

INSPECTION

1. INSPECT DRIVER'S POWER SEAT SWITCH CONTINUITY

Slide switch:

Switch position	Tester connection	Specified condition
FRONT	1 - 9 4 - 6	Continuity
OFF	4 - 6 4 - 9	Continuity
BACK	1 - 6 4 - 9	Continuity

Front vertical switch:

Switch position	Tester connection	Specified condition
UP	1 - 10 4 - 5 (*1)	Continuity
OFF	4 - 5 (*1) 4 - 10 (*1)	Continuity
DOWN	1 - 5 4 - 10 (*1)	Continuity

Lifter switch:

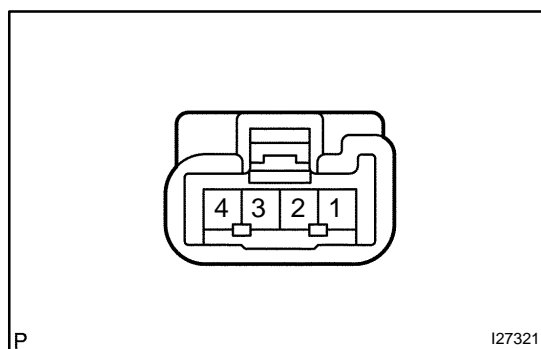
Switch position	Tester connection	Specified condition
UP	1 - 7 4 - 8 (*1)	Continuity
OFF	4 - 7 (*1) 4 - 8 (*1)	Continuity
DOWN	1 - 8 4 - 7 (*1)	Continuity

Reclining switch:

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

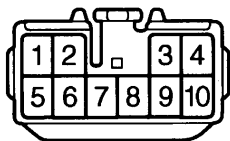
*1: w/ power seat memory switch

If continuity is not as specified, replace the switch.



2. INSPECT POWER SEAT MEMORY SWITCH

Switch position	Tester connection	Specified condition
SET	1 - 4	Continuity
SW1	2 - 4	Continuity
SW2	3 - 4	Continuity

Wire Harness Side

I05472

3. 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.

w/o Power seat memory switch:

Tester connection	Condition	Specified condition
4 - Ground	Always	Continuity
1 - Ground	Always	Battery Positive Voltage

w/ Power seat memory switch:

Tester connection	Condition	Specified condition
1 - Ground	Always	Continuity

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

4. INSPECT PASSENGER'S POWER SEAT SWITCH CONTINUITY**Slide switch:**

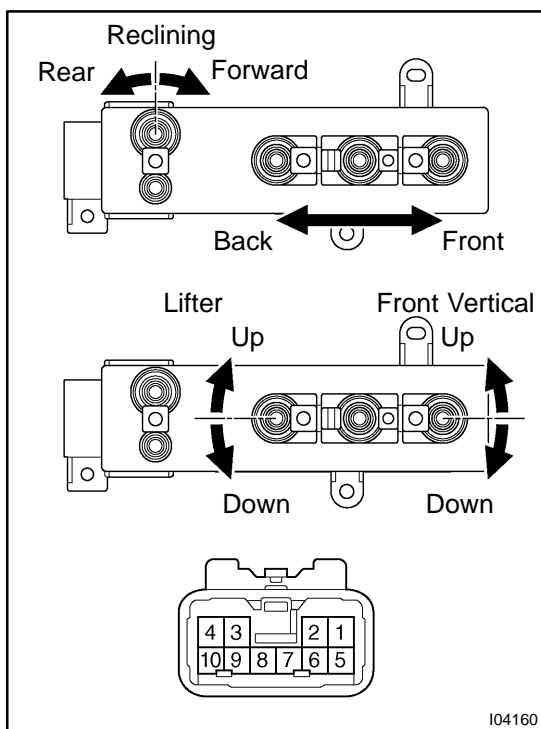
Switch position	Tester connection	Specified condition
FRONT	1 - 9 4 - 6	Continuity
OFF	4 - 6 4 - 9	Continuity
BACK	1 - 6 4 - 9	Continuity

Front vertical switch:

Switch position	Tester connection	Specified condition
UP	1 - 5 4 - 10	Continuity
OFF	4 - 5 4 - 10	Continuity
DOWN	1 - 10 4 - 5	Continuity

