

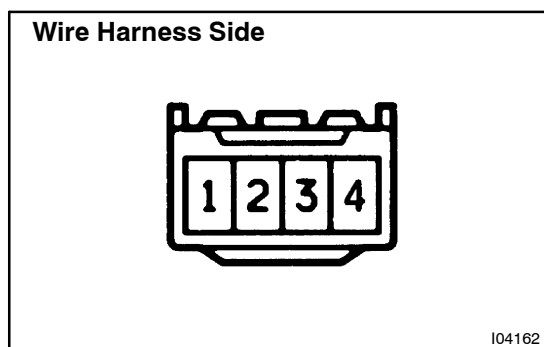
If circuit is not as specified, inspect the circuits connected to other parts.



**5. LHD Models :
INSPECT DRIVER'S LUMBAR SUPPORT SWITCH
CONTINUITY**

Switch position	Tester connection	Specified condition
FORWARD	1 - 4 2 - 3	Continuity
OFF	1 - 2 - 3	Continuity
RELEASE	1 - 3 2 - 4	Continuity

If continuity is not as specified, replace the switch.

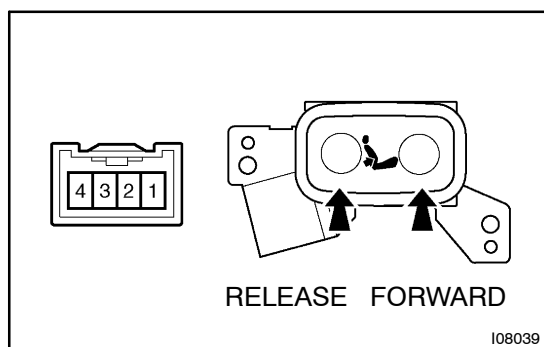


**6. LHD Models :
INSPECT DRIVER'S LUMBAR SUPPORT SWITCH
CIRCUIT**

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

Tester connection	Condition	Specified condition
3 - Ground	Constant	Continuity
4 - Ground	Constant	Battery voltage

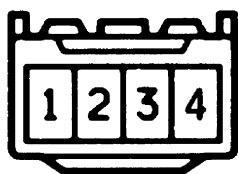
If circuit is not as specified, inspect the circuits connected to other parts.



**7. RHD Models :
INSPECT DRIVER'S LUMBAR SUPPORT SWITCH
CONTINUITY**

Switch position	Tester connection	Specified condition
FORWARD	1 - 4 2 - 3	Continuity
OFF	2 - 4 - 3	Continuity
RELEASE	1 - 3 2 - 4	Continuity

If continuity is not as specified, replace the switch.

Wire Harness Side

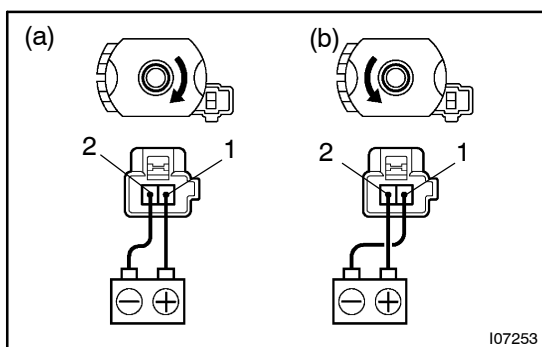
I04162

8. RHD Models :**INSPECT DRIVER'S LUMBAR SUPPORT 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.

Tester connection	Condition	Specified condition
2 - Ground	Constant	Continuity
1 - Ground	Constant	Battery voltage

