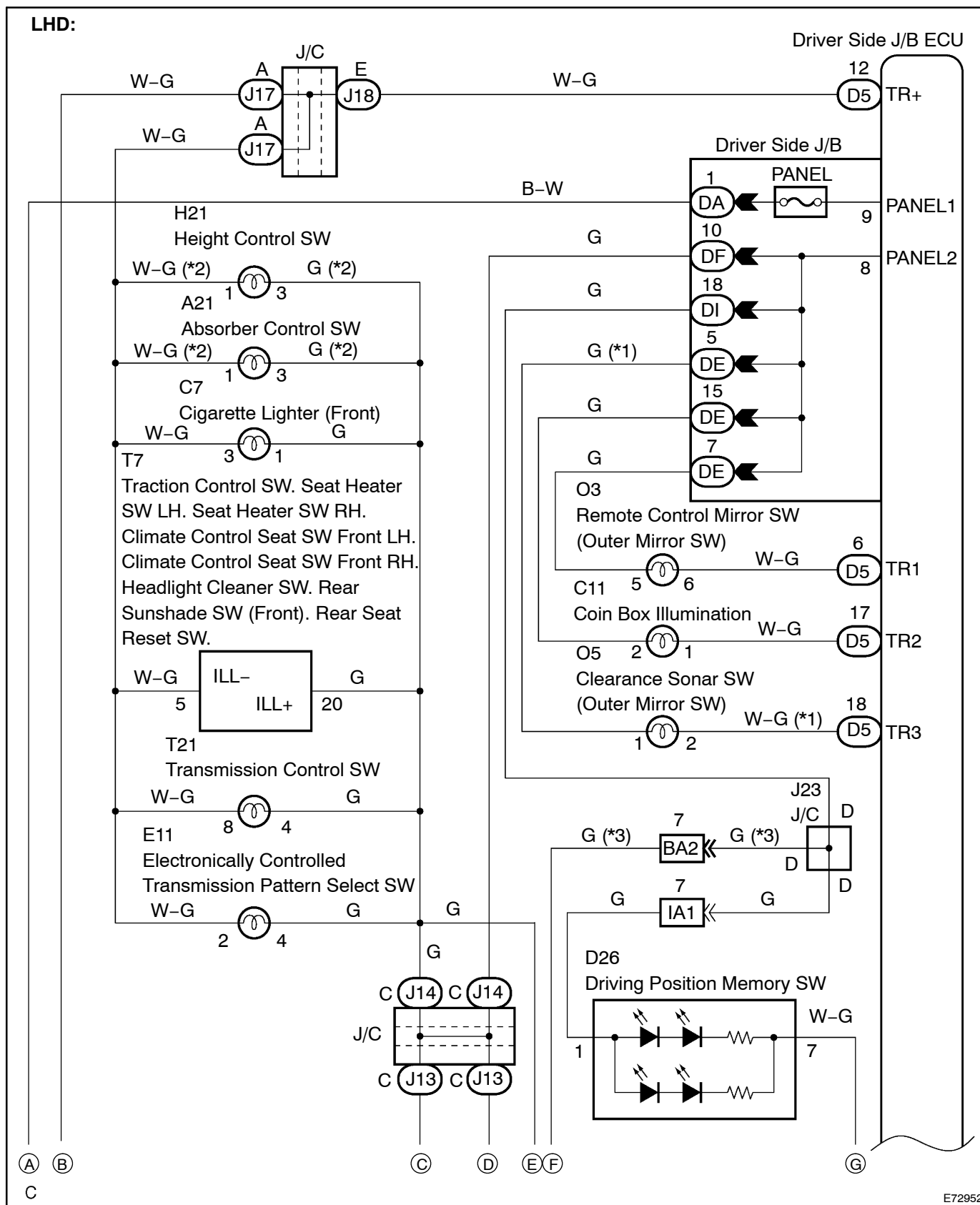