

INSPECTION

1. 2 Door: INSPECT POWER WINDOW MASTER SWITCH CONTINUITY

Driver's switch:

Switch position	Tester connection	Specified condition
UP	1 - 4, 3 - 9	Continuity
OFF	1 - 3 - 4	Continuity
DOWN	1 - 3, 4 - 9	Continuity
DOWN AUTO	1 - 3, 4 - 9	Continuity

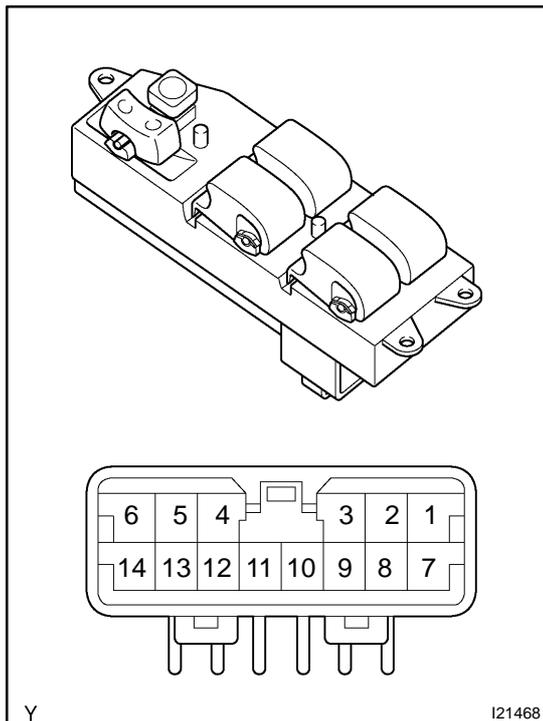
Passenger's switch (Window unlock):

Switch position	Tester connection	Specified condition
UP	1 - 10, 8 - 9	Continuity
OFF	1 - 8 - 10	Continuity
DOWN	1 - 8, 9 - 10	Continuity

Passenger's switch: Window lock

Switch position	Tester connection	Specified condition
UP	8 - 9	Continuity
OFF	8 - 10	Continuity
DOWN	9 - 10	Continuity

If continuity is not as specified, replace the switch.



2. 4 Door: INSPECT POWER WINDOW MASTER SWITCH CONTINUITY

Driver's switch:

Switch position	Tester connection	Specified condition
UP	1 - 10, 3 - 5	Continuity
OFF	1 - 3 - 5	Continuity
DOWN	1 - 3, 5 - 10	Continuity
DOWN AUTO	1 - 3, 5 - 10	Continuity

Front passenger's switch (Window unlock):

Switch position	Tester connection	Specified condition
UP	3 - 6, 10 - 14	Continuity
OFF	3 - 6 - 14	Continuity
DOWN	3 - 14, 6 - 10	Continuity

Front passenger’s switch (Window lock):

Switch position	Tester connection	Specified condition
UP	10 – 14	Continuity
OFF	6 – 14	Continuity
DOWN	6 – 10	Continuity

Rear left switch (Window unlock):

Switch position	Tester connection	Specified condition
UP	3 – 12, 9 – 10	Continuity
OFF	3 – 9 – 12	Continuity
DOWN	3 – 9, 10 – 12	Continuity

Rear left switch (Window lock):

Switch position	Tester connection	Specified condition
UP	9 – 10	Continuity
OFF	9 – 12	Continuity
DOWN	10 – 12	Continuity

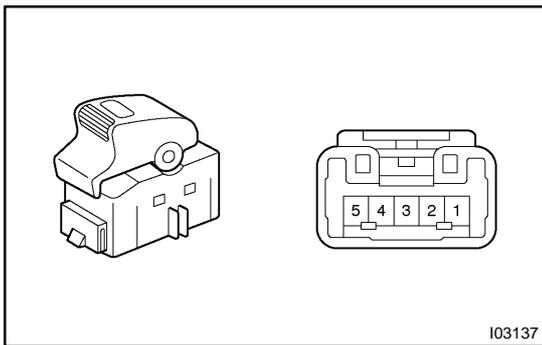
Rear right switch (Window unlock):