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

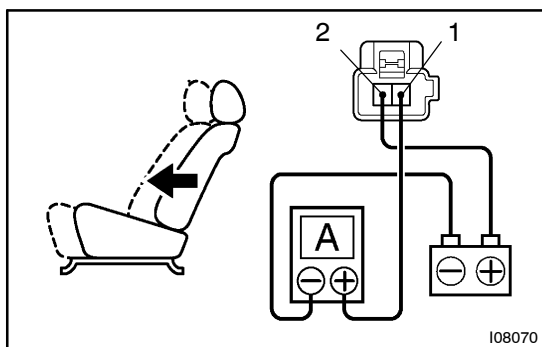


I07253

9. INSPECT SLIDE MOTOR OPERATION

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

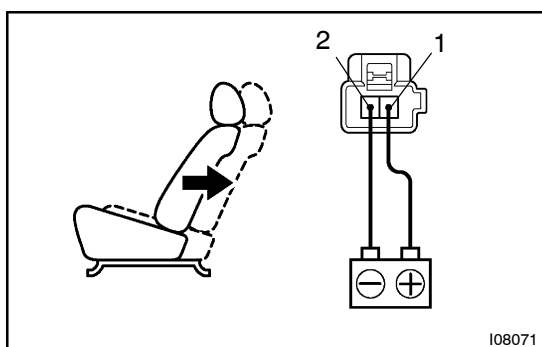
If operation is not as specified, replace the seat adjuster.



I08070

10. INSPECT SLIDE MOTOR PTC THERMISTOR OPERATION**(): Right side seat**

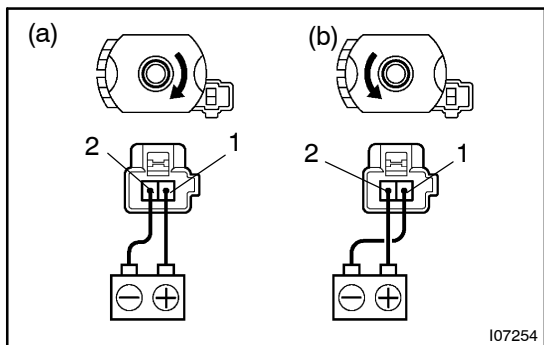
- (a) Connect the positive (+) lead from the battery to terminal 2 (1), the positive (+) lead from the ammeter to terminal 1 (2) and the negative (-) lead to the battery negative (-) terminal, then move the seat cushion to the front position.
- (b) Continue to apply voltage, check that current changes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



I08071

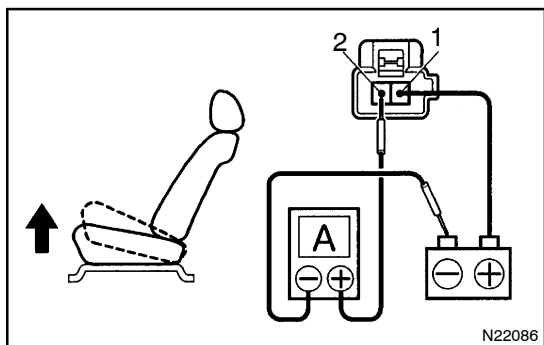
- (c) Disconnect the leads from terminals.
- (d) Approximately 60 seconds later, connect the positive (+) lead from the battery to terminal 1 (2) and the negative (-) lead to terminal 2 (1), check that the seat cushion begins to move backwards.

If operation is not as specified, replace the seat adjuster.

**11. INSPECT FRONT VERTICAL MOTOR OPERATION**

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

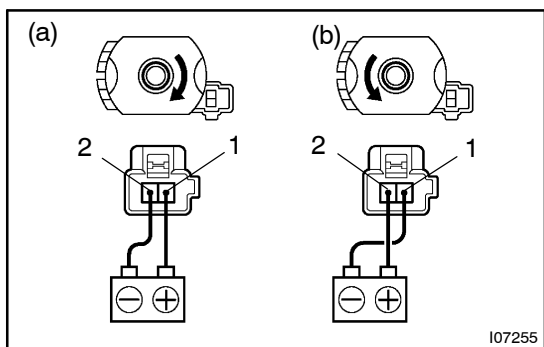
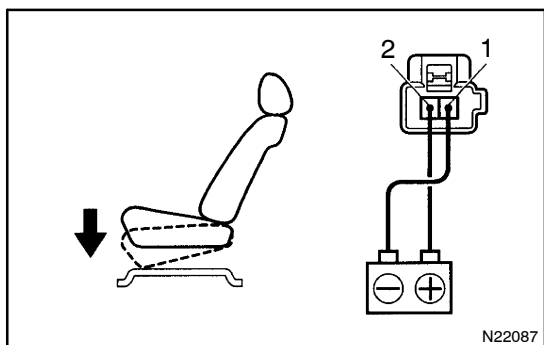
If operation is not as specified, replace the seat adjuster.

