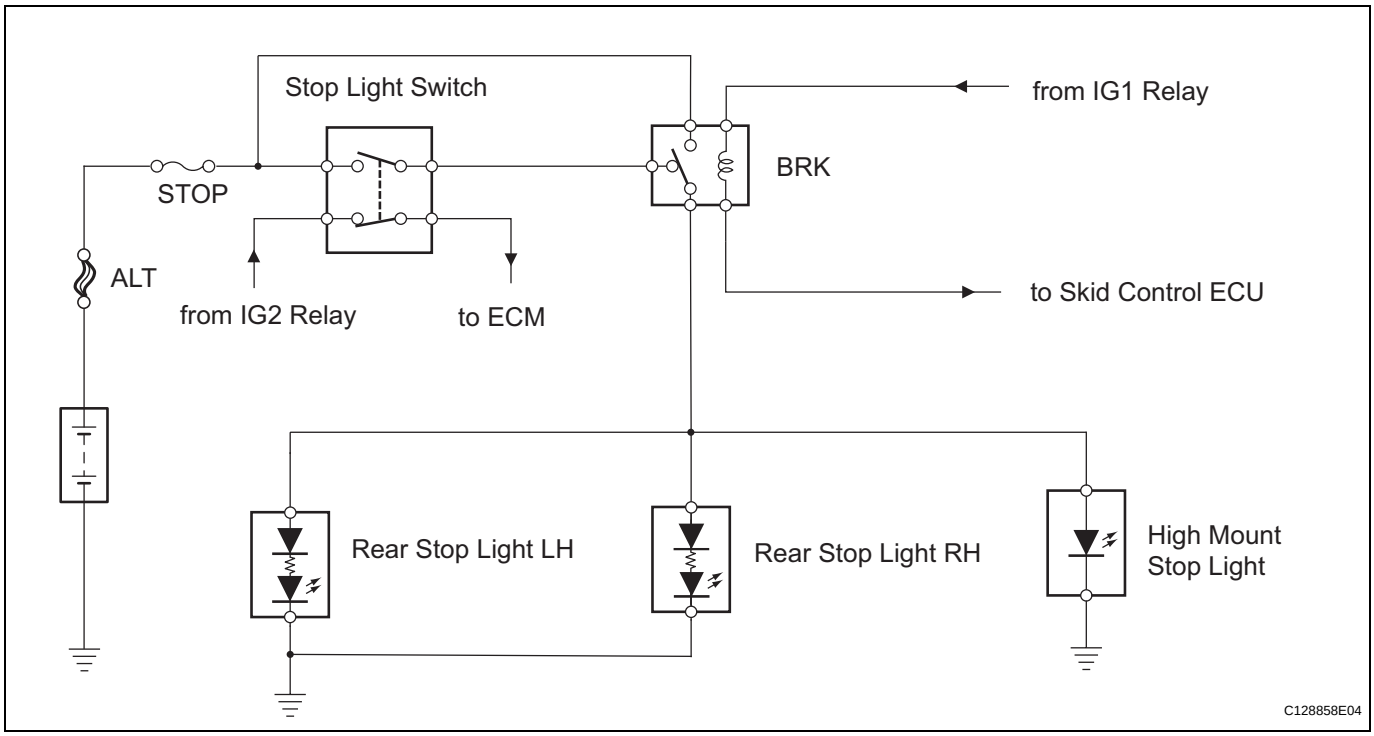
Stop Light Switch Circuit

DESCRIPTION

When the stop light switch is turned on, current flows to the stop lights to illuminate them.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT FUSE (STOP)

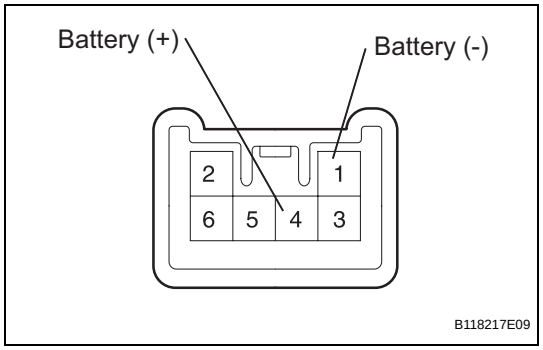
(a) Remove the STOP fuse from the instrument panel junction block.
(b) Measure the resistance of the fuse.
Standard resistance:
Below 1 Ω

NG → **REPLACE FUSE**

OK

LI

2 INSPECT STOP LIGHT (REAR COMBINATION LIGHT)

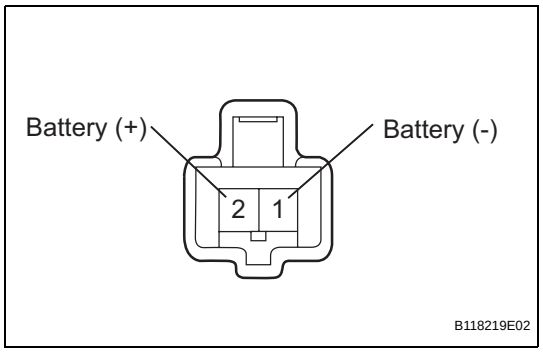


(a) Remove the rear combination light.
(b) Connect the positive (+) lead from the battery to terminal 4 and the negative (-) lead to terminal 1, then check that the light comes on.
OK:
Light comes on.

