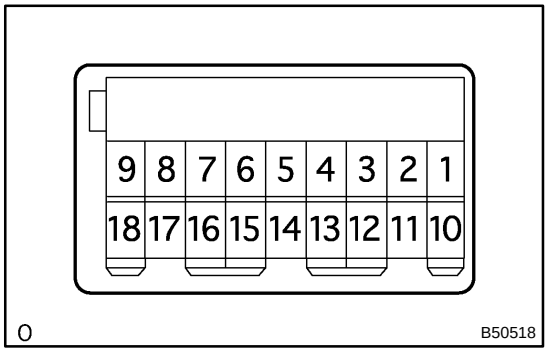
700H7−02

INSPECTION



1. INSPECT POWER WINDOW REGULATOR MASTER SWITCH ASSY

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

NOTICE:

Whether the operation is good or bad can be judged by the basic function check, because the continuity cannot be checked by UP/DOWN operation of the driver side switch.

Standard (Window unlock):

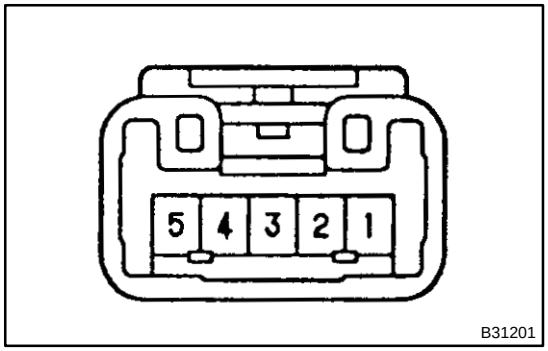
Switch position	Passenger Side Terminals No.	Rear RH Terminals No.	Rear LH Terminals No.
UP	6 − 13 *1 (6 − 18 *2), 1 − 15	6 − 18 *1 (6 − 10 *2), 1 − 16	6 − 12, 1 − 10 *1 (1 − 13 *2)
OFF	1 − 13 *1 (1 − 18 *2), 1 − 15	1 − 18 *1 (1 − 10 *2), 1 − 16	6 − 12, 1 − 10 *1 (1 − 12 *2)
DOWN	6 − 15, 1 − 13 *1 (1 − 18 *2)	6 − 16, 1 − 18 *1 (1 − 10 *2)	6 − 10 *1 (6 − 13 *2), 1 − 12

Standard (Window lock):

Switch position	Passenger Side Terminals No.	Rear RH Terminals No.	Rear LH Terminals No.
UP	6 − 13 *1 (6 − 18 *2)	6 − 18 *1 (6 − 10 *2)	6 − 12
OFF	13 − 15 *1 (18 − 15 *2)	16 − 18 *1 (1 − 10 *2)	10 − 12
DOWN	6 − 15	6 − 16	6 − 10 *1 (6 − 13 *2)

*1: w/ Jam protection *2: w/o Jam protection

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



2. INSPECT POWER WINDOW REGULATOR SWITCH ASSY

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

Standard:

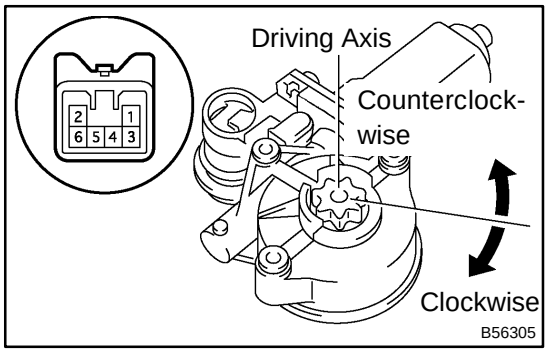
Switch position	Terminals No.	Condition
UP	1 − 2 3 − 4	Continuity
OFF	1 − 2 3 − 5	Continuity
DOWN	1 − 4 3 − 5	Continuity

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

3. INSPECT POWER WINDOW REGULATOR MOTOR ASSY LH

NOTICE:

- **Be sure not to apply battery voltage to terminals 2, 3 and 6 of the power window regulator motor assy LH connector, because it might damage the pulse sensor and the limit switch.**
- **Be sure to reset the power window regulator motor assembly (initial position setting of the limit switch) when the power window regulator motor assy LH is installed to the regulator.**



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

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

Standard:

Measurement condition	Operational direction
Battery positive − Terminal 5 Battery negative − Terminal 4	Clockwise
Battery positive − Terminal 4 Battery negative − Terminal 5	Counterclockwise

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

NOTICE:

Work must be performed with the power window regulator and door glass installed to the vehicle.

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

NOTICE:

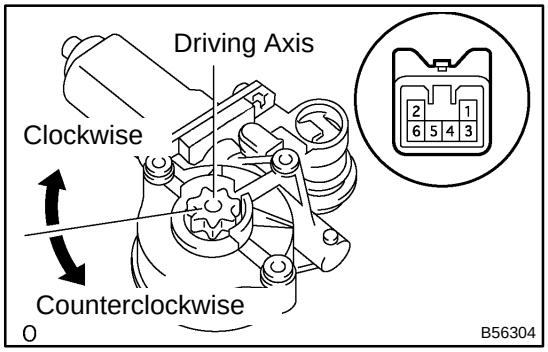
Match the arrow mark of the probe with the current direction.

