

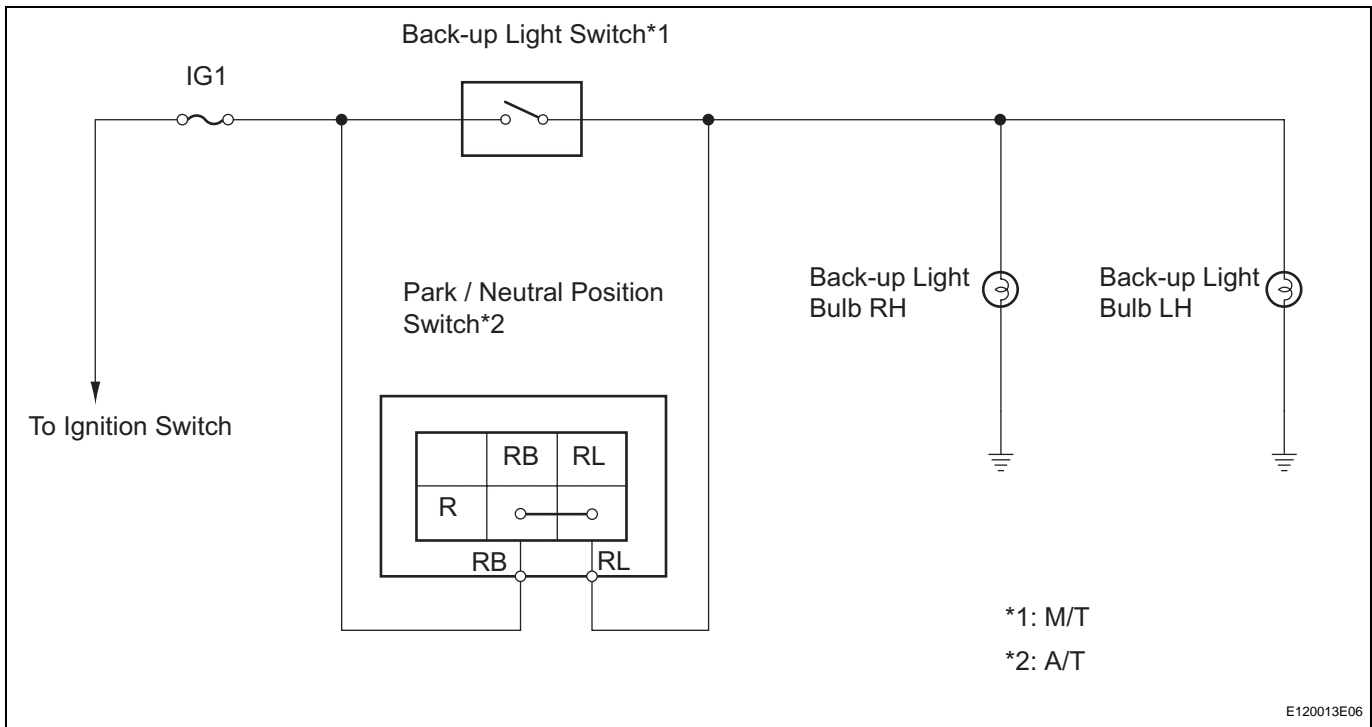
Back-up Light Circuit

DESCRIPTION

A/T models: The park / neutral position switch turns on when the shift lever is moved into the R position, causing the back-up lights to illuminate.

M/T models: The back-up light switch turns on when the shift lever is moved into the R position, causing the back-up lights to illuminate.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT FUSE (IG1)

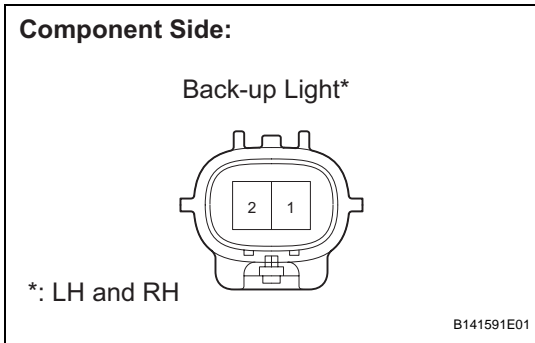
- (a) Remove the IG1 fuse from the main body ECU.
- (b) Measure the resistance.
Standard resistance:
Below 1 Ω
- (c) Reinstall the IG1 fuse.

