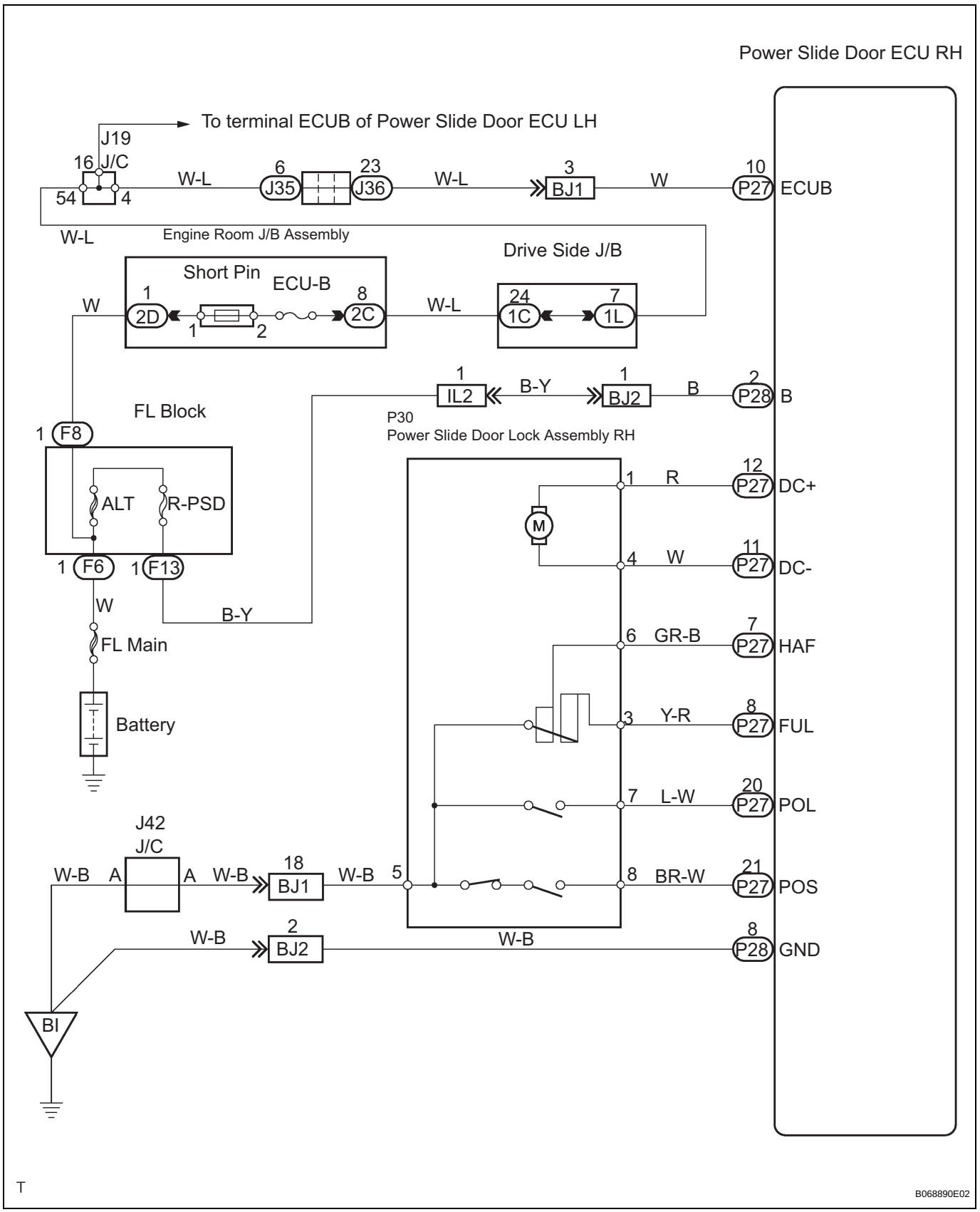
Slide Door Closer RH does not Operate

DESCRIPTION

The slide door ECU RH controls the slide door closer. In response to the signals output from the switches in the slide door lock, the slide door closer drives the closer motor.
HINT:
The slide door closer system operates regardless of the power slide door main switch ON / OFF.

WIRING DIAGRAM



ED

INSPECTION PROCEDURE

1 **INSPECT FUSE (ECU-B)**

(a) Inspect the ECU-B fuse.

NG → **REPLACE FUSE**

OK

2 **INSPECT SLIDE DOOR LOCK**

(a) Check that the slide door fully closes (fully locked) when the door is closed by hand.

NG → **IMPROPER FIT OF SLIDE DOOR, OR A FOREIGN OBJECT IS STRUCK IN SLIDE DOOR**

OK

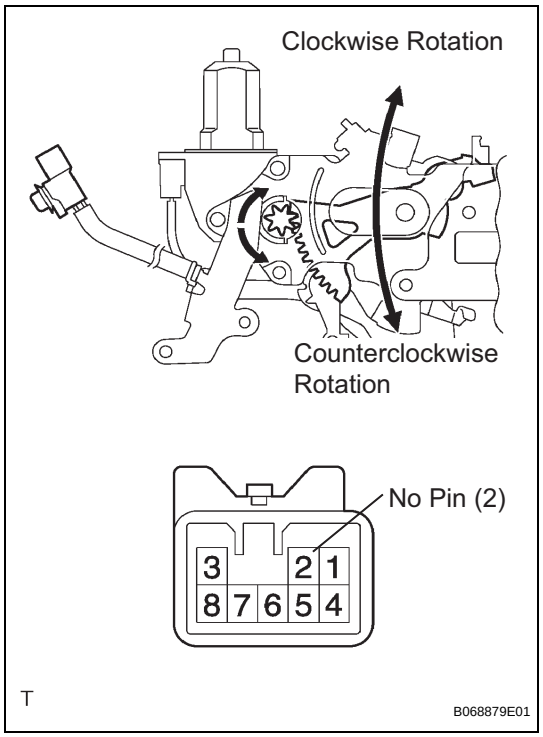
3 **POWER SOURCE RESET**

(a) Disconnect the ECU-B fuse and reconnect it. 10 seconds later, check that the back door closer is operational.

OK → **NORMAL**

NG

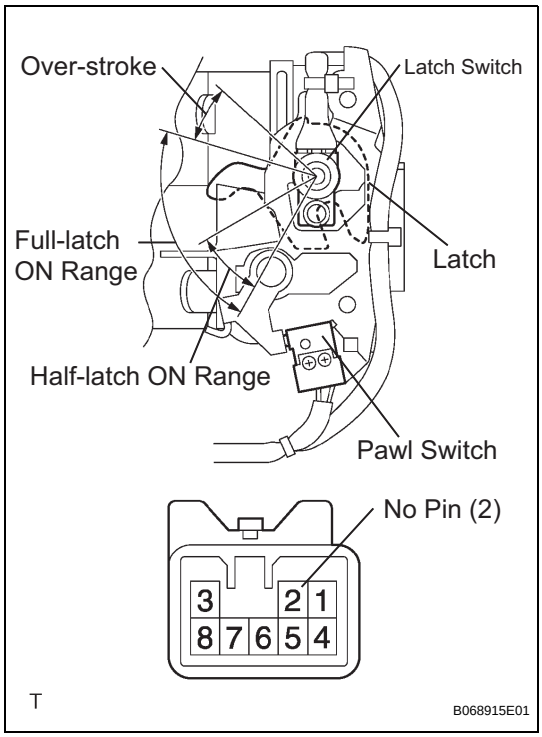
4 **INSPECT POWER SLIDE DOOR LOCK ASSEMBLY RH**



