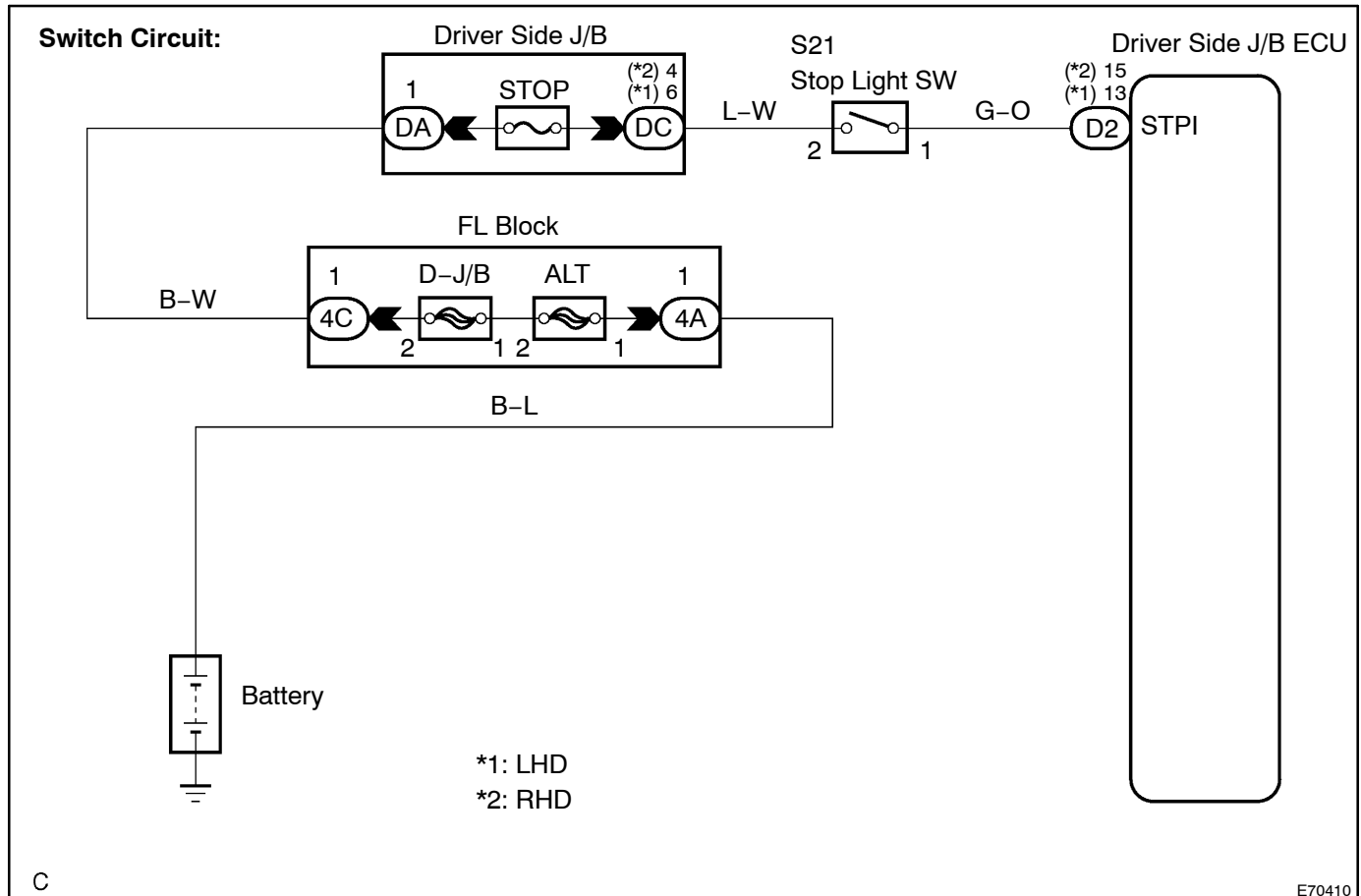


STOP LIGHT CIRCUIT

CIRCUIT DESCRIPTION

The driver side junction block receives stop light switch information from the stop lamp switch and sends the signal to the luggage room junction block which uses it to turn on the stop lamp.