Lifter switch:

Switch position	Tester connection	Specified condition
UP	1 - 8 4 - 7	Continuity
OFF	4 - 7 4 - 8	Continuity
DOWN	1 - 7 4 - 8	Continuity

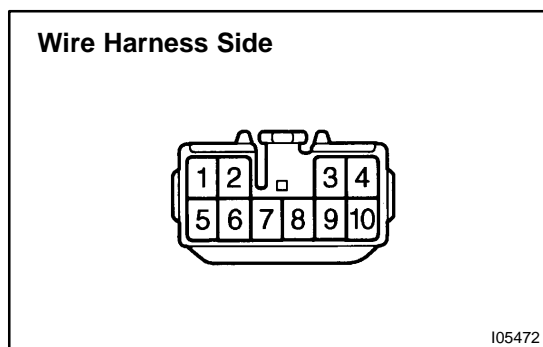


I04160

Reclining switch:

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

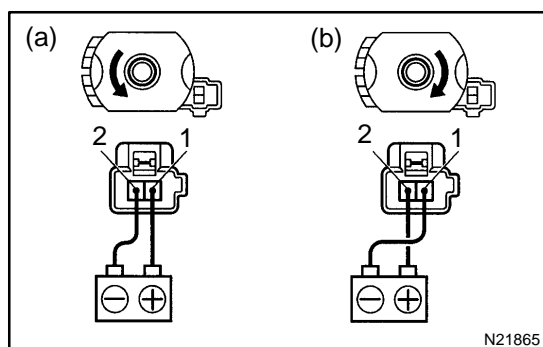
If continuity is not as specified, replace the switch.

**5. 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.

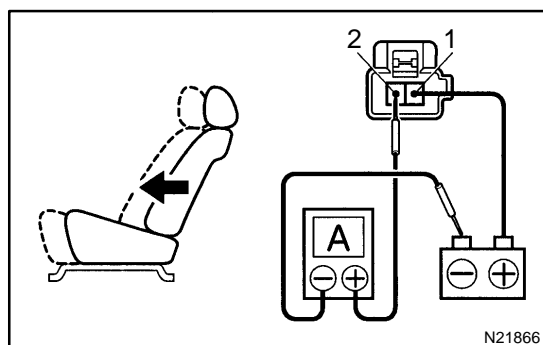
Tester connection	Condition	Specified condition
4 - Ground	Always	Continuity
1 - Ground	Always	Battery positive voltage

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

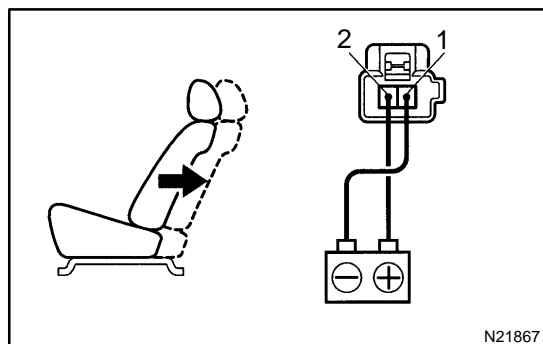
**6. INSPECT SLIDE MOTOR OPERATION**

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

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

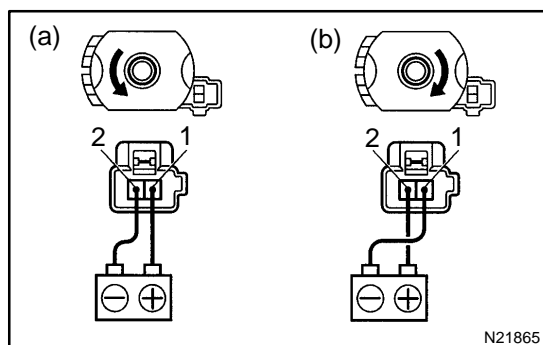
**7. INSPECT SLIDE MOTOR PTC THERMISTOR OPERATION**

- (): Passenger side
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 front position.
- Continue to apply voltage, check that current changes to less than 1 ampere within 4 to 90 seconds.



- (c) Disconnect the leads from 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 cushion begins to move backwards.

