

INSPECTION

1. INSPECT FRONT POWER SEAT SWITCH CONTINUITY

Slide switch

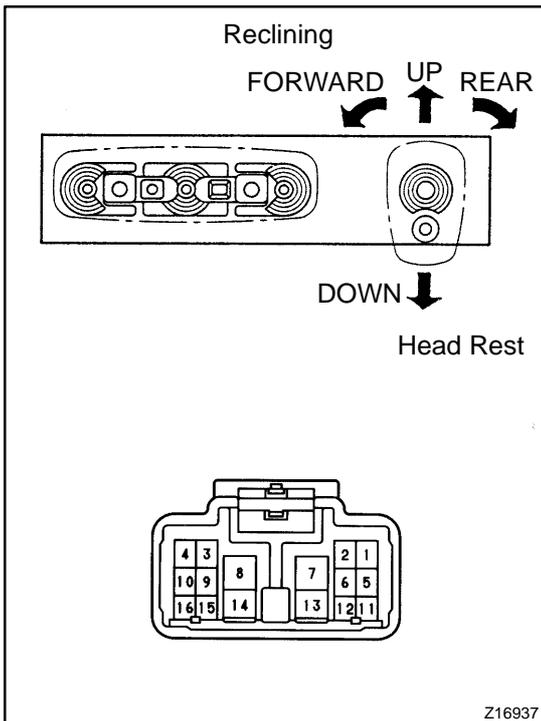
Switch position	Tester connection	Specified condition
FRONT	11 – 14	Continuity
	12 – 13	
OFF	11 – 13	Continuity
	12 – 13	
BACK	11 – 13	Continuity
	12 – 14	

Front vertical switch

Switch position	Tester connection	Specified condition
UP	9 – 14	Continuity
	10 – 13	
OFF	9 – 13	Continuity
	10 – 13	
DOWN	9 – 13	Continuity
	10 – 14	

Rear vertical switch

Switch position	Tester connection	Specified condition
UP	5 – 14	Continuity
	6 – 13	
OFF	5 – 13	Continuity
	6 – 13	
DOWN	5 – 13	Continuity
	6 – 14	



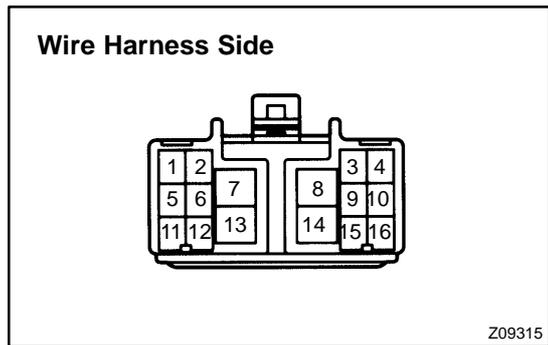
Reclining switch

Switch position	Tester connection	Specified condition
FORWARD	4 – 14	Continuity
	3 – 13	
OFF	4 – 13	Continuity
	3 – 13	
REAR	4 – 13	Continuity
	3 – 14	

Headrest switch

Switch position	Tester connection	Specified condition
UP	14 – 15	Continuity
	13 – 16	
OFF	13 – 15	Continuity
	13 – 16	
DOWN	13 – 15	Continuity
	14 – 16	

If continuity is not as specified, replace the switch.

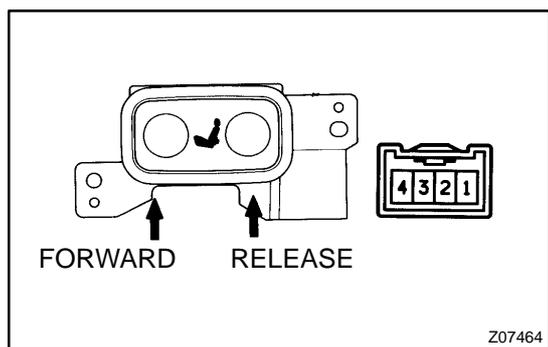


2. INSPECT POWER SEAT SWITCH CIRCUIT

- (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
13 – Ground	Constant	Continuity
14 – Ground	Constant	Battery positive voltage

