Power Slide Door RH does not Operate When Using Inside / Outside Handle

DESCRIPTION

- The inside / outside handles have the ability to control operation of the power slide door. Pulling either handle transmits a request signal to the power slide door ECU RH, which then commands the power slide door control motor and clutch to open / close the power slide door.
- The slide door lock remote control assembly has the handle operation detect switch for detection of switch operation and also the child protection detect switch for the child lock function that disables the power slide door control switch RH function while the child lock is ON.
- If there is a malfunction detected in these 2 detection switches or the wire harness, replace the slide door lock remote control assembly RH.

WIRING DIAGRAM

See page ED-50.

INSPECTION PROCEDURE

1	OPERATION CHECK

(a) If the power slide door does not operate when trying to open it, proceed to A.
(b) If the power slide door does not operate when trying to close it, proceed to B.

B → Go to step 3

A

2	CHECK SLIDE DOOR CLOSER SYSTEM

(a) Check if the slide door closer system operates.

NG → GO TO SLIDE DOOR CLOSER SYSTEM

OK

3	READ VALUE OF INTELLIGENT TESTER

(a) Using the intelligent tester, check the DATA LIST for proper functioning of the handle operation detect switch.

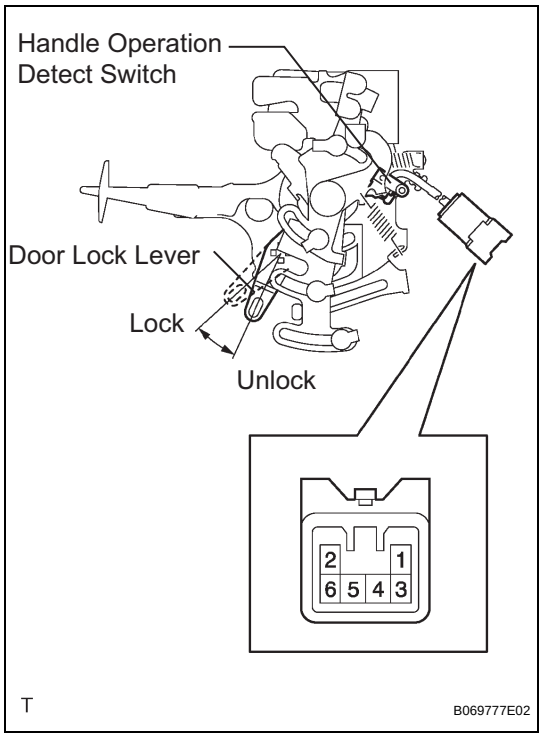
OK (Power slide door ECU RH):

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
HANDLE SW	Handle operation detect switch signal / ON or OFF	ON: Slide door inside / outside handle is pulled OFF: Slide door inside / outside handle is not pulled	-

OK → Go to step 6

NG

4 INSPECT SLIDE DOOR LOCK REMOTE CONTROL SUB-ASSEMBLY RH (HANDLE OPERATION DETECT SWITCH)



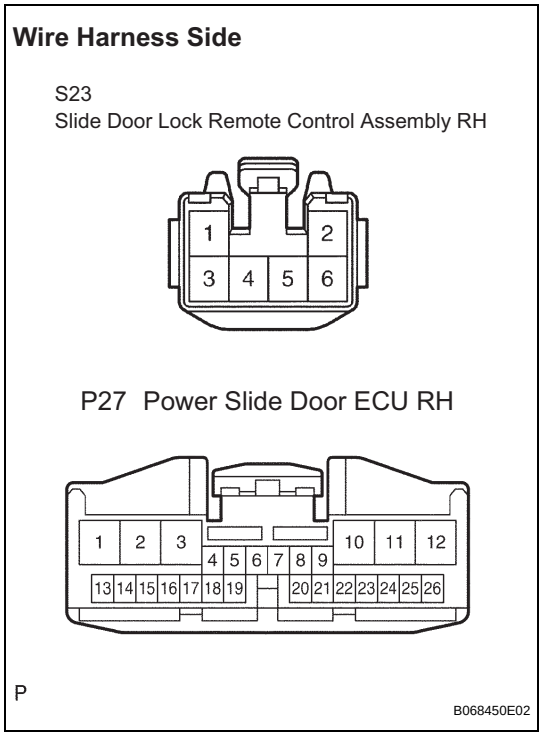
(a) Inspect the resistance of the switch.
Resistance