WIRING DIAGRAM





INSPECTION PROCEDURE

1 READ VALUE OF 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 items below in the DATA LIST and read the displays on the intelligent tester II.

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

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
Stop Light SW	Stop light switch/ ON or OFF	ON: Brake pedal is depressed OFF: Brake pedal is released	-

OK: Condition sign can be displayed.

NG

Go to step 3

OK

2 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 items below in the ACTIVE TEST and then check the stop lamp operation.

BODY NO.4 (LUGGAGE ROOM JUNCTION BLOCK ECU):

Item	Test Details	Diagnostic Note
Stop Light	Stop lamp ON/OFF	-
High Mount Stop Light	High mount stop lamp ON/OFF	-

OK: Each lamp comes on.

NG

Go to step 5

OK

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

3 CHECK HARNESS AND CONNECTOR(STOP LAMP SWITCH CIRCUIT)

- (a) Disconnect the D2 connector from the driver side junction block.
(b) Measure the voltage according to the value(s) in the table below.

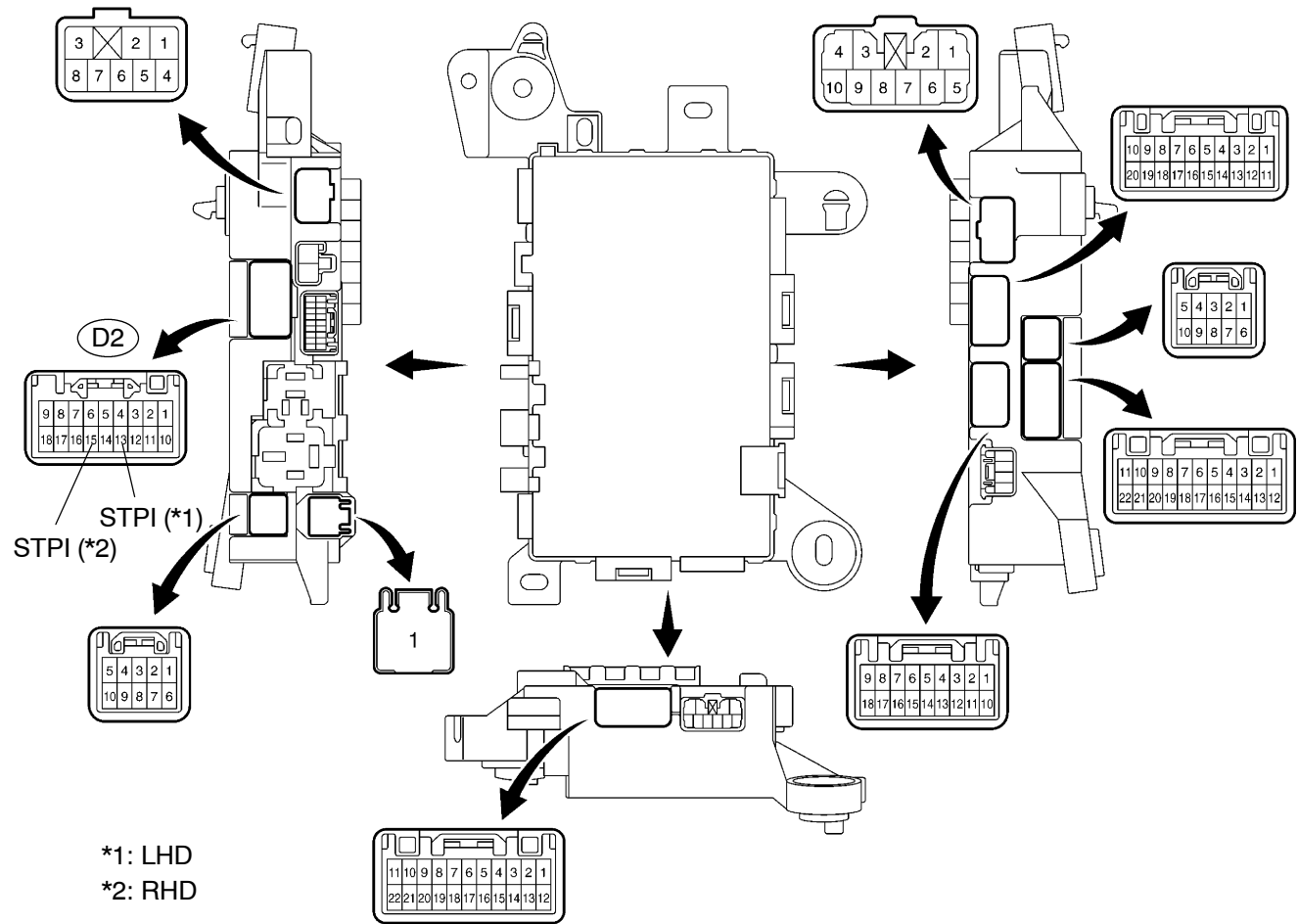
Standard:**LHD:**

Tester Connection	Condition	Specified Condition
D2-13 – Body ground	Brake pedal is released	Below 1 V
D2-13 – Body ground	Brake pedal is depressed	10 to 14 V

RHD:

Tester Connection	Condition	Specified Condition
D2-15 – Body ground	Brake pedal is released	Below 1 V
D2-15 – Body ground	Brake pedal is depressed	10 to 14 V

Driver Side Junction Block Connector Front View:



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HINT:

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

NG

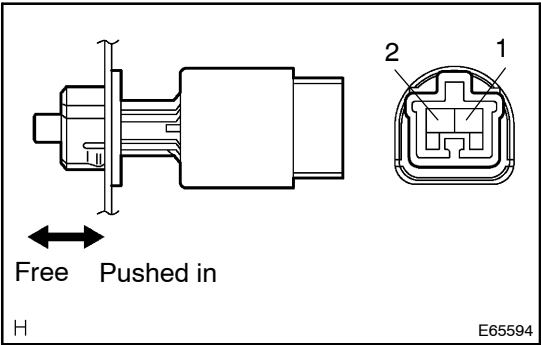
Go to step 4

OK

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

4

INSPECT STOP LAMP SWITCH ASSY



(a) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Condition	Specified Condition
1 - 2	Switch pin free	10 kΩ or higher
1 - 2	Switch pin pushed in	Below 1 Ω

NG

REPLACE STOP LAMP SWITCH ASSY

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (STOP LAMP SWITCH CIRCUIT)

