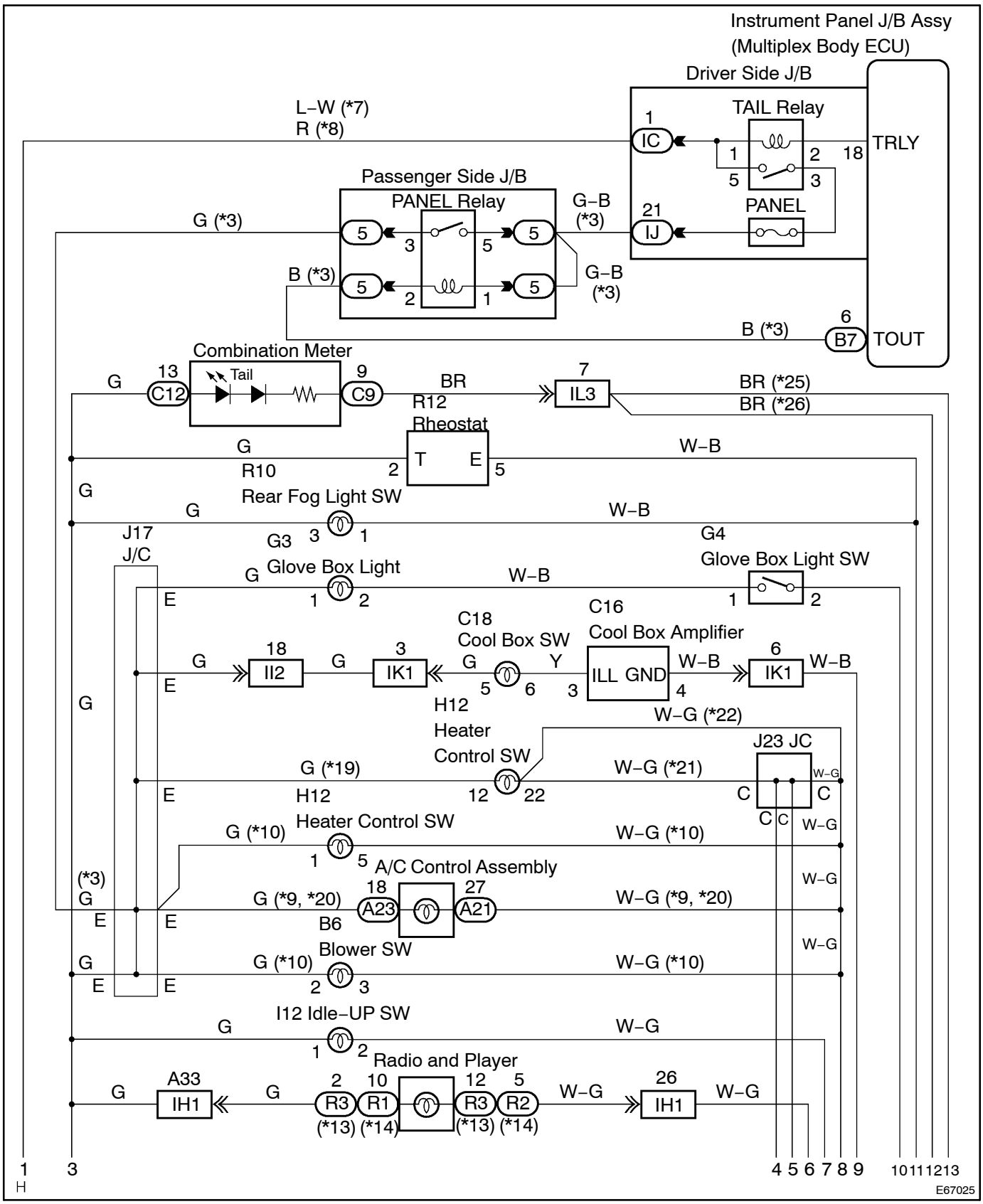
