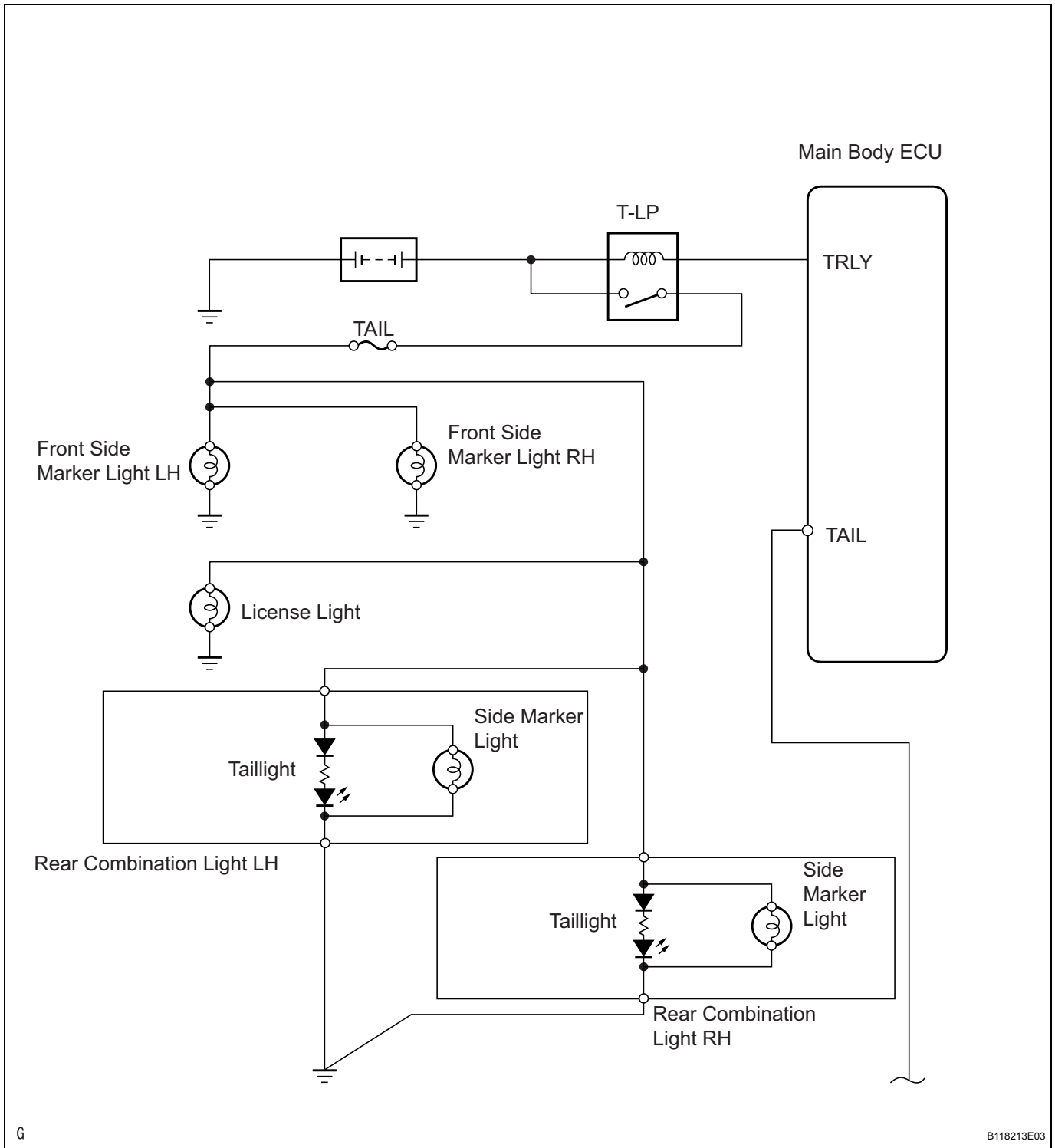


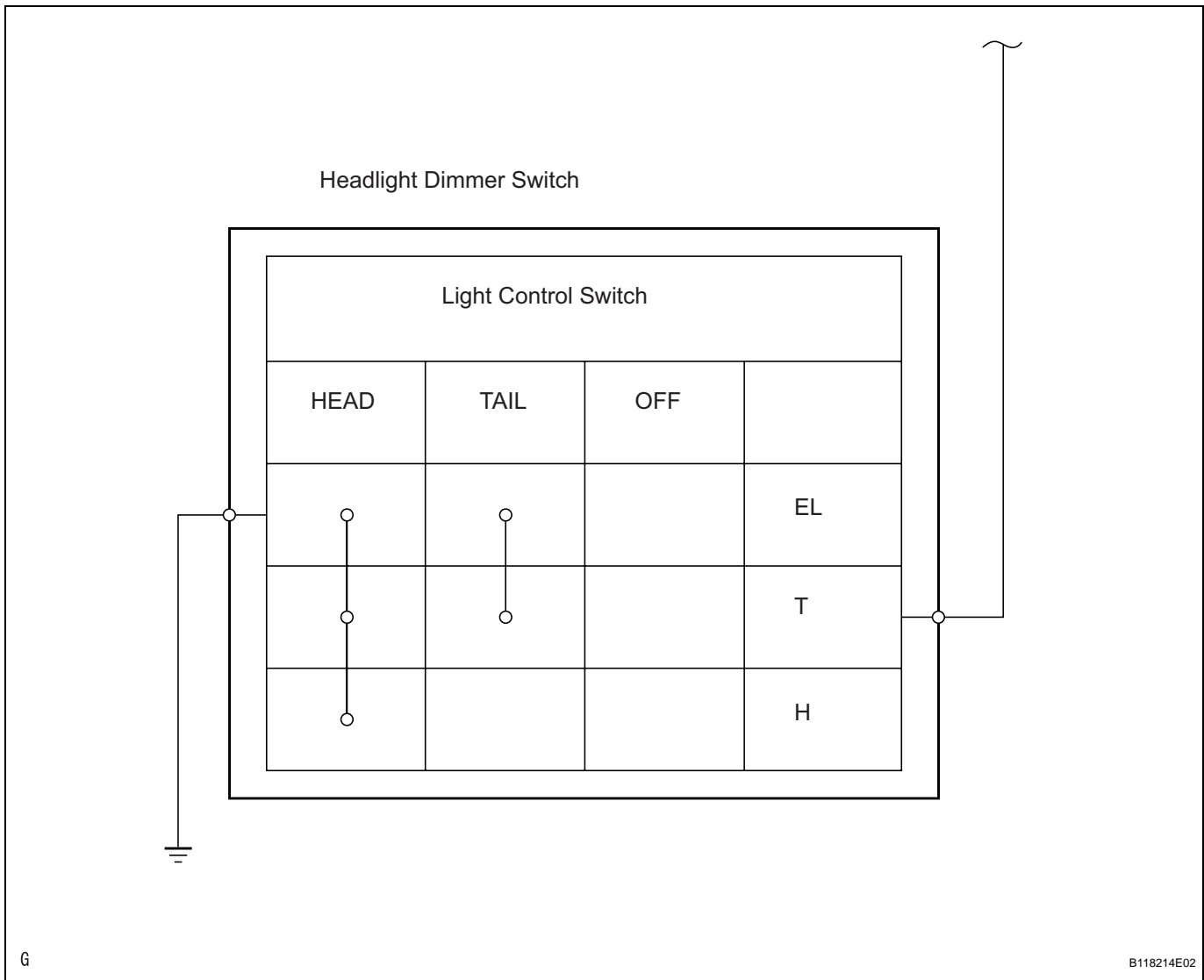
Taillight Relay Circuit

DESCRIPTION

When the light control switch, located on the headlight dimmer switch, is turned to the TAIL position, the taillight relay (Marking: T-LP) turns on to illuminate the front side marker lights, rear taillights, side marker lights and license plate light.