5 INSPECT LUGGAGE ROOM JUNCTION BLOCK ASSY

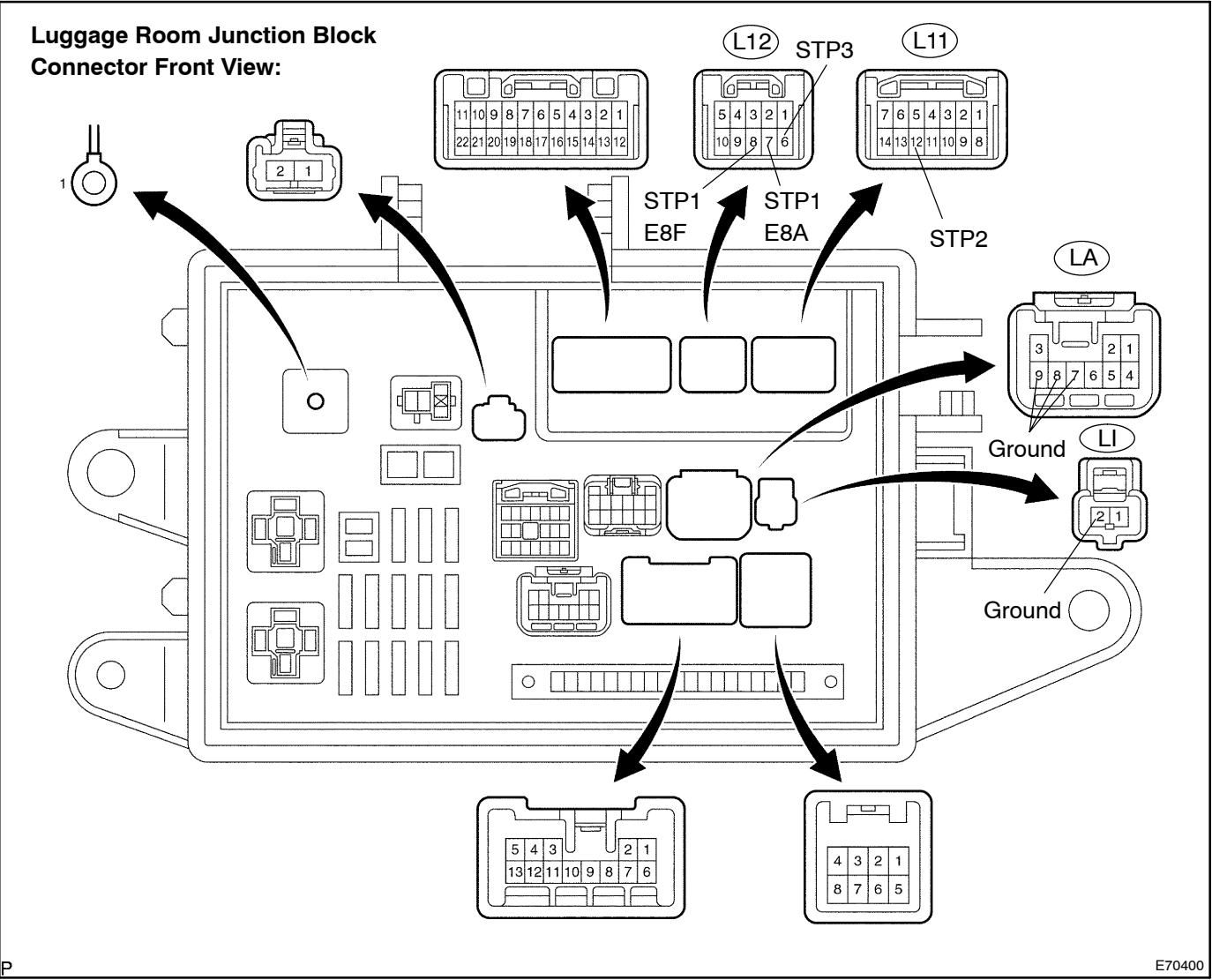
(a) Measure the voltage according to the value(s) in the table below.

HINT:

Inspect the side the suspected malfunctioning part is on.

Standard:

Tester Connection	Condition	Specified Condition
L11-12 - LI-2	Brake pedal is depressed	10 to 14 V
L12-6 - LA-9	Brake pedal is depressed	10 to 14 V
L12-7 - LA-7	Brake pedal is depressed	10 to 14 V
L12-8 - LA-8	Brake pedal is depressed	10 to 14 V



NG

Go to step 6

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (EACH OF STOP LIGHT CIRCUIT)

