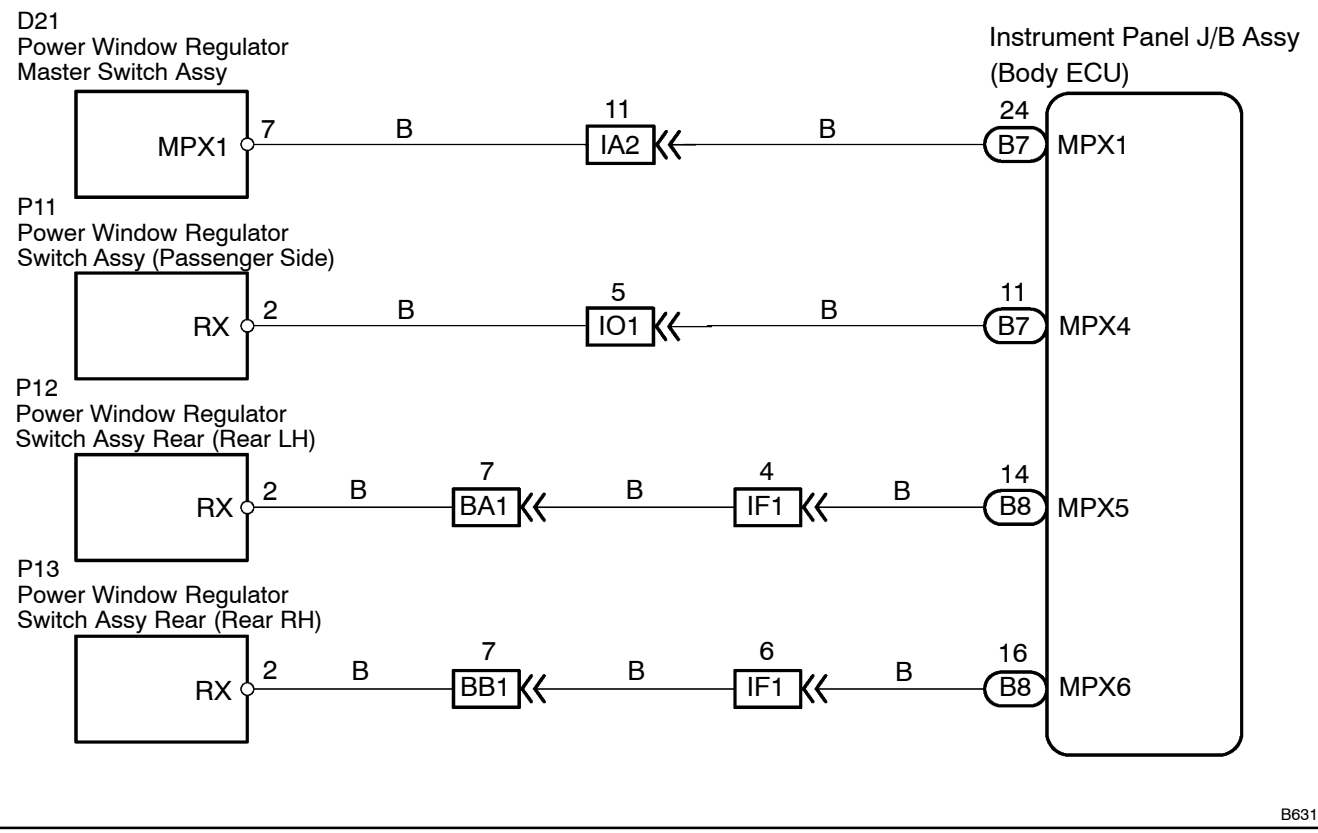
REMOTE UP/DOWN FUNCTION DOES NOT OPERATE (LHD MODELS)