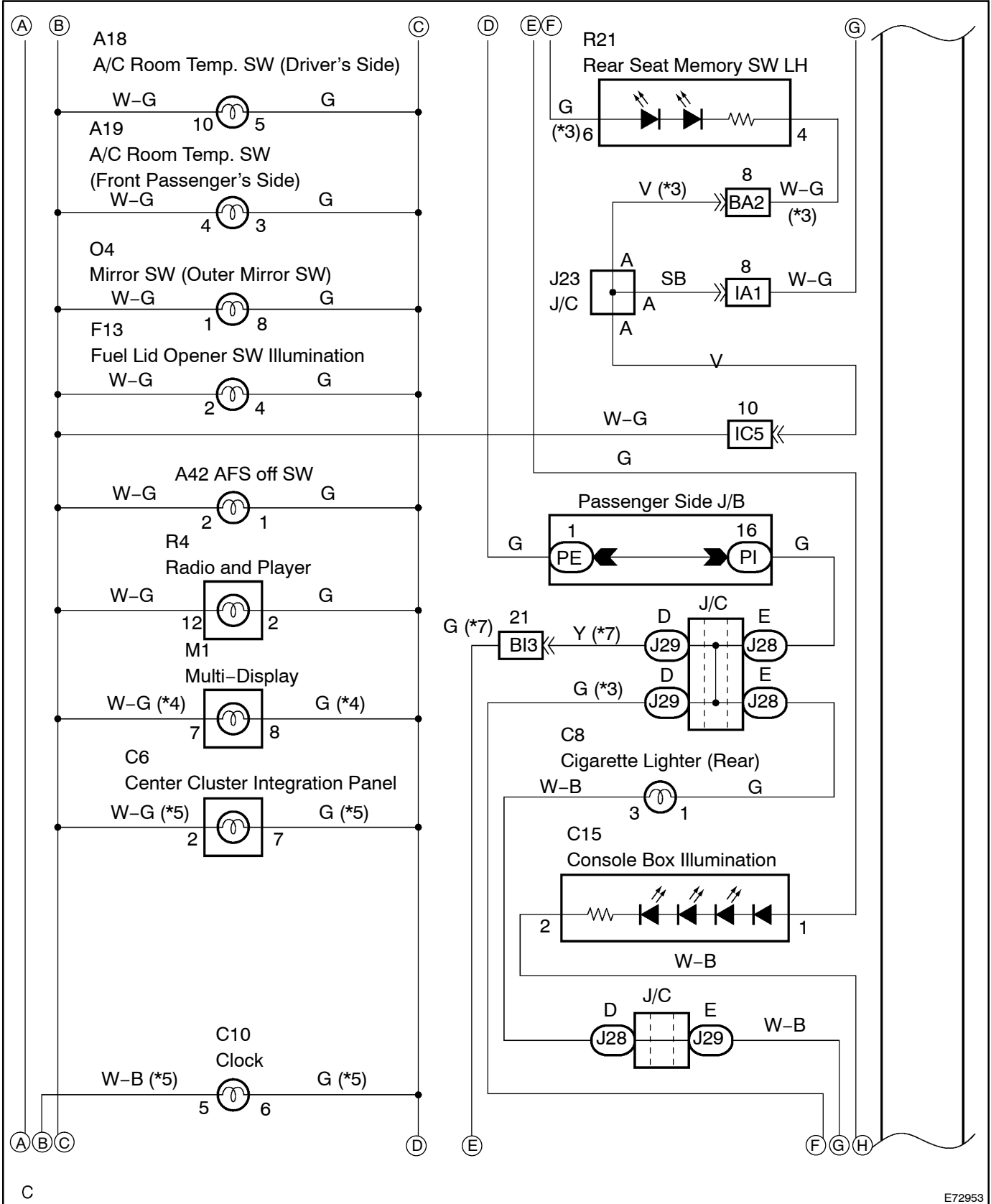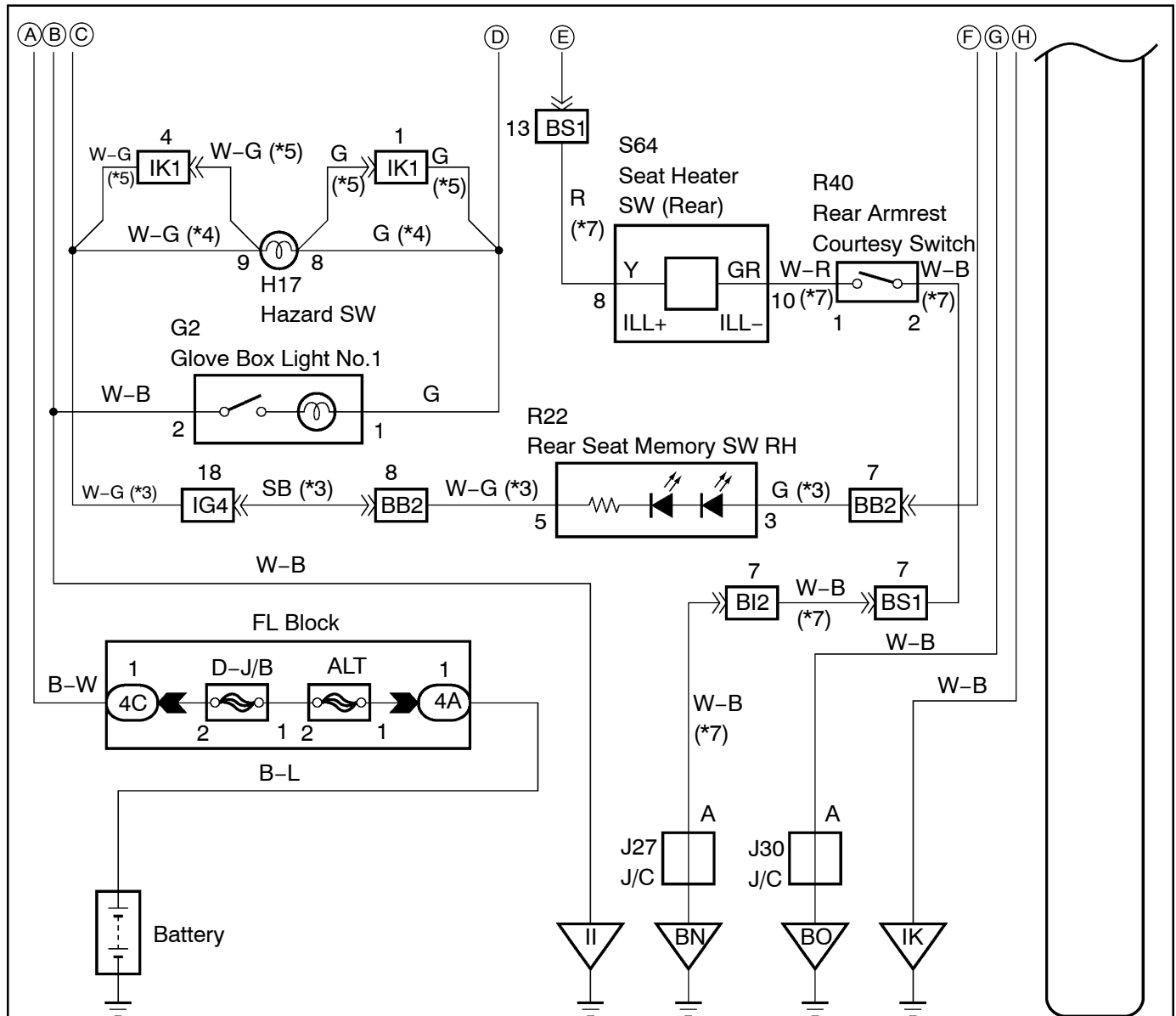# INSTRUMENT PANEL ILLUMINATION CIRCUIT