6 INSPECT LUGGAGE ROOM JUNCTION BLOCK ASSY

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

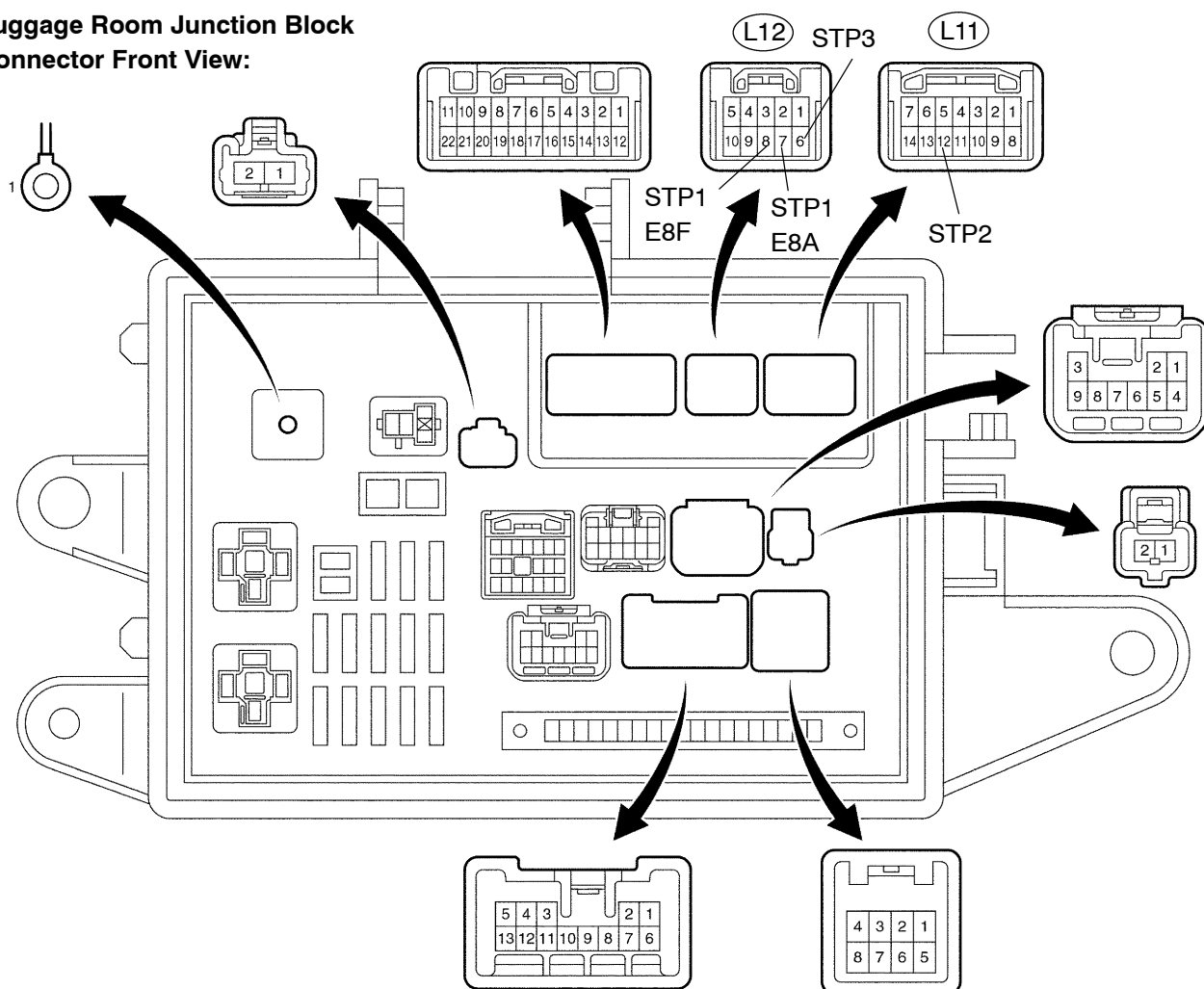
HINT:

Inspect the side the suspected malfunctioning part is on.

Standard:

Tester Connection	Condition	Specified Condition
L11-12 - Body ground	Brake pedal is depressed	10 to 14 V
L12-6 - Body ground	Brake pedal is depressed	10 to 14 V
L12-7 - Body ground	Brake pedal is depressed	10 to 14 V
L12-8 - Body ground	Brake pedal is depressed	10 to 14 V