CIRCUIT DISCRIPTION

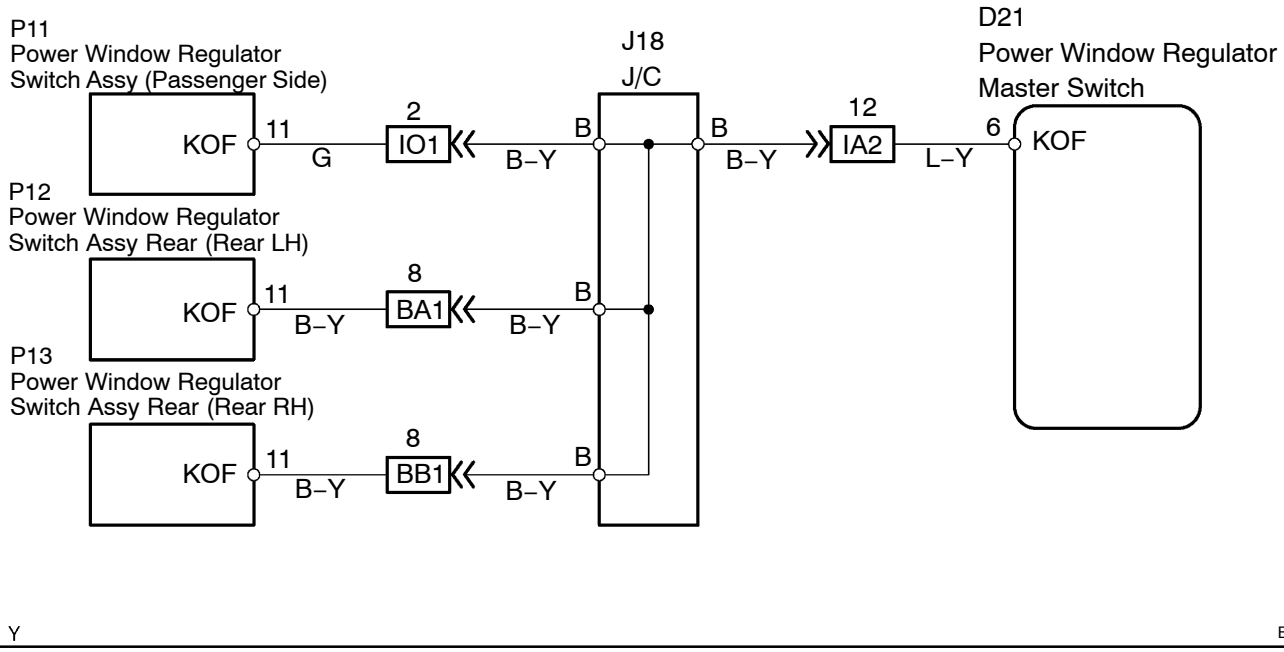
If the remote control does not operate, the remote function may have been disabled by a malfunction that was detected in the power window circuit. Also, if any power window switch or the wire harness has a malfunction, the remote control for the applicable power window does not function.

WIRING DIAGRAM

Remote Operation Circuit



Window Lock Switch Circuit



INSPECTION PROCEDURE

HINT:

Check which power window cannot be operated, and then proceed with the troubleshooting for the applicable power window as shown in the table below.

Position	Go To Step
Passenger side	1
Rear LH	5
Rear RH	9
All	13

1 CHECK MANUAL UP/DOWN FUNCTION (PASSENGER SIDE)

(a) Check that the door glass can be operated by the power window switch.

NG → **OTHER PROBLEM (See page 05–1621)**

OK

2 INSPECT POWER WINDOW REGULATOR MASTER SWITCH ASSY

(a) Using the hand–held tester, check operation of the master switch using the data list.

Standard:

Data list in D–DOOR ECU:

Measurement Item	Label	Parameter
Passenger switch on master switch	P P/W AUTO SW	ON/OFF

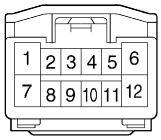
NG → **REPLACE POWER WINDOW REGULATOR MASTER SWITCH ASSY**

OK

3 CHECK HARNESS AND CONNECTOR (FOR POWER WINDOW SWITCH)

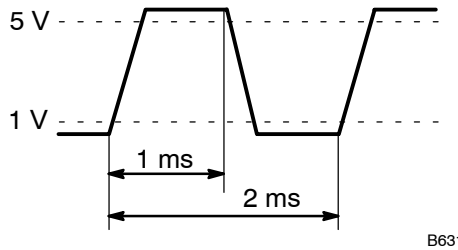
Wire Harness Side

P11
Power Window Regulator Switch Assy (Passenger Side)



B52051

(a) Disconnect the P11 power window switch connector.
(b) Turn the ignition switch ON.
(c) Using an oscilloscope, check the waveform of terminal 2 of the wire harness side connector when operating the passenger side switch of the power window master switch.