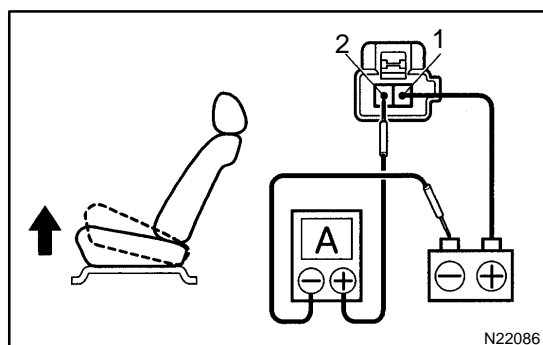
If operation is not as specified, replace the seat adjuster.



8. INSPECT FRONT VERTICAL 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 counterclockwise.
- (b) Reverse the polarity, check that the motor turns clockwise.

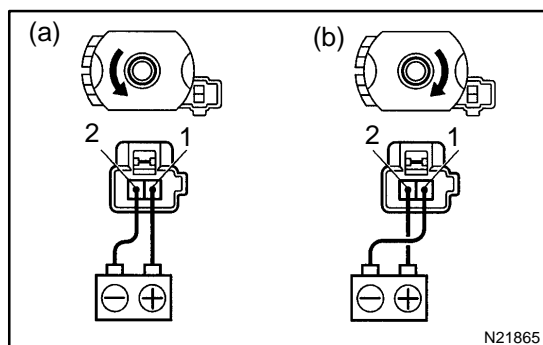
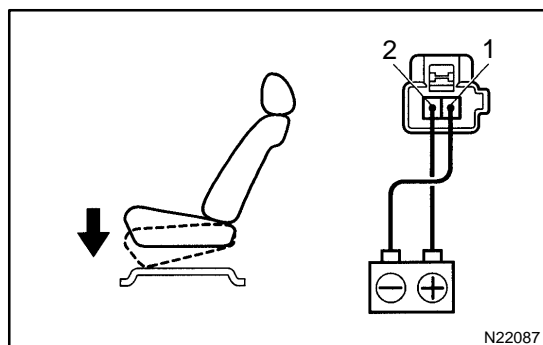
If operation is not as specified, replace the seat adjuster.



9. INSPECT FRONT VERTICAL MOTOR PTC THERMISTOR OPERATION

- (a) (): Passenger side
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.
- (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 2 (1) and the negative (-) lead to terminal 1 (2), check that the seat cushion begins to descend.

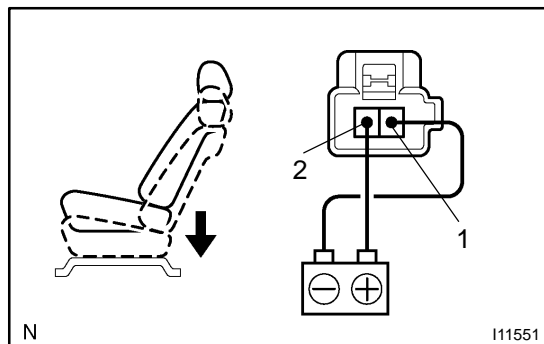
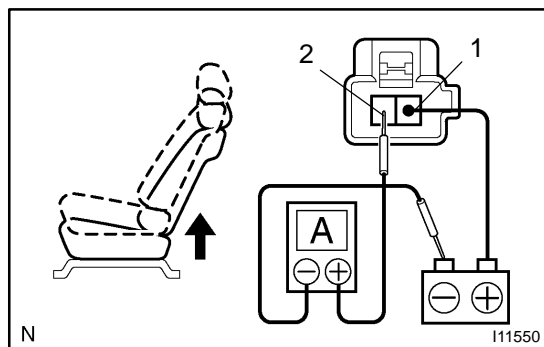
If operation is not as specified, replace the seat adjuster.



10. INSPECT LIFTER 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 counterclockwise.
- (b) Reverse the polarity, check that the motor turns clockwise.

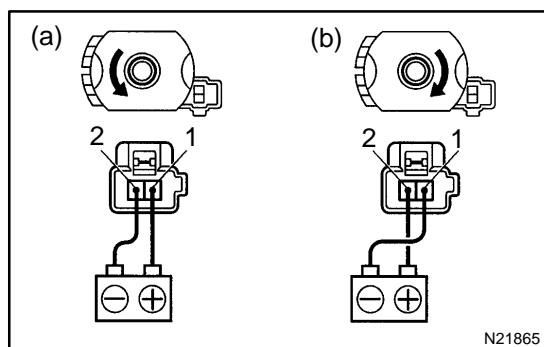
If operation is not as specified, replace the seat adjuster.