**12. INSPECT FRONT VERTICAL MOTOR PTC THERMISTOR OPERATION**

(): Right side seat

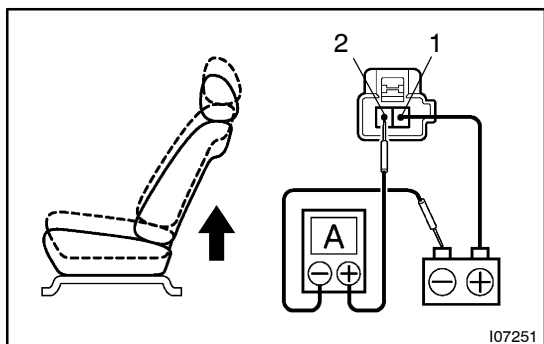
- Connect the positive (+) lead from the battery to terminal 1 (2), the positive (+) lead from the ammeter to terminal 2 (1) and the negative (-) lead to the battery negative (-) terminal, then move the seat cushion to the highest position.
- Continue to apply voltage, check that the current changes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

If operation is not as specified, replace the seat adjuster.

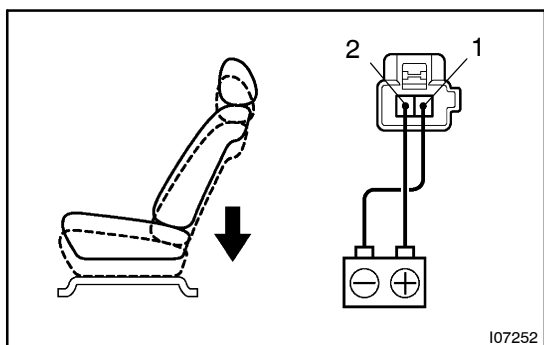
**13. INSPECT LIFTER MOTOR OPERATION**

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

If operation is not as specified, replace the seat adjuster.

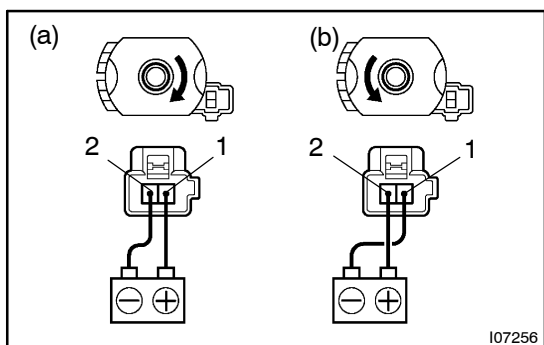
**14. INSPECT LIFTER MOTOR PTC THERMISTOR OPERATION**

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



- (c) Disconnect the leads from the terminals.
- (d) Approximately 60 seconds later, connect the positive (+) lead from the battery to terminal 2 (1) and the negative (-) lead to terminal 1 (2), check that the seat begins to descend.

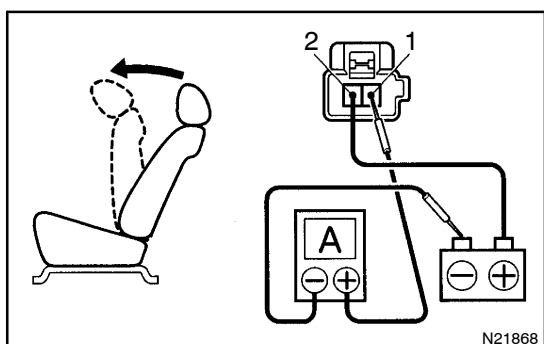
If operation is not as specified, replace the seat adjuster.



