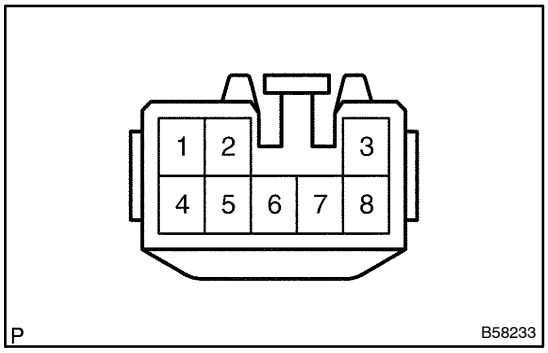
INSPECTION



1. INSPECT POWER WINDOW REGULATOR MASTER SWITCH ASSY

(a) Check the continuity between each terminal of the connector, operating the switch.

Standard:

Driver side

Switch position	Tester connection	Condition
UP AUTO UP	1 ⇔ 5	Continuity
	2 ⇔ 3	
OFF	1 ⇔ 5	Continuity
	2 ⇔ 5	
DOWN AUTO DOWN	2 ⇔ 5	Continuity
	1 ⇔ 3	

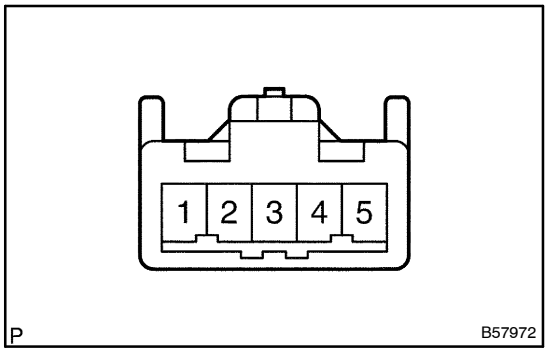
Passenger side (Window lock switch unlock)

Switch position	Tester connection	Condition
UP	1 ⇔ 5	Continuity
	2 ⇔ 3	
OFF	1 ⇔ 5	Continuity
	2 ⇔ 5	
DOWN	2 ⇔ 5	Continuity
	1 ⇔ 3	

Passenger side (Window lock switch lock)

Switch position	Tester connection	Condition
UP	3 ⇔ 4	Continuity
OFF	4 ⇔ 7	Continuity
DOWN	3 ⇔ 7	Continuity

If the result is not as specified, replace the switch.

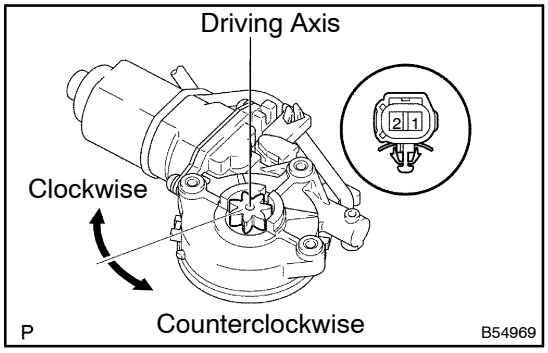


2. INSPECT POWER WINDOW REGULATOR SWITCH ASSY

(a) Check the continuity between each terminal of the connector, operating the switch.

Switch position	Tester connection	Condition
UP	1 ⇔ 3	Continuity
	4 ⇔ 5	
OFF	2 ⇔ 3	Continuity
	4 ⇔ 5	
DOWN	2 ⇔ 3	Continuity
	1 ⇔ 5	

If the result is not as specified, replace the switch assy.



3. INSPECT POWER WINDOW REGULATOR MOTOR ASSY RH

(a) Inspect the operation of the rear RH side power window regulator motor assembly.

(1) When adding the battery voltage to each connector terminal check that the motor operates smoothly.

Measuring condition	Operational direction
Battery positive → Terminal 2 Battery negative → Terminal 1	Clockwise rotation toward driving axis
Battery positive → Terminal 1 Battery negative → Terminal 2	Counterclockwise wind rotation toward driving axis

(b) Check the PTC operation inside power window regulator motor.

NOTICE:

Check should be done under the condition that the power window regulator and the door glass are installed.

(1) Set the DC 400 A probe of TOYOTA electrical tester to terminal 1 or 2 of the wire harness.

NOTICE:

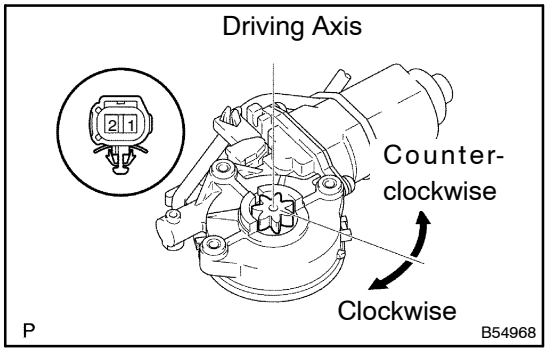
Match the arrow mark of the probe with the current direction.

(2) Set the door glass at the fully–closed position.

(3) When approx. 60 seconds have passed after fully closing it, check the time that the current when pressing the power regulator switch UP again (at initial time) changes from approx. 16 to 34 A to less than 1 A.

Standard: Approx. 4 – 90 seconds

(4) When approx. 60 seconds have passed after the cutoff checking, check that the door glass will go down when the power regulator switch is pressed DOWN.



4. INSPECT POWER WINDOW REGULATOR MOTOR ASSY LH

(a) Inspect the operation of the front LH side power window regulator motor assembly.

(1) When adding the battery voltage to each connector terminal, check that the motor operates smoothly.

Measuring condition	Operational direction
Battery positive → Terminal 1 Battery negative → Terminal 2	Clockwise rotation toward driving axis
Battery positive → Terminal 2 Battery negative → Terminal 1	Counterclockwise wind rotation toward driving axis

(b) Check the PTC operation inside power window regulator motor.

NOTICE:

Check should be done under the condition that the power window regulator and the door glass are installed.

(1) Set the DC 400 A probe of TOYOTA electrical tester to terminal 4 or 5 of the wire harness.

NOTICE:

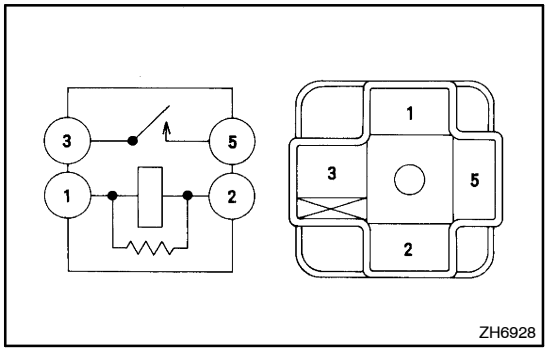
Match the arrow mark of the probe with the current direction.

(2) Set the door glass at the fully−closed position.

(3) When approx. 60 seconds have passed after fully closing it, check the time that the current when pressing the power regulator switch UP again (at initial time) changes from approx. 16 to 34 A to less than 1 A.

Standard: Approx. 4 – 90 seconds

(4) When approx. 60 seconds after the cutoff checking, check that the door glass will go down when the power regulator switch is pressed DOWN.



5. INSPECT IGNITION RELAY NO.1

(a) Remove the relay from the R/B No.1.

(b) Check the relay continuity.

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

If the result is not as specified, replace the relay.