**Luggage Room Junction Block
Connector Front View:**



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NG

Go to step 9

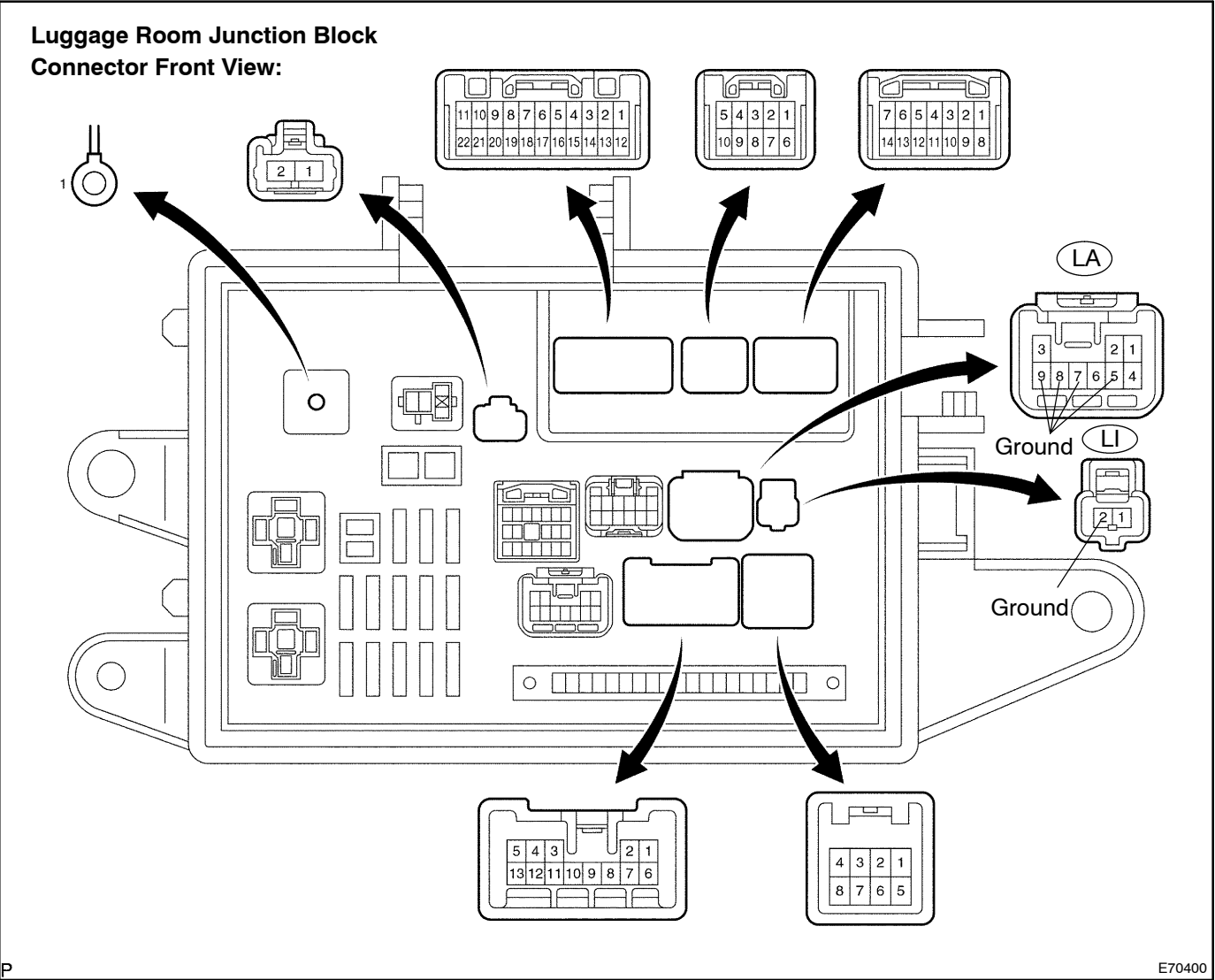
OK

7 INSPECT LUGGAGE ROOM JUNCTION BLOCK ASSY

- (a) Disconnect the LA and LI connectors from the luggage room junction block assy.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Condition	Specified Condition
LA-7 - LA-5	Always	Below 1 Ω
LA-8 - LA-5	Always	Below 1 Ω
LA-9 - LA-5	Always	Below 1 Ω
LI-2 - LA-5	Always	Below 1 Ω