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

(3) When approximately 60 seconds have passed after fully closing the door glass, check how long the current takes to change from approximately 16 − 34 A to less than 1 A when pulling the power regulator switch UP furthermore (at initial time).

Standard: Approximately 4 − 90 seconds

(4) When approximately 60 seconds have passed after the cut−off check, check that the door glass goes down when the power regulator switch is pressed DOWN.



4. INSPECT POWER WINDOW REGULATOR MOTOR ASSY RH

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

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

Standard:

Measurement condition	Operational direction
Battery positive − Terminal 5 Battery negative − Terminal 4	Clockwise
Battery positive − Terminal 4 Battery negative − Terminal 5	Counterclockwise

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

NOTICE:

Work must be performed with the power window regulator and door glass installed to the vehicle.

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

NOTICE:

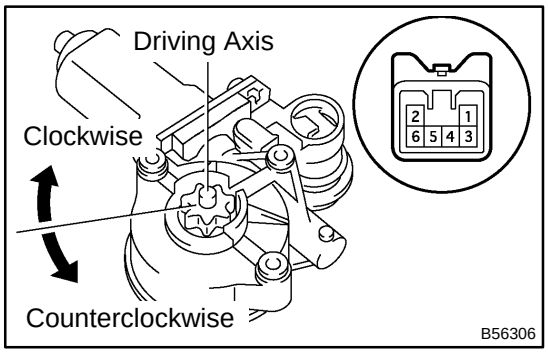
Match the arrow mark of the probe with the current direction.

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

(3) When approximately 60 seconds have passed after fully closing the door glass, check how long the current takes to change from approximately 16 − 34 A to less than 1 A when pulling the power regulator switch UP furthermore (at initial time).

Standard: Approximately 4 − 90 seconds

(4) When approximately 60 seconds have passed after the cut−off check, check that the door glass goes down when the power regulator switch is pressed DOWN.



5. INSPECT POWER WINDOW REGULATOR MOTOR ASSY LH

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

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

Standard:

Measurement condition	Operational direction
Battery positive − Terminal 5 Battery negative − Terminal 4	Clockwise
Battery positive − Terminal 4 Battery negative − Terminal 5	Counterclockwise

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

NOTICE:

Work must be performed with the power window regulator and door glass installed to the vehicle.

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

NOTICE:

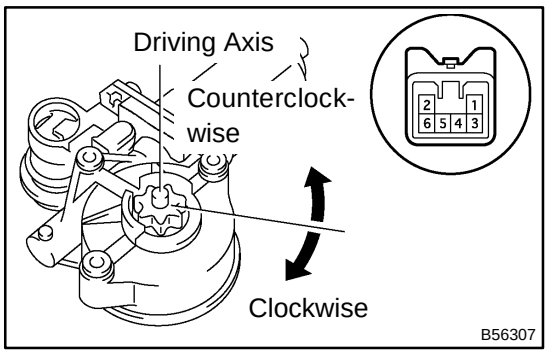
Match the arrow mark of the probe with the current direction.

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

(3) When approximately 60 seconds have passed after fully closing the door glass, check how long the current takes to change from approximately 16 − 34 A to less than 1 A when pulling the power regulator switch UP furthermore (at initial time).

Standard: Approximately 4 − 90 seconds

(4) When approximately 60 seconds have passed after the cut−off check, check that the door glass goes down when the power regulator switch is pressed DOWN.



6. INSPECT POWER WINDOW REGULATOR MOTOR ASSY RH

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

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

Standard:

Measurement condition	Operational direction
Battery positive − Terminal 5 Battery negative − Terminal 4	Clockwise
Battery positive − Terminal 4 Battery negative − Terminal 5	Counterclockwise

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

NOTICE:

Work must be performed with the power window regulator and door glass installed to the vehicle.

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

NOTICE:

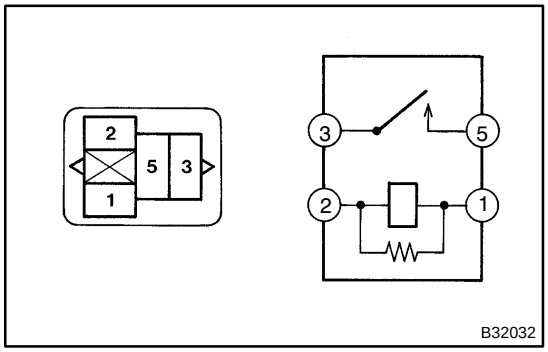
Match the arrow mark of the probe with the current direction.

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

(3) When approximately 60 seconds have passed after fully closing the door glass, check how long the current takes to change from approximately 16 − 34 A to less than 1 A when pulling the power regulator switch UP furthermore (at initial time).

Standard: Approximately 4 − 90 seconds

(4) When approximately 60 seconds have passed after the cut−off check, check that the door glass goes down when the power regulator switch is pressed DOWN.



7. INSPECT POWER WINDOW RELAY ASSY

(a) Inspect the power window relay continuity.

Standard:

Terminals No.	Condition	Specified Condition
1 − 2	Constant	Continuity
3 − 5	Constant	No continuity
3 − 5	Apply B + to terminals 1 and 2	Continuity

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