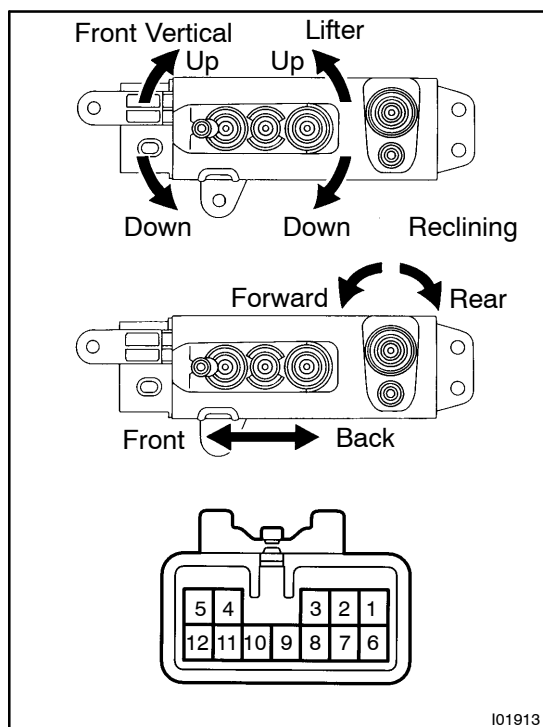




## INSPECTION

### 1. INSPECT DRIVER'S 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:

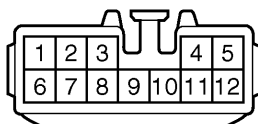
| Switch position | Tester connection | Specified condition |
|-----------------|-------------------|---------------------|
| UP              | 2 - 11    3 - 7   | Continuity          |
| OFF             | 2 - 3 - 7         | Continuity          |
| DOWN            | 2 - 7    3 - 11   | Continuity  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

#### 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

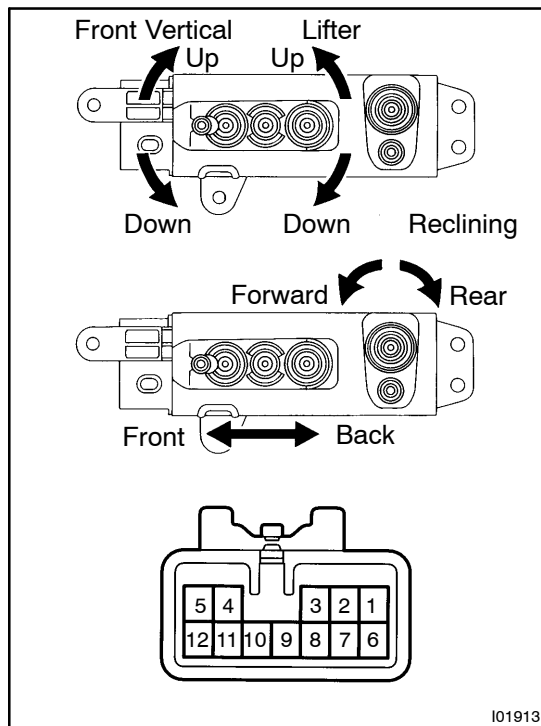


### 2. INSPECT DRIVER'S POWER SEAT SWITCH CIRCUIT

- 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      |
|-------------------|-----------|--------------------------|
| 7 - Ground        | Constant  | Continuity               |
| 11 - Ground       | Constant  | Battery positive voltage |

If 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           | 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          |

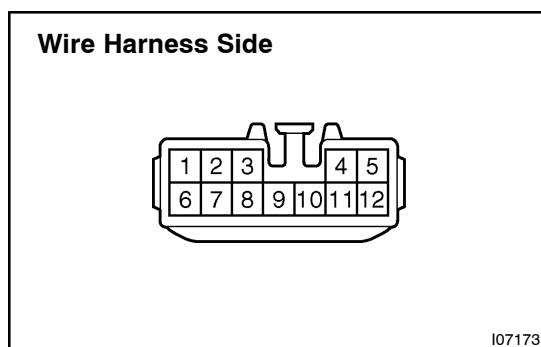
#### Lifter switch:

| 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.