CIRCUIT DESCRIPTION

The driver side junction block ECU receives taillight signal information from the combination switch, and turns on each illumination.

WIRING DIAGRAM

LHD:

E72952

A18
A/C Room Temp. SW (Driver's Side)
W−G   G
10   5

A19
A/C Room Temp. SW
(Front Passenger's Side)
W−G   G
4   3

O4
Mirror SW (Outer Mirror SW)
W−G   G
1   8

F13
Fuel Lid Opener SW Illumination
W−G   G
2   4

A42 AFS off SW
W−G   G
2   1

R4
Radio and Player
W−G   G
12   2

M1
Multi−Display
W−G (*4)   G (*4)
7   8

C6
Center Cluster Integration Panel
W−G (*5)   G (*5)
2   7

C10
Clock
W−B (*5)   G (*5)
5   6

R21
Rear Seat Memory SW LH
G
(*3)6   4

V (*3)   8   W−G
BA2   (*3)

J23   A   SB   8   W−G
J/C   A   IA1
A

V

W−G   10
IC5

G

Passenger Side J/B
1   16
G   PE   PI   G

G (*7)   21   Y (*7)   D   J/C   E
BI3   J29   J28
D   E
G (*3)   J29   J28

C8
Cigarette Lighter (Rear)
W−B   G
3   1

C15
Console Box Illumination
2   1
W−B

D   J/C   E
J28   J29   W−B

C

E72953

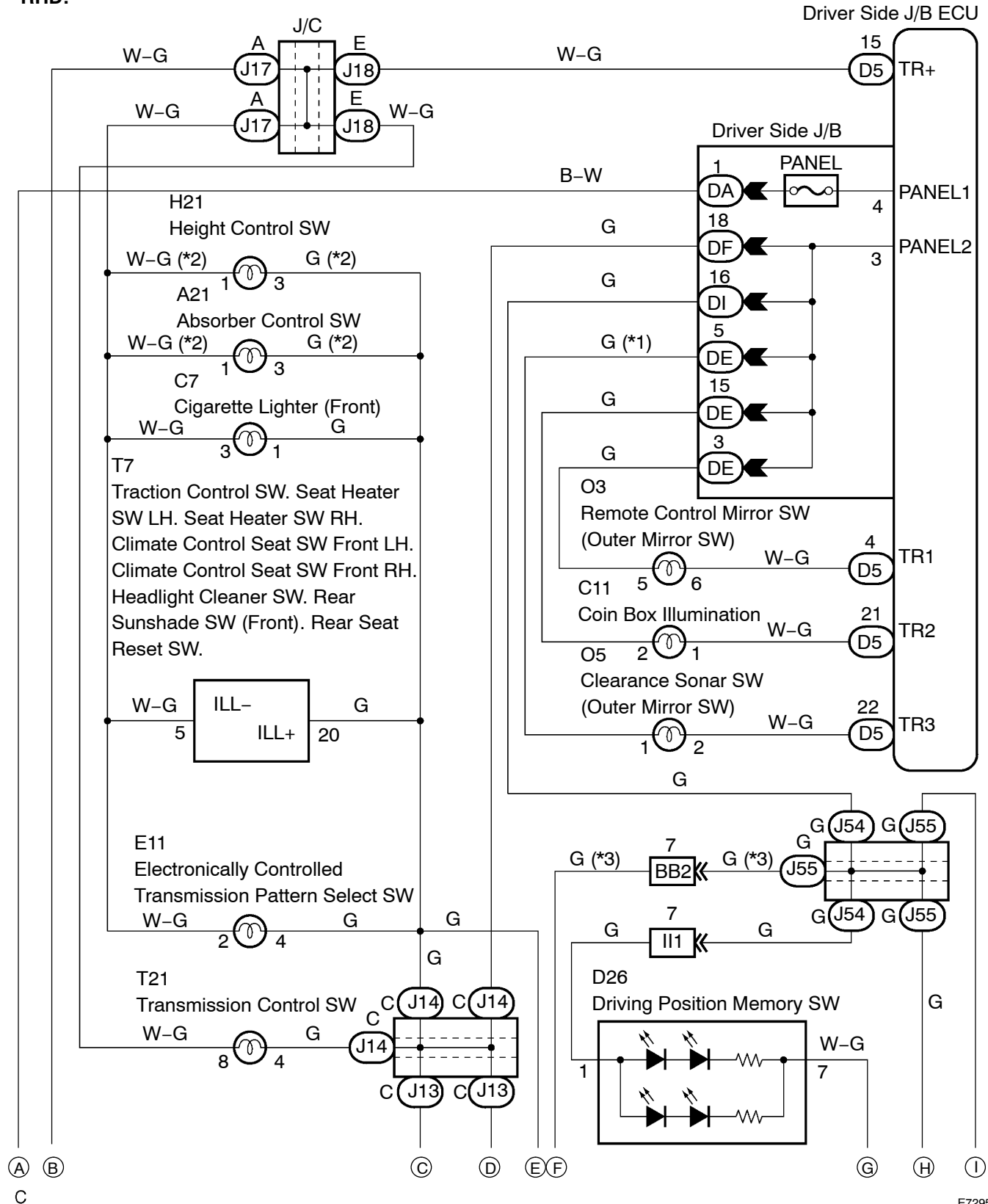*1: w/ LEXUS Parking Assist (Clearance Sonar)
*2: w/ Electronic Modulated Air Suspension
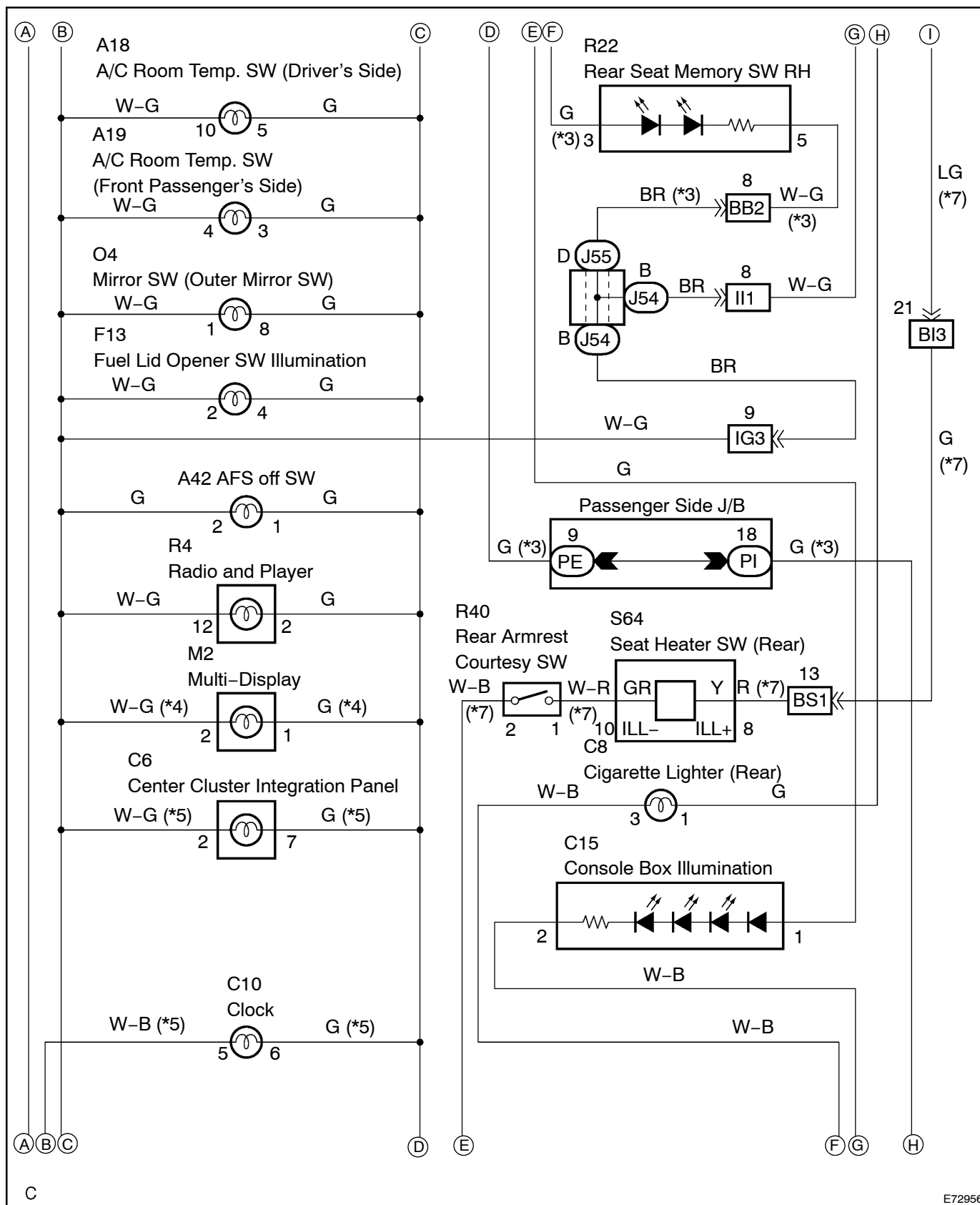*3: w/ Rear Power Seat
*4: w/ LEXUS Navigation System
*5: w/o LEXUS Navigation System
*6: w/ Garage Door Opener
*7: w/o Rear Power Seat

