

Purge Control Solenoid Valve

EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

5. Purge Control Solenoid Valve

A: REMOVAL

1) Disconnect the ground cable from battery. <Ref. to NT-5, BATTERY, NOTE, Note.>

NOTE:

For the 12 volt engine restart battery, disconnect the ground terminal from 12V engine restart battery sensor.

