

Fuel Tank Pressure Sensor

EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

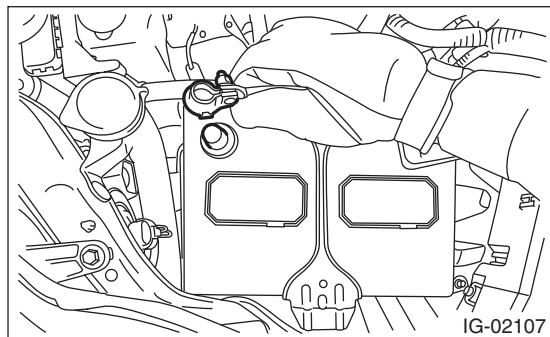
9. Fuel Tank Pressure Sensor

A: REMOVAL

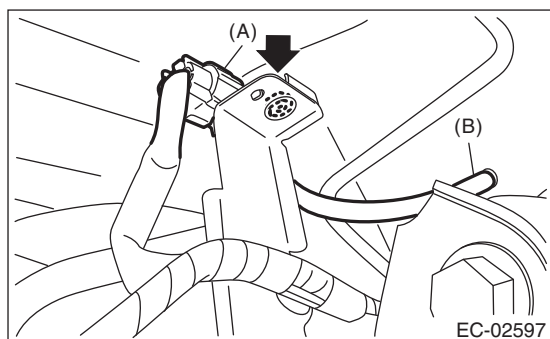
WARNING:

Place "NO OPEN FLAMES" signs near the working area.

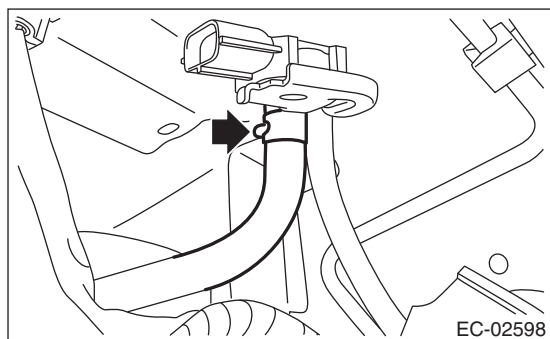
- 1) Disconnect the ground cable from battery.



- 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.

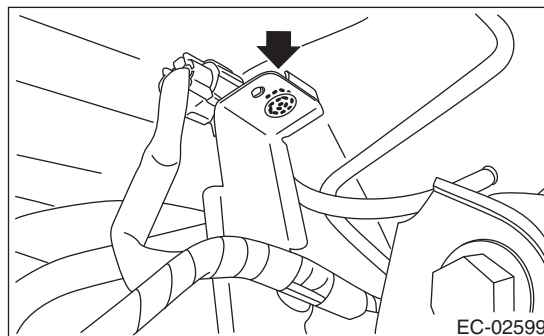


B: INSTALLATION

Install in the reverse order of removal.

Tightening torque:

7.35 N·m (0.7 kgf-m, 5.4 ft-lb)



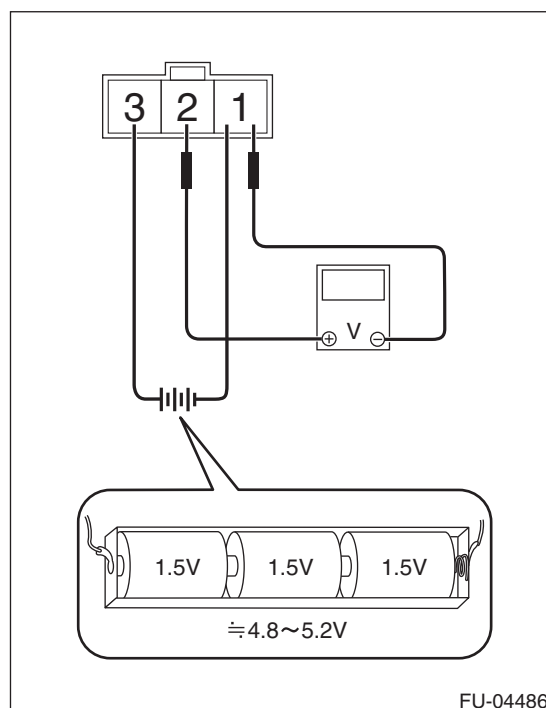
C: INSPECTION

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.

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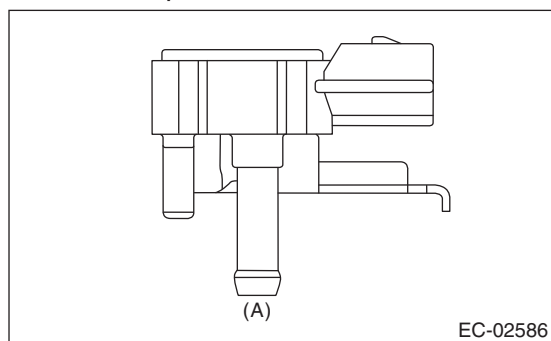
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NOTE:

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))

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/cm², -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 ² , -0.97 psi)	2 (+) and 1 (-)	Approx. 0.5 V (when 25°C (77°F))
6.67 kPa (0.07 kgf/cm ² , 0.97 psi)		Approx. 4.5 V (when 25°C (77°F))

2. OTHER INSPECTIONS

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