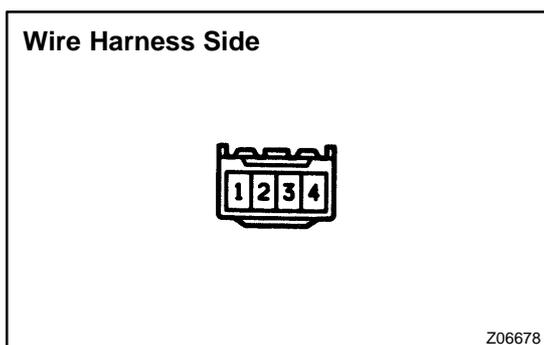
If circuit is not as specified, inspect the circuits connected to other parts.



3. INSPECT LUMBAR SUPPORT SWITCH CONTINUITY (): Passenger's Seat

Switch position	Tester connection	Specified condition
FORWARD	1(1) – 4(4) 2(2) – 3(3)	Continuity
OFF	1(2) – 3(3) 2(2) – 3(4)	Continuity
RELEASE	1(1) – 3(3) 2(2) – 4(4)	Continuity

If continuity is not as specified, replace the switch.

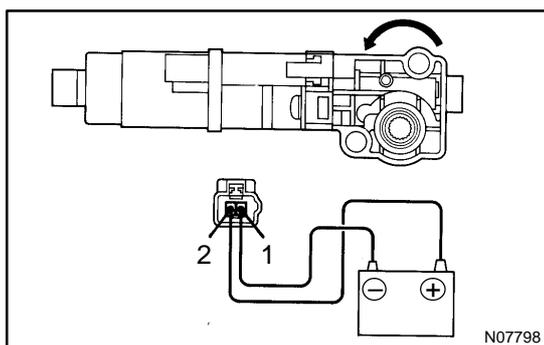


- 4. INSPECT LUMBAR SUPPORT SWITCH CIRCUIT**
- Disconnect the switch connector and connect the seat wire harness to the floor wire harness.
 - Inspect the connector on the wire harness side, as shown.

(): Passenger's Seat

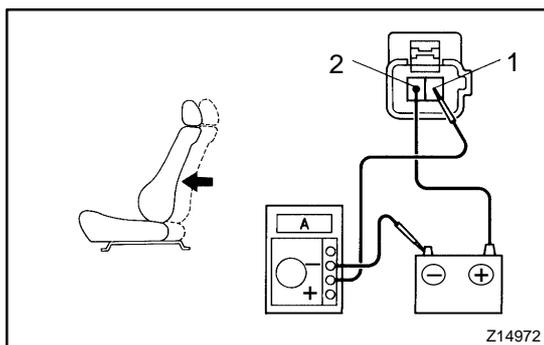
Tester connection	Condition	Specified condition
3 – Ground (2 – Ground)	Constant	Continuity
4 – Ground (1 – Ground)	Constant	Battery positive voltage

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



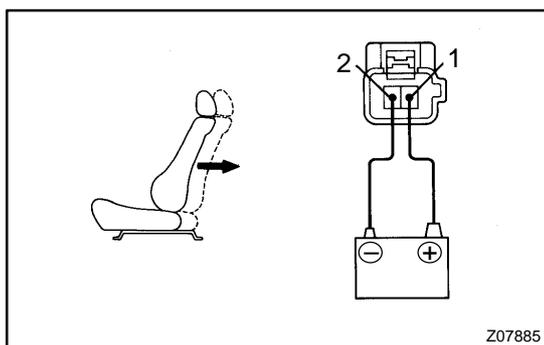
- 5. INSPECT SLIDE MOTOR OPERATION**
- Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1 and check that the motor turns counterclockwise.
 - Reverse the polarity and check that the motor turns clockwise.

If operation is not as specified, replace the motor.