NG → **REPLACE REAR COMBINATION LIGHT**

OK

3 INSPECT REAR STOP LIGHT (HIGH MOUNT STOP LIGHT)

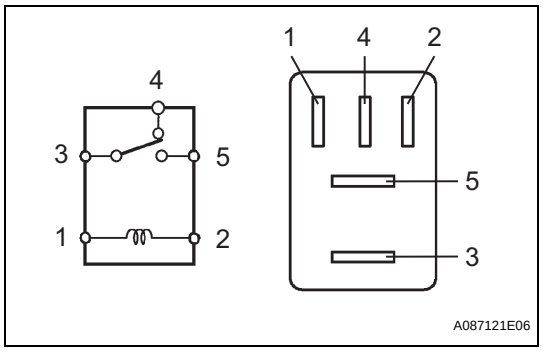


(a) Remove the high mount stop light assembly.
(b) Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1, then check that the light comes on.
OK:
Light comes on

NG → **REPLACE HIGH MOUNT STOP LIGHT ASSEMBLY**

OK

4 INSPECT BRK RELAY



(a) Remove the BRK relay from the engine room No. 1 relay block.
(b) Measure the resistance of the relay.
Standard resistance

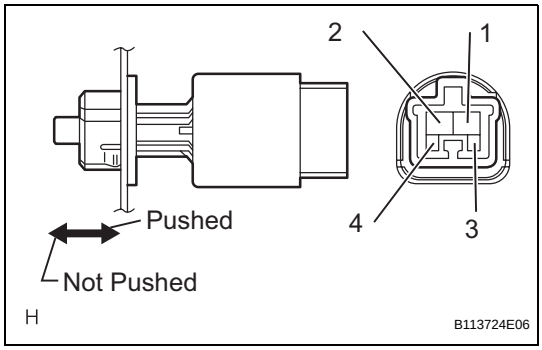
Tester Connection	Specified Condition
3 - 4	Below 1 Ω
3 - 4	10 kΩ or higher (Battery voltage applied to terminals 1 and 2)
3 - 5	10 kΩ or higher
3 - 5	Below 1 Ω (Battery voltage applied to terminals 1 and 2)

NG → **REPLACE BRK RELAY**

OK

LI

5 INSPECT STOP LIGHT SWITCH



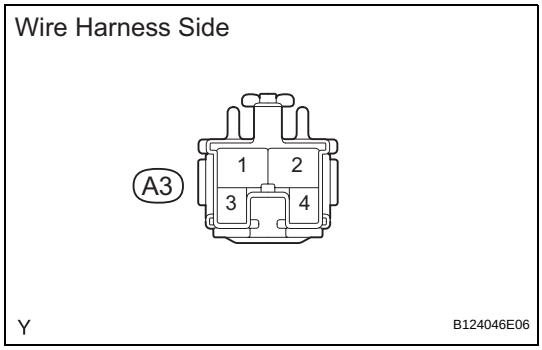
(a) Remove the stop light switch.
(b) Measure the resistance of the switch.
Standard resistance

Tester Connection	Condition	Specified Condition
1 - 2	Switch pin not pushed	Below 1 Ω
3 - 4	Switch pin pushed	10 kΩ or higher
1 - 2	Switch pin pushed	10 kΩ or higher
3 - 4	Switch pin not pushed	Below 1 Ω

NG → **REPLACE STOP LIGHT SWITCH**

OK

6 CHECK WIRE HARNESS (STOP LIGHT SWITCH - BATTERY)



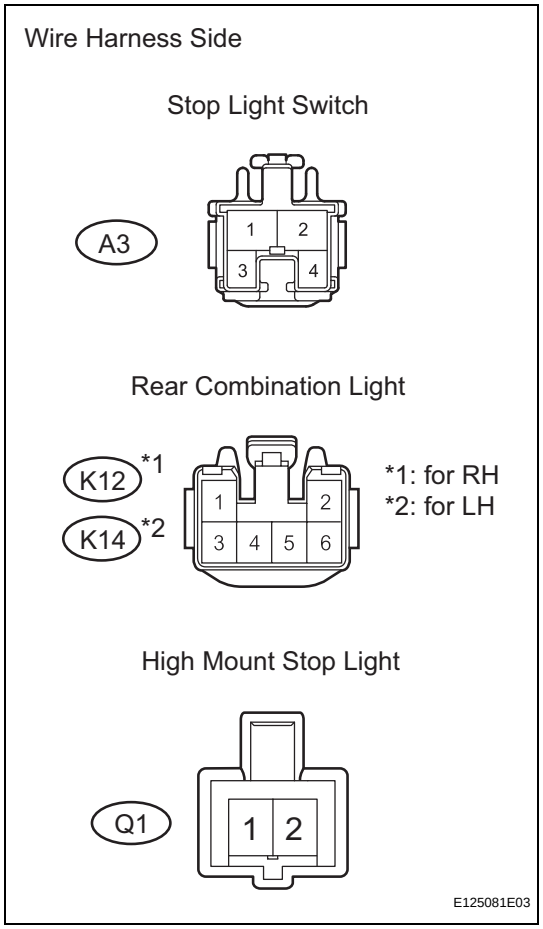
(a) Disconnect the A3 stop light switch connector.
(b) Measure the voltage of the wire harness side connector.
Standard voltage

Tester Connection	Specified Condition
A3-2 - Body ground	10 to 14 V

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

OK

7	CHECK WIRE HARNESS (STOP LIGHT SWITCH - REAR STOP LIGHT)



(a) Disconnect the A3 stop light switch connector.
(b) Disconnect the K12 and K14 rear combination light connectors.
(c) Disconnect the Q1 high mount stop light connector.
(d) Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
A3-1 - K12-4	Below 1 Ω
A3-1 or K12-4 - Body ground	10 kΩ or higher
A3-1 - K14-4	Below 1 Ω
A3-1 or K14-4 - Body ground	10 kΩ or higher
A3-1 - Q1-2	Below 1 Ω
A3-1 or Q1-2 - Body ground	10 kΩ or higher

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

OK

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