NG

REPLACE FUSE

OK

2 INSPECT BULB (BACK-UP LIGHT BULB)



- (a) Remove the back-up light bulb.
- (b) Apply battery voltage to the terminals and check that the back-up light illuminates.

Standard

Measurement Condition	Standard
Positive battery - Terminal 1 Negative battery - Terminal 2	back-up light illuminates

- (c) Reinstall the back-up light bulb.

NG → **REPLACE BULB**

OK

3 CHECK TRANSAXLE TYPE

- (a) Check the vehicle's transaxle type.

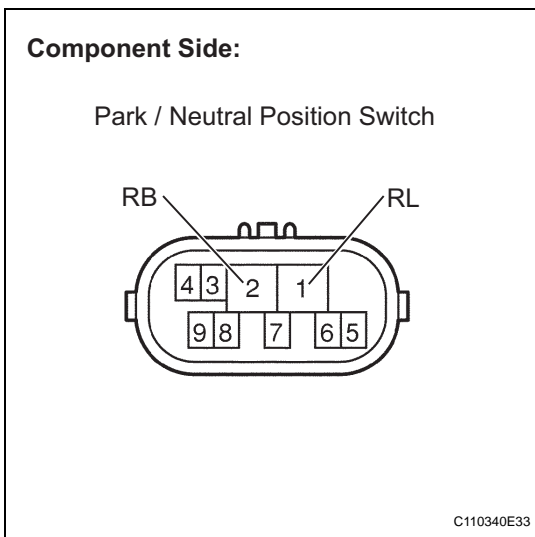
Result

Transaxle Type	Proceed To
A/T	A
M/T	B

B → **Go to step 7**

A

4 INSPECT PARK / NEUTRAL POSITION SWITCH



- (a) Disconnect the B35 park / neutral position switch.
- (b) Measure the resistance.

Standard resistance

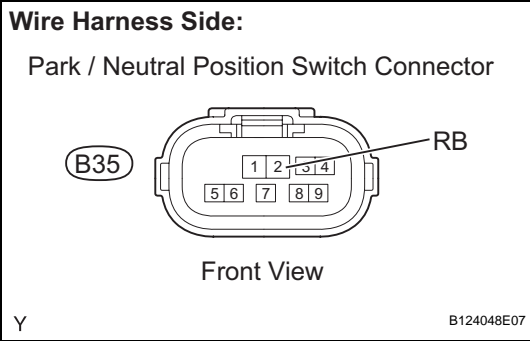
Tester Connection	Shift Position	Specified Connection
2 (RB) - 1 (RL)	R	Below 1 Ω
2 (RB) - 1 (RL)	Except R	10 kΩ or higher

- (c) Reconnect the park / neutral position switch.

NG → **REPLACE PARK / NEUTRAL POSITION SWITCH**

OK

5 CHECK HARNESS AND CONNECTOR (FUSE - PARK / NEUTRAL POSITION SWITCH)



(a) Disconnect the B35 park / neutral position switch connector.

(b) Measure the voltage.
Standard voltage

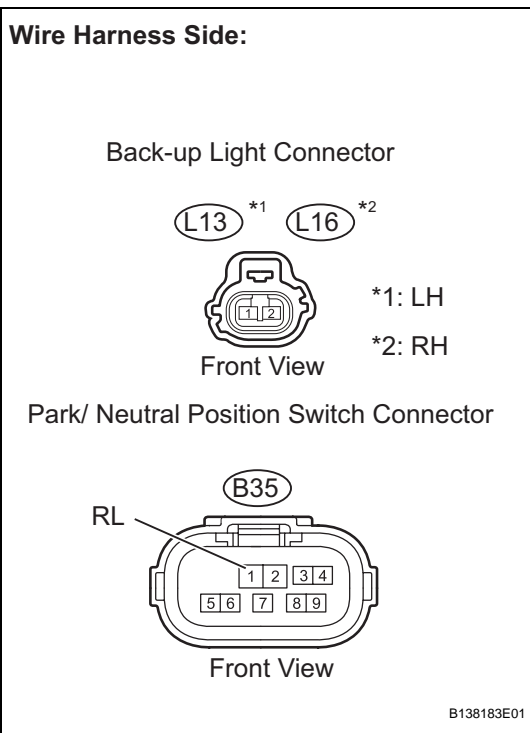
Tester Connection	Condition	Specified Condition
B35-2 (RB) - Body ground	Ignition switch ON	11 to 14 V

(c) Reconnect the park / neutral position switch connector.

