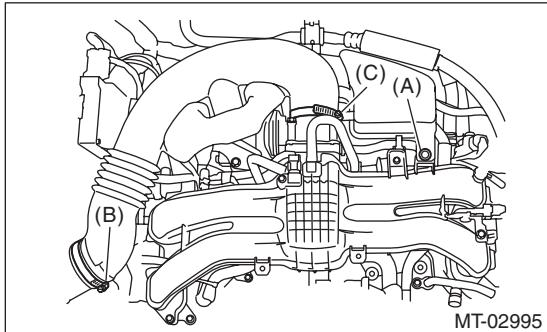


7. Switches and Harness

A: REMOVAL

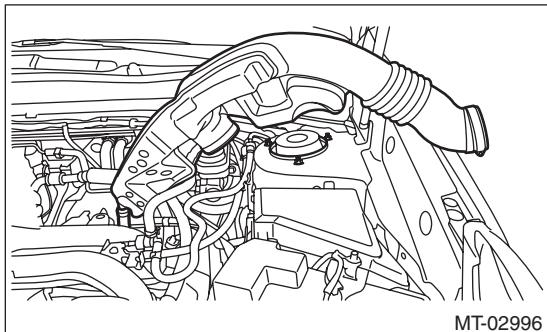
1. BACK-UP LIGHT AND NEUTRAL POSITION SWITCH

- 1) Disconnect the ground cable from battery.
- 2) Remove the clip (A) from the air intake boot.
- 3) Loosen the clamp (B) connecting the air intake boot and air cleaner case (rear).
- 4) Loosen the clamp (C) which connects the air intake boot and throttle body.



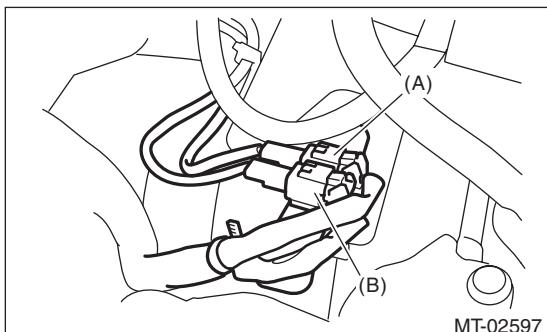
MT-02995

- 5) Remove the air intake boot from the throttle body, and move it to the left side wheel apron.



MT-02996

- 6) Disconnect the connector back-up light switch & neutral position switch.

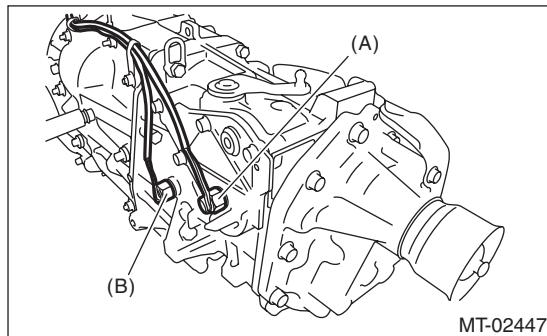


MT-02597

(A) Neutral position switch connector (brown)
(B) Back-up light switch connector (gray)

- 7) Remove the harness connector from bracket.
- 8) Lift up the vehicle.
- 9) Remove the harness from each clip.

- 10) Remove the back-up light switch & neutral position switch with the harness.



MT-02447

(A) Neutral position switch

(B) Back-up light switch

B: INSTALLATION

1. BACK-UP LIGHT AND NEUTRAL POSITION SWITCH

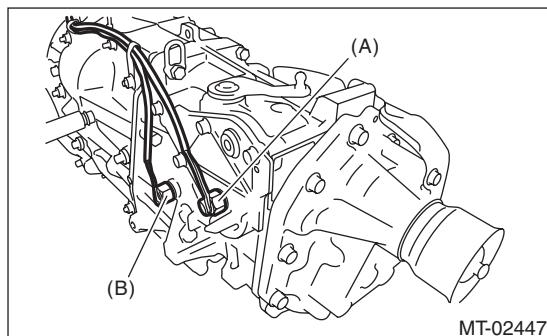
- 1) Install the back-up light switch & neutral position switch with the harness.

NOTE:

Use a new gasket.

Tightening torque:

32.3 N·m (3.3 kgf·m, 23.8 ft-lb)



MT-02447

(A) Neutral position switch

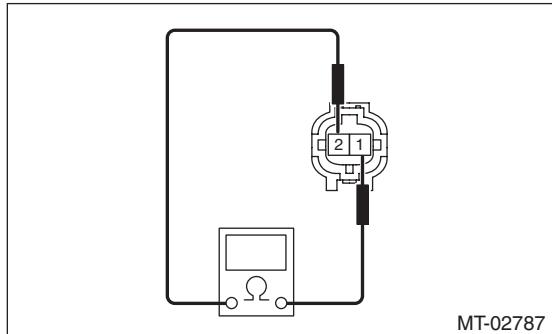
(B) Back-up light switch

- 2) Secure the harness on each clip.
- 3) Connect the connectors of back-up light switch & neutral position switch.
- 4) Install the air intake boot. <Ref. to IN(H4DO)-11, INSTALLATION, Air Intake Boot.>
- 5) Connect the battery ground terminal.

C: INSPECTION

1. BACK-UP LIGHT SWITCH

- 1) Turn the ignition switch to OFF.
- 2) Disconnect the back light switch connector.
- 3) Measure the resistance between the back-up light switch terminals.

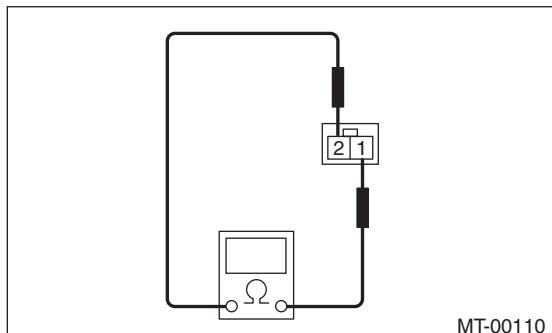


Gear shift position	Terminal No.	Specified resistance
Reverse position	1 and 2	Less than 1 Ω
Other positions		1 MΩ or more

- 4) Replace faulty parts.

2. NEUTRAL POSITION SWITCH

- 1) Turn the ignition switch to OFF.
- 2) Disconnect the connector of neutral position switch.
- 3) Measure the resistance between neutral position switch terminals.



Gear shift position	Terminal No.	Specified resistance
Neutral position	1 and 2	Less than 1 Ω
Other positions		1 MΩ or more

- 4) Replace faulty parts.