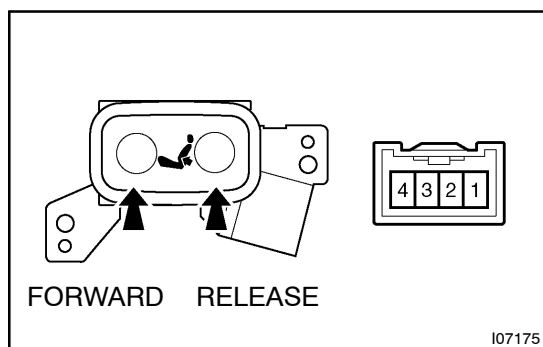


### 4. INSPECT PASSENGER'S POWER SEAT SWITCH CIRCUIT

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

| Tester connection | Condition | Specified condition      |
|-------------------|-----------|--------------------------|
| 7 - Ground        | Constant  | Continuity               |
| 11 - Ground       | Constant  | Battery positive voltage |

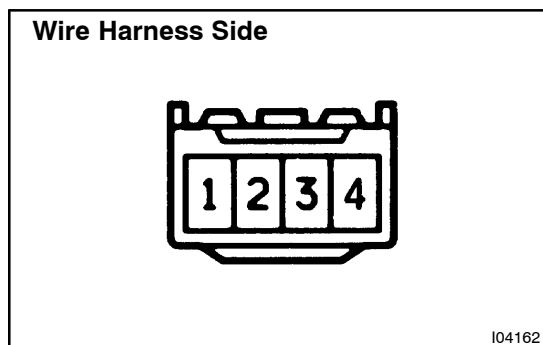
If circuit is not as specified, inspect the circuits connected to other parts.



## 5. INSPECT DRIVER'S LUMBAR SUPPORT SWITCH CONTINUITY

| Switch position | Tester connection | Specified condition |
|-----------------|-------------------|---------------------|
| FORWARD         | 1 - 4<br>2 - 3    | Continuity          |
| OFF             | 1 - 2 - 3         | Continuity          |
| RELEASE         | 1 - 3<br>2 - 4    | Continuity          |

If continuity is not as specified, replace the switch.

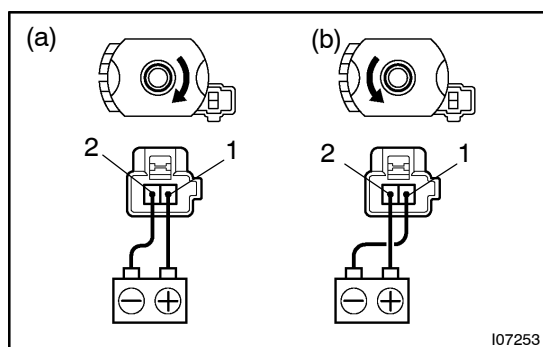


## 6. INSPECT DRIVER'S LUMBAR SUPPORT SWITCH CIRCUIT

- 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 positive voltage |

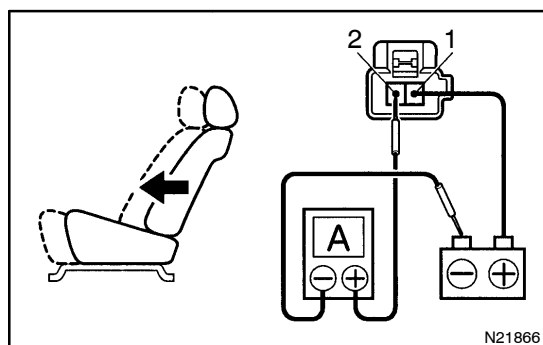
If circuit is not as specified, inspect the circuits connected to other parts.



## 7. 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 clockwise.
- Reverse the polarity, check that the motor turns counter-clockwise.

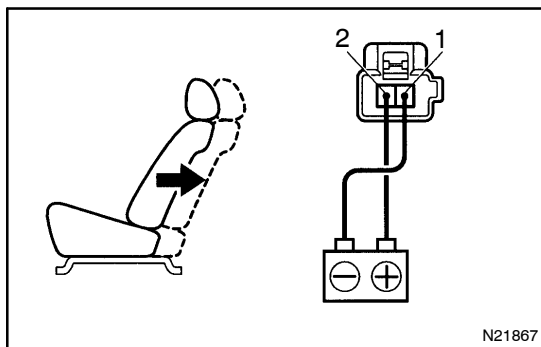
If operation is not as specified, replace the seat adjuster.



## 8. INSPECT SLIDE MOTOR PTC THERMISTOR OPERATION

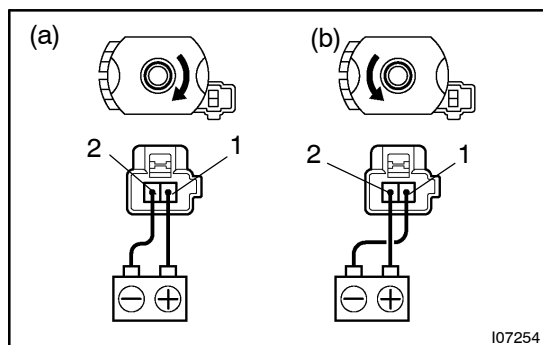
( ): Passenger side

- 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.
- 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 1 (2) and the negative (-) lead to terminal 2 (1), check that the seat cushion begins to move backwards.