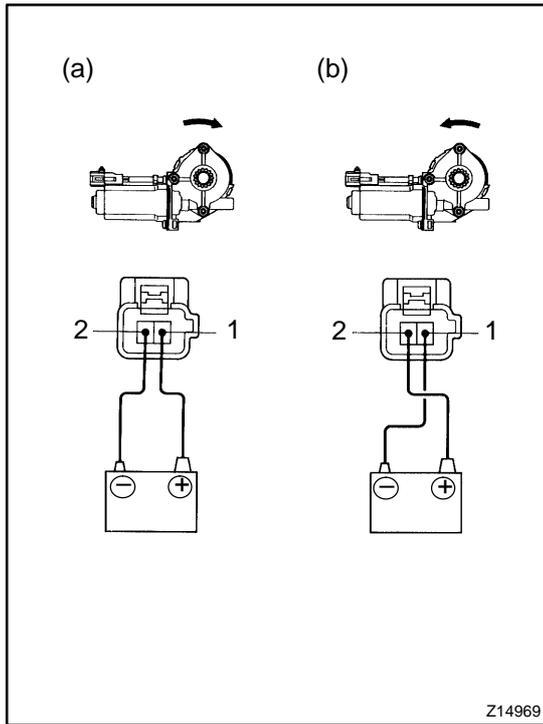
- 6. Driver's seat:**
INSPECT SLIDE MOTOR PTC THERMISTOR OPERATION

- 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, then move the seat to front position.
- Continue to apply voltage and check that the current changes to less than 1 ampere with 4 to 90 seconds.

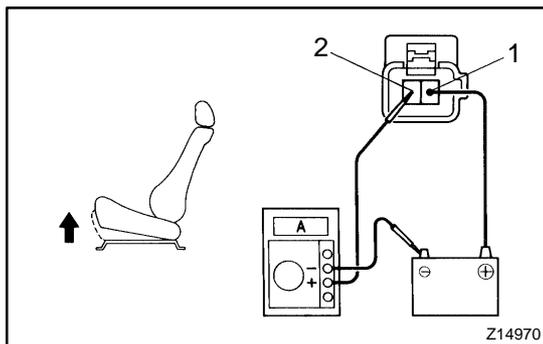


- Disconnect the lead from terminals.
- Approximately 60 seconds later, connect the positive (+) lead from battery to terminal 1 and the negative (-) lead to terminal 2 and check that the seat begins to move backwards.

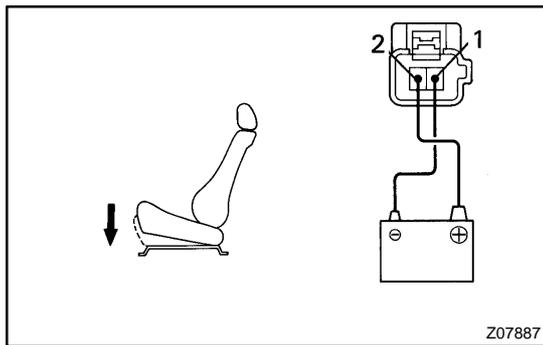
If operation is not as specified, replace the motor.



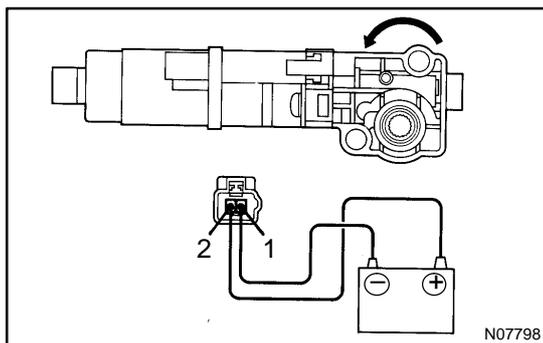
- 7. INSPECT FRONT VERTICAL MOTOR OPERATION**
- (a) Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1 and check that the motor turns clockwise.
 - (b) Reverse the polarity and check that the motor turns counterclockwise.
- If operation is not as specified, replace the motor.