WIRING DIAGRAM





INSPECTION PROCEDURE

1 CHECK WHETHER LIGHTS ILLUMINATE

- (a) Check whether the following lights illuminate: front side marker lights, rear taillights, side marker lights and license plate light.

Result

Result	Proceed to
All lights do not illuminate	A
Front side marker lights do not illuminate	B
Rear taillights do not illuminate	C
License plate light does not illuminate	D
Rear side marker light do not illuminate.	E

B → **Go to step 8**

C → **Go to step 10**

D

Go to step 11

E

Go to step 12

A

2 INSPECT FUSE (TAIL)

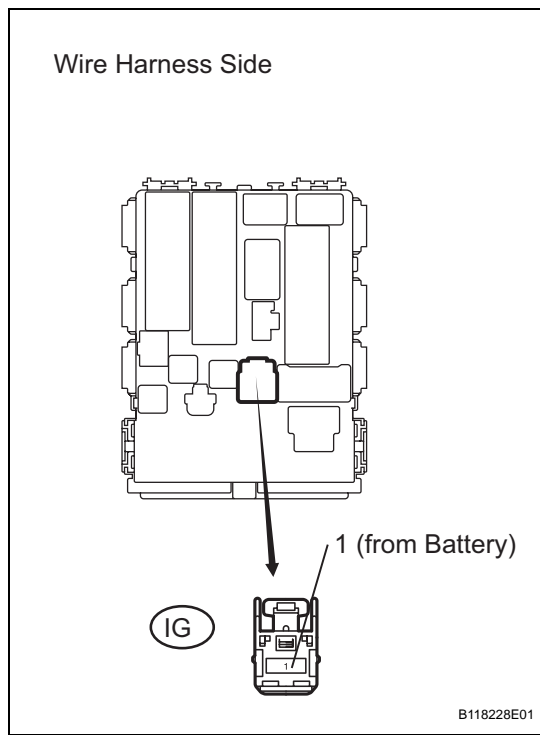
- (a) Remove the TAIL fuse from the instrument panel junction block.
- (b) Measure the resistance of the fuse.
Standard resistance:
Below 1 Ω

NG

REPLACE FUSE

OK

3 CHECK WIRE HARNESS (BATTERY - INSTRUMENT PANEL JUNCTION BLOCK)



- (a) Disconnect the IG instrument panel junction block connector.
- (b) Measure the voltage of the wire harness side connector.
Standard voltage

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

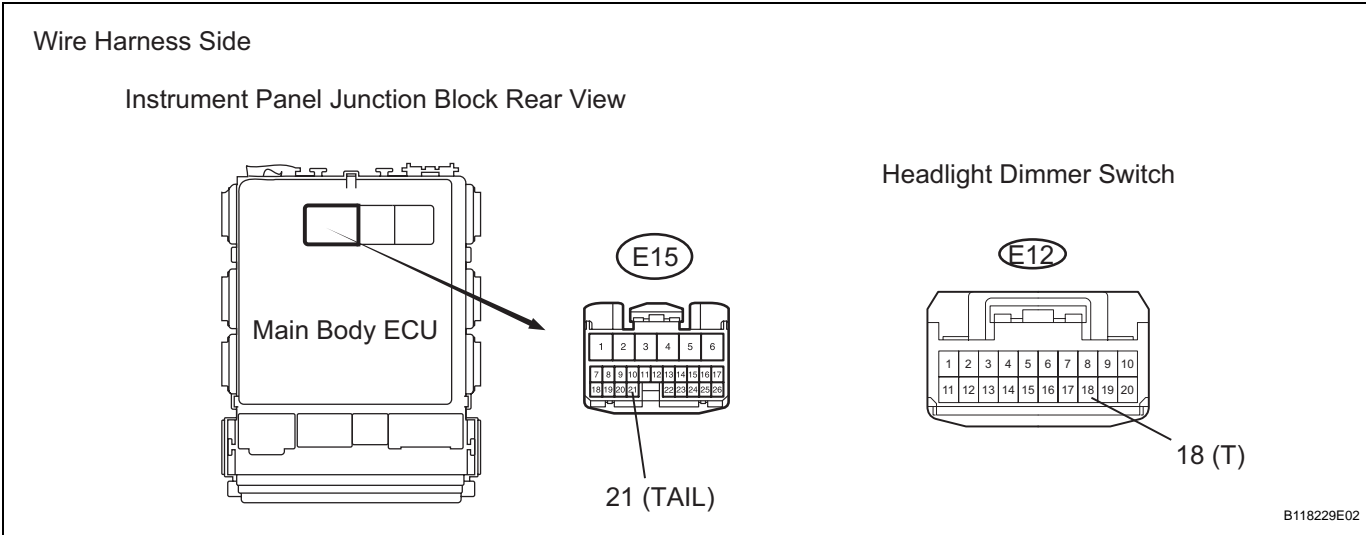
NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK



4 CHECK WIRE HARNESS (MAIN BODY ECU - HEADLIGHT DIMMER SWITCH)



- (a) Disconnect the E15 main body ECU connector.
- (b) Disconnect the E12 headlight dimmer switch connector.
- (c) Measure the resistance of the wire harness side connectors.

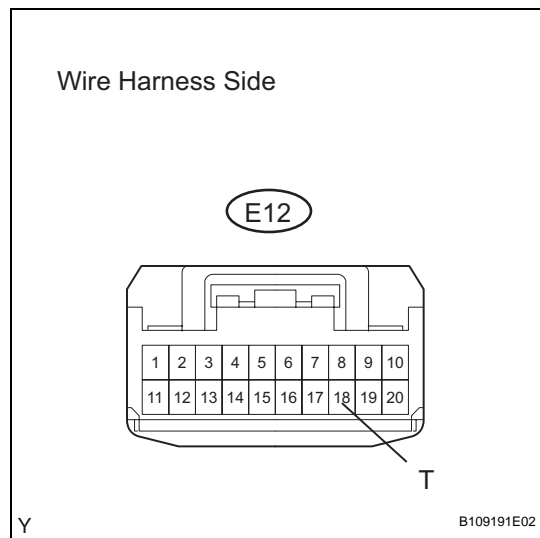
Standard resistance

Tester Connection	Specified Condition
E15-21 (TAIL) - E12-18 (T)	Below 1 Ω

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

OK

5 CHECK WIRE HARNESS (BATTERY - HEADLIGHT DIMMER SWITCH)



- (a) Connect the E15 main body ECU connector.
- (b) Disconnect the E12 headlight dimmer switch connector.
- (c) Measure the voltage of the wire harness side connector.

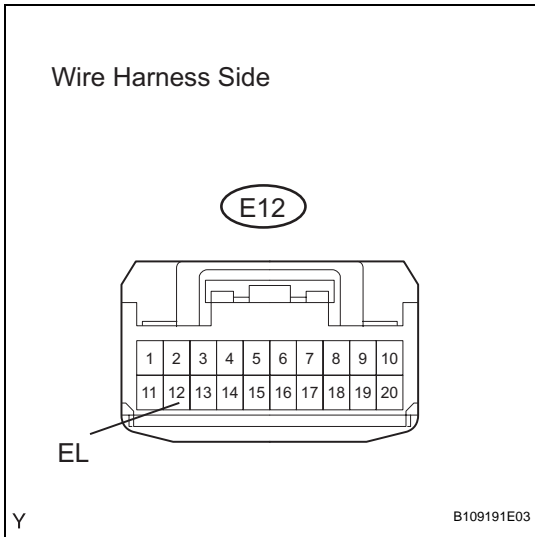
Standard voltage

Tester Connection	Specified Condition
E12-18 (T) - Body ground	10 to 14 V

NG → **REPLACE INSTRUMENT PANEL JUNCTION BLOCK**

OK

6 CHECK WIRE HARNESS (HEADLIGHT DIMMER SWITCH - BODY GROUND)



- (a) Disconnect the E12 headlight dimmer switch connector.
- (b) Measure the resistance of the wire harness side connector.