C

E72954

RHD:

E72955

Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ

A18
A/C Room Temp. SW (Driver's Side)
W–G 10 5 G

A19
A/C Room Temp. SW (Front Passenger's Side)
W–G 4 3 G

O4
Mirror SW (Outer Mirror SW)
W–G 1 8 G

F13
Fuel Lid Opener SW Illumination
W–G 2 4 G

A42 AFS off SW
G 2 1 G

R4
Radio and Player
W–G 12 2 G

M2
Multi–Display
W–G (*4) 2 1 G (*4)

C6
Center Cluster Integration Panel
W–G (*5) 2 7 G (*5)

C10
Clock
W–B (*5) 5 6 G (*5)

R22
Rear Seat Memory SW RH
G (*3) 3 5

BR (*3) 8 BB2 W–G (*3)

D J55
J54 B BR 8 II1 W–G
B J54

BR

W–G 9 IG3

G

LG (*7)

21 BI3

G (*7)

Passenger Side J/B
G (*3) 9 PE 18 PI G (*3)

R40
Rear Armrest Courtesy SW
W–B (*7) 2 1 W–R (*7)

S64
Seat Heater SW (Rear)
GR Y R (*7) 13 BS1
10 ILL– ILL+ 8

C8
Cigarette Lighter (Rear)
W–B 3 1 G

C15
Console Box Illumination
2 1

W–B

W–B

Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ

C

E72956

*1: w/ LEXUS Parking Assist (Clearance Sonar)
*2: w/ Electronic Modulated Air Suspension
*3: w/ Rear Power Seat
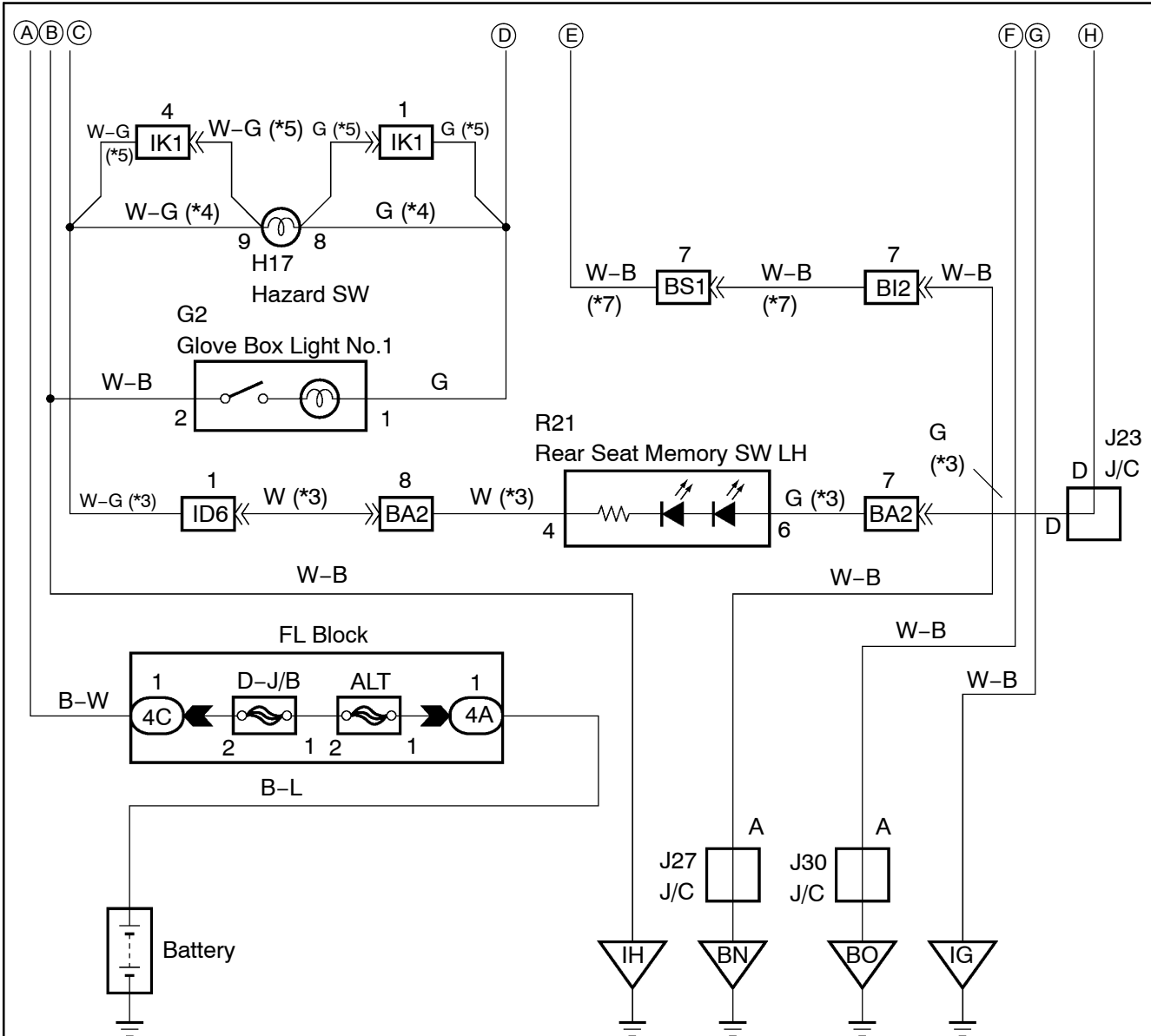*4: w/ LEXUS Navigation System
*5: w/o LEXUS Navigation System
*6: w/ Garage Door Opener
*7: w/o Rear Power Seat

E72957

INSPECTION PROCEDURE

1	PERFORM ACTIVE TEST ON INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.

(b) Turn the ignition switch to the ON position and turn the intelligent tester II main switch on.

(c) Select the item below in the ACTIVE TEST and then check that the instrument panel illumination operates.

BODY NO.2 (DRIVER SIDE JUNCTION BLOCK ECU):

Item	Test Details	Diagnostic Note
Illuminated Entry System	Illuminated entry system ON/OFF	–

OK: Illumination comes on.

NG >	Go to step 2

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05–1369)