NG → **REPLACE LUGGAGE ROOM JUNCTION BLOCK ASSY**

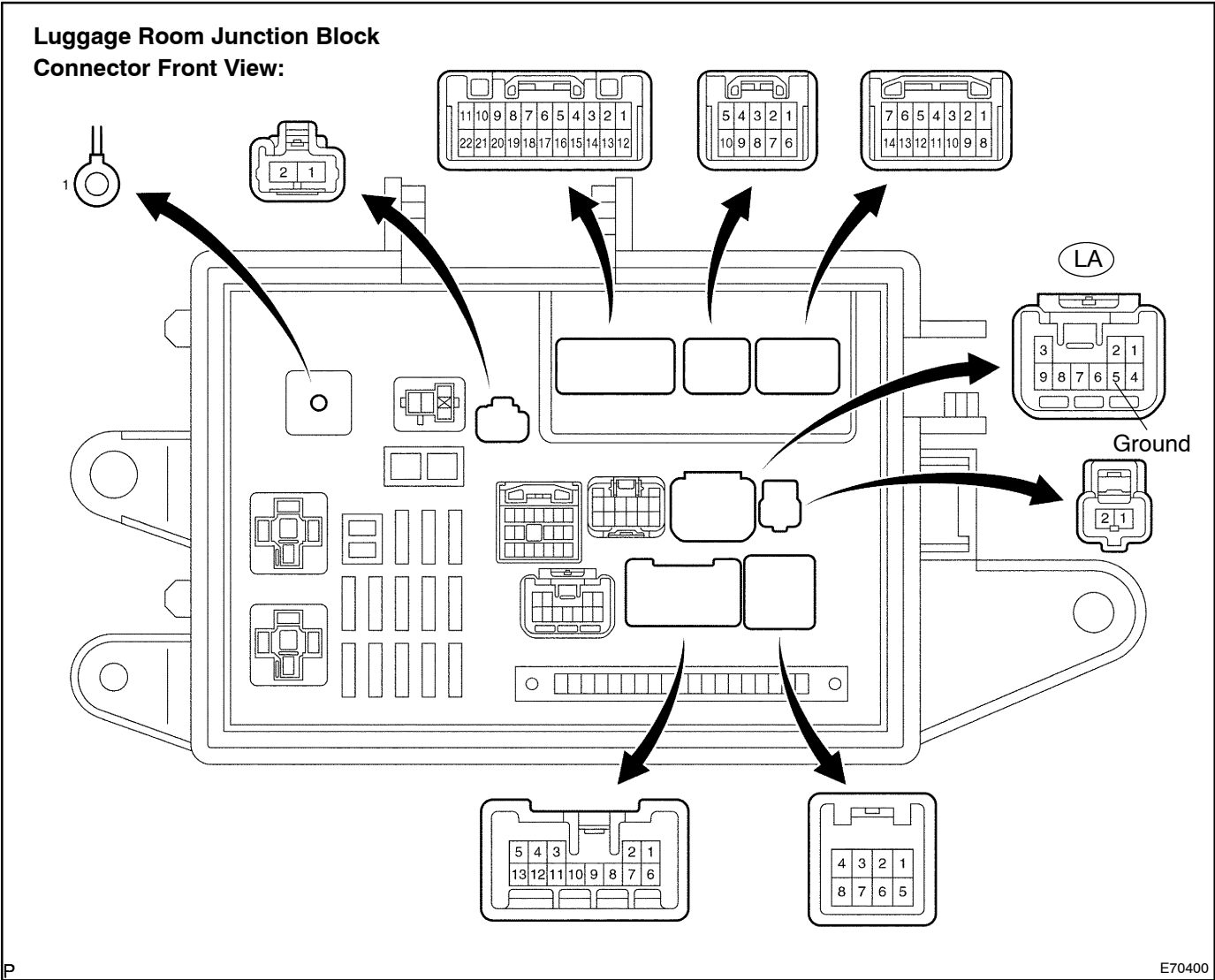
OK

8

CHECK HARNESS AND CONNECTOR(GROUND CIRCUIT)

- (a) Measure the resistance according to the value(s) in the table below.
- Standard:**

Tester Connection	Condition	Specified Condition
LA-5 - Body ground	Always	Below 1 Ω



NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

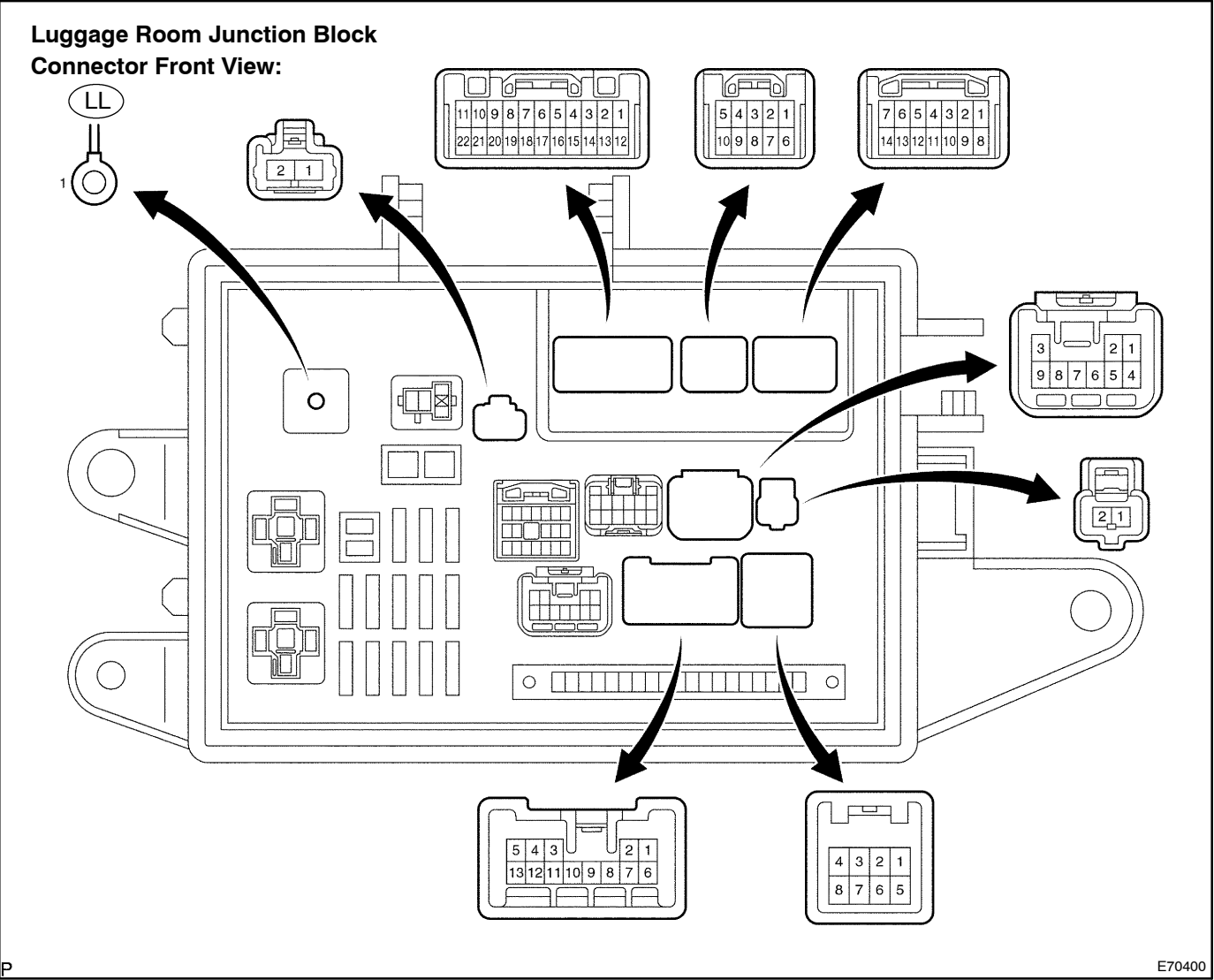
REPAIR OR REPLACE HARNESS OR CONNECTOR (EACH OF STOP LAMP CIRCUIT)

9 CHECK HARNESS AND CONNECTOR(POWER SOURCE CIRCUIT)

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

Standard:

Tester Connection	Condition	Specified Condition
LL-1 - Body ground	Always	10 to 14 V



P

E70400

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

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