

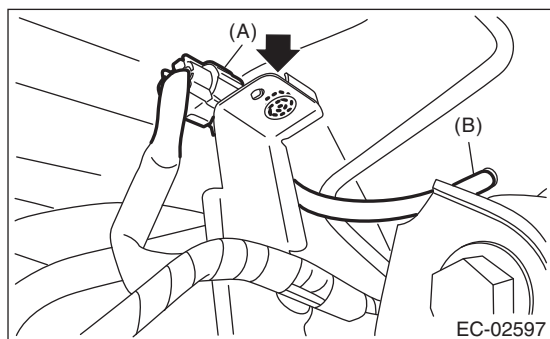
## 10. Fuel Tank Pressure Sensor

### A: REMOVAL

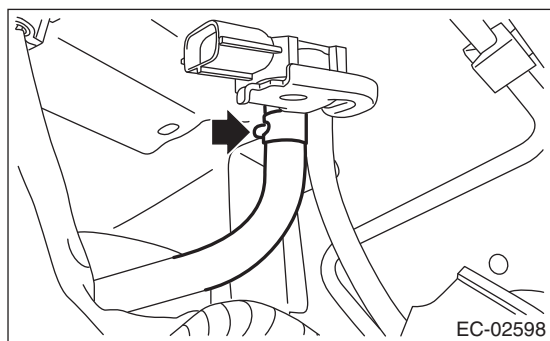
#### WARNING:

Place “NO OPEN FLAMES” signs near the working area.

- 1) Disconnect the ground cable from battery.
- 2) Open the fuel filler lid and remove the fuel filler cap.
- 3) Lift up the vehicle.
- 4) Disconnect connector (A) from fuel tank pressure sensor.
- 5) Pull out the vacuum hose (B) from vehicle.
- 6) Remove the fuel tank pressure sensor from the bracket.



- 7) Disconnect the pressure hose from fuel tank pressure sensor and remove the fuel tank pressure sensor.

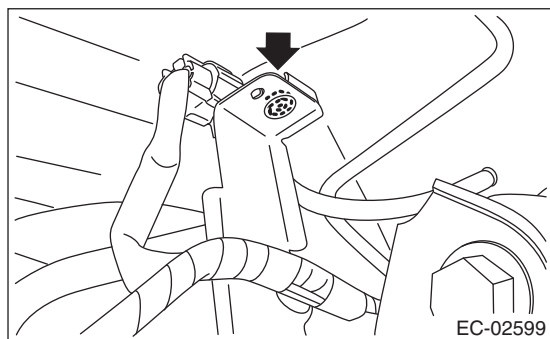


### B: INSTALLATION

Install in the reverse order of removal.

#### Tightening torque:

**7.35 N·m (0.7 kgf-m, 5.4 ft-lb)**



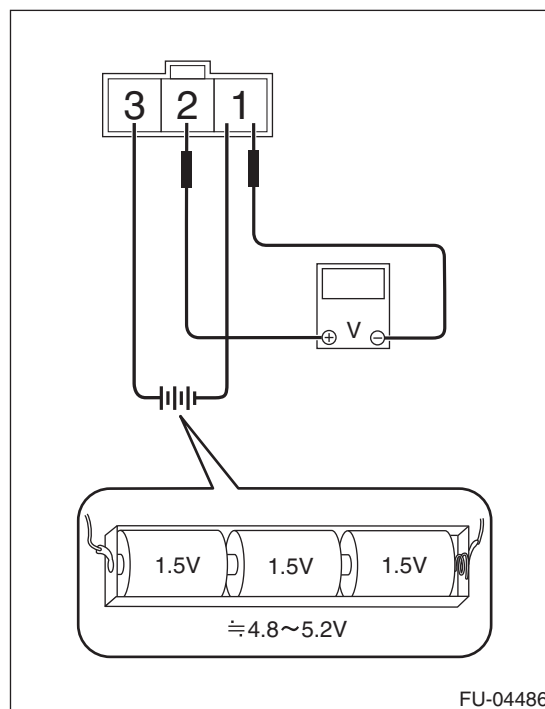
## C: INSPECTION

### 1. FUEL TANK PRESSURE SENSOR

- 1) Check that the fuel tank pressure sensor does not have deformation, cracks or other damages.
- 2) Connect dry-cell battery positive terminal to terminal No. 3 and dry-cell battery ground terminal to terminal No. 1, circuit tester positive terminal to terminal No. 2 and the circuit tester negative terminal to terminal No. 1.

#### NOTE:

- Use new dry-cell batteries.
- Using circuit tester, check the voltage of a single dry-cell battery is 1.6 V or more. And also check the voltage of three batteries in series is between 4.8 V and 5.2 V.



- 3) Check the voltage at a normal atmospheric pressure.

#### NOTE:

The atmospheric pressure at higher altitude is lower than normal. Therefore, the voltage is lower than the standard value.

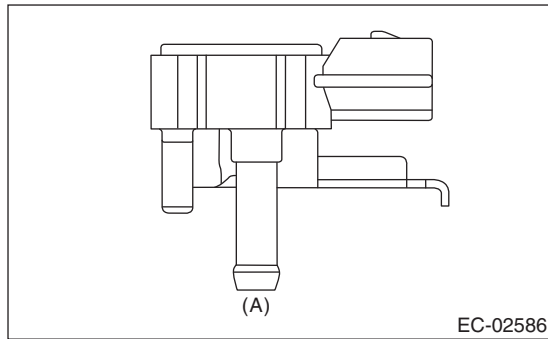
Terminal No.	Standard
2 (+) and 1 (-)	Approx. 2.5 V (when 25°C (77°F))

## Fuel Tank Pressure Sensor

### EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

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- 4) Connect the Mighty Vac to the pressure port (A) on the fuel tank pressure sensor.



- 5) Check the voltage when generating vacuum and positive pressure using Mighty Vac.

#### CAUTION:

**Be sure to apply pressure within a range of  $-10$  —  $20$  kPa ( $-0.1$  —  $0.2$  kgf/cm<sup>2</sup>,  $-1.45$  —  $2.90$  psi). Otherwise the fuel tank pressure sensor will be damaged.**

Pressure	Terminal No.	Standard
$-6.67$ kPa ( $-0.07$ kgf/cm <sup>2</sup> , $-0.97$ psi)	2 (+) and 1 (–)	Approx. $0.5$ V (when $25^{\circ}\text{C}$ ( $77^{\circ}\text{F}$ ))
$6.67$ kPa ( $0.07$ kgf/cm <sup>2</sup> , $0.97$ psi)		Approx. $4.5$ V (when $25^{\circ}\text{C}$ ( $77^{\circ}\text{F}$ ))

## 2. OTHER INSPECTIONS

Check that the hose has no cracks, damage or loose part.