

# Switches and Harness

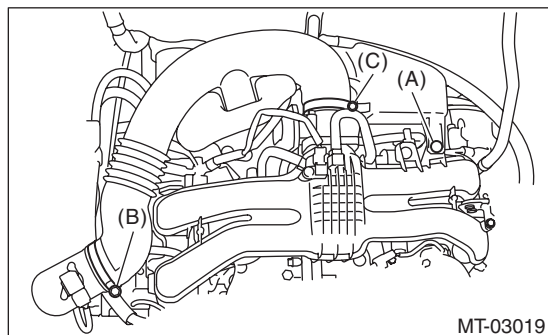
## MANUAL TRANSMISSION AND DIFFERENTIAL

### 7. Switches and Harness

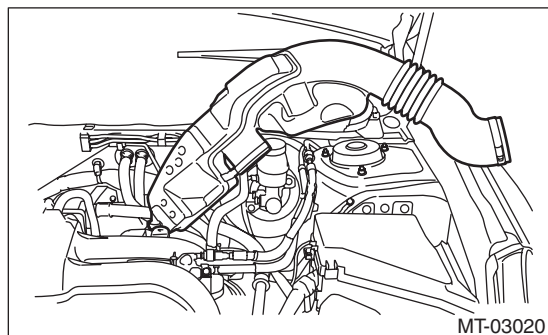
#### A: REMOVAL

##### 1. BACK-UP LIGHT AND NEUTRAL POSITION SWITCH

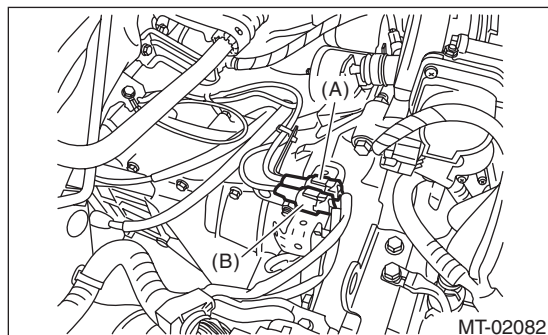
- 1) Disconnect the ground cable from battery.
- 2) Remove the clip (A) from the air intake boot.
- 3) Loosen the clamp (B) connecting the air intake boot and air cleaner case (rear).
- 4) Loosen the clamp (C) which connects the air intake boot and throttle body.



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



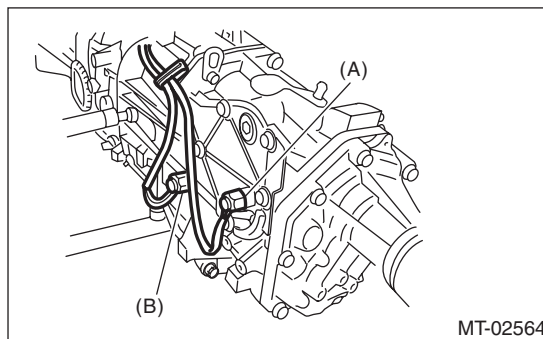
- 6) Disconnect the connector back-up light switch & neutral position switch.



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

- 7) Lift up the vehicle.

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



- (A) Neutral position switch  
(B) Back-up light switch

#### B: INSTALLATION

##### 1. BACK-UP LIGHT SWITCH & NEUTRAL POSITION SWITCH

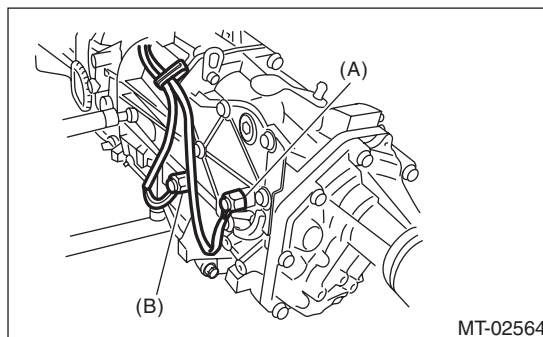
- 1) Install the back-up light switch & neutral position switch with the harness.

#### NOTE:

Use a new gasket.

#### Tightening torque:

**32.3 N·m (3.3 kgf·m, 23.8 ft·lb)**



- (A) Neutral position switch  
(B) Back-up light switch

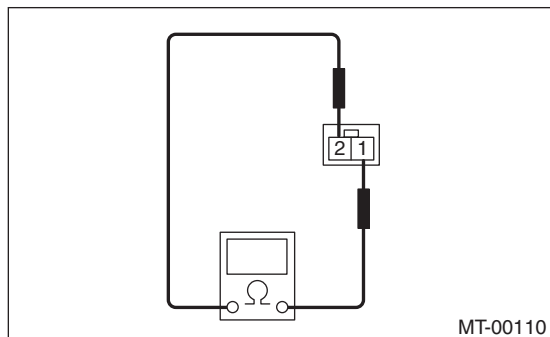
- 2) Lower the vehicle.
- 3) Connect the connectors of back-up light switch & neutral position switch.
- 4) Install the air intake boot assembly. <Ref. to IN(H4DO)-13, INSTALLATION, Air Intake Boot.>
- 5) Connect the battery ground terminal.

**C: INSPECTION****1. BACK-UP LIGHT SWITCH**

Check the back-up light switch. <Ref. to LI-13, INSPECTION, Back-up Light System.>

**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 $\Omega$
Other positions		1 M $\Omega$ or more

- 4) Replace faulty parts.