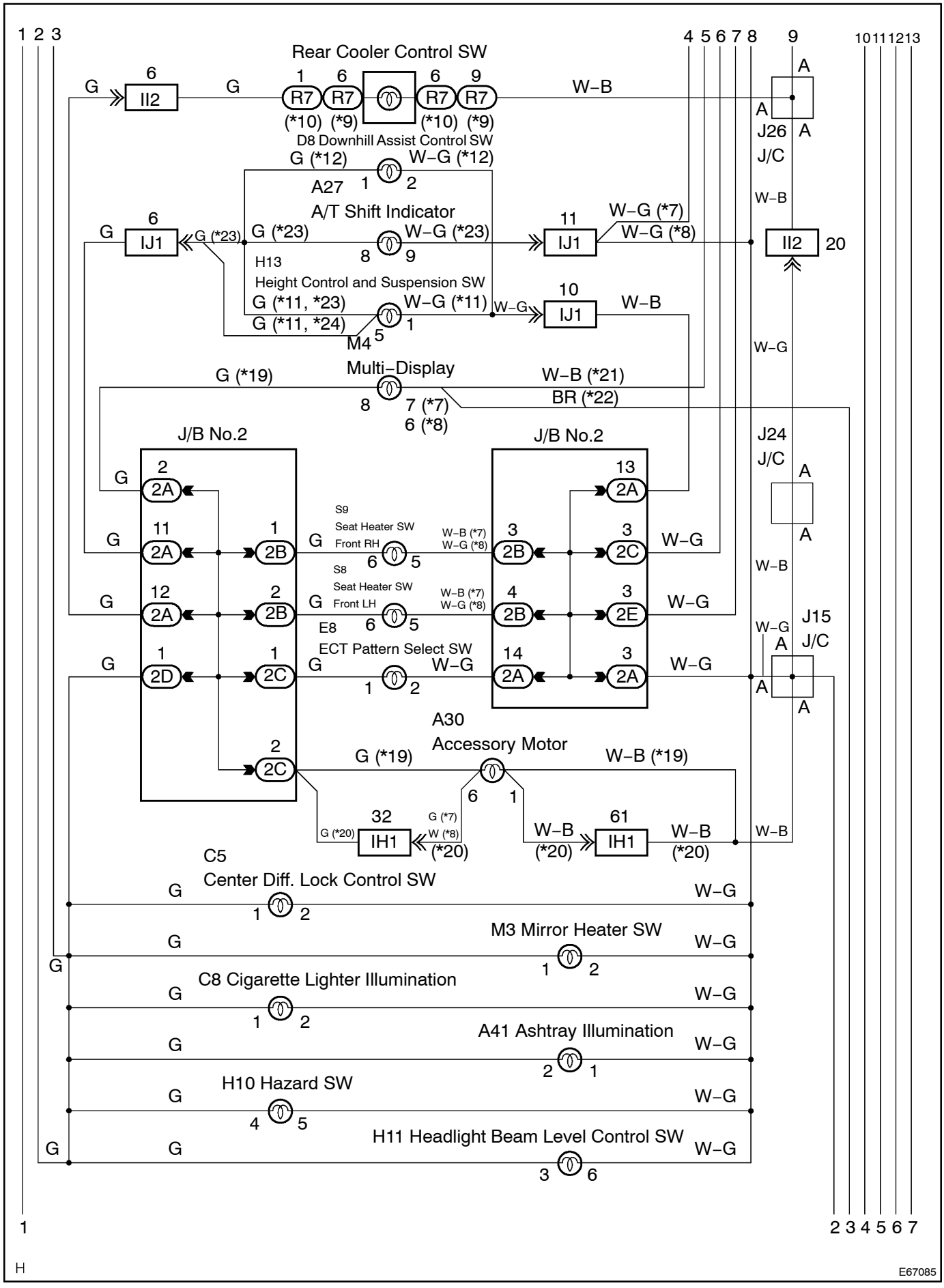
PANEL RELAY CIRCUIT

