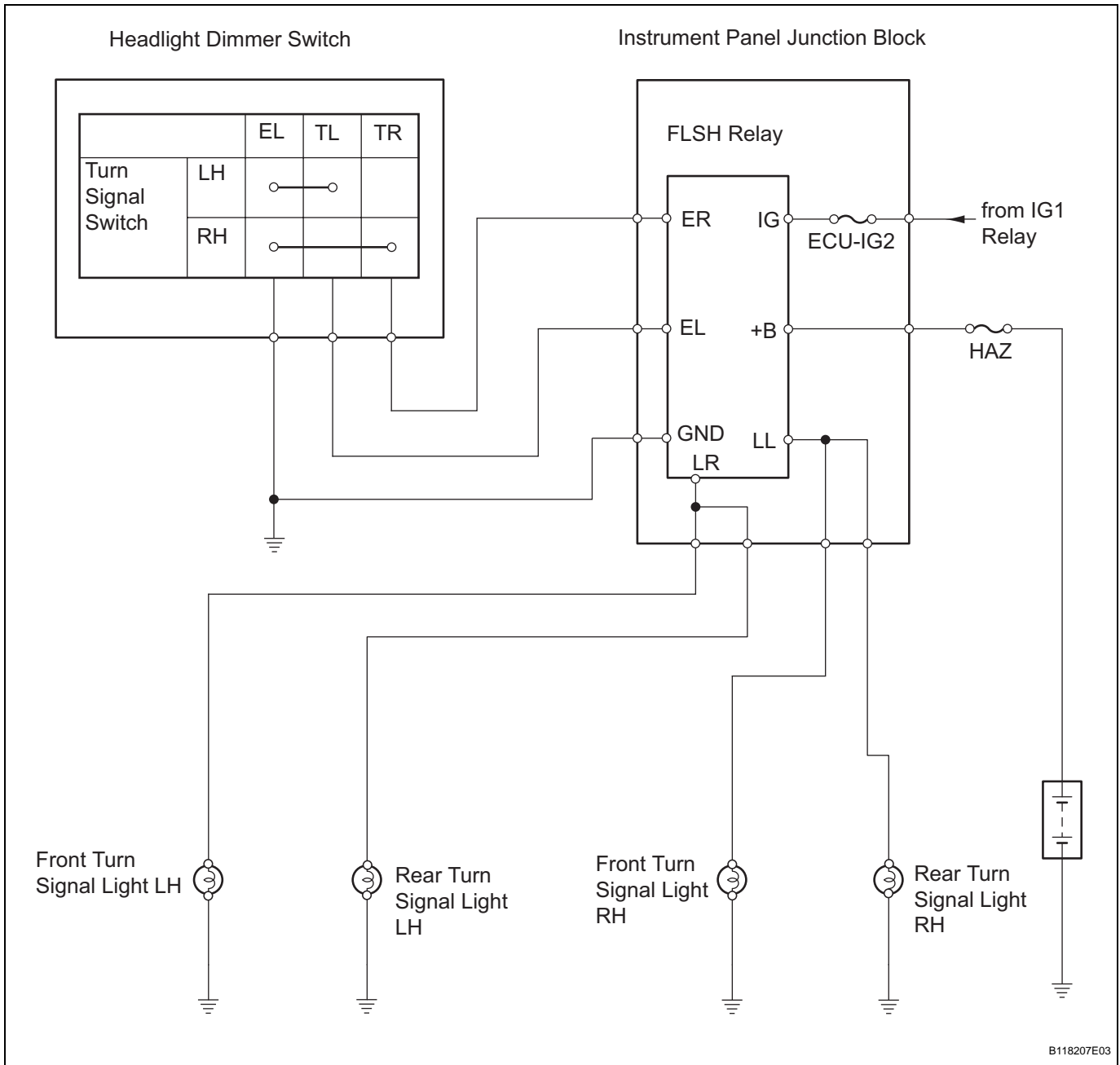


Turn Signal Light Circuit

DESCRIPTION

The turn signal flasher relay (Marking: FLSH) in the main body ECU turns on when it receives signals from the headlight dimmer switch integrated with the turn signal switch, causing the turn signal lights to flash.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK OPERATION OF TURN SIGNAL LIGHT

- (a) When the turn signal light switch is operated, check that the appropriate turn signal light flashes.