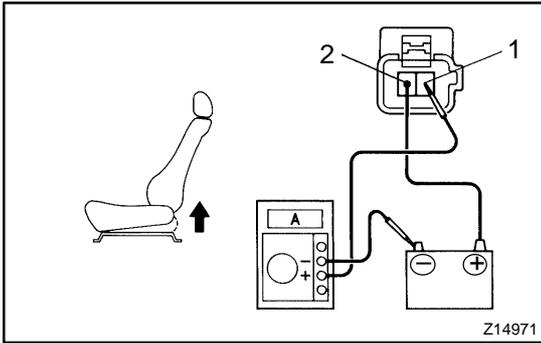
- 8. Driver's Seat: INSPECT FRONT VERTICAL MOTOR PTC THERMISTOR OPERATION**
- (a) Connect the positive (+) lead from the battery to terminal 1, the positive (+) lead from the ammeter to terminal 2 and the negative (-) lead to battery negative (-) terminal, then move the front edge of seat cushion to the highest position.
 - (b) Continue to apply voltage, and check the current changes to less than 1 ampere with 4 to 90 seconds.
 - (c) Disconnect the leads from terminals.
 - (d) Approximately 60 seconds later, connect the positive (+) lead from battery to terminal 2 and the negative (-) lead to terminal 1, and check that the seat cushion begins to descend.



If operation is not as specified, replace the motor.



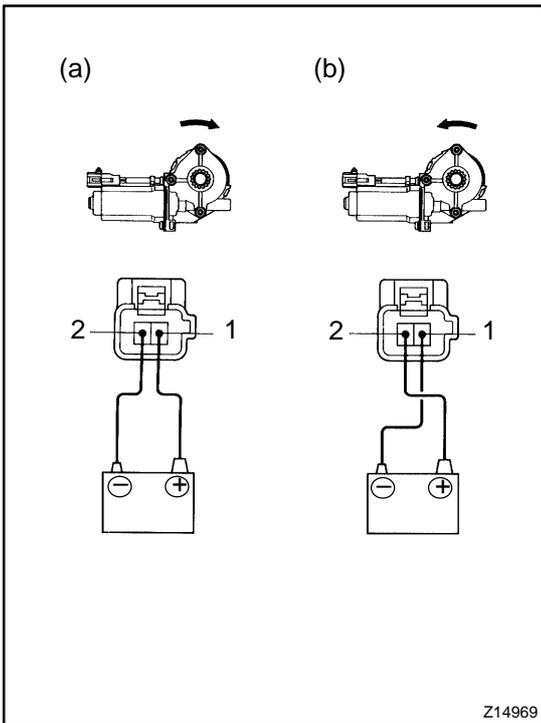
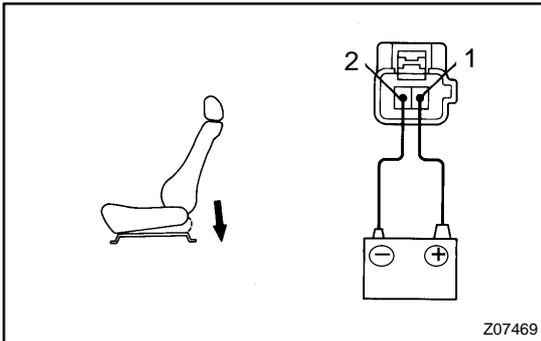
- 9. INSPECT REAR VERTICAL MOTOR OPERATION**
- (a) Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1, and check that the motor turns clockwise.
 - (b) Reverse the polarity, and check that the motor turns counterclockwise.
- If operation is not as specified, replace the motor.



**10. Driver's seat:
INSPECT REAR VERTICAL 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 battery negative (-) terminal, then move the rear edge of seat cushion to the highest position.
- (b) Continue to apply voltage, and check that the current changes to less than 1 ampere with 4 to 90 seconds.
- (c) Disconnect the leads from terminals.
- (d) Approximately 60 seconds later, connect the positive (+) lead from battery to terminal 1 and the negative (-) lead to terminal 2, and check that the seat cushion begins to descend.