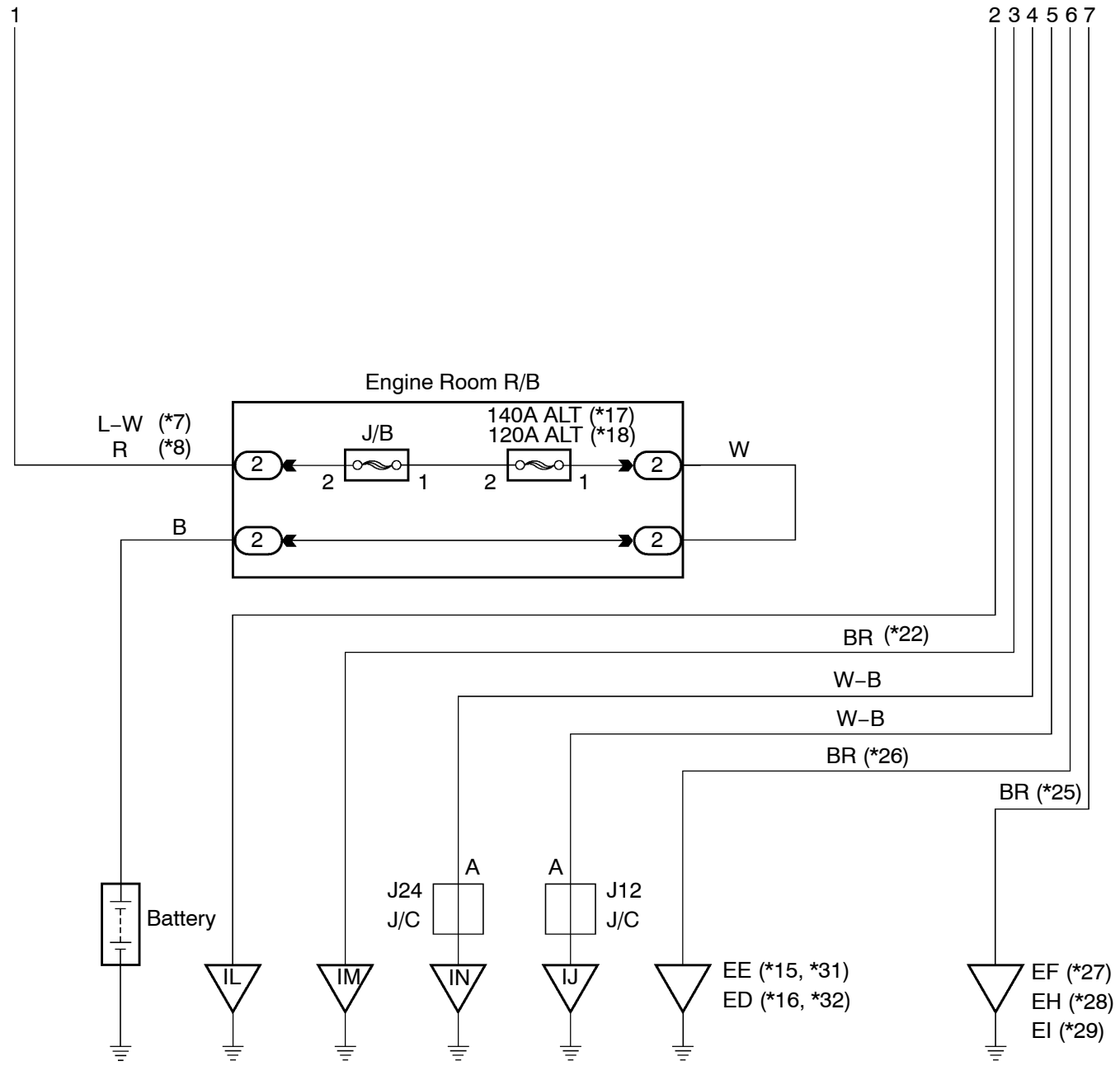
CIRCUIT DESCRIPTION

The Multiplex body ECU controls the PANEL relay.

WIRING DIAGRAM




Rear Cooler Control SW
D8 Downhill Assist Control SW
A27
A/T Shift Indicator
H13
Height Control and Suspension SW
M4
Multi–Display
J/B No.2
J/B No.2
S9
Seat Heater SW
Front RH
S8
Seat Heater SW
Front LH
E8
ECT Pattern Select SW
A30
Accessory Motor
C5
Center Diff. Lock Control SW
M3 Mirror Heater SW
C8 Cigarette Lighter Illumination
A41 Ashtray Illumination
H10 Hazard SW
H11 Headlight Beam Level Control SW
J26
J/C
J24
J/C
J15
J/C
E67085



*1: Spare Tire–Back Door Mounted
*2: Spare Tire–Under Floor Mounted
*3: w/ Daytime Running Light
*4: w/o Daytime Running Light
*5: Except Built–In Type
*6: Built–In Type
*7: LHD
*8: RHD
*9: Automatic A/C
*10: Manual A/C
*11: w/ Active Height Control Suspension and Electric Modulated Air Suspension
*12: A/T w/ VSC
*13: Separate Type Amplifier
*14: Built–In Type Amplifier
*15: 3RZ–FE Unleaded Gasoline
*16: 3RZ–FE Leaded Gasoline
*17: w/ PTC
*18: w/o PTC
*19: w/ EMV
*20: w/o EMV
*21: LHD w/ EMV
*22: RHD w/ EMV
*23: A/T
*24: M/T
*25: Diesel
*26: 3RZ–FE
*27: 1KD–FTV
*28: 1KZ–TE
*29: 5L–E
*30: Except 5–Door
*31: Intake Manifold
*32: Ignition Coil Bracket

H

E65622

INSPECTION PROCEDURE

HINT:
Start the inspection from step 1 in the case of using the hand–held tester, and start from step 2 in the case of not using hand–held tester.

1	PERFORM ACTIVE TEST BY HAND–HELD TESTER

(a) Connect the hand–held tester to DLC3.
(b) Turn the ignition switch ON and push the hand–held tester main SW ON.
(c) Select the item in the ACTIVE TEST and then check that the relay operates.

