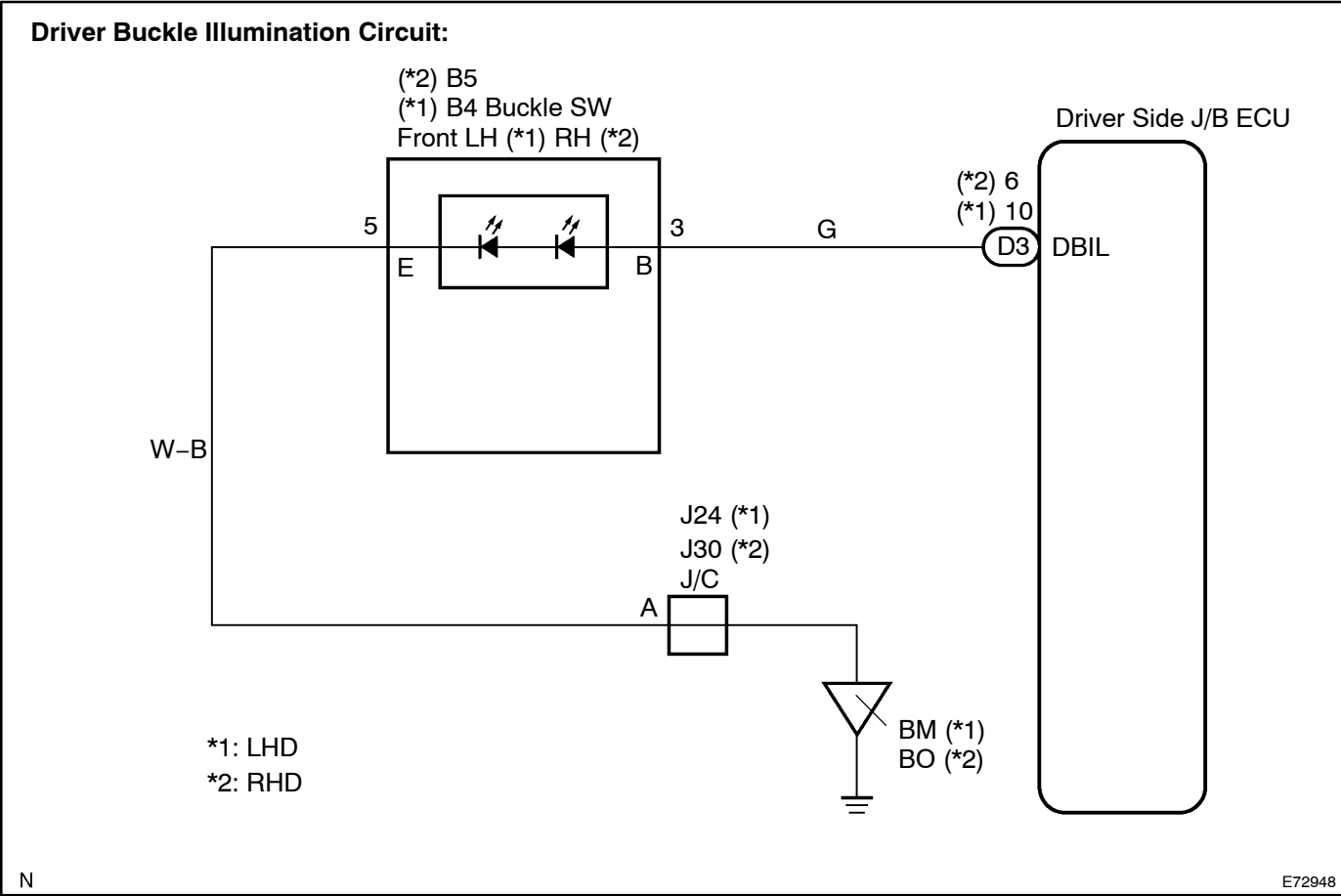


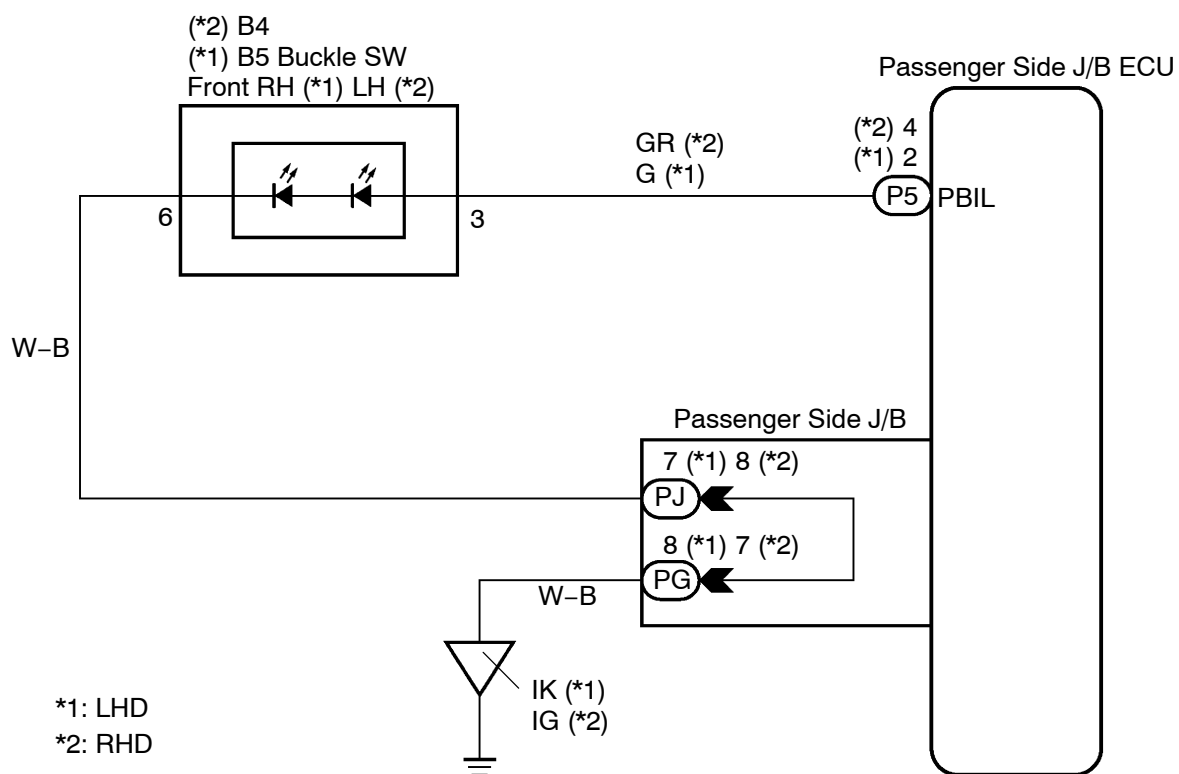
BUCKLE ILLUMINATION CIRCUIT

CIRCUIT DESCRIPTION

The door ECUs send a door courtesy signal to the driver side and passenger side junction block ECUs. The driver side and passenger side junction block ECUs then turn on driver side and passenger side buckle illumination.

WIRING DIAGRAM



Passenger Buckle Illumination Circuit:

INSPECTION PROCEDURE

1 CHECK VEHICLE CONDITION

(a) Check the malfunction area when all doors are opened.

Result:

Driver's side buckle illumination	A
Passenger's side buckle illumination	B

HINT:

If all buckle illuminations are malfunctioning, inspect the door courtesy switch and multiplex communication system first.

B

Go to step 4

A

2 PERFORM ACTIVE TEST ON INTELLIGENT TESTER

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

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

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

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

Item	Test Details	Diagnostic Note
Driver's Buckle Light Output	Driver's side buckle illumination ON/OFF	-

OK: Driver's side buckle illumination comes on.

NG

Go to step 3

OK

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

3 INSPECT DRIVER SIDE JUNCTION BLOCK

(a) Measure the voltage according to the value(s) in the chart below.