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

6 CHECK HARNESS AND CONNECTOR (PARK / NEUTRAL POSITION SWITCH - REAR BACK-UP LIGHT)



(a) Disconnect the B35 park / neutral position switch connector.

(b) Disconnect the L13 and L16 back-up light connectors.

(c) Measure the resistance.
Standard resistance

Tester Connection	Specified Condition
B35-1 (RL) - L13-1	Below 1 Ω
B35-1 (RL) - L16-1	Below 1 Ω
L13-1 - Body ground	10 kΩ or higher
L16-1 - Body ground	10 kΩ or higher

(d) Reconnect the park / neutral position switch connector.

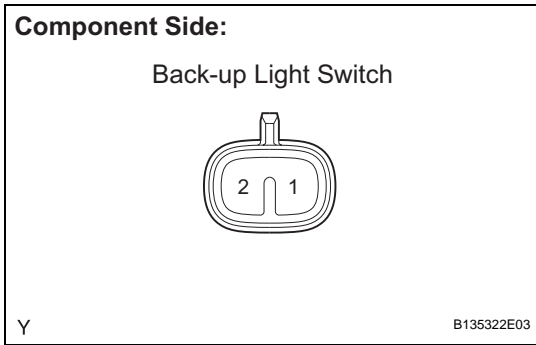
(e) Reconnect the back-up light connectors.

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (BACK-UP LIGHT - BODY GROUND)

7 INSPECT BACK-UP LIGHT SWITCH



- (a) Disconnect the B42 back-up light switch connector.
- (b) Measure the resistance.

Standard resistance

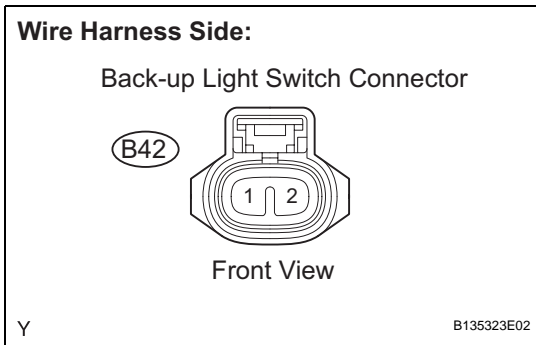
Tester Connection	Shift Position	Specified Connection
1 - 2	R	Below 1 Ω
1 - 2	Except R	10 kΩ or higher

- (c) Reconnect the back-up light switch connector.

NG → **REPLACE BACK-UP LIGHT SWITCH**

OK

8 CHECK HARNESS AND CONNECTOR (FUSE - BACK-UP LIGHT SWITCH)



- (a) Disconnect the B42 back-up light switch connector.
- (b) Measure the voltage.

Standard voltage

Tester Connection	Condition	Specified Condition
B42-2 - Body ground	Ignition switch ON	11 to 14 V

- (c) Reconnect the back-up light switch connector.

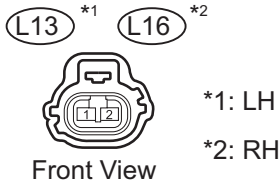
NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

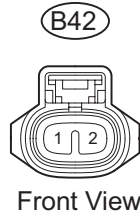
9 CHECK HARNESS AND CONNECTOR (BACK-UP LIGHT SWITCH - BACK-UP LIGHT)

Wire Harness Side:

Back-up Light Connector



Back-up Light Switch Connector



B138184E01

- (a) Disconnect the B42 back-up light switch connector.
- (b) Disconnect the L13 and L16 back-up light connectors.
- (c) Measure the resistance.

Standard resistance

Tester Connection	Specified Condition
B42-1 - L13-1	Below 1 Ω
B42-1 - L16-1	Below 1 Ω
L13-1 - Body ground	10 kΩ or higher
L16-1 - Body ground	10 kΩ or higher

- (d) Reconnect the back-up light switch connector.
- (e) Reconnect the back-up light connectors.

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

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (BACK-UP LIGHT - BODY GROUND)