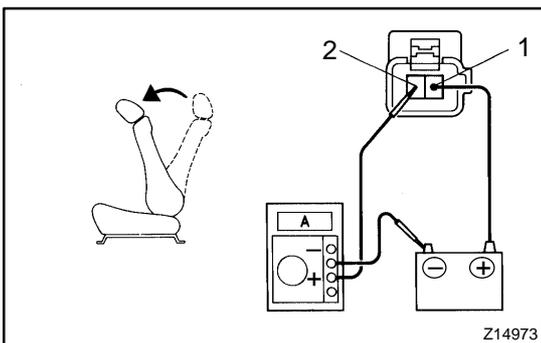
If operation is not as specified, replace the motor.



**11. Driver's Seat:
INSPECT RECLINING MOTOR OPERATION**

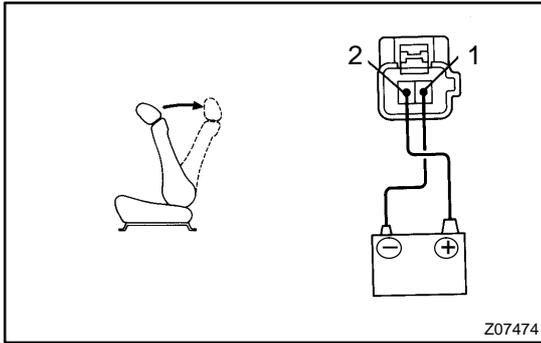
- (a) Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1, and check that the motor turns counterclockwise.
- (b) Reverse the polarity, and check that the motor turns clockwise.

If operation is not as specified, replace the motor.



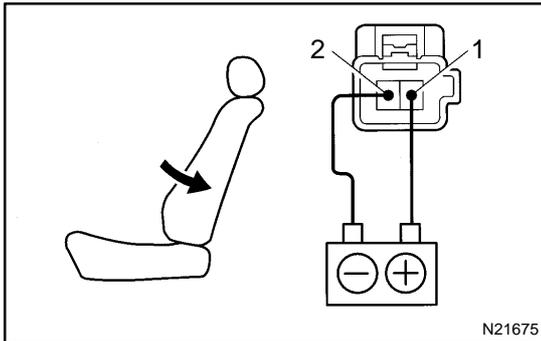
**12. Driver's Seat:
INSPECT RECLINING MOTOR PTC THERMISTOR OPERATION**

- (a) 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, then recline the seat back to the most forward position.
- (b) Continue to apply voltage, and check that the current change to less than 1 ampere with 4 to 90 seconds.



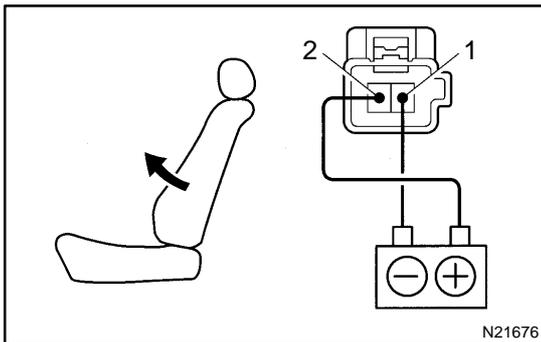
- (c) Disconnect the lead from terminals.
- (d) Approximately 60 seconds later, connect the positive (+) lead from battery to terminal 2 and the negative (-) lead to terminal 1, check that the seat back starts to fall backwards.

If operation is not as specified, replace the motor.