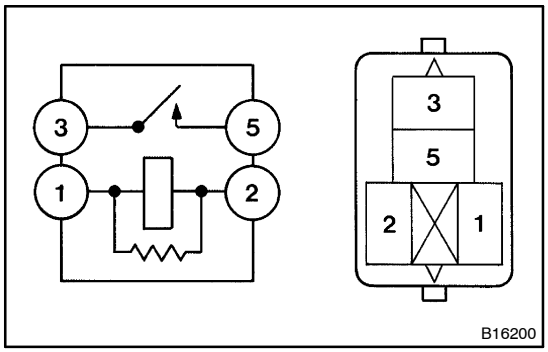
Item	Test Details	Diagnostic Note
INT PANEL RLY*	Turns PANEL relay ON/OFF	–

HINT:
*: Denmark, Sweden, Iceland, Finland and North models only

OK → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE(SEE PAGE 05–1346)**

NG

2	INSPECT PANEL RELAY



(a) Inspect relay continuity.

Condition	Tester connection	Specified condition
Always	1 – 2	Continuity
Always	3 – 5	No continuity
Apply B+ between terminal 1 and 2	3 – 5	Continuity

NG → **REPLACE PANEL RELAY**

OK

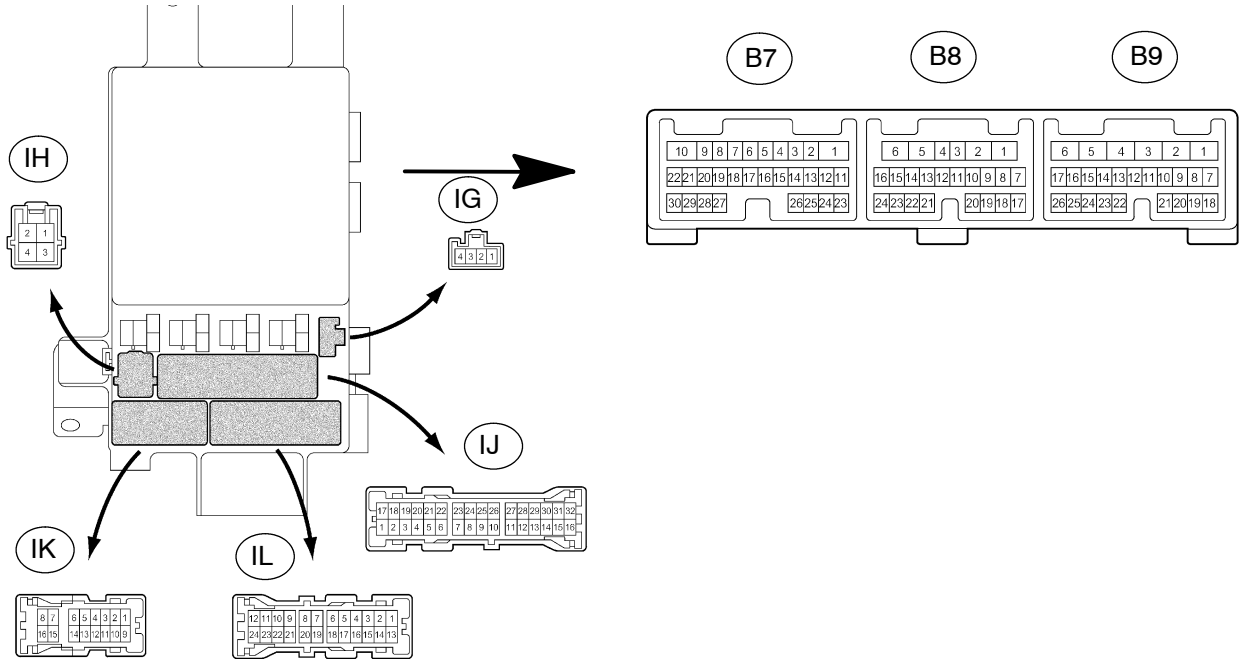
3	INSPECT INSTRUMENT PANEL JUNCTION BLOCK ASSY(TOUT)

(a) Disconnect the connector from the instrument panel J/B.
(b) Measure voltage between terminal TOUT of the instrument panel J/B and body ground with wire harness side.

Standard:

Terminal No.	Condition	Specified condition
B7–6 ⇔ body ground (TOUT ⇔ body ground)	Turn IG switch ON and headlamp dimmer switch OFF → TAIL or HEAD	10–14 V → 0 V

Instrument Panel J/B



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

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (SEE PAGE 05–1346)