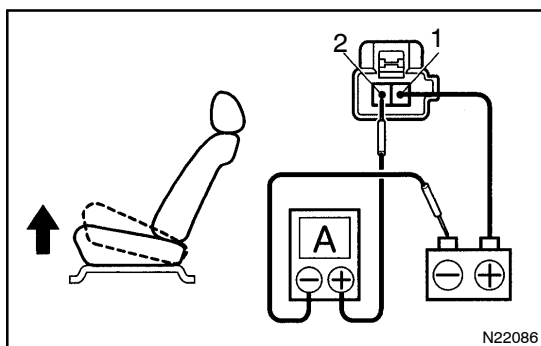
If operation is not as specified, replace the seat adjuster.



#### 9. 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 clockwise.
- (b) Reverse the polarity, check that the motor turns counter-clockwise.

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

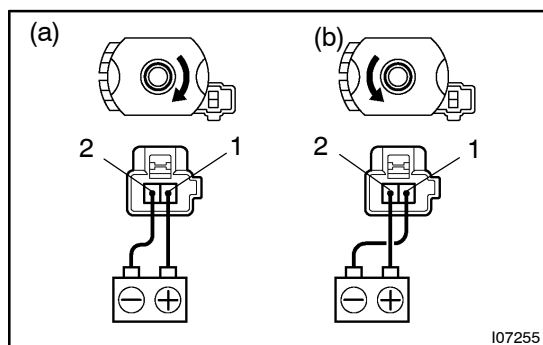
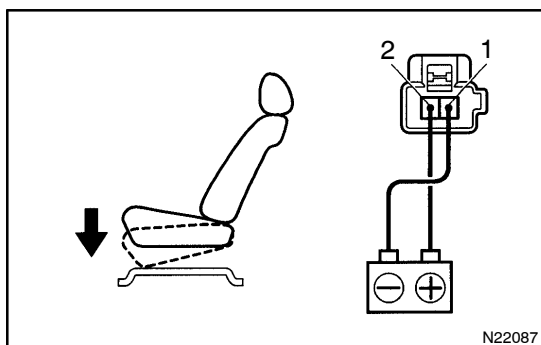


#### 10. INSPECT FRONT VERTICAL MOTOR PTC THERMISTOR OPERATION

##### ( ): Passenger side

- (a) 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.

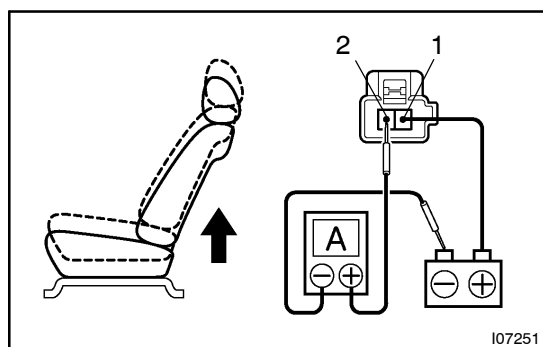
If operation is not as specified, replace the seat adjuster.



#### 11. INSPECT LIFTER MOTOR OPERATION

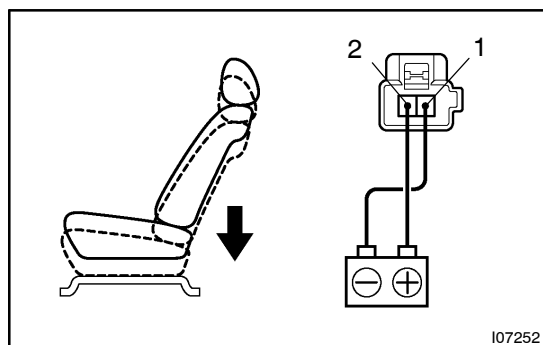
- (a) Connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2, check that the motor turns clockwise.
- (b) Reverse the polarity, check that the motor turns counter-clockwise.

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



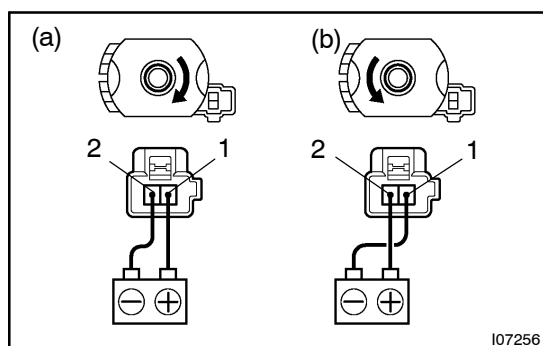
## 12. INSPECT LIFTER MOTOR PTC THERMISTOR OPERATION

- 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.