Terminal No.	Lever Position	Specified Condition
1 - 3	Unlock	10 kΩ or higher
	Lock	Below 1 Ω

NG → **REPLACE SLIDE DOOR LOCK REMOTE CONTROL SUB-ASSEMBLY RH**

OK

5 CHECK WIRE HARNESS (SLIDE DOOR LOCK REMOTE CONTROL - POWER SLIDE DOOR ECU RH)



(a) Disconnect the S23 remote control and P27 ECU connectors.
(b) Check the resistance between the wire harness side connectors.
Resistance (Check for open circuit)

Terminal No.	Specified Condition
S23-1 - P27-3 (HSW)	Below 1 Ω

(c) Check the resistance between the S23 remote control connector and body ground.
Resistance (Check for open circuit)

Terminal No.	Specified Condition
S23-3 - Body ground	Below 1 Ω

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

ED

OK

REPLACE POWER SLIDE DOOR ECU RH

6 READ VALUE OF INTELLIGENT TESTER

(a) Using the intelligent tester, check the DATA LIST for proper functioning of the child protection detect switch.

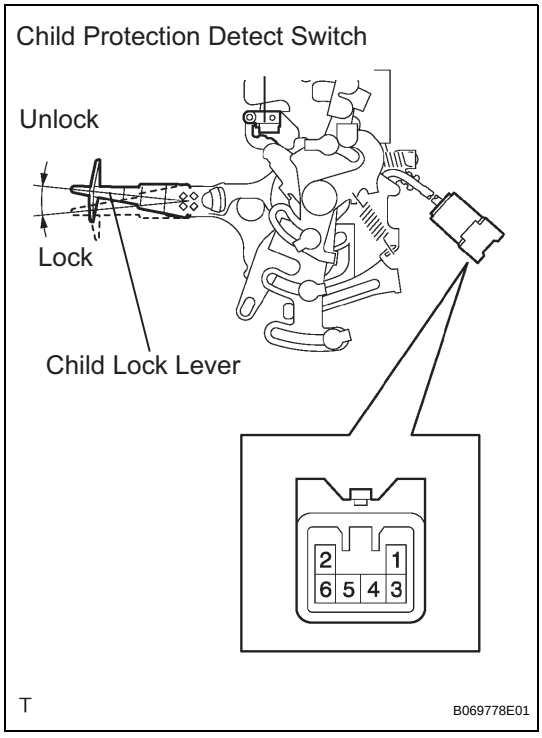
OK (Power slide door ECU RH):

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
CHILD LOCK SW	Child protection detect switch signal / ON or OFF	ON: Child lock lever is LOCK OFF: Child lock lever is UNLOCK	-

OK → **REPLACE POWER SLIDE DOOR ECU RH**

NG

7 INSPECT SLIDE DOOR LOCK REMOTE CONTROL SUB-ASSEMBLY RH (CHILD PROTECTION DETECT SWITCH)



(a) Inspect the resistance of the switch.
Resistance

Terminal No.	Lever Position	Specified Condition
4 - 5	Unlock	10 kΩ or higher
	Lock	Below 1 Ω

NG → **REPLACE SLIDE DOOR LOCK REMOTE CONTROL SUB-ASSEMBLY RH**

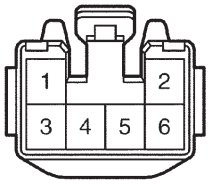
OK

ED

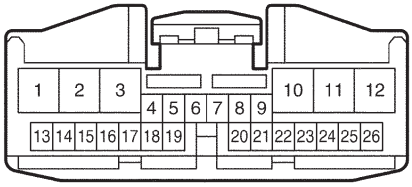
8	CHECK WIRE HARNESS (SLIDE DOOR LOCK REMOTE CONTROL - POWER SLIDE DOOR ECU RH)

Wire Harness Side

S23
Slide Door Lock Remote Control Assembly RH



P27 Power Slide Door ECU RH



P

B068450E02

(a) Disconnect the S23 switch and P27 ECU connectors.
(b) Check the resistance between the wire harness side connectors.
Resistance (Check for open circuit)

Terminal No.	Specified Condition
S23-5 - P27-18 (CPSW)	Below 1 Ω

(c) Check the resistance between the S23 switch connector and body ground.
Resistance (Check for open circuit)

Terminal No.	Specified Condition
S23-4 - Body ground	Below 1 Ω

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

OK

REPLACE POWER SLIDE DOOR ECU RH