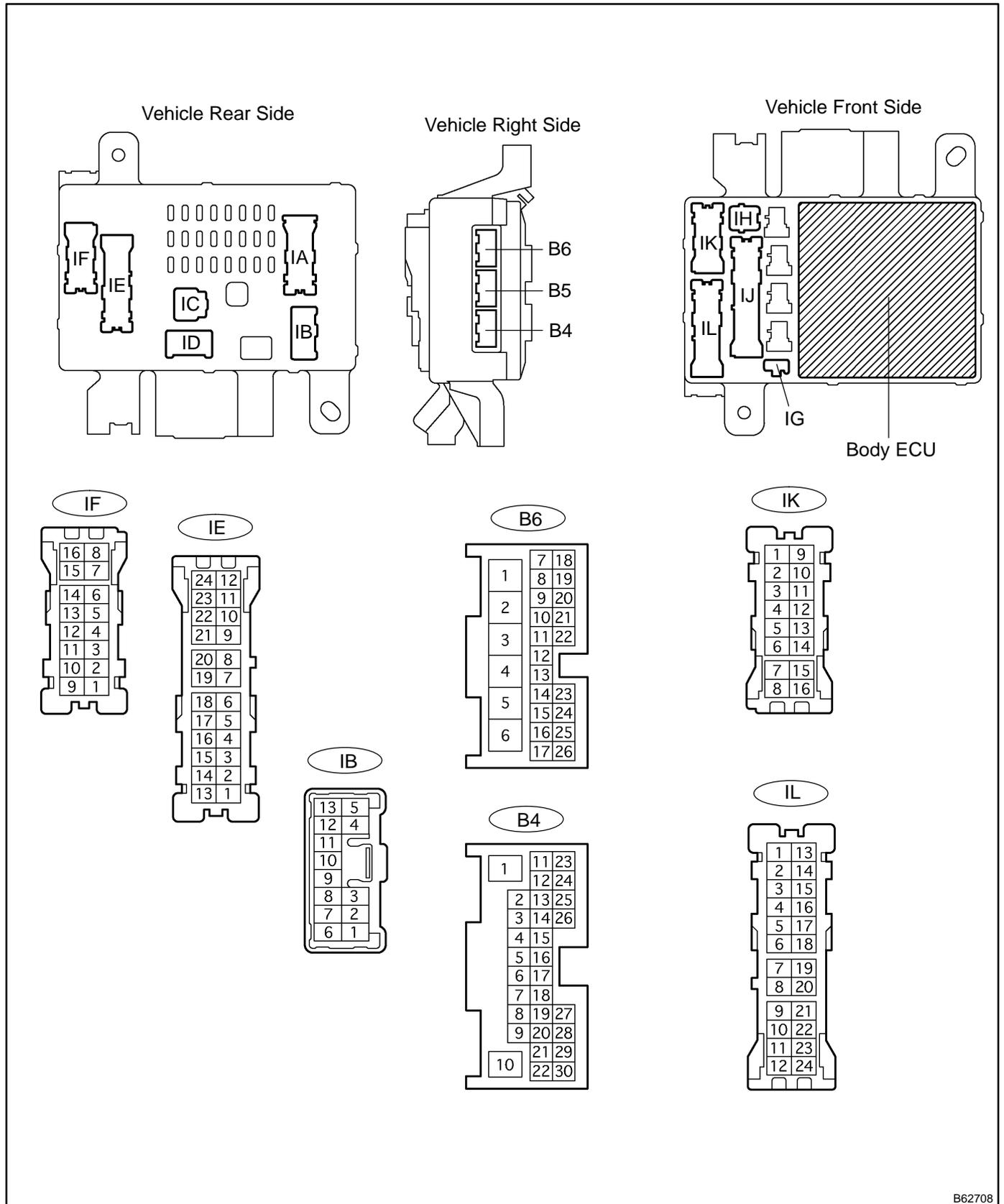


# TERMINALS OF ECU

## 1. CHECK INSTRUMENT PANEL JUNCTION BLOCK ASSY (BODY ECU)



B62708

- (a) Disconnect the IB, IE, IF, IH, IK, IL, B4 and B6 J/B connectors, and check the voltage or continuity of each terminal of the vehicle side connectors.

