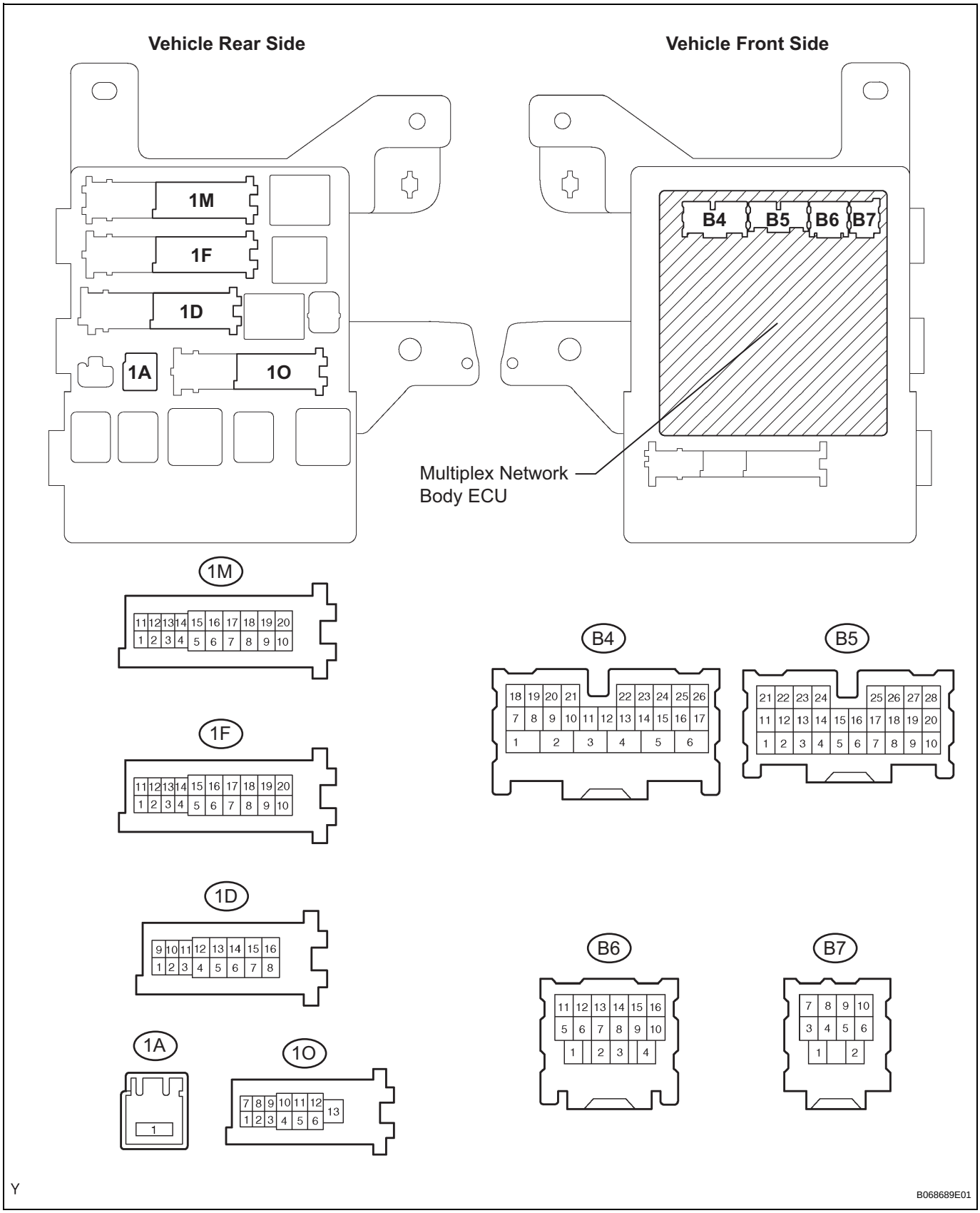
TERMINALS OF ECU

1. INSTRUMENT PANEL JUNCTION BLOCK (MULTIPLEX NETWORK BODY ECU)

(a) Disconnect the instrument panel J/B and multiplex network body ECU connectors.