11. INSPECT LIFTER MOTOR PTC THERMISTOR OPERATION

- (): Passenger side
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.

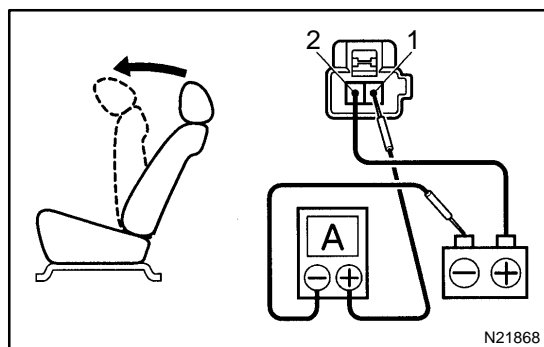
If operation is not as specified, replace the seat adjuster.



12. INSPECT RECLINING MOTOR OPERATION

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

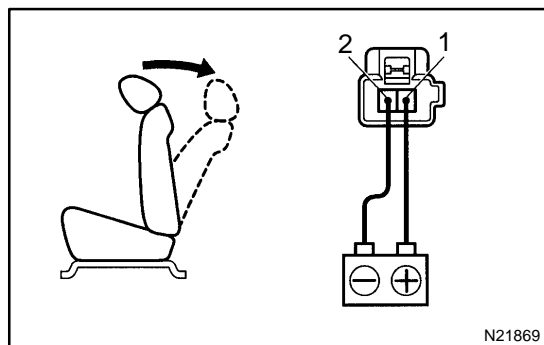
If operation is not as specified, replace the seat adjuster.



13. INSPECT RECLINING MOTOR PTC THERMISTOR OPERATION

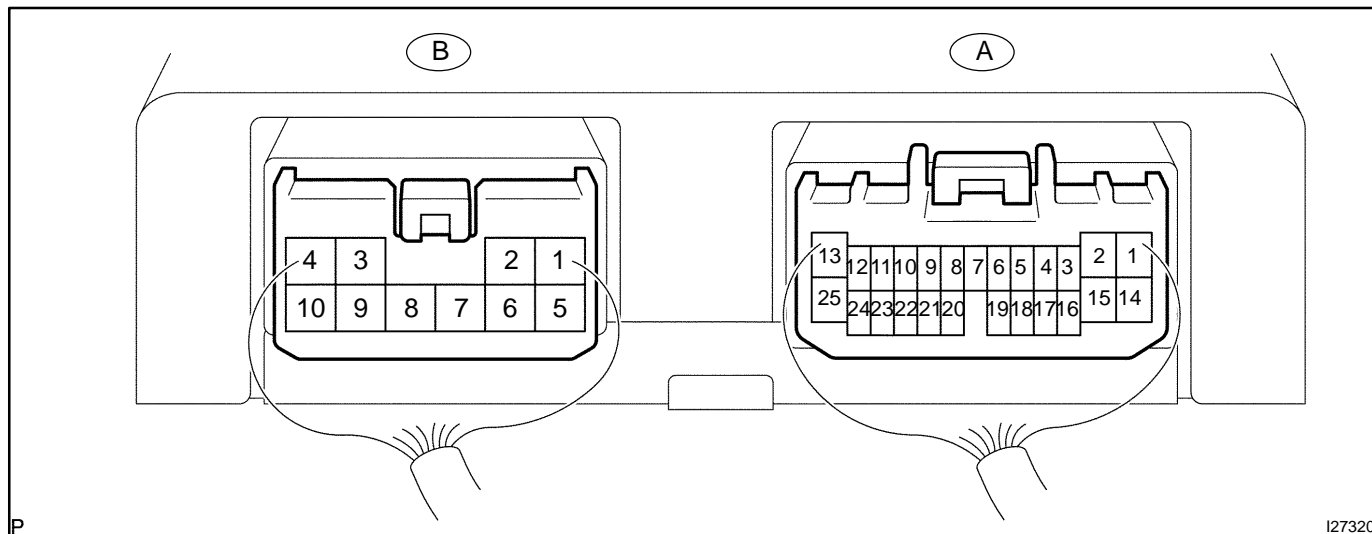
- Connect the positive (+) lead from the battery to terminal 2, the positive (+) lead from the ammeter to terminal 1 and the negative (-) lead to the battery negative (-) terminal, then recline the seat back to the most forward position.
- Continue to apply voltage, check that the current changes to 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 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.



