

# SWITCHES AND HARNESS

MANUAL TRANSMISSION AND DIFFERENTIAL

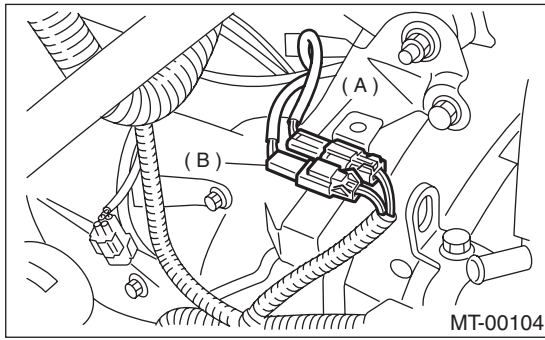
## 7. Switches and Harness

### A: REMOVAL

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

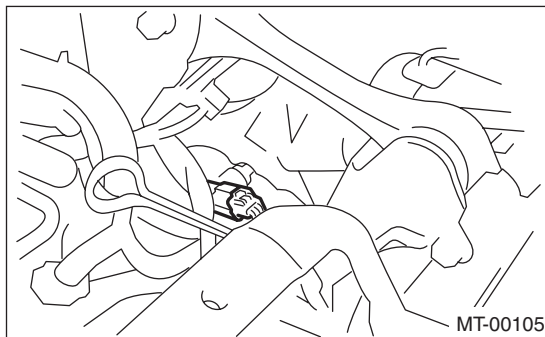
- 1) Disconnect ground cable from battery.
- 2) Remove the air intake duct and cleaner case or the air intake chamber. (Non-TURBO model) <Ref. to IN(H4SO)-6, REMOVAL, Air Cleaner Case.> and <Ref. to IN(H4SO)-7, REMOVAL, Air Intake Duct.>
- 3) Remove the intercooler. (Turbo model) <Ref. to IN(H4DOTC)-10, REMOVAL, Intercooler.>
- 4) Disconnect the connector of back-up light switch and neutral position switch.

#### • NON-TURBO MODEL



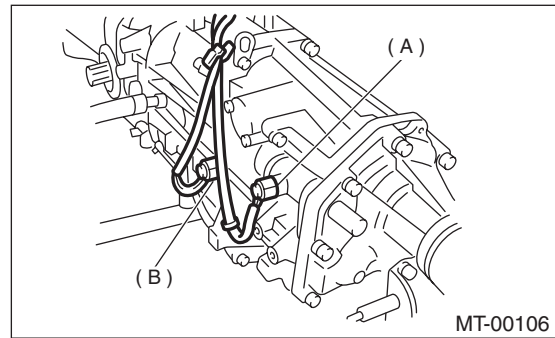
- (A) Neutral switch (Brown)
- (B) Back-up light switch (Gray)

#### • TURBO MODEL



- 5) Lift-up the vehicle.

- 6) Remove the back-up light switch and neutral position switch with harness.



- (A) Neutral switch (Brown)
- (B) Back-up light switch (Gray)

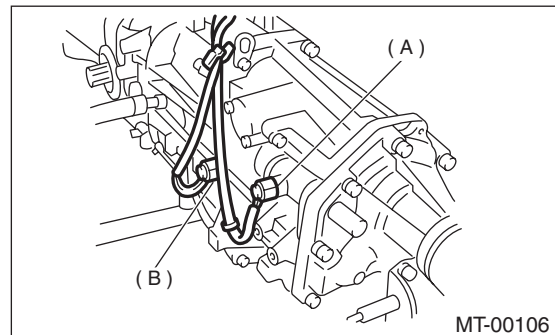
### B: INSTALLATION

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

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

#### **Tightening torque:**

**32.3 N·m (3.3 kgf·m, 24 ft·lb)**



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

- 2) Connect the connector of back-up light switch and neutral position switch.
- 3) Install the air intake duct and cleaner case or the air intake chamber. (Non-TURBO model) <Ref. to IN(H4SO)-6, INSTALLATION, Air Cleaner Case.> and <Ref. to IN(H4SO)-7, INSTALLATION, Air Intake Duct.>
- 4) Install the intercooler. (Turbo model) <Ref. to IN(H4DOTC)-11, INSTALLATION, Intercooler.>
- 5) Connect the battery ground cable to battery.

# SWITCHES AND HARNESS

## MANUAL TRANSMISSION AND DIFFERENTIAL

### C: INSPECTION

#### 1. BACK-UP LIGHT SWITCH

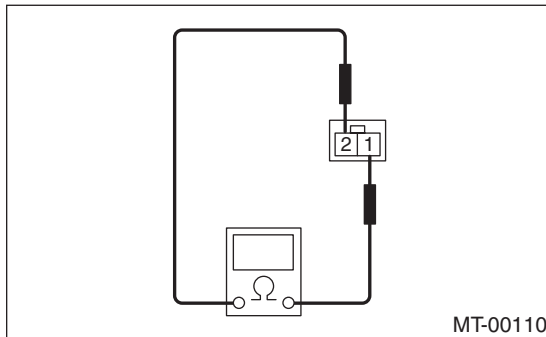
Inspect the back-up light switch. <Ref. to LI-7, Back-up Light System.>

#### 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.

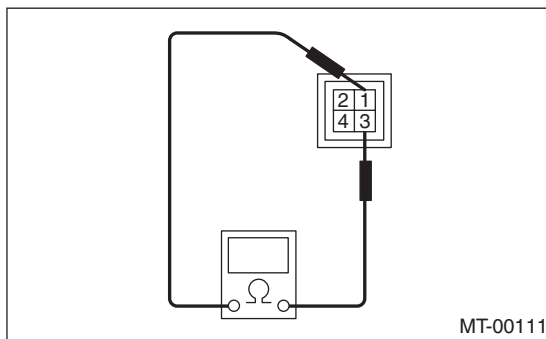
##### Non-TURBO model:

Gear shift position	Terminal No.	Specified resistance
Neutral position	1 and 2	Less than 1 $\Omega$
Other positions		More than 1 M $\Omega$



##### Turbo model:

Gear shift position	Terminal No.	Specified resistance
Neutral position	1 and 3	Less than 1 $\Omega$
Other positions		More than 1 M $\Omega$



- 4) Replace defective parts.