**Standard:**

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
BDR1 (IE-9) ↔ Body Ground	G-W ↔ -	Constant	10 - 14 V
BECU (IB-4) ↔ Body Ground	W-R ↔ -	Constant	10 - 14 V
BECU (IF-12) ↔ Body Ground			
BECU (IL-4) ↔ Body Ground			
GND1 or GND2 (IH-2) ↔ Body Ground	W-B ↔ -	Constant	Continuity
KSW (B6-14) ↔ Body Ground	G-Y ↔ -	No key inserted in ignition key cylinder → Key inserted	No continuity → Continuity
L1(IK-5) ↔ Body Ground	L-W ↔ -	Door control switch (Master switch) OFF → LOCK	No continuity → Continuity
UL1 (IK-1) ↔ Body Ground	L-O ↔ -	Door control switch (Master switch) OFF → UNLOCK	No continuity → Continuity
L2 (IK-3) ↔ Body Ground	L ↔ -	Driver side door key cylinder OFF → LOCK	No continuity → Continuity
UL3 (B4-12) ↔ Body Ground	G ↔ -	Driver side door key cylinder OFF → UNLOCK twice (within 3 sec.)	No continuity → Continuity

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

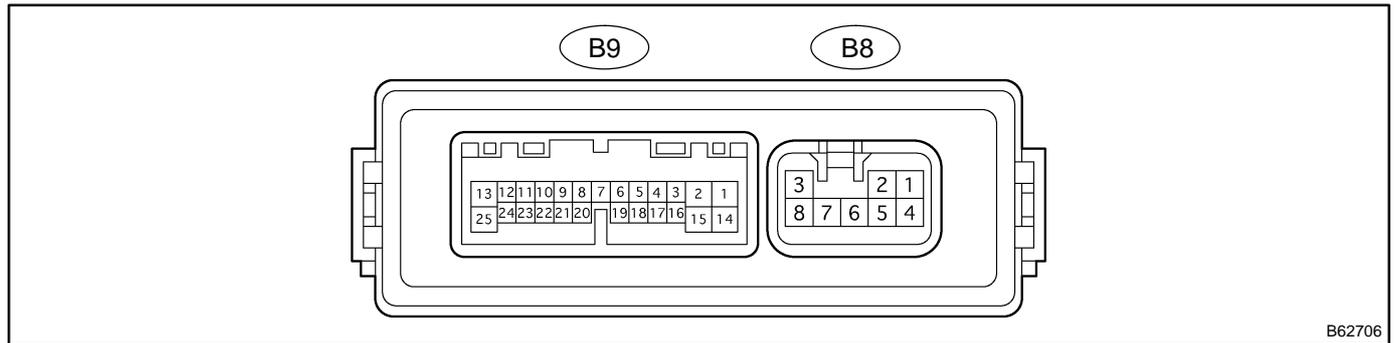
- (b) Reconnect the J/B connectors IB, IE, IF, IH, IK, IL, B4 and B6, and check the voltage of each terminal of the connectors.

**Standard:**

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
DCTY (B5-23) ⇔ Body Ground	R-B ⇔ -	Driver door CLOSED → OPEN	10 - 14 V → Below 1 V
ACT+ (IL-9) ⇔ Body Ground	L-R ⇔ -	Door control switch (master switch or passenger side switch) or driver door key cylinder OFF → LOCK	Below 1 V → 10 - 14 V → Below 1 V
ACT+ (IL-6) ⇔ Body Ground	L-R ⇔ -		
ACT+ (IL-11) ⇔ Body Ground	L-R ⇔ -		
ACT+ (IL-10) ⇔ Body Ground	L-R ⇔ -		
ACT- (IL-18) ⇔ Body Ground	L-B ⇔ -	Door control switch (master switch or passenger side switch) or driver door key cylinder OFF → LOCK	Below 1 V → 10 - 14 V → Below 1 V
ACT- (IL-23) ⇔ Body Ground	L-B ⇔ -		
ACT- (IL-22) ⇔ Body Ground	L-B ⇔ -		
ACTD (B4-10) ⇔ Body Ground	L-B ⇔ -	Driver side door key cylinder OFF → 2-step unlocking	Below 1 V → 10 - 14 V → Below 1 V
LSWD (B4-21) ⇔ Body Ground	W-R ⇔ -	Driver side door UNLOCK → LOCK	10 - 14 V → Below 1 V
LSWP (B4-30) ⇔ Body Ground	B-W ⇔ -	Passenger side door UNLOCK → LOCK	10 - 14 V → Below 1 V
LSR (IL-16) ⇔ Body Ground	W ⇔ -	Rear left door UNLOCK → LOCK	10 - 14 V → Below 1 V
LSR (IK-15) ⇔ Body Ground	W ⇔ -	Rear right door UNLOCK → LOCK	10 - 14 V → Below 1 V

If the result is not as specified, the vehicle may be defective. In this case, check the harness, connector and fuse between the ECU and battery. Then repair or replace it if necessary.

## 2. CHECK MULTIPLEX NETWORK DOOR ECU BACK (BACK DOOR ECU)



B62706

- (a) Disconnect the B8 and B9 ECU connectors, and check the voltage or continuity of each terminal of the wire harness side connectors.

### Standard:

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
BDR (B8-4) ↔ Body Ground	L ↔ -	Constant	10 - 14 V
BECU (B8-5) ↔ Body Ground	L-R ↔ -	Constant	10 - 14 V
GND (B8-3) ↔ Body Ground	W-B ↔ -	Constant	Continuity
SIG (B8-6) ↔ Body Ground	B ↔ -	No key inserted in ignition key cylinder → Key inserted	No continuity → Continuity
HSW+ (B9-10) ↔ Body Ground	V-W ↔ -	Back door opener switch OFF → ON	No continuity → Continuity
HSW- (B9-22) ↔ Body Ground	LG-R ↔ -		
HALF (B9-6) ↔ Body Ground	R-G ↔ -	Back door OPEN → CLOSED	Continuity → No continuity
LSE (B9-21) ↔ Body Ground	B-R ↔ -	Constant	Continuity

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

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

### Standard:

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
ACT+ (B9-15) ↔ Body Ground	L-B ↔ -	Back door OPEN ☑ NOT COMPLETELY CLOSED ☑ Motor in normal rotation (Right turn) ☑ Motor in revers rotation (Left turn) ☑ Operation completed (Back door CLOSED)	Below 1 V → Below 1 V → 10 - 14 V → Below 1 V → Below 1 V
ACT- (B9-14) ↔ Body Ground	L-R ↔ -	Back door OPEN ☑ NOT COMPLETELY CLOSED ☑ Motor in normal rotation (Right turn) ☑ Motor in revers rotation (Left turn) ☑ Operation completed (Back door CLOSED)	Below 1 V → Below 1 V → Below 1 V → 10 - 14 V → Below 1 V
FULL (B9-7) ↔ Body Ground	G-Y ↔ -	Back door CLOSED → OPEN	10 - 14 V → Below 1 V
POS (B9-8) ↔ Body Ground	BR-W ↔ -	Back door OPEN → Closer in operation ☑ CLOSED	Below 1 V ☑ 10 - 14 V → Below 1 V

If the result is not as specified, the vehicle may be defective. In this case, check the harness, connector and fuse between the ECU and battery. Then repair or replace it if necessary.