Vehicle Rear Side
Vehicle Front Side
1M
1F
1D
1A
1O
B4
B5
B6
B7
Multiplex Network
Body ECU
1M
11 12 13 14 15 16 17 18 19 20
1 2 3 4 5 6 7 8 9 10
1F
11 12 13 14 15 16 17 18 19 20
1 2 3 4 5 6 7 8 9 10
1D
9 10 11 12 13 14 15 16
1 2 3 4 5 6 7 8
1A
1
1O
7 8 9 10 11 12 13
1 2 3 4 5 6
B4
18 19 20 21 22 23 24 25 26
7 8 9 10 11 12 13 14 15 16 17
1 2 3 4 5 6
B5
21 22 23 24 25 26 27 28
11 12 13 14 15 16 17 18 19 20
1 2 3 4 5 6 7 8 9 10
B6
11 12 13 14 15 16
5 6 7 8 9 10
1 2 3 4
B7
7 8 9 10
3 4 5 6
1 2
Y
B068689E01

(b) Check the voltage or resistance according to the value(s) in the table below (wire harness side connector).

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
BATB (1A-1) - Body ground	W*1 - Body ground	+B (power system, generator system) power supply	Always	10 to 14 V
BATB (1A-1) - Body ground	B*2 - Body ground	+B (power system, generator system) power supply	Always	10 to 14 V
BECU (1D-10) - Body ground	L-B - Body ground	+B (BECU) power supply	Always	10 to 14 V
ALTB (1D-16) - Body ground	W - Body ground	+B (power system, generator system) power supply	Always	10 to 14 V
GND1 (1F-10) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω
GND2 (1M-9) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω
LCTY (1O-7) - Body ground	B - Body ground	Rear courtesy light switch LH input	Rear door LH closed → opened	10 kΩ or higher → Below 1 Ω
KSW (B4-21) - Body ground	B - Body ground	Unlock warning switch input	No key in ignition key cylinder → key inserted	10 kΩ or higher → Below 1 Ω
PCTY (B5-23) - Body ground	L - Body ground	Passenger side courtesy light switch input	Passenger side door closed → opened	10 kΩ or higher → Below 1 Ω
BCTY (B5-25) - Body ground	P - Body ground	Back door courtesy light switch input	Back door closed → opened	10 kΩ or higher → Below 1 Ω
DCTY (B6-14) - Body ground	L - Body ground	Driver side courtesy light switch input	Driver side door closed → opened	10 kΩ or higher → Below 1 Ω
RCTY (B6-16) - Body ground	GR - Body ground	Rear courtesy light switch RH input	Rear door RH closed → opened	10 kΩ or higher → Below 1 Ω

HINT:

- *1: w/ Air suspension system
- *2: w/o Air suspension system
- If the result is not as specified, there may be a malfunction on the wire harness side.

(c) Reconnect the instrument panel J/B and multiplex network body ECU connectors.

(d) Check the voltage according to the value(s) in the table below (ECU side connector).

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
HAZ (B4-2) - Body ground	Y - Body ground	Hazard warning light signal	Answer-back OFF → answer-back ON	10 to 14 V → Pulse generation
KSW (B4-21) - Body ground	B - Body ground	Unlock warning switch input	No key in the ignition key cylinder → key inserted	10 to 14 V → 0 V
BZR (B7-2) - Body ground	W - Body ground	Wireless door lock buzzer	Wireless door lock buzzer OFF → ON	0 V → Pulse generation
RDA (B6-12) - Body ground	LG - Body ground	Door control receiver input	No key in ignition key cylinder, all doors closed and transmitter switch OFF → ON	Below 1 V → Approx. 6 to 7 → Below 1 V

If the result is not as specified, the instrument panel J/B (multiplex network body ECU) may have a malfunction.

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