14. INSPECT POWER SEAT CONTROL ECU

- (a) Check power seat control ECU with connector A and B still connected.



Symbols (Terminal No.)	Condition	Specified condition
PKB (A-1) - Body ground	Parking brake switch ON	Blow 2 V
P (A-2) - Body ground	Neutral position switch is P	10-14 V
SSRS (A-3) - Body ground	Slide position sensor OFF → ON	Blow 2 V → 6.6 V or higher
SSFV (A-4) - Body ground	Front vertical sensor OFF → ON	Blow 2 V → 6.6 V or higher
PCVV (A-5) - Body ground	Ignition switch ON	Blow 8 V
SLDF (A-6) - Body ground	Manual switch (Front slide) OFF → ON	1 kΩ or higher → Below 10 Ω
SLDR (A-8) - Body ground	Manual switch (Rear slide) OFF → ON	1 kΩ or higher → Below 10 Ω
MMRY (A-9) - Body ground	Memory switch OFF → ON	10 kΩ or higher → Below 100 Ω
RCLF (A-10) - Body ground	Manual switch (Rear reclining) OFF → ON	1 kΩ or higher → Below 10 Ω
RDWN (A-11) - Body ground	Manual switch (Rear vertical down) OFF → ON	1 kΩ or higher → Below 10 Ω
RCLR (A-12) - Body ground	Manual switch (Front reclining) OFF → ON	1 kΩ or higher → Below 10 Ω
IG (A-13) - Body ground	Ignition switch ON	10-14 V
SI (A-14)	Communication line	-
DCTY (A-15) - Body ground	Door courtesy switch OFF → ON	10 kΩ or higher → Below 100 Ω
SSRR (A-16) - Body ground	Reclining position sensor OFF → ON	Blow 1 V → Blow 2 V
SSRV (A-17) - Body ground	Rear vertical sensor OFF → ON	Blow 2 V → 6.6 V or higher
SGND (A-19) - Body ground	Always	Blow 1 Ω
SW2 (A-20) - Body ground	Memory switch OFF → ON	10 kΩ or higher → Below 100 Ω
SW1 (A-21) - Body ground	Memory switch OFF → ON	10 kΩ or higher → Below 100 Ω
RUP (A-22) - Body ground	Manual switch (Rear vertical up) OFF → ON	1 kΩ or higher → Below 10 Ω
FUP (A-23) - Body ground	Manual switch (Front vertical up) OFF → ON	1 kΩ or higher → Below 10 Ω
FDWN (A-24) - Body ground	Manual switch (Front vertical down) OFF → ON	1 kΩ or higher → Below 10 Ω
RCL- (B-1) - Body ground	Manual switch (Rear reclining) OFF → ON	Blow 1 V → 10-14 V
RCL+ (B-2) - Body ground	Manual switch (Front reclining) OFF → ON	Blow 1 V → 10-14 V
SLD- (B-3) - Body ground	Manual switch (Rear slide) OFF → ON	Blow 1 V → 10-14 V
SLD+ (B-4) - Body ground	Manual switch (Front slide) OFF → ON	Blow 1 V → 10-14 V
RRV- (B-5) - Body ground	Manual switch (Rear vertical down) OFF → ON	Blow 1 V → 10-14 V
RRV+ (B-6) - Body ground	Manual switch (Rear vertical up) OFF → ON	Blow 1 V → 10-14 V

GND (B-7) - Body ground	Always	Blow 1 Ω
+B (B-8) - Body ground	Always	10-14 V
FRV- (B-9) - Body ground	Manual switch (Front vertical down) OFF → ON	Blow 1 V → 10-14 V
FRV+ (B-10) - Body ground	Manual switch (Front vertical up) OFF → ON	Blow 1 V → 10-14 V