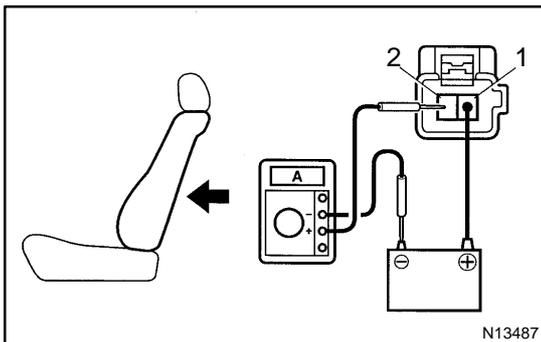
13. INSPECT LUMBAR SUPPORT MOTOR OPERATION

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



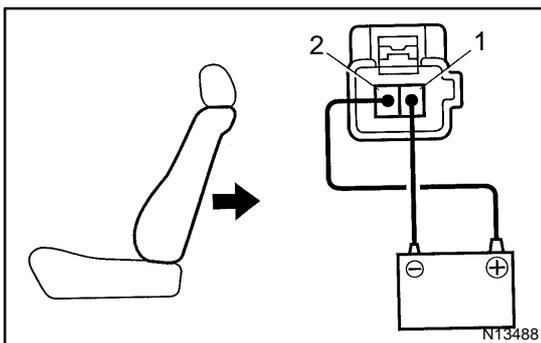
- (b) Reverse the polarity, and check that the lumbar support moves forward.

If operation is not as specified, replace the motor.



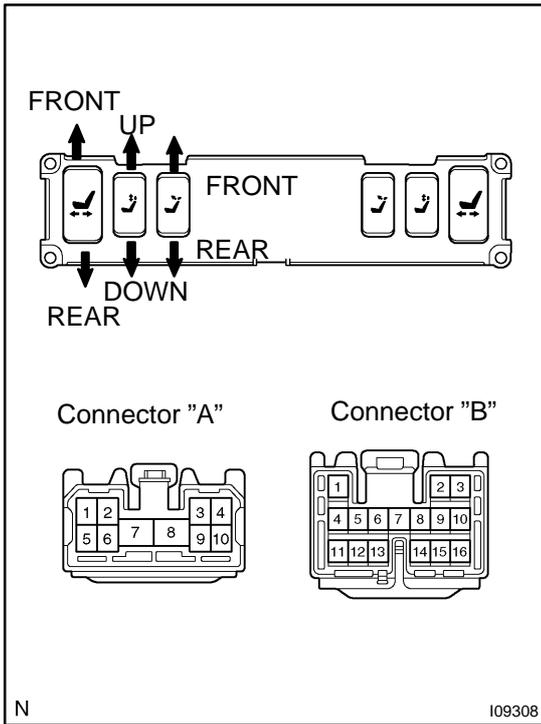
14. Driver's Seat: INSPECT LUMBAR SUPPORT MOTOR PTC THERMISTOR OPERATION

- (a) 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, then move the front edge of seat cushion to the highest position.
- (b) Continue to apply voltage, and check that the current changes to less than 1 ampere with 4 to 90 seconds.



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

If operation is not as specified, replace the motor.



**15. Taiwan Models Only:
INSPECT REAR POWER SEAT SWITCH CONTINUITY**

Slide switch LH:

Switch position	Tester connection	Specified condition
FRONT	B1 – B5 B5 – B7	Continuity
OFF	B1 – B7 B5 – B7	Continuity
REAR	B1 – B7 B5 – B6	Continuity

Slide switch RH:

Switch position	Tester connection	Specified condition
FRONT	B4 – B6 B9 – B7	Continuity
OFF	B4 – B7 B7 – B10	Continuity
REAR	B4 – B7 B7 – B10	Continuity

Headrest switch LH (for vertical):

Switch position	Tester connection	Specified condition
UP	B2 – B6 B7 – B8	Continuity
OFF	B2 – B7 B7 – B8	Continuity
DOWN	B2 – B7 B6 – B8	Continuity

Headrest switch RH (for vertical):

Switch position	Tester connection	Specified condition
UP	B3 – B6 B7 – B9	Continuity
OFF	B3 – B7 B7 – B9	Continuity
DOWN	B3 – B7 B6 – B9	Continuity