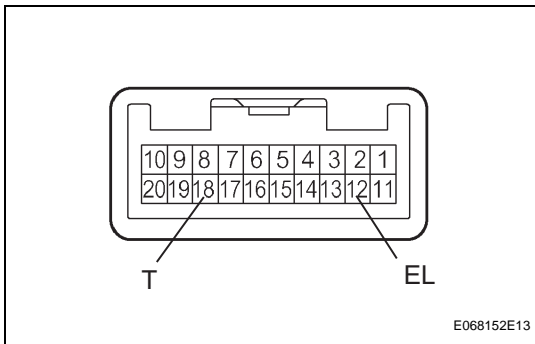
Standard resistance

Tester Connection	Specified Condition
E12-12 (EL) - Body ground	Below 1 Ω

NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

7 INSPECT HEADLIGHT DIMMER SWITCH



- (a) Remove the headlight dimmer switch.
- (b) Measure the resistance of the switch.

Standard resistance

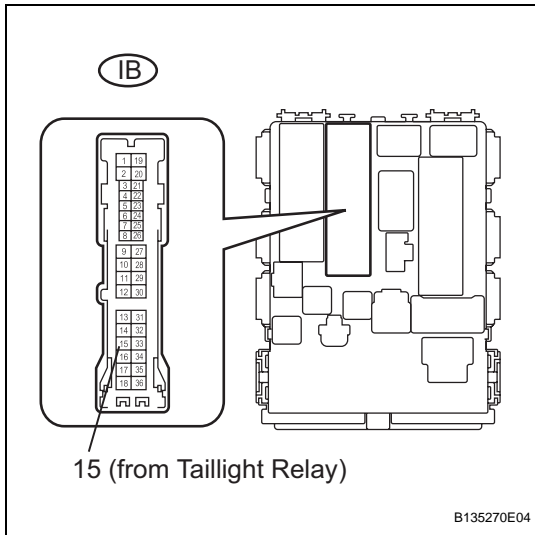
Tester Connection	Condition	Specified Condition
18 (T) - 12 (EL)	OFF	10 kΩ or higher
18 (T) - 12 (EL)	TAIL	Below 1 Ω

NG REPLACE HEADLIGHT DIMMER SWITCH

OK

REPLACE INSTRUMENT PANEL JUNCTION BLOCK

8 CHECK INSTRUMENT PANEL JUNCTION BLOCK (TAILLIGHT RELAY)



- (a) Disconnect the IB instrument panel junction block connector.
- (b) Measure the voltage of the junction block.

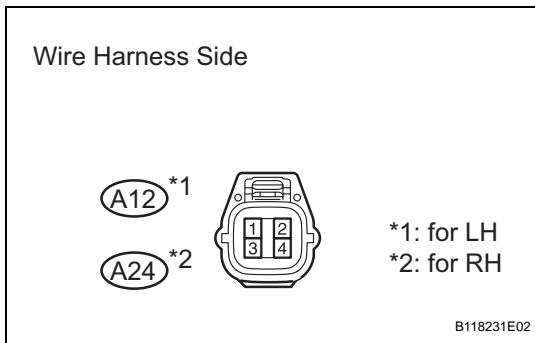
Standard voltage

Tester Connection	Condition	Specified Condition
Junction block IB terminal 15 - Body ground	Light control switch TAIL	10 to 14 V

NG → **REPLACE INSTRUMENT PANEL JUNCTION BLOCK**

OK

9 CHECK WIRE HARNESS (TAILLIGHT RELAY - FRONT SIDE MARKER LIGHT AND BODY GROUND)



- (a) Disconnect the A12 and A24 front side marker light connectors.
- (b) Measure the voltage and resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Condition	Specified Condition
A12-4 - Body ground	Light control switch on (TAIL)	10 to 14 V
A24-4 - Body ground	Light control switch on (TAIL)	10 to 14 V