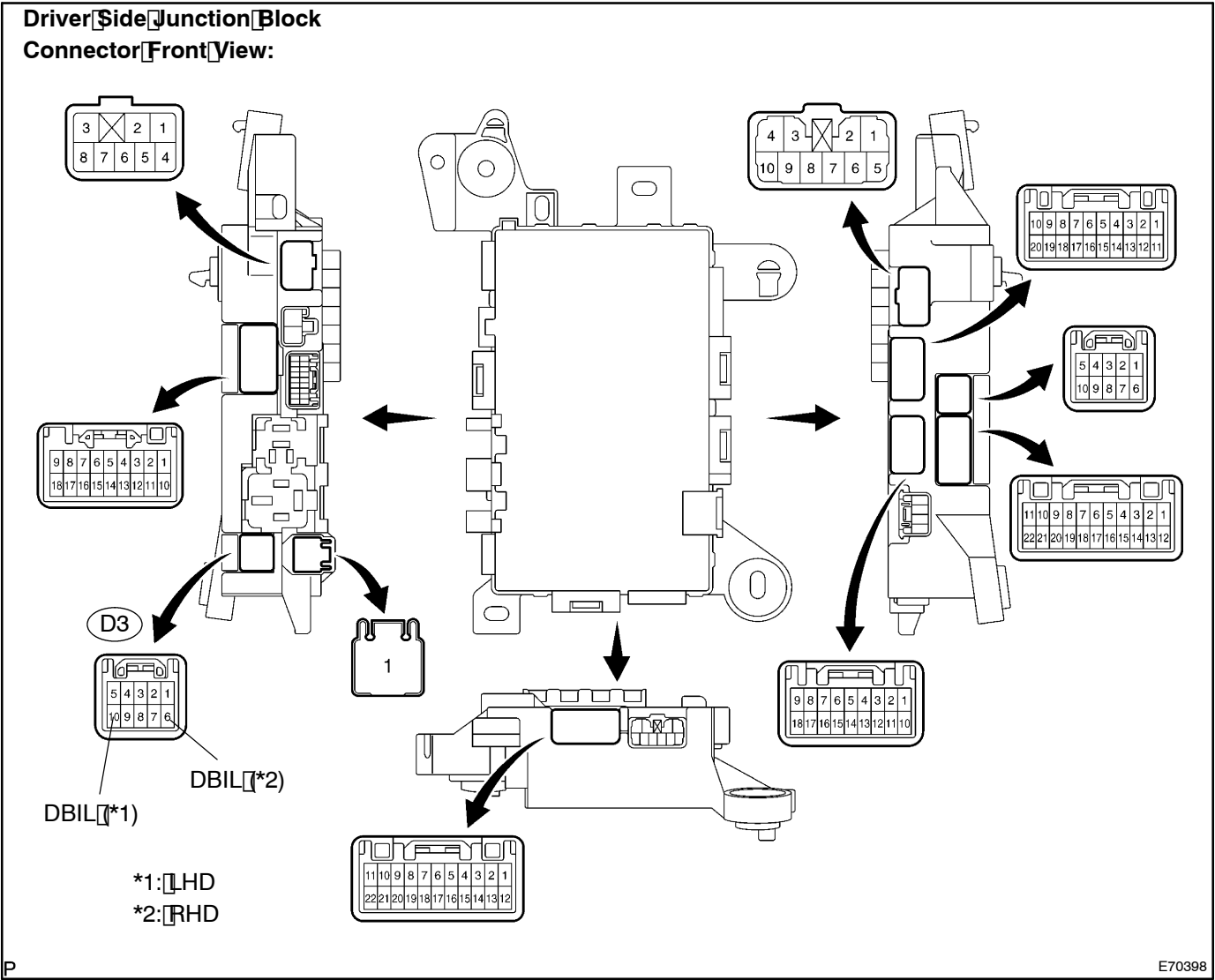
Standard:

LHD:

Tester Connection	Condition	Specified Condition
D3-10 - Body Ground	Driver side door is open	Approx. 4 V

RHD:

Tester Connection	Condition	Specified Condition
D3-6 - Body Ground	Driver side door is open	Approx. 4 V



HINT:

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

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

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (BUCKLE ILLUMINATION CIRCUIT)

4 **PERFORM ACTIVE TEST ON INTELLIGENT TESTER**

- (a) Connect the intelligent tester to the DLC3.
 - (b) Turn the ignition switch to ON position and turn the intelligent tester main switch on.
 - (c) Select the item below in the ACTIVE TEST and then check that the buckle illumination operates.
- BODY NO.3 (PASSENGER SIDE JUNCTION BLOCK ECU):**

Item	Test Details	Diagnostic Note
Buckle Light	Front passenger buckle illumination ON/OFF	-

OK: Front passenger side buckle illumination comes on.