(a) Apply battery voltage to the terminals and check the motor operation.
OK

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 1 Battery negative (-) → Terminal 4	Clockwise Rotation
Battery positive (+) → Terminal 4 Battery negative (-) → Terminal 1	Counterclockwise Rotation

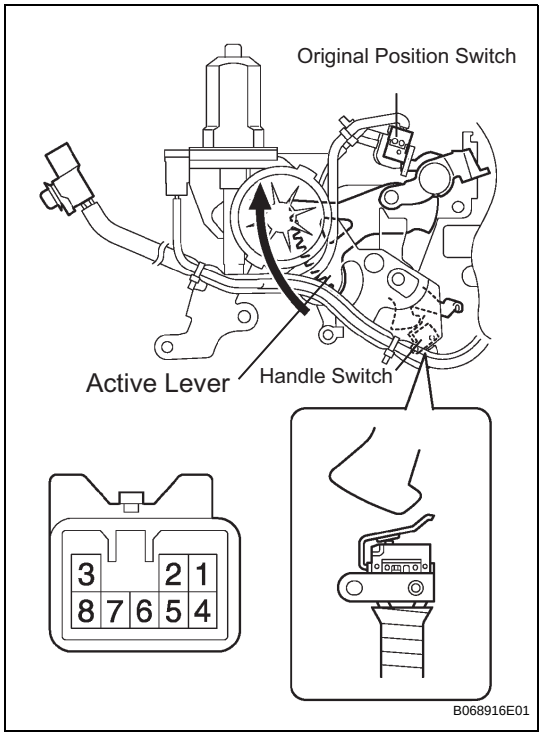
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(b) At each range of the latch, inspect the resistance of the pawl switch and latch switch.

Resistance

Terminal No.	Condition	Specified Condition
5 - 6	Half-latch ON range	Below 1 Ω
3 - 5	Full-latch ON range	
5 - 6 3 - 5	Over-stroke range	More than 10 kΩ



(c) Inspect the resistance of the original position switch and handle switch.

Resistance

Terminal No.	Original Position Switch	Handle Switch	Result
5 - 8	OFF (Active lever in original position)	ON (Handle in original position)	10 kΩ or higher
		OFF (Handle operated)	
	ON (Closer in operation)	ON (Handle in original position)	Below 1 Ω
		OFF (Handle operated)	10 kΩ or higher

NG → **REPLACE POWER SLIDE DOOR LOCK ASSEMBLY RH**

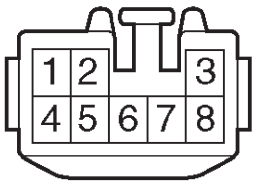
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OK

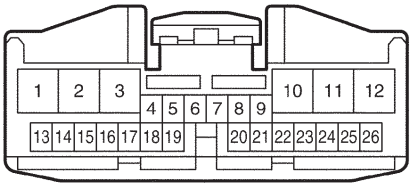
5	CHECK WIRE HARNESS (POWER SLIDE DOOR LOCK ASSEMBLY RH - POWER SLIDE DOOR ECU RH)

Wire Harness Side

P30 Power Slide Door Lock Assembly RH



P27 Power Slide Door ECU RH



P B068439E02

(a) Disconnect the P30 door lock and P27 ECU connectors.
(b) Check the resistance between the wire harness connectors.
Resistance (Check for open circuit)

Terminal No.	Specified Condition
P30-1 - P27-12 (DC+)	Below 1 Ω
P30-4 - P27-11 (DC-)	
P30-6 - P27-7 (HAF)	
P30-3 - P27-8 (FUL)	
P30-7 - P27-20 (POL)	
P30-8 - P27-21 (POS)	

(c) Check the resistance between the P30 lock connector and body ground.
Resistance (Check for open circuit)

Terminal No.	Specified Condition
P30-5 - Body ground	Below 1 Ω

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

OK

REPLACE POWER SLIDE DOOR ECU RH