Standard resistance

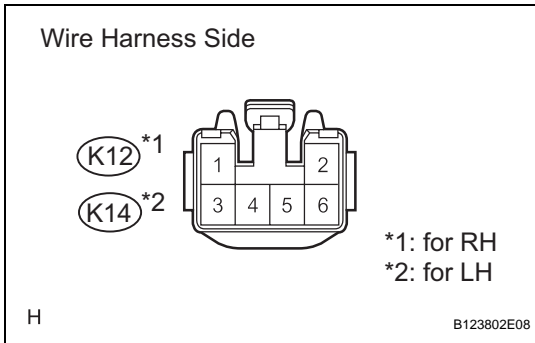
Tester Connection	Specified Condition
A12-1 - Body ground	Below 1 Ω
A24-1 - Body ground	Below 1 Ω

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

OK

REPLACE BULB

10 CHECK WIRE HARNESS (MAIN BODY ECU - REAR COMBINATION LIGHT)



- (a) Disconnect the K12 and K14 rear combination light connectors.
- (b) Measure the voltage and resistance of the wire harness side connectors.

Standard voltage

Tester Connection	Condition	Specified Condition
K14-2 - Body ground	Light control switch on (TAIL)	10 to 14 V
K12-2 - Body ground	Light control switch on (TAIL)	10 to 14 V

Standard resistance

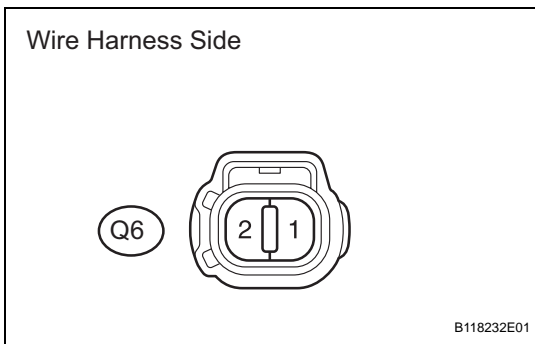
Tester Connection	Specified Condition
K14-1 - Body ground	Below 1 Ω
K12-1 - Body ground	Below 1 Ω

NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

REPLACE REAR COMBINATION LIGHT

11 CHECK WIRE HARNESS (MAIN BODY ECU - LICENSE PLATE LIGHT AND BODY GROUND)



- (a) Disconnect the Q6 license plate light connector.
- (b) Measure the voltage and resistance of the wire harness side connector.

Standard voltage

Tester Connection	Condition	Specified Condition
Q6-2 - Body ground	Light control switch on (TAIL)	10 to 14 V

Standard resistance

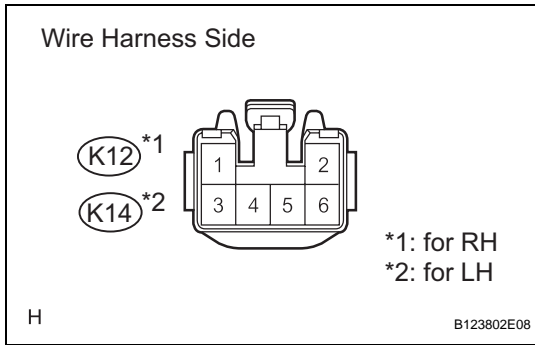
Tester Connection	Specified Condition
Q6-1 - Body ground	Below 1 Ω

NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

REPLACE BULB

12 CHECK WIRE HARNESS (MAIN BODY ECU - REAR COMBINATION LIGHT)



- (a) Disconnect the K12 and K14 rear combination light connectors.
- (b) Measure the voltage and resistance of the wire harness side connectors.

Standard voltage

Tester Connection	Condition	Specified Condition
K14-2 - Body ground	Light control switch on (TAIL)	10 to 14 V
K12-2 - Body ground	Light control switch on (TAIL)	10 to 14 V

Standard resistance

Tester Connection	Specified Condition
K14-1 - Body ground	Below 1 Ω
K12-1 - Body ground	Below 1 Ω

NG **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

REPLACE BULB