Switch position	Tester connection	Specified condition
UP	3 – 13, 8 – 10	Continuity
OFF	3 – 8 – 13	Continuity
DOWN	3 – 8, 10 – 13	Continuity

Rear right switch (Window lock):

Switch position	Tester connection	Specified condition
UP	8 – 10	Continuity
OFF	8 – 13	Continuity
DOWN	10 – 13	Continuity

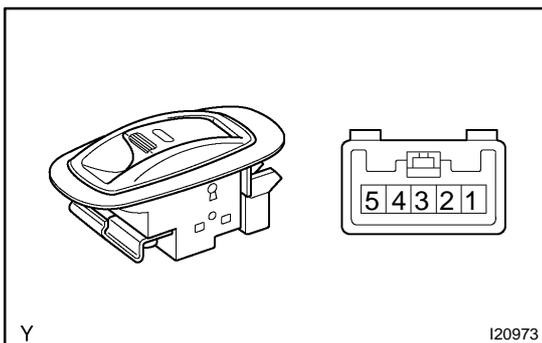
If continuity is not as specified, replace the switch.



3. INSPECT FRONT POWER WINDOW CONTROL SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
UP	1 – 2, 3 – 4	Continuity
OFF	1 – 2, 3 – 5	Continuity
DOWN	1 – 4, 3 – 5	Continuity

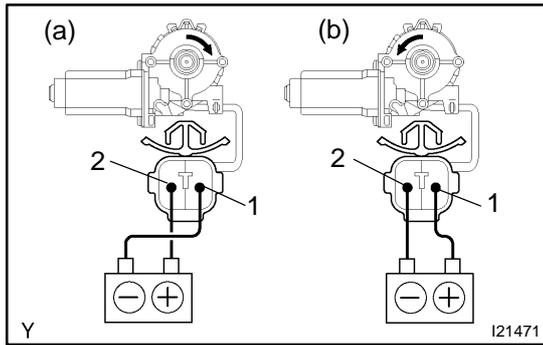
If continuity is not as specified, replace the switch.



4. INSPECT REAR POWER WINDOW CONTROL SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
UP	1 – 3, 4 – 5	Continuity
OFF	1 – 2, 4 – 5	Continuity
DOWN	1 – 2, 3 – 5	Continuity

If continuity is not as specified, replace the switch.

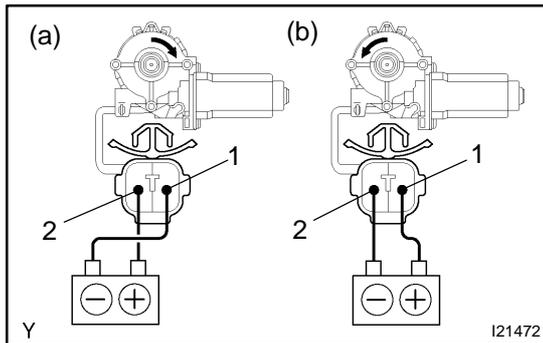


5. Driver's side:

INSPECT POWER WINDOW MOTOR OPERATION

- (a) Connect the positive (+) lead from the battery to terminal 2 and negative (-) lead to terminal 1. 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 motor.

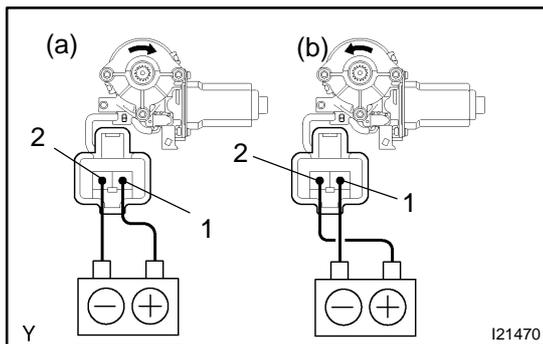


6. Front passenger's side:

INSPECT POWER WINDOW MOTOR OPERATION

- (a) Connect the positive (+) lead from the battery to terminal 2 and negative (-) lead to terminal 1. 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 motor.