15. INSPECT RECLINING MOTOR OPERATION

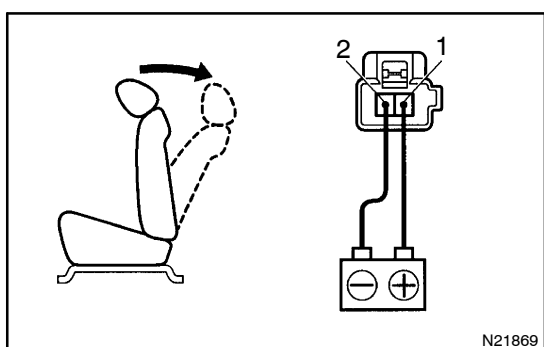
- (a) Connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2, check that the motor turns clockwise.
- (b) Reverse the polarity, check that the motor turns counter-clockwise.

If operation is not as specified, replace the seat adjuster.



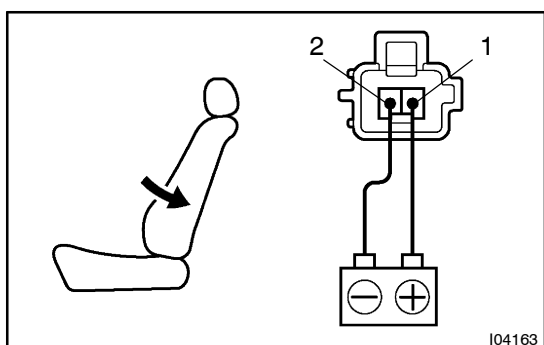
16. INSPECT RECLINING MOTOR PTC THERMISTOR OPERATION

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



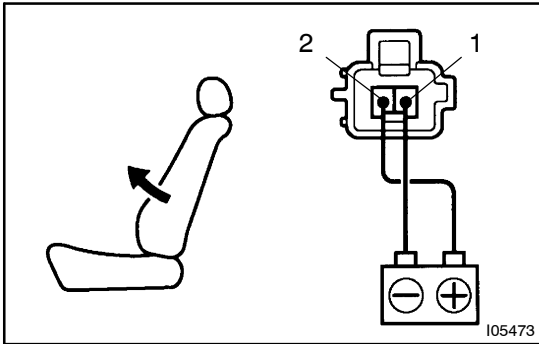
- (c) Disconnect the leads from the terminals.
- (d) Approximately 60 seconds later, connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2, check that the seat back begins to fall backward.

If operation is not as specified, replace the seat adjuster.



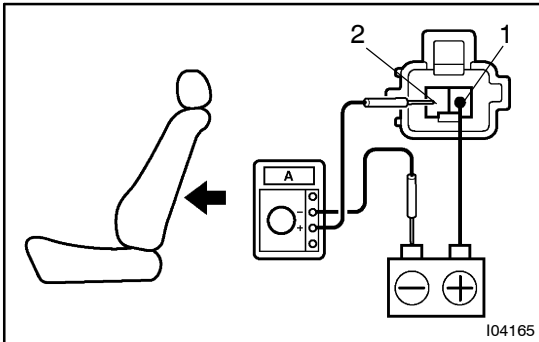
17. INSPECT LUMBAR SUPPORT MOTOR OPERATION

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



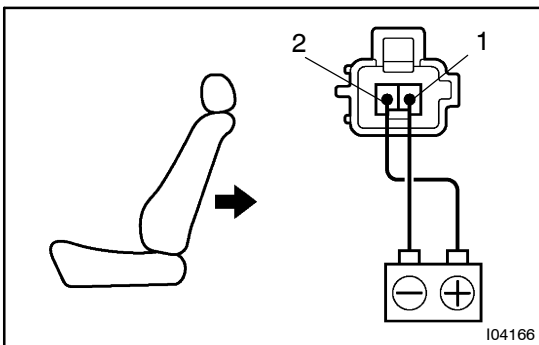
- (b) Reverse the polarity, check that the lumbar support moves forward.

If operation is not as specified, replace the seat adjuster.



18. INSPECT LUMBAR SUPPORT MOTOR CIRCUIT BREAKER OPERATION

- (a) Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1 on the lumbar support motor connector and move the lumbar support to front end position.



- (b) Continue to apply voltage, check that a circuit breaker operation noise can be heard within 4 to 60 seconds.
- (c) Reverse the polarity, check that the lumbar support begins to move release side with in approximately 60 seconds.

If operation is not as specified, replace the motor.