Result

Condition	Proceed to
All lights do not flash	A
Front turn signal light (LH or RH) does not flash	B
Rear turn signal light (LH or RH) does not flash	C

B → **Go to step 6**

C → **Go to step 8**

A

2 INSPECT FUSE (ECU-IG2, HAZ)

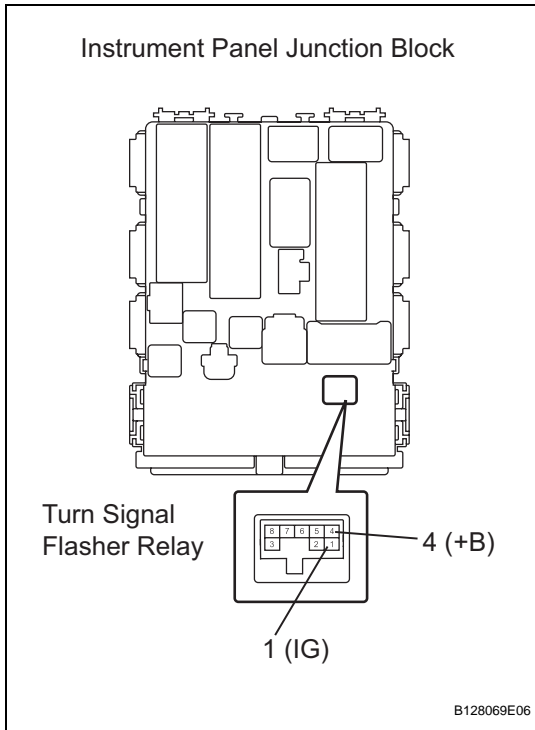
- (a) Remove the ECU-IG2 fuse from the instrument panel junction block.
- (b) Remove the HAZ fuse from the engine room No. 1 relay block.
- (c) Measure the resistance of the fuses.

Standard resistance:
Below 1 Ω

NG → **REPLACE FUSE**

OK

3 CHECK WIRE HARNESS (BATTERY - TURN SIGNAL FLASHER RELAY)



- (a) Disconnect the IB instrument panel junction block connector.
- (b) Remove the turn signal flasher relay from the instrument panel junction block.
- (c) Measure the voltage of the wire harness side connectors.

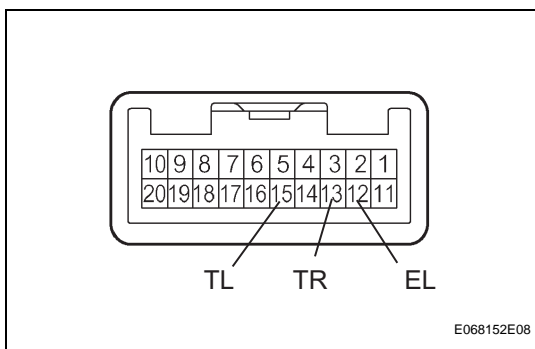
Standard voltage

Tester Connection	Condition	Specified Condition
Junction block turn signal flasher relay terminal 4 (+B) - Body ground	Always	10 to 14 V
Junction block turn signal flasher relay terminal 1 (IG) - Body ground	Ignition Switch ON	10 to 14 V

NG **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

4 INSPECT HEADLIGHT DIMMER SWITCH



- (a) Remove the headlight dimmer switch.
- (b) Inspect the turn signal switch.
- (c) Measure the resistance of the switch.