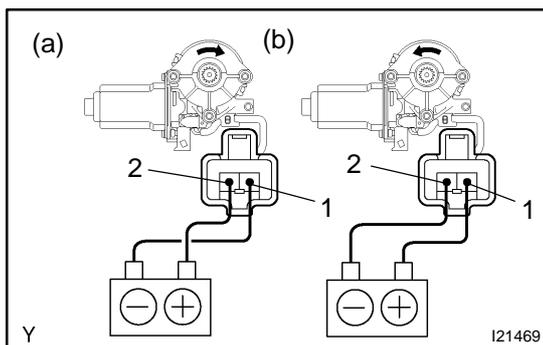


7. Rear LH side:

INSPECT POWER WINDOW MOTOR OPERATION

- (a) Connect the positive (+) lead from the battery to terminal 1 and 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 motor.

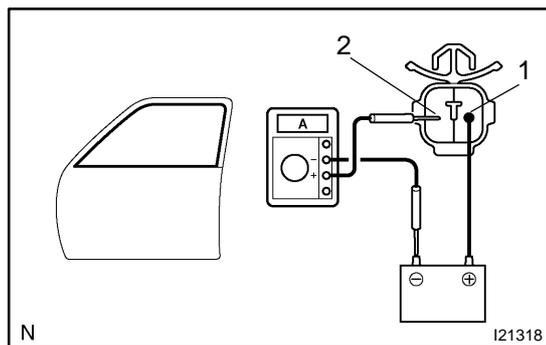


8. Rear RH side:

INSPECT POWER WINDOW MOTOR OPERATION

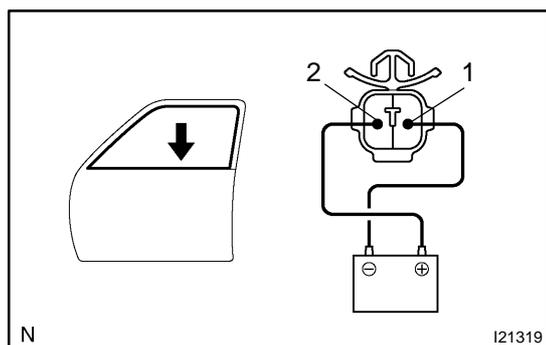
- (a) Connect the positive (+) lead from the battery to terminal 2 and negative (-) lead to terminal 1. Check that the motor turns clockwise.
- (b) Reverse the polarity, check that the motor turns counter-clockwise.

If operation is not as specified, replace the motor.



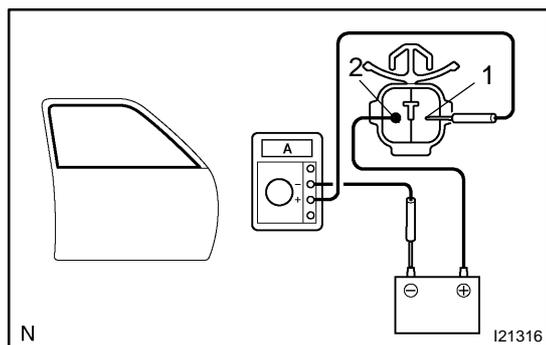
**9. Driver's door:
INSPECT POWER WINDOW MOTOR PTC THERMISTOR OPERATION**

- (a) Disconnect the connector from the power window motor.
- (b) Connect the positive (+) lead from the ammeter to terminal 2 on the wire harness side connector and the negative (-) lead to negative terminal of the battery.
- (c) Connect the positive (+) lead from the battery to terminal 1 on the wire harness side connector, and raise the window to the fully position.
- (d) Continue to apply voltage, and check that the current changes to less than 1 A with 4 to 90 seconds.