- 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 begins to descend.

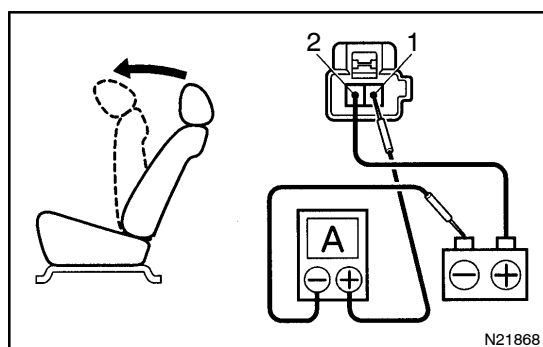
If operation is not as specified, replace the seat adjuster.



## 13. INSPECT RECLINING MOTOR OPERATION

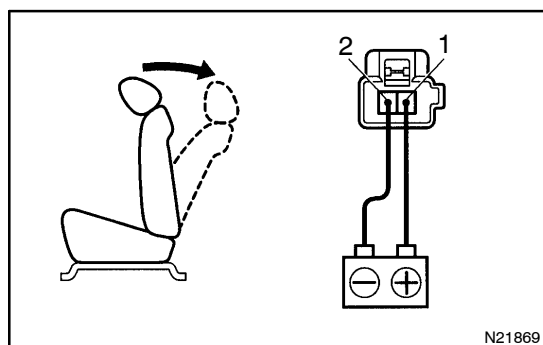
- Connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2, check that the motor turns clockwise.
- Reverse the polarity, check that the motor turns counter-clockwise.

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



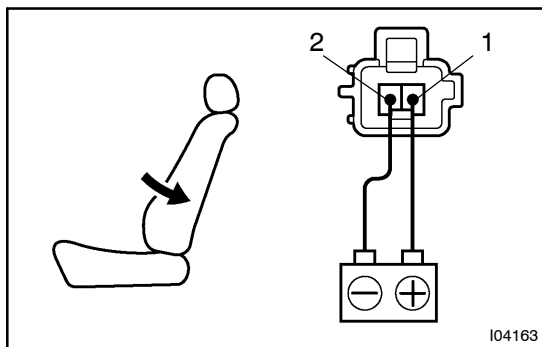
## 14. INSPECT RECLINING MOTOR PTC THERMISTOR OPERATION

- 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.

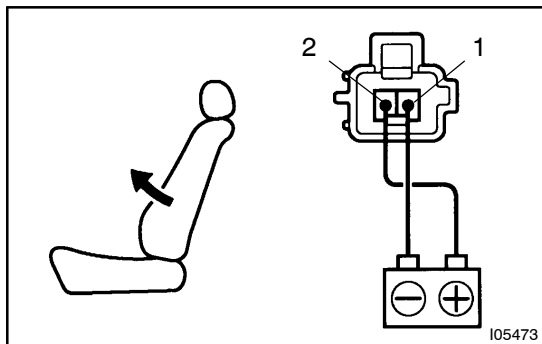


- Disconnect the leads from the terminals.
- Approximately 60 seconds later, connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2, check that the seat back begins to fall backward.

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

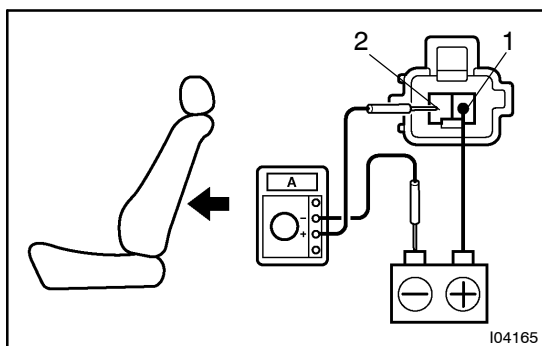
**15. INSPECT LUMBAR SUPPORT MOTOR OPERATION**

- (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.

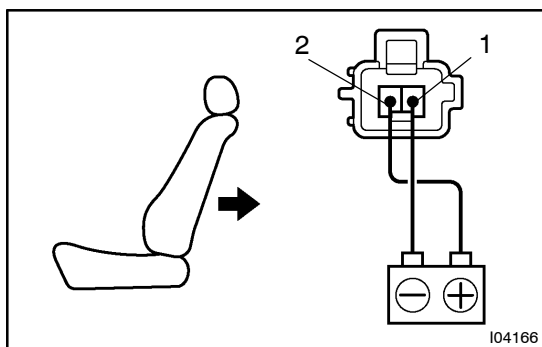


- (b) Reverse the polarity, check that the lumbar support moves forward.

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

**16. 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.