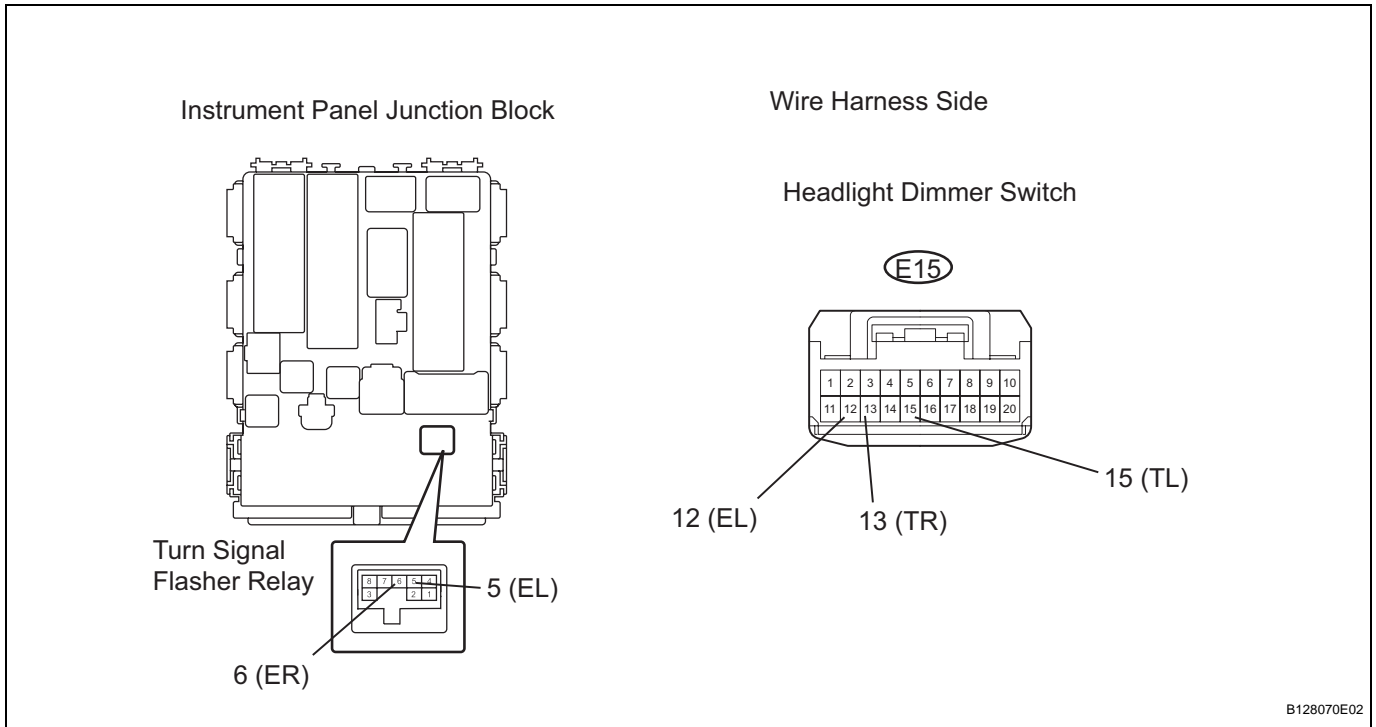
Standard resistance

Tester Connection	Condition	Specified Condition
13 (TR) - 12 (EL)	Right	Below 1 Ω
13 (TR) - 12 (EL)	Neutral	10 k Ω or higher
15 (TL) - 12 (EL)	Left	Below 1 Ω
15 (TL) - 12 (EL)	Neutral	10 k Ω or higher

NG **REPLACE HEADLIGHT DIMMER SWITCH**

OK

5 CHECK WIRE HARNESS (HEADLIGHT DIMMER SWITCH - INSTRUMENT PANEL JUNCTION BLOCK)



B128070E02

- (a) Remove the turn signal flasher relay.
- (b) Disconnect the E15 headlight dimmer switch connector.
- (c) Measure the resistance of the wire harness side connectors and junction block.

Standard resistance

Tester Connection	Specified Condition
Junction block turn signal flasher relay terminal 5 (EL) - E15-15 (TL)	Below 1 Ω
Junction block turn signal flasher relay terminal 5 (EL) or E15-15 (TL) - Body ground	10 kΩ or higher
Junction block turn signal flasher relay terminal 6 (ER) - E15-13 (TR)	Below 1 Ω
Junction block turn signal flasher relay terminal 6 (ER) or E15-13 (TR) - Body ground	10 kΩ or higher
E15-12 (EL) - Body ground	Below 1 Ω

NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

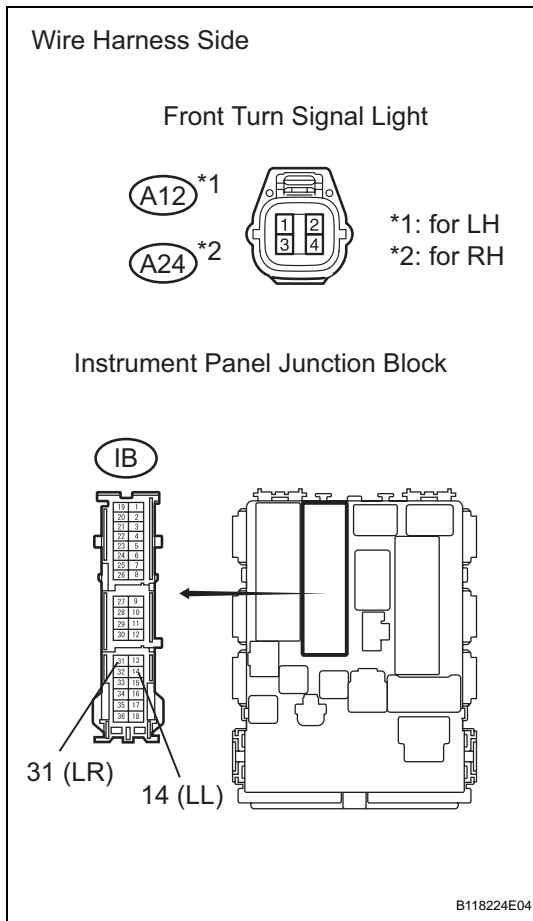
REPLACE TURN SIGNAL FLASHER RELAY

6 INSPECT FRONT TURN SIGNAL LIGHT

- Remove the front turn signal light.
- Connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2, then check that the light comes on.