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

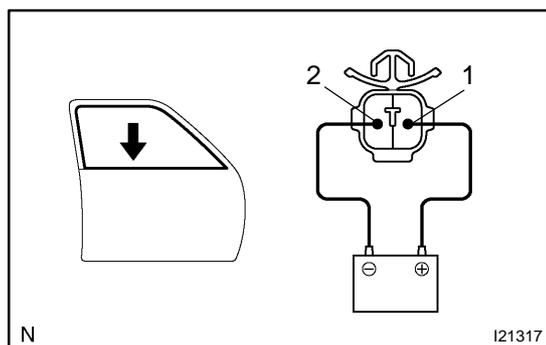
If operation is not as specified, replace the motor.

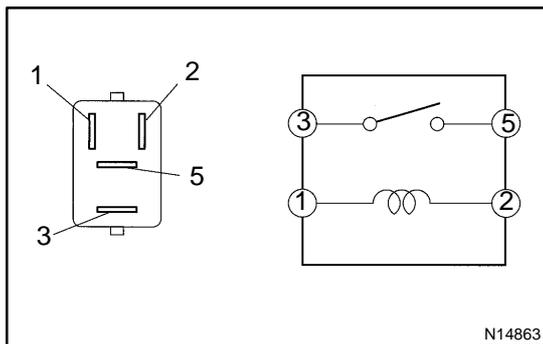
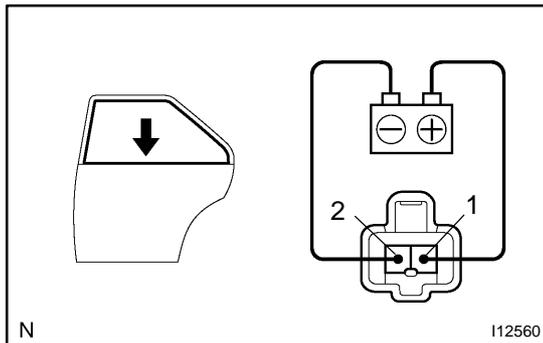
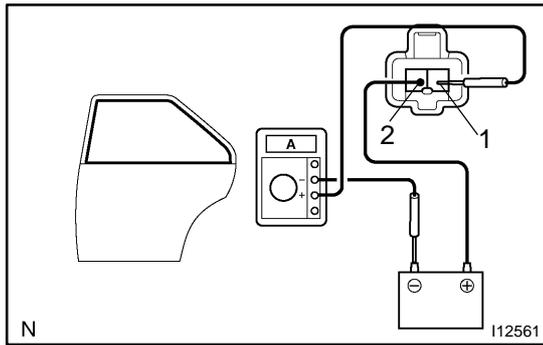


**10. Front Passenger's door:
INSPECT POWER WINDOW MOTOR PTC THERMISTOR OPERATION**

- (a) Disconnect the connector from the power window motor.
- (b) Connect the positive (+) lead from the ammeter to terminal 1 on the wire harness side connector and the negative (-) lead to negative terminal of the battery.
- (c) Connect the positive (+) lead from the battery to terminal 2 on the wire harness side connector, and raise the window to the fully position.
- (d) Continue to apply voltage and check that the current changes to less than 1 A within 4 to 90 seconds.
- (e) Disconnect the leads from the terminals.
- (f) Approximately 60 seconds later, connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2, and check that the window begins to descend.

If operation is not as specified, replace the motor.





**11. Rear door:
INSPECT POWER WINDOW MOTOR PTC THERMISTOR OPERATION**

- (a) Disconnect the connector from the power window motor.
- (b) Connect the positive (+) lead from the ammeter to terminal 1 on the wire harness side connector and the negative (-) lead to negative terminal of the battery.
- (c) Connect the positive (+) lead from the battery to terminal 2 on the wire harness side connector, and raise the window to the fully position.
- (d) Continue to apply voltage and check that the current changes to less than 1 A within 4 to 90 seconds.
- (e) Disconnect the leads from the terminals.
- (f) Approximately 60 seconds later, connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2, and check that the window begins to descend.

If operation is not as specified, replace the motor.

12. INSPECT POWER MAIN (Marking : PWR) RELAY CONTINUITY

Condition	Tester connection	Specified condition
Constant	1 - 2	Continuity
Apply B+ between terminals 1 and 2.	3 - 5	Continuity

If continuity is not as specified, replace the relay.