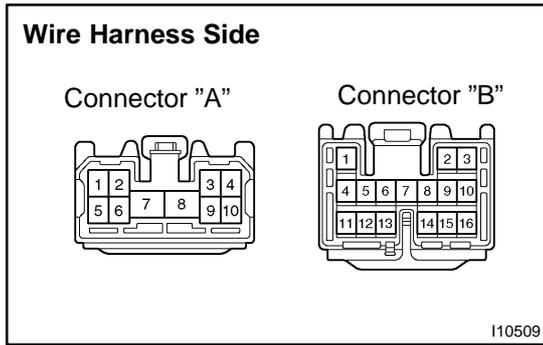
Headrest switch LH (for turning):

Switch position	Tester connection	Specified condition
FRONT	A4 – B7	Continuity
OFF	–	No continuity
REAR	A5 – B7	Continuity

Headrest switch RH (for turning):

Switch position	Tester connection	Specified condition
FRONT	A4 – B7	Continuity
OFF	–	No continuity
REAR	A5 – B7	Continuity

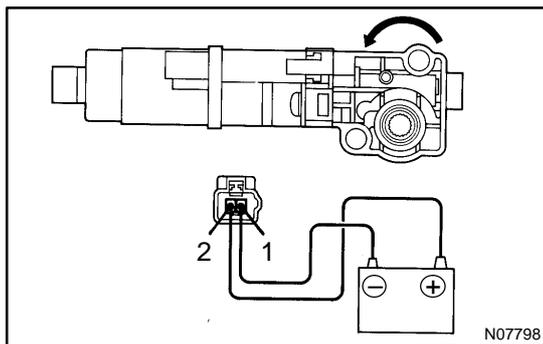
If continuity is not as specified, replace the switch.



- 16. INSPECT REAR 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.

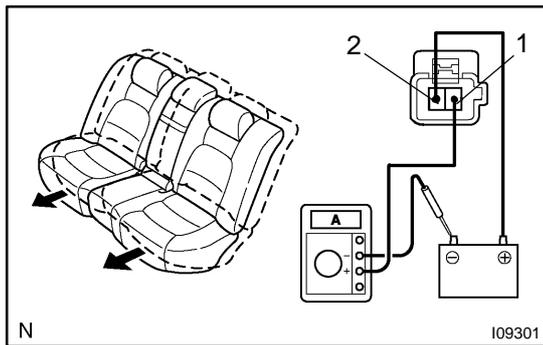
Tester connection	Condition	Specified condition
B7 – Ground	Constant	Continuity
B8 – Ground	Constant	Battery positive voltage

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



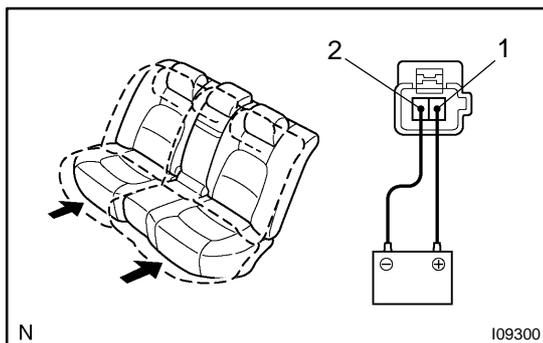
- 17. INSPECT SLIDE MOTOR OPERATION**
- (a) Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1 and check that the motor turns counterclockwise.
 - (b) Reverse the polarity and check that the motor turns clockwise.

If operation is not as specified, replace the motor.