OK:

Light comes on.

NG**REPLACE BULB****OK****7 CHECK WIRE HARNESS (INSTRUMENT PANEL JUNCTION BLOCK - FRONT TURN SIGNAL LIGHT)**

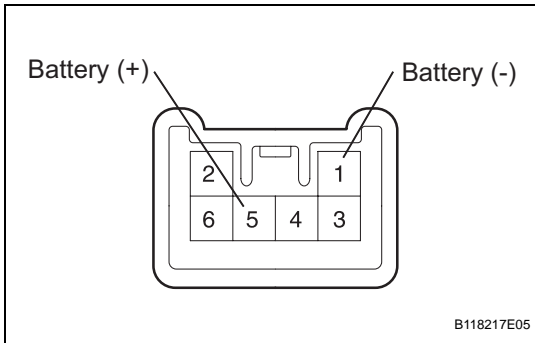
- Disconnect the A12 and A24 front turn signal light connectors.
- Disconnect the IB instrument panel junction block connector.
- Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
IB-31 (LR) - A24-1	Below 1 Ω
IB-31 (LR) or A24-1 - Body ground	10 k Ω or higher
IB-14 (LL) - A12-1	Below 1 Ω
IB-14 (LL) or A12-1 - Body ground	10 k Ω or higher

NG**REPAIR OR REPLACE HARNESS AND CONNECTOR****OK****REPAIR OR REPLACE HARNESS AND CONNECTOR (FRONT TURN SIGNAL LIGHT - BODY GROUND)**

8 INSPECT REAR TURN SIGNAL LIGHT



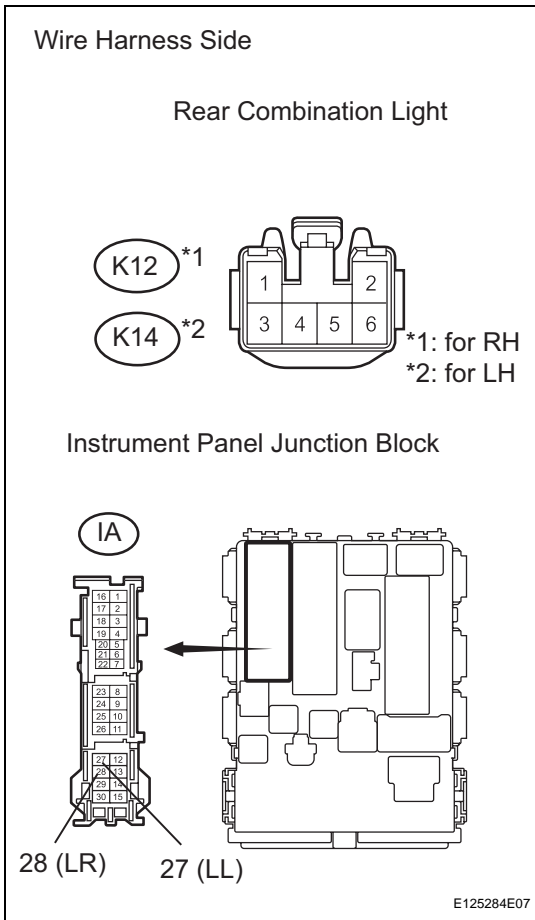
- (a) Remove the rear combination light.
- (b) Connect the positive (+) lead from the battery to terminal 5 and the negative (-) lead to terminal 1, then check that the light comes on.

OK:
Light comes on.

NG → **REPLACE BULB**

OK

9 CHECK WIRE HARNESS (INSTRUMENT PANEL JUNCTION BLOCK - REAR TURN SIGNAL LIGHT)



- (a) Disconnect the K12 and K14 rear combination light connectors.
- (b) Disconnect the IA instrument panel junction block connector.
- (c) Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
IA-28 (LR) - K12-5	Below 1 Ω
IA-28 (LR) or K12-5 - Body ground	10 kΩ or higher
IA-27 (LL) - K14-5	Below 1 Ω
IA-27 (LL) or K14-5 - Body ground	10 kΩ or higher

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

OK

REPAIR OR REPLACE HARNESS AND CONNECTOR (REAR TURN SIGNAL LIGHT - BODY GROUND)