2	INSPECT DRIVER SIDE JUNCTION BLOCK

(a) Measure the voltage according to the value(s) in the table below.
HINT:
Inspect the side the suspected malfunctioning part is on.
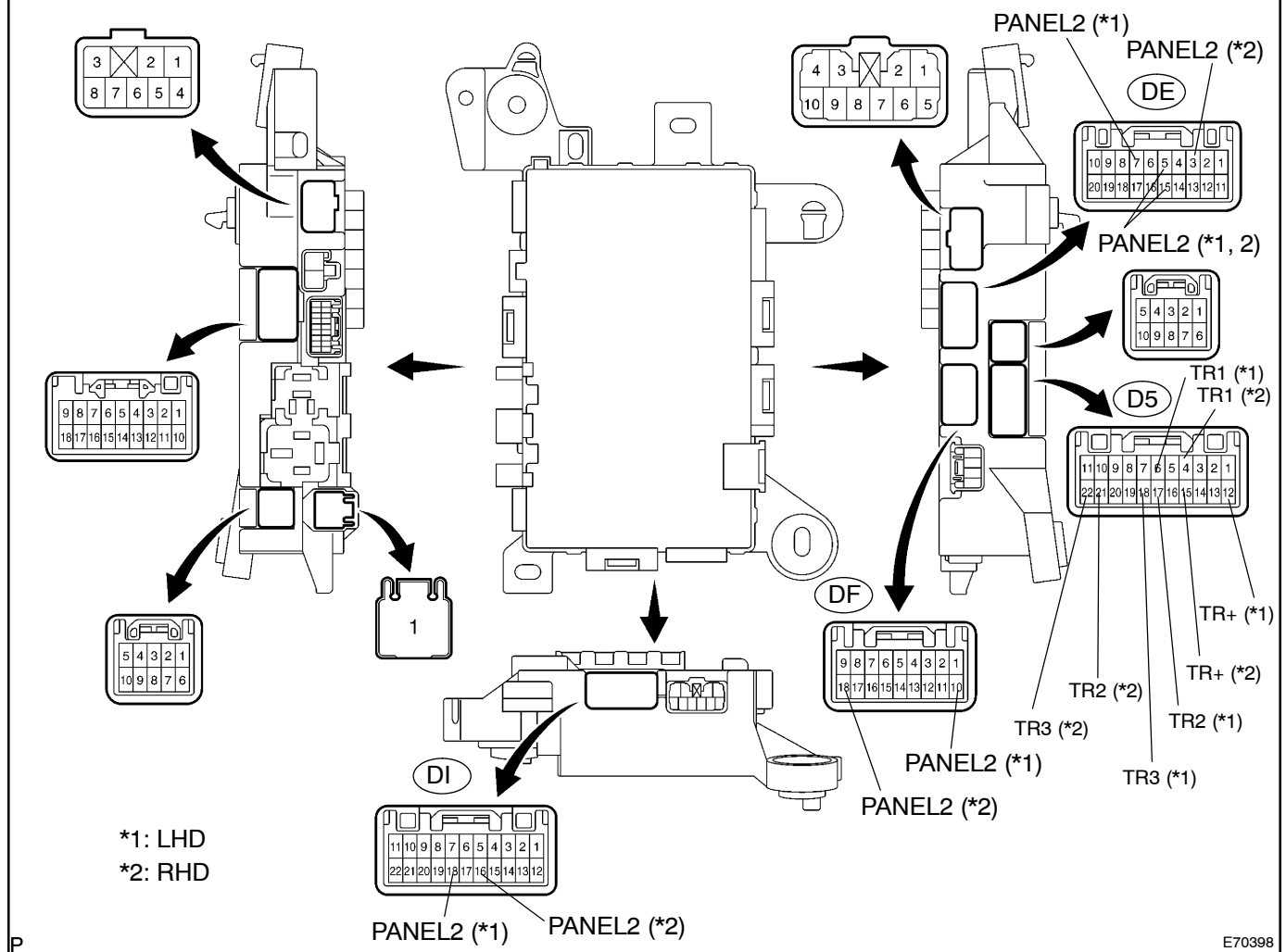   **Standard:**
LHD:

Tester Connection	Condition	Specified Condition
DE–5 – D5–18	Light control switch in TAIL and rheostat switch is in TC	10 to 14 V
DE–7 – D5–6	Light control switch in TAIL and rheostat switch is in TC	10 to 14 V
DE–15 – D5–17	Light control switch in TAIL and rheostat switch is in TC	10 to 14 V
DF–10 – D5–12	Light control switch in TAIL and rheostat switch is in TC	10 to 14 V
DI–18 – D5–12	Light control switch in TAIL and rheostat switch is in TC	10 to 14 V

RHD:

Tester Connection	Condition	Specified Condition
DE–5 – D5–22	Light control switch in TAIL and rheostat switch is in TC	10 to 14 V
DE–3 – D5–4	Light control switch in TAIL and rheostat switch is in TC	10 to 14 V
DE–15 – D5–21	Light control switch in TAIL and rheostat switch is in TC	10 to 14 V
DI–16 – D5–15	Light control switch in TAIL and rheostat switch is in TC	10 to 14 V
DF–18 – D5–15	Light control switch in TAIL and rheostat switch is in TC	10 to 14 V

Driver Side Junction Block
Connector Front View:

3	☒	2	1
8	7	6	5

PANEL2 (*1)
PANEL2 (*2)

DE

PANEL2 (*1, 2)

| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 |

4	3	☒	2	1
10	9	8	7	6	5

| 5 | 4 | 3 | 2 | 1 |
| 10 | 9 | 8 | 7 | 6 |

D5

TR1 (*1)
TR1 (*2)

| 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 |

| 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 |

TR+ (*1)
TR+ (*2)
TR2 (*1)
TR2 (*2)
TR3 (*1)
TR3 (*2)

| 5 | 4 | 3 | 2 | 1 |
| 10 | 9 | 8 | 7 | 6 |

1

DF

| 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 |

PANEL2 (*1)
PANEL2 (*2)

DI

| 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 |

PANEL2 (*1)   PANEL2 (*2)

*1: LHD
*2: RHD

P   E70398

HINT:
This illustration is for RHD model. The RHD and LHD models are symmetrical.

NG ⟩ **Go to step 3**

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (EACH OF ILLUMINATION CIRCUIT)

| 3 | CHECK HARNESS AND CONNECTOR(POWER SOURCE CIRCUIT) |

(a) Disconnect the DA connector from the driver side junction block.

(b) Measure the voltage according to the value(s) in the table below.
Standard:

Tester Connection	Condition	Specified Condition
DA−1 – Body ground	Always	10 to 14 V

Driver Side Junction Block
Connector Front View:

P E70398
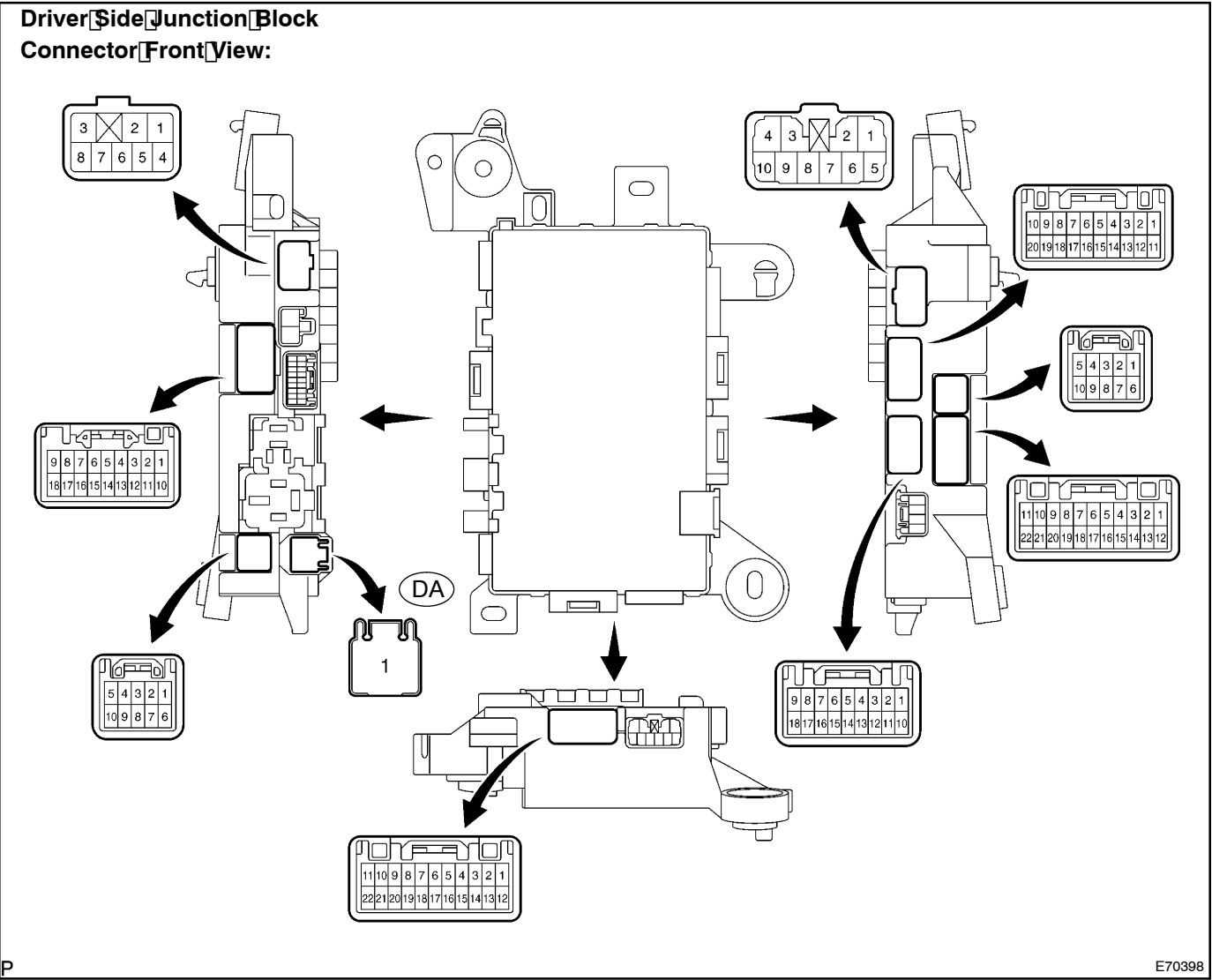
HINT:

This illustration is for RHD model. The RHD and LHD models are symmetrical.

| NG〉 | REPAIR OR REPLACE HARNESS OR CONNECTOR |

| OK 〉 |

| PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05−1369) |