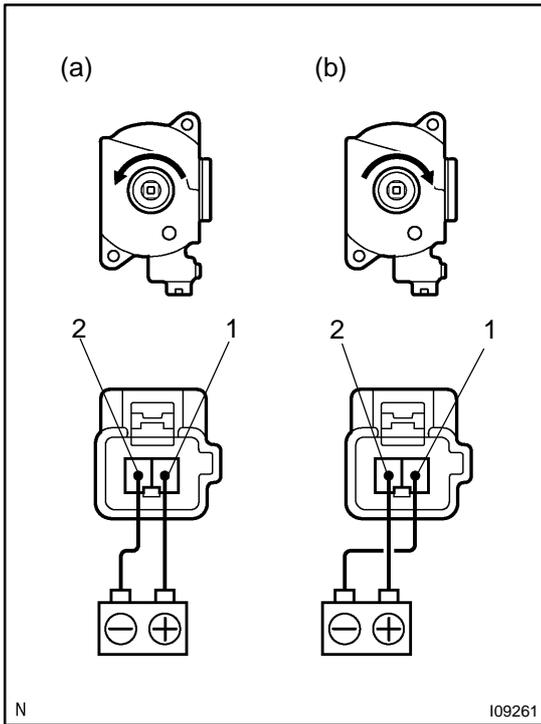
- 18. INSPECT SLIDE MOTOR PTC THERMISTOR OPERATION**

- (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 battery negative (-) terminal, then move the seat to front position.
- (b) Continue to apply voltage and check that the current changes to less than 1 ampere with 4 to 90 seconds.



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

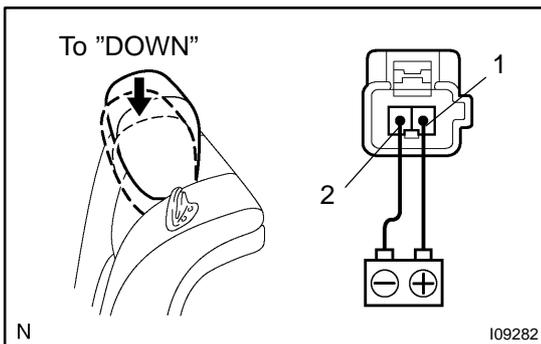
If operation is not as specified, replace the motor.



19. INSPECT HEADREST MOTOR OPERATION (For vertical)

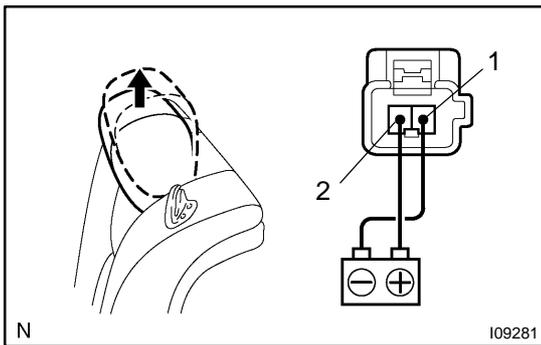
- (a) Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1, and check that the motor turns counterclockwise.
- (b) Reverse the polarity, and check that the motor turns clockwise.

If operation is not as specified, replace the motor.



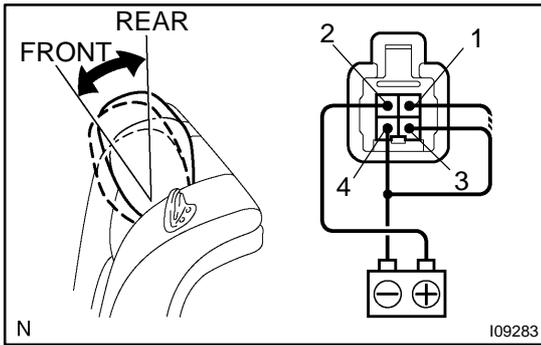
20. INSPECT HEADREST MOTOR CIRCUIT BREAKER OPERATION (For vertical)

- (a) Connect the positive (+) lead from the battery to terminal 1 and negative (-) lead to terminal 2 on the motor connector and move the headrest to DOWN position.



- (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 headrest begins to move UP side within approx. 60 seconds.

If operation is not as specified, replace the headrest.



21. INSPECT HEADREST MOTOR OPERATION (For turning)

- Connect the positive (+) lead from the battery to terminal 2 and negative (-) lead to terminal 4.
- Connect the negative (-) lead to each terminal and check that the headrest turns at each position, as shown in the chart.

Tester connection	Position
1	FRONT
3	REAR

If operation is not as specified, replace the headrest.