

Fuel Tank Pressure Sensor

EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

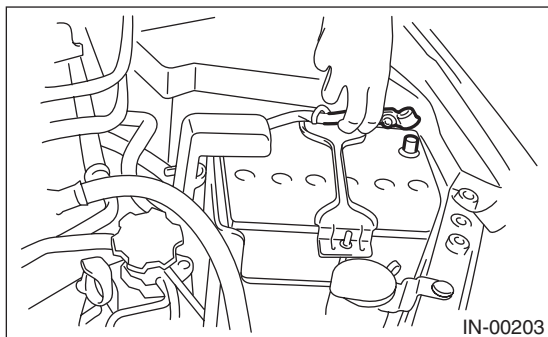
10. Fuel Tank Pressure Sensor

A: REMOVAL

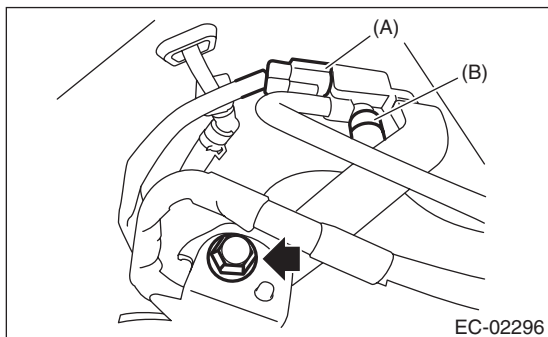
WARNING:

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

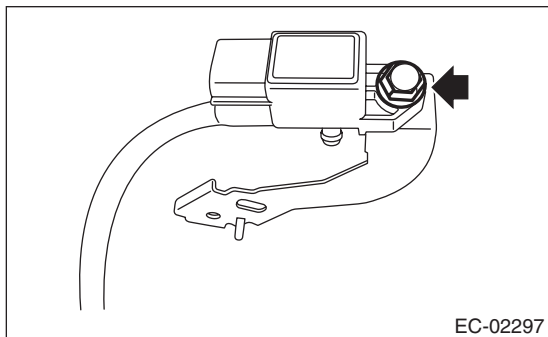
- 1) Disconnect the ground cable from battery.



- 2) Open the fuel filler lid and remove the fuel filler cap.
- 3) Lift up the vehicle.
- 4) Disconnect the connector from the fuel tank pressure sensor (A).
- 5) Disconnect the pressure hose from the fuel tank pressure sensor (B).
- 6) Remove the fuel tank pressure sensor along with the bracket.



- 7) Remove the fuel tank pressure sensor from the bracket cover.

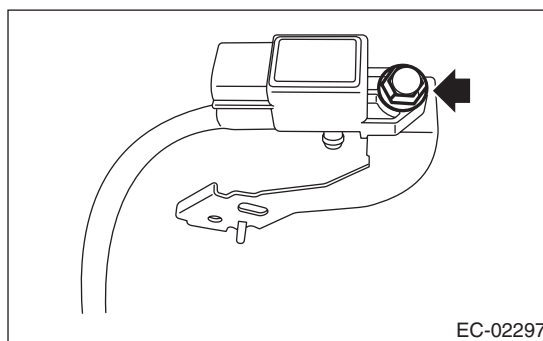
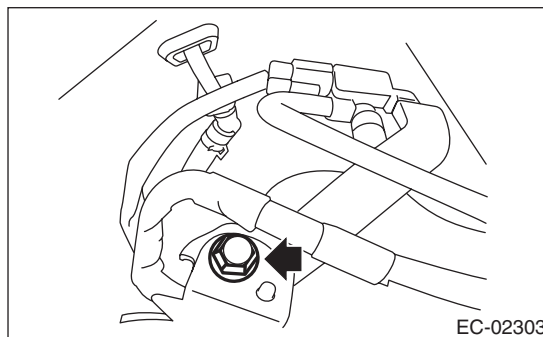


B: INSTALLATION

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

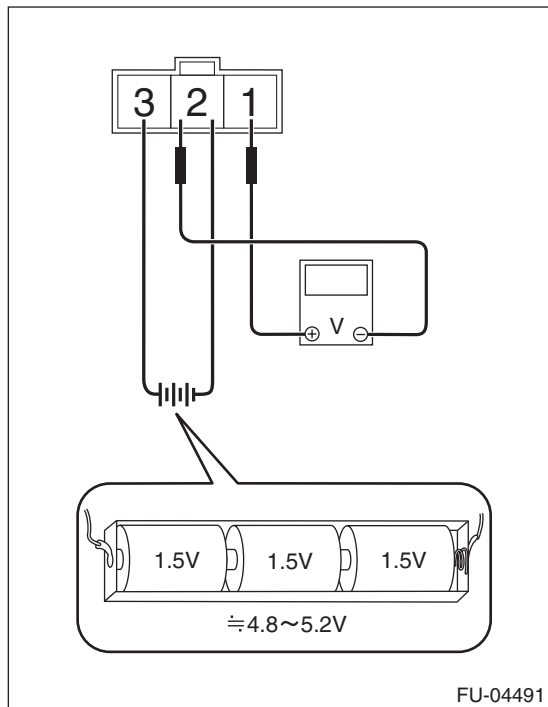
- 1) Check that the fuel tank pressure sensor has no deformation, cracks or other damages.
- 2) Connect dry-cell battery positive terminal to terminal No. 3 and dry-cell battery ground terminal to terminal No. 2, circuit tester positive terminal to terminal No. 1 and the circuit tester negative terminal to terminal No. 2.

Fuel Tank Pressure Sensor

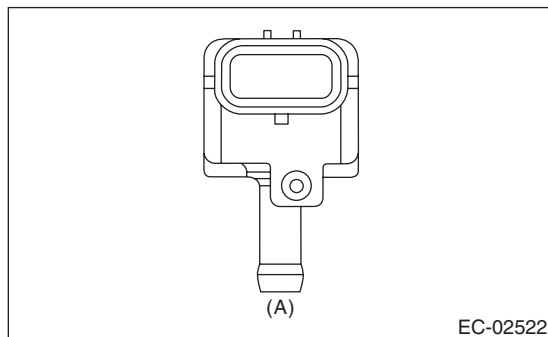
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NOTE:

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



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

CAUTION:

Do not apply pressure out of the range of -10 — 20 kPa (-0.1 — 0.2 kgf/cm², -1.45 — 2.90 psi). Doing so may damage the fuel tank pressure sensor.

Pressure	Terminal No.	Standard
-6.666 kPa (-0.07 kgf/cm ² , -0.97 psi)	1 (+) and 2 (-)	Approx. 0.5 V (when 25°C (77°F))
-2.000 kPa (-0.02 kgf/cm ² , -0.29 psi)		Approx. 1.9 V (when 25°C (77°F))
2.000 kPa (0.02 kgf/cm ² , 0.29 psi)		Approx. 3.1 V (when 25°C (77°F))
6.666 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.