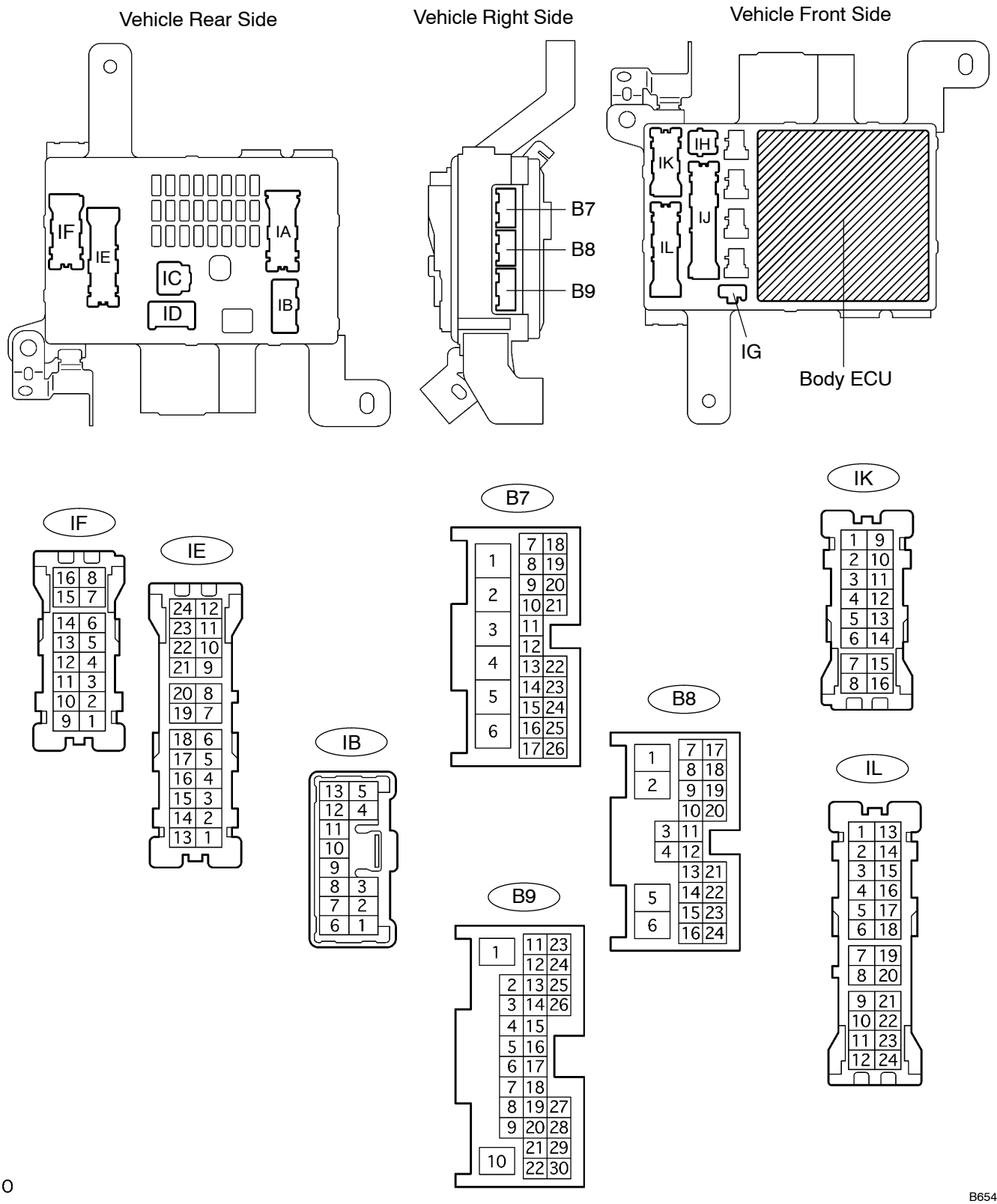
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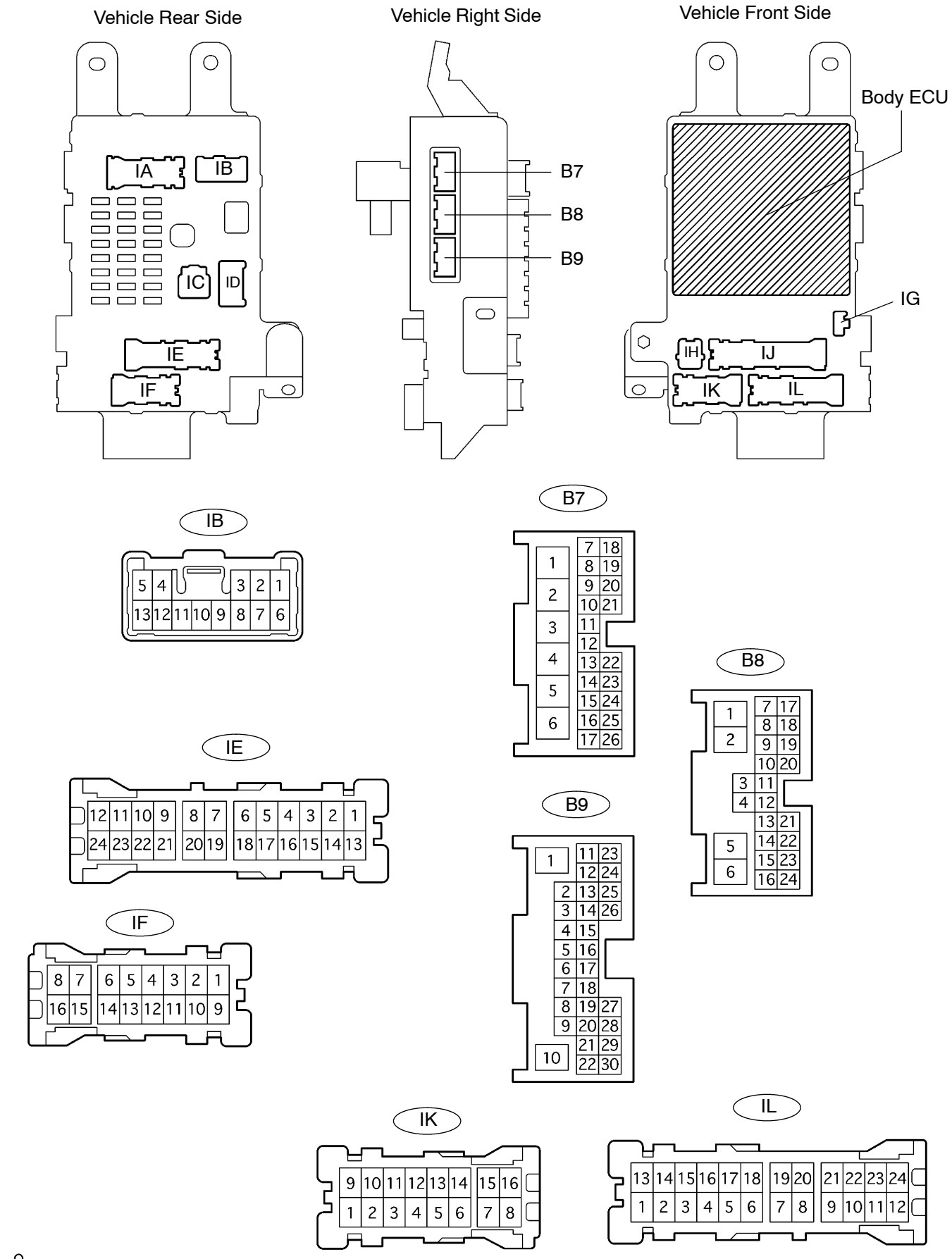
TERMINALS OF ECU