B63196

Standard:
The waveform is as shown in the illustration.

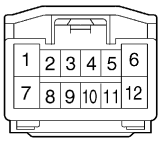
OK → **REPLACE POWER WINDOW REGULATOR SWITCH ASSY (PASSENGER SIDE)**

NG

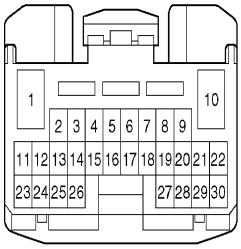
4 CHECK HARNESS AND CONNECTOR (POWER WINDOW SWITCH ⇔ BODY ECU)

Wire Harness Side

P11
Power Window Regulator Switch Assy (Passenger Side)



B7
Instrument Panel J/B Assy (Body ECU)



B52051
B63184

B63197

(a) Disconnect the B7 body ECU connector from the instrument panel J/B assy.
(b) Check the continuity between the terminals of the wire harness side connector.

Standard:

Terminal No.	Specified Condition
P11–2 ⇔ B7–11	Continuity
P11–2 ⇔ Body ground	No continuity

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

CHECK AND REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY (BODY ECU)

5 CHECK MANUAL UP/DOWN FUNCTION (REAR LH)

(a) Check that the power window can be operated by the power window switch.

NG → **OTHER PROBLEM (See page 05–1633)**

OK

6 INSPECT POWER WINDOW REGULATOR MASTER SWITCH ASSY

(a) Using the hand–held tester, check operation of the master switch using the data list.

Standard:

Data list in D–DOOR ECU:

Measurement Item	Label	Parameter
Rear LH switch on master switch	RL P/W AUTO SW	ON/OFF

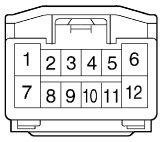
NG → **REPLACE POWER WINDOW REGULATOR MASTER SWITCH ASSY**

OK

7 CHECK HARNESS AND CONNECTOR (FOR POWER WINDOW SWITCH)

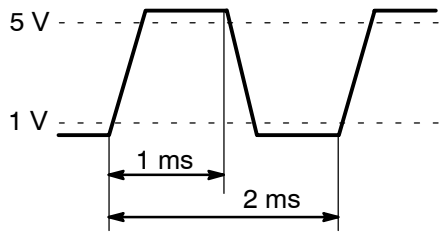
Wire Harness Side

P12
Power Window Regulator Switch Assy (Rear LH)



B52051

(a) Disconnect the P12 power window switch connector.
(b) Turn the ignition switch ON.
(c) Using an oscilloscope, check the waveform of the terminal 2 of the wire harness side connector when operating the rear LH switch of the master switch.



B63196

Standard:

The waveform is as shown in the illustration.

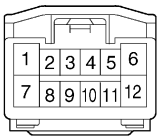
OK → **REPLACE POWER WINDOW REGULATOR SWITCH ASSY REAR (REAR LH)**

NG

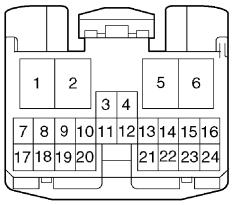
8 CHECK HARNESS AND CONNECTOR (POWER WINDOW SWITCH ⇔ BODY ECU)

Wire Harness Side

P12
Power Window Regulator Switch Assy (Rear LH)



B8
Instrument Panel J/B Assy (Body ECU)



B63198

(a) Disconnect the B8 body ECU connector from the instrument panel J/B assy.
(b) Check the continuity between the terminals of the wire harness side connector.

Standard:

Terminal No.	Specified Condition
P12–2 ⇔ B8–14	Continuity
P12–2 ⇔ Body ground	No continuity

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

CHECK AND REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY (BODY ECU)

9 CHECK MANUAL UP/DOWN FUNCTION (REAR LH)

(a) Check that the power window can be operated by the power window switch.