NG **Go to step 5**

OK

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

5 INSPECT PASSENGER SIDE JUNCTION BLOCK

(a) Measure the voltage according to the value(s) in the chart below.

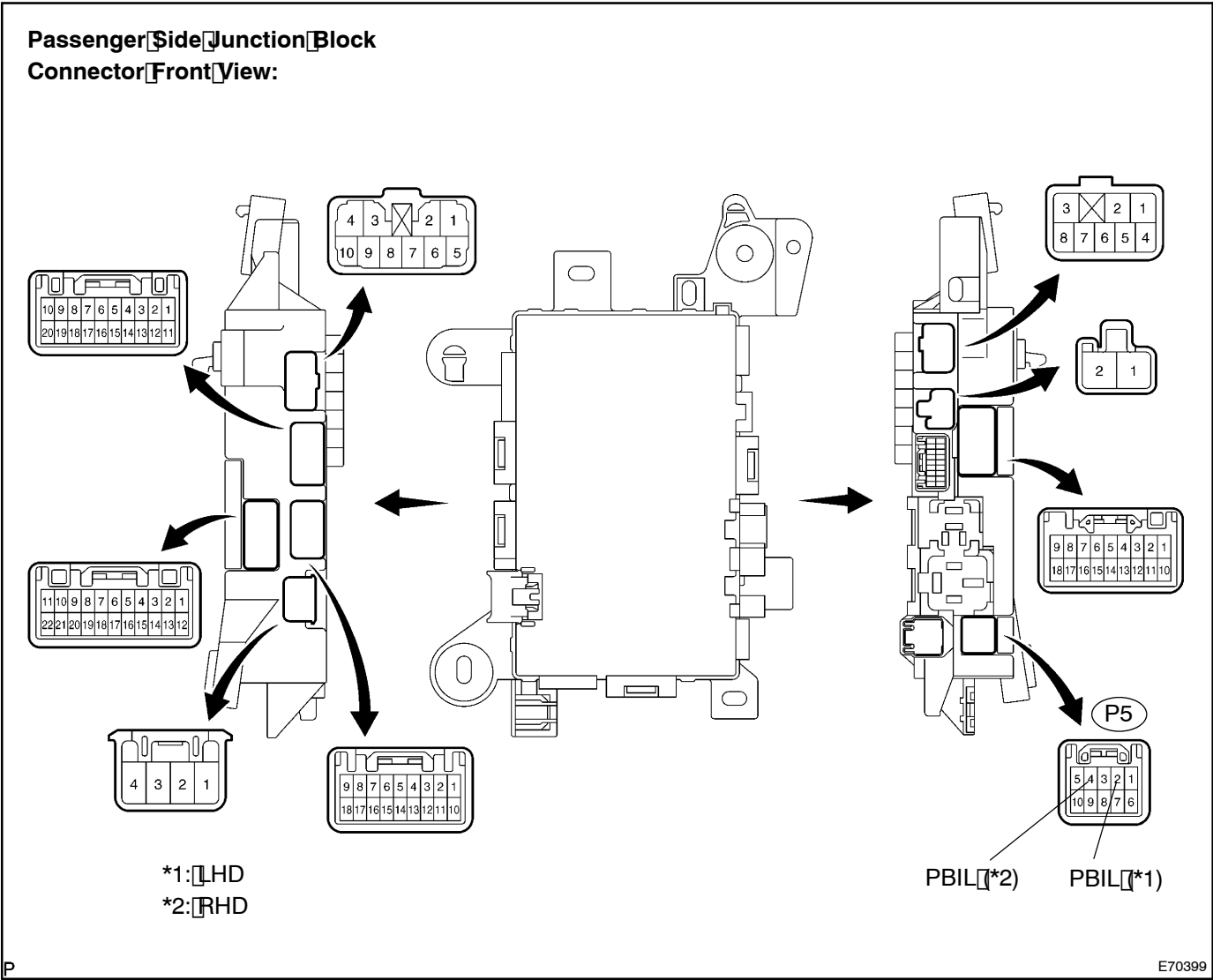
Standard:

LHD:

Tester Connection	Condition	Specified Condition
P5-2 - Body ground	Passenger side door is open	Approx. 4 V

RHD:

Tester Connection	Condition	Specified Condition
P5-4 - Body ground	Passenger side door is open	Approx. 4 V



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

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (BUCKLE ILLUMINATION CIRCUIT)