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

LHD Models



RHD Models



B65437

(a) Disconnect the IB, IE, IF, IH, IK, IL, B8 and B9 J/B connectors, and check the voltage and continuity of each terminal of the wire harness 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 (IL–4) ⇔ Body Ground	W–R ⇔ –		
*1 BECU (IF–12) ⇔ Body Ground	W–R ⇔ –		
GND1, 2 (IH–2) ⇔ Body Ground	W–B ⇔ –	Constant	Continuity
KSW (B9–14) ⇔ Body Ground	G–Y ⇔ –	No Key inserted in the ignition key cylinder → With Key inserted	No continuity → Continuity
*2 L1 (IK–5) ⇔ Body Ground	L–W ⇔ –	Door control switch (Master switch) OFF → LOCK	No continuity → Continuity
*2 UL1 (IK–1) ⇔ Body Ground	L–O ⇔ –	Door control switch (Master switch) OFF → UNLOCK	No continuity → Continuity
L2 (IK–3) ⇔ Body Ground	B–O ⇔ –	Driver door key cylinder OFF → LOCK	No continuity → Continuity
UL2 (B7–22) ⇔ Body Ground	G ⇔ –	Driver door key cylinder OFF → UNLOCK	No continuity → Continuity

HINT:

- *1: RHD models
- *2: w/o Jam protection function

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:

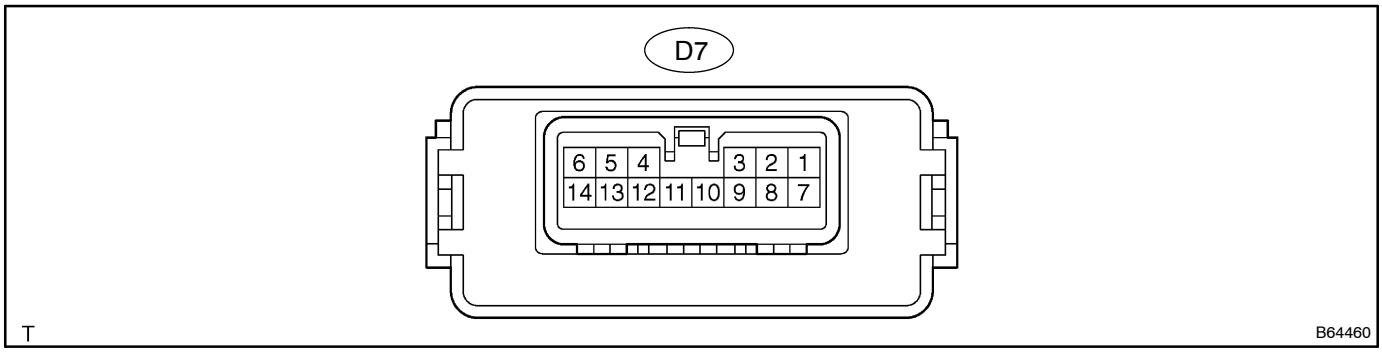
Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
DCTY (B8–23) ⇔ Body Ground	R–Y ⇔ –	Driver door CLOSED → OPEN	10 – 14 V → Below 1 V
PCTY (B8–24) ⇔ Body Ground	R–Y (*1 R–B) ⇔ –	Passenger door CLOSED → OPEN	10 – 14 V → Below 1 V
RLCY (B8–11) ⇔ Body Ground	P–B ⇔ –	Rear left door CLOSED → OPEN	10 – 14 V → Below 1 V
RRCY (B8–12) ⇔ Body Ground	P–L ⇔ –	Rear right door CLOSED → OPEN	10 – 14 V → Below 1 V
BCTY (B8–7) ⇔ Body Ground	R–L ⇔ –	Back 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 door key cylinder (driver or passenger) OFF → LOCK	Below 1 V → 10 – 14 V → Below 1 V
ACT+ (IL–6) ⇔ Body Ground	L–Y ⇔ –		
ACT+ (IL–11) ⇔ Body Ground	L–R ⇔ –		
ACT+ (IL–10) ⇔ Body Ground	L–R ⇔ –		
ACT+ (IL–12) ⇔ Body Ground	L–R ⇔ –		
*1 ACT+ (IF–14) ⇔ Body Ground	*1 L–R ⇔ –		
ACT– (IL–21) ⇔ Body Ground	L–B ⇔ –	Door control switch (master switch or passenger side switch) or door key cylinder (driver or passenger) OFF → LOCK	Below 1 V → 10 – 14 V → Below 1 V
ACT– (IL–18) ⇔ Body Ground	L–B ⇔ –		
ACT– (IL–23) ⇔ Body Ground	L–B ⇔ –		
ACT– (IL–22) ⇔ Body Ground	L–B (*1 B–W) ⇔ –		
ACT– (IL–24) ⇔ Body Ground	L–B (*1 B–W) ⇔ –		
*1 ACT– (IF–6) ⇔ Body Ground	*1 B–W ⇔ –		
*2 LSWD (B7–21) ⇔ Body Ground	*2 B–W ⇔ –	Driver door UNLOCK → LOCK	Below 1 V → 10 – 14 V
LSWP (B7–30) ⇔ Body Ground	L–R (*1 L–B) ⇔ –	Passenger door UNLOCK → LOCK	Below 1 V → 10 – 14 V
LSR (IL–16) ⇔ Body Ground	W ⇔ –	Rear left door UNLOCK → LOCK	Below 1 V → 10 – 14 V
LSR (IK–15) ⇔ Body Ground	W ⇔ –	Rear right door UNLOCK → LOCK	Below 1 V → 10 – 14 V
LSR (IK–16, *1 IF–4) ⇔ Body Ground	W ⇔ –	Back door UNLOCK → LOCK	Below 1 V → 10 – 14 V
*1 LSR (IF–4) ⇔ Body Ground	*1 W ⇔ –		

HINT:

- *1: RHD models
- *2: w/o Jam protection function

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

2. W/ DOUBLE LOCK: CHECK DOOR OPENING RELAY ASSY (DOUBLE LOCK CONTROL RELAY)



(a) Disconnect the D7 relay connector.
(b) Check the voltage and continuity of each terminal of the wire harness side connectors.
Standard:

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
+B (D7–1) ⇔ Body ground	G–W ⇔ –	Constant	10 – 14 V
CPUB (D7–7) ⇔ Body ground	W–R ⇔ –	Constant	10 – 14 V
GND (D7–14) ⇔ Body ground	W–B ⇔ –	Constant	Continuity

If the result is not as specified, there may be a malfunction on the wire harness side.
(c) Reconnect the D7 relay connector, and check the voltage of each terminal of the connectors.
Standard:

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
DLPD (D7–5) ⇔ Body ground	G–Y ⇔ –	Double lock UNSET → SET	More than 5.0 V → Less than 1 V
DLPP (D7–6) ⇔ Body ground	G ⇔ –		
DLPR (D7–11) ⇔ Body ground	G–R ⇔ –		
DLPL (D7–12) ⇔ Body ground	G–B ⇔ –		
ACTS (D7–3) ⇔ Body ground	L–R ⇔ –	Double lock UNSET → SET	Below 1 V → 10 – 14 V
ACTR (D7–4) ⇔ Body ground	L–W ⇔ –	Double lock SET → UNSET	Below 1 V → 10 – 14 V

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