NG → **OTHER PROBLEM (See page 05–1636)**

OK

10 INSPECT POWER WINDOW REGULATOR MASTER SWITCH ASSY

(a) Using the hand–held tester, check operation of the master switch using the data list.

Standard:

Data list in D–DOOR ECU:

Measurement Item	Label	Parameter
Rear RH switch on master switch	RR P/W AUTO SW	ON/OFF

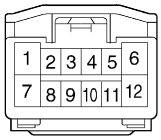
NG → **REPLACE POWER WINDOW REGULATOR MASTER SWITCH ASSY**

OK

11 CHECK HARNESS AND CONNECTOR (FOR POWER WINDOW SWITCH)

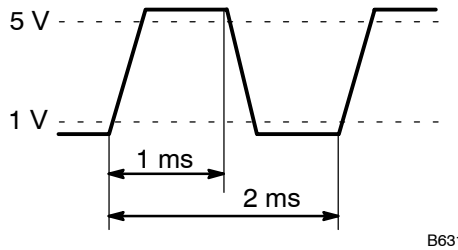
Wire Harness Side

P13
Power Window Regulator Switch Assy (Rear RH)



B52051

(a) Disconnect the P13 power window switch connector.
(b) Turn the ignition switch ON.
(c) Using an oscilloscope, check the waveform of the terminal 2 of the wire harness side connector when operating the rear RH switch of the master switch.



B63196

Standard:
The waveform is as shown in the illustration.

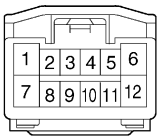
OK → **REPLACE POWER WINDOW REGULATOR SWITCH ASSY REAR (REAR RH)**

NG

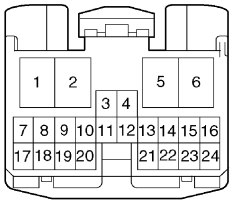
12 CHECK HARNESS AND CONNECTOR (POWER WINDOW SWITCH ⇔ BODY ECU)

Wire Harness Side

P13
Power Window Regulator Switch Assy (Rear RH)



B8
Instrument Panel J/B Assy (Body ECU)



B63198

(a) Disconnect the B8 body ECU connector from the instrument panel J/B assy.
(b) Check the continuity between the terminals of the wire harness side connector.

Standard:

Terminal No.	Specified Condition
P13–2 ⇔ B8–16	Continuity
P13–2 ⇔ Body ground	No continuity

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

CHECK AND REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY (BODY ECU)

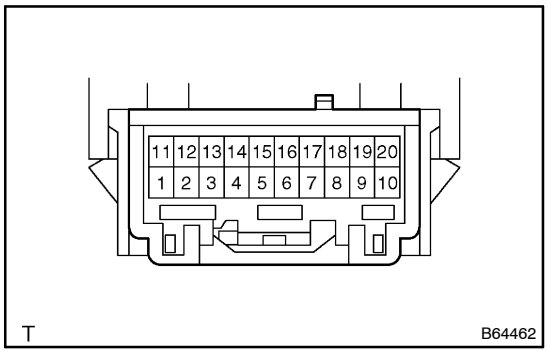
13	CHECK POWER WINDOW LOCK SWITCH

(a) Turn the window lock switch OFF and check that the remote function operates.

OK → END

NG

14	INSPECT POWER WINDOW REGULATOR MASTER SWITCH ASSY (FOR WINDOW LOCK SWITCH)



(a) Remove the master switch (the connector is connected).
(b) Turn the ignition switch ON.
(c) Check the voltage between terminal 6 and the body ground when operating the window lock switch on the master switch.

Standard:

Terminal No.	Window Lock Switch	Specified Condition
6 ⇔ body ground	ON	5 V
	OFF	Less than 1 V

NG → REPLACE POWER WINDOW REGULATOR MASTER SWITCH ASSY

OK

REPAIR OR REPLACE HARNESS AND CONNECTOR (MASTER SWITCH ⇔ EACH SWITCH)