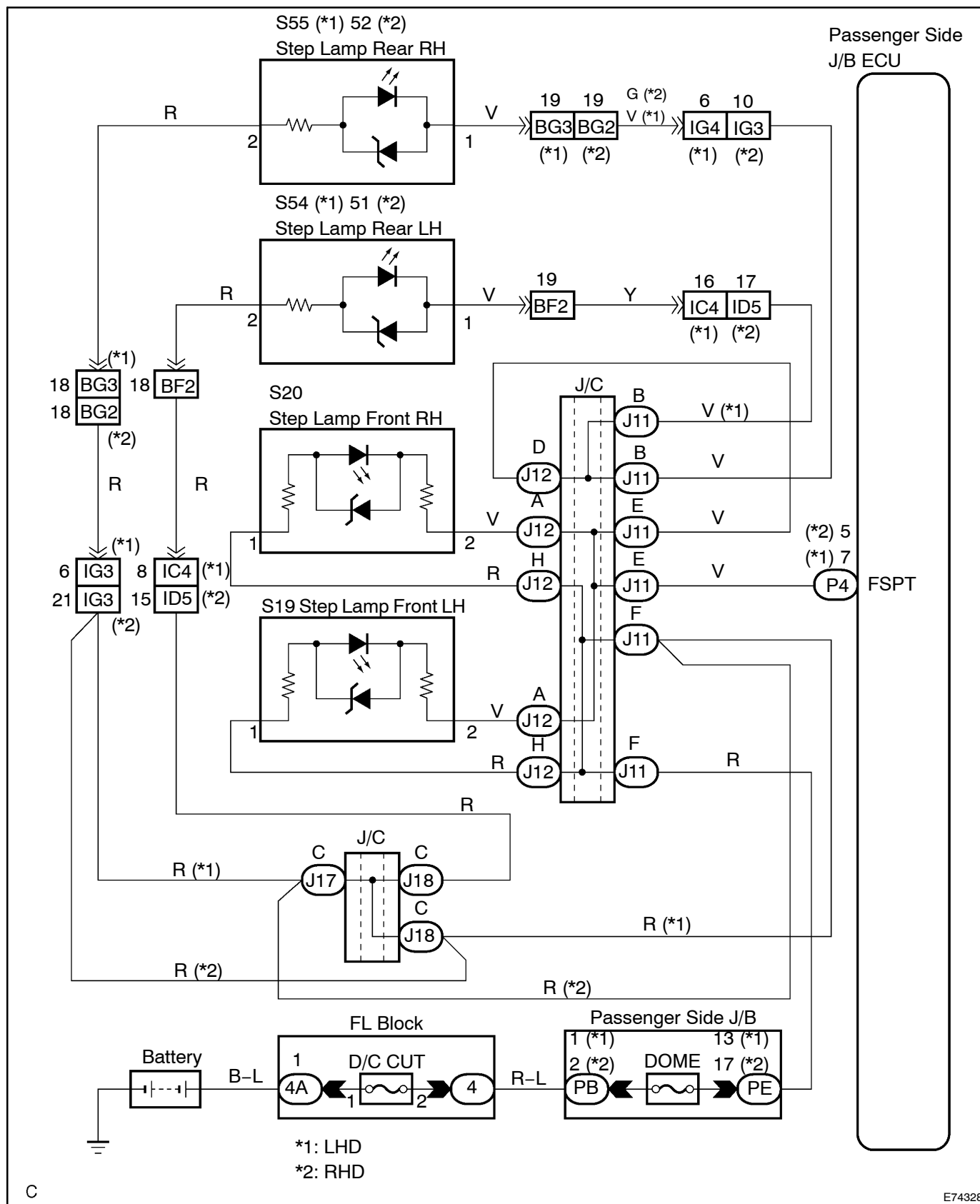# STEP ILLUMINATION CIRCUIT

CIRCUIT DESCRIPTION

The passenger side junction block ECU receives information regarding the door lock position and ignition switch, and turns on each step light. The passenger side junction block ECU receives shift position information and controls the illumination.

WIRING DIAGRAM

Passenger Side J/B ECU

S55 (*1) 52 (*2)
Step Lamp Rear RH

R
2
V 1
19 BG3 (*1)
19 BG2 (*2)
G (*2)
V (*1)
6 IG4 (*1)
10 IG3 (*2)

S54 (*1) 51 (*2)
Step Lamp Rear LH

R
2
V 1
19 BF2
Y
16 IC4 (*1)
17 ID5 (*2)

18 BG3
18 BG2 (*2)
18 BF2

R R

6 IG3 (*1)
21 IG3 (*2)
8 IC4 (*1)
15 ID5 (*2)

S20
Step Lamp Front RH

1 V 2

S19 Step Lamp Front LH

1 V 2

J/C
D J12 — B J11 — V (*1)
A J12 — B J11 — V
H J12 — E J11 — V
R J12 — E J11 — V
F J11
A J12
H J12 — F J11 — R

(*2) 5
(*1) 7
P4 FSPT

R

J/C
C J17 — C J18
C J18

R (*1)
R (*2)
R (*1)
R (*2)
R (*1)
R (*2)

Battery
B–L

FL Block
1 4A
D/C CUT
1 2
4
R–L

Passenger Side J/B
1 (*1)
2 (*2)
PB
DOME
13 (*1)
17 (*2)
PE

*1: LHD
*2: RHD

C

E74328

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 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 step lamp operates.

