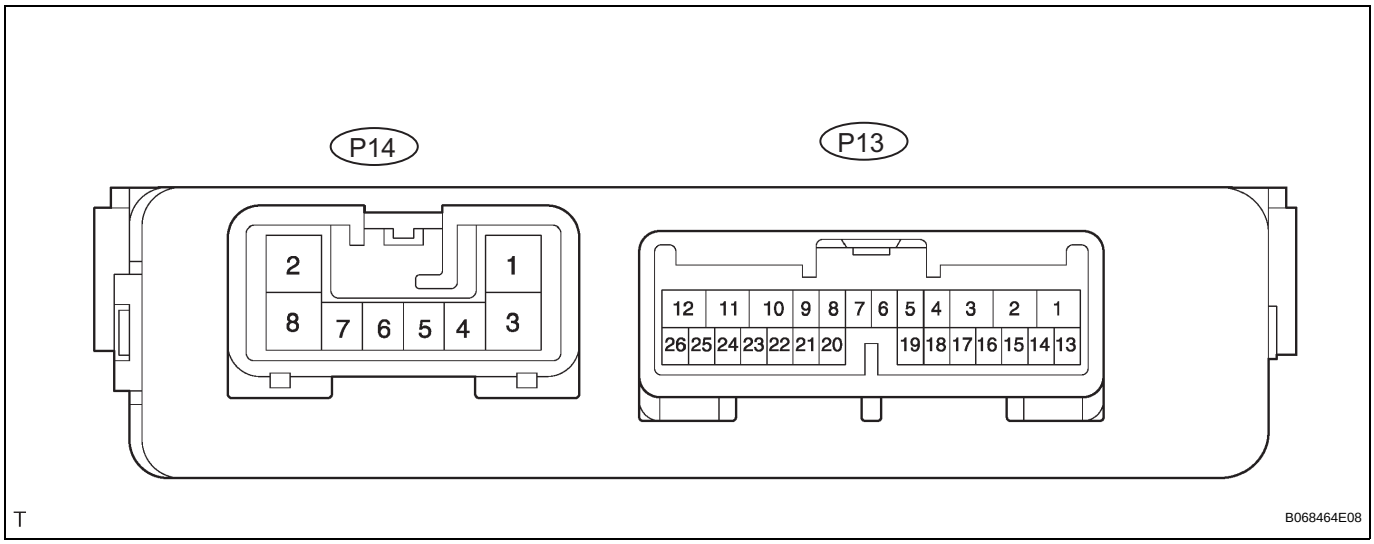
PROBLEM SYMPTOMS TABLE

POWER BACK DOOR SYSTEM

Symptom	Suspected Area	See page
Power back door does not operate when switch* is pressed (* Switch indicates the satellite switch for power back door)	1. ECU-B fuse	ED-142
	2. Power back door main switch	ED-142
	3. Satellite switch	ED-142
	4. Power back door touch sensor LH	ED-142
	5. Power back door touch sensor RH	ED-142
	6. Power back door drive unit	ED-142
	7. Back door lock assembly	ED-142
	8. Power back door ECU	ED-142
	9. Driver Side J/B assembly (multiplex network body ECU)	ED-142
	10. Wire harness	ED-142
Jam protection function is activated while power back door is operating (for some reasons*) (* It may be caused by ill-fitting back door, faulty touch sensor or faulty pulse sensor)	1. Fitting condition of back door	ED-157
	2. Power back door touch sensor LH	ED-157
	3. Power back door touch sensor RH	ED-157
	4. Power back door ECU	ED-157
	5. Wire harness	ED-157
Power back door warning buzzer does not sound	1. Power back door warning buzzer	ED-163
	2. Power back door ECU	ED-163
	3. Wire harness	ED-163

TERMINALS OF ECU

1. CHECK POWER BACK DOOR ECU



(a) Disconnect the P13 and P14 ECU connectors, and check the voltage or resistance of each terminal of the wire harness side connectors.

Terminal No.	Wiring Color	Condition	Specified Condition
P14-2 (B) - Body ground	B-R - Body ground	Constant	10 to 14 V
P13-10 (ECUB) - Body ground	W-L - Body ground	Constant	10 to 14 V
P13-9 (IG) - Body ground	B-R - Body ground	Ignition switch OFF → ON	0 V → 10 to 14 V
P14-8 (GND) - Body ground	W-B - Body ground	Constant	Below 1 Ω
P13-6 (MSW) - P13-5 (MSE)	L - W	Power back door main switch OFF → ON	Below 1 Ω → 10 kΩ or higher
P13-3 (HSW) - Body ground	G-B - Body ground	Back door opener switch OFF → ON	10 kΩ or higher → Below 1 Ω
P13-14 (OSL) - P13-15 (OSE)	G-W - Y-B	Power back door touch sensor LH FREE → PRESSED	Approx. 1 kΩ → Less than 100 Ω
P13-16 (OSR) - P13-15 (OSE)	BR-Y - Y-B	Power back door touch sensor RH FREE → PRESSED	Approx. 1 kΩ → Less than 100 Ω
P13-22 (MPX1) - Body ground	R-L - Body ground	BEAN line	10 kΩ or higher

If the result is not as specified, there may be a malfunction on the wire harness side.

(b) Reconnect the ECU connectors, and check the voltage of each terminal of the connectors.

Terminal No.	Wiring Color	Condition	Specified Condition
P14-4 (CTYO) - Body ground	G-W - Body ground	Back door CLOSED → OPEN	10 to 14 V → Below 1 V
P13-2 (BZR+) - Body ground	O - Body ground	• Buzzer that notifies the start of opening sounds at 2 cycles of approx. 0.5 sec. when A[*1] or B[*2] switch is pressed so that the power back door starts opening operation • All conditions necessary for warning buzzer to sound[*3] are met → Any condition necessary for warning buzzer to stop[*4] is met	• 10 to 14 V (2 cycles of approx. 0.5 sec.) • 10 to 14 V (a cycle of approx. 0.3 sec.) → 0 V
P13-1 (BZR-) - Body ground	LG - Body ground		
P13-26 (DSV) - P13-23 (DSG)	Y - GR	Constant	10 to 14 V
P13-25 (DS1) - P13-23 (DSG)	BR - GR	Back door fully closed and A or B switch turned ON → Back door in opening operation → Back door fully open	0 V → Alternating between 10 to 14 V and 0 V→ 0 V
P13-24 (DS2) - P13-23 (DSG)	L-B - GR		

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