BODY NO.3 (PASSENGER SIDE JUNCTION BLOCK ECU):

Item	Test Details	Diagnostic Note
Step Light Operation	Step light operation ON/OFF	–

OK: Step lamp comes on.

NG > **Go to step 2**

OK

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

2	CHECK HARNESS AND CONNECTOR(EACH OF ILLUMINATION CIRCUIT)

(a) Disconnect the P4 connector from the passenger side junction block.

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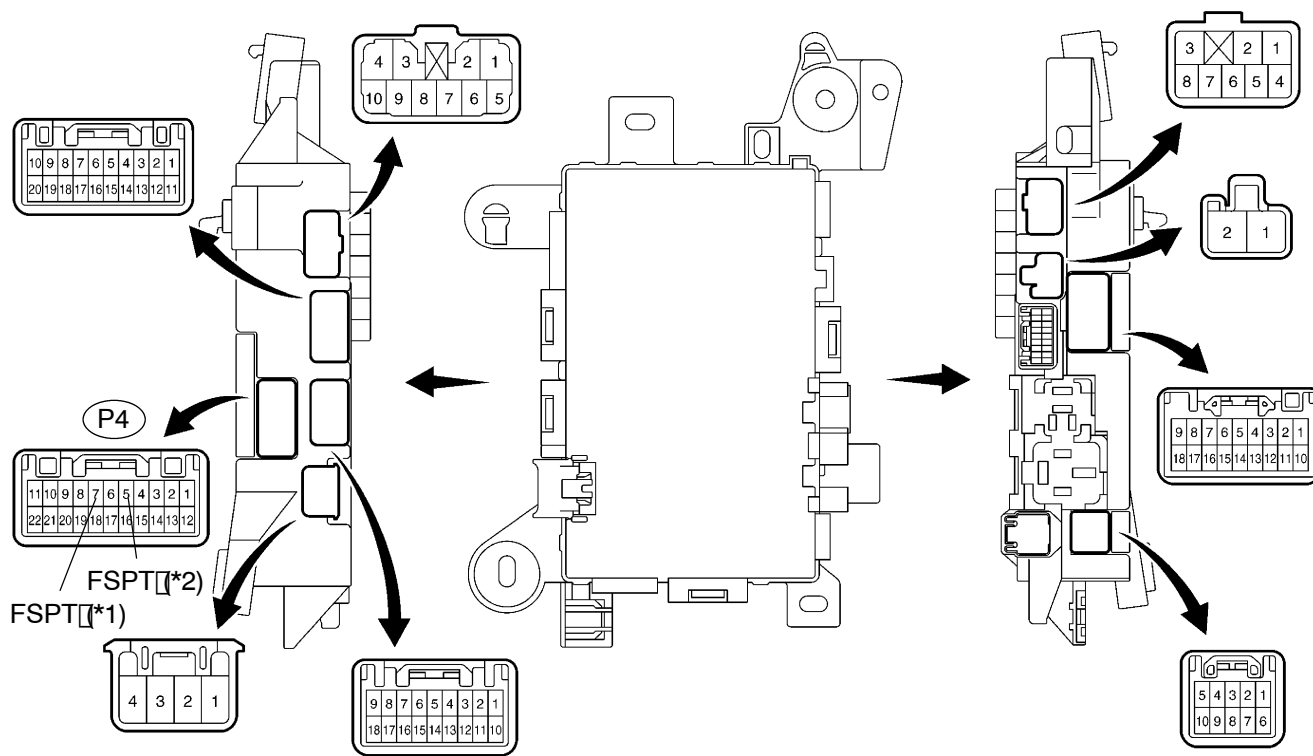**Standard:**

LHD:

Tester Connection	Condition	Specified Condition
P4–7 – Body ground	Always	10 to 14 V

RHD:

Tester Connection	Condition	Specified Condition
P4–5 – Body ground	Always	10 to 14 V

Passenger Side Junction Block
Connector Front View:

4	3	✕	2	1
10	9	8	7	6	5

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

(P4)

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

FSPT (*2)
FSPT (*1)

| 4 | 3 | 2 | 1 |

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

| 3 | ✕ | 2 | 1 |
| 8 | 7 | 6 | 5 | 4 |

| 2 | 1 |

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

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

*1: LHD
*2: RHD

P   E70399

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

NG >	**REPAIR OR REPLACE HARNESS OR CONNECTOR (EACH OF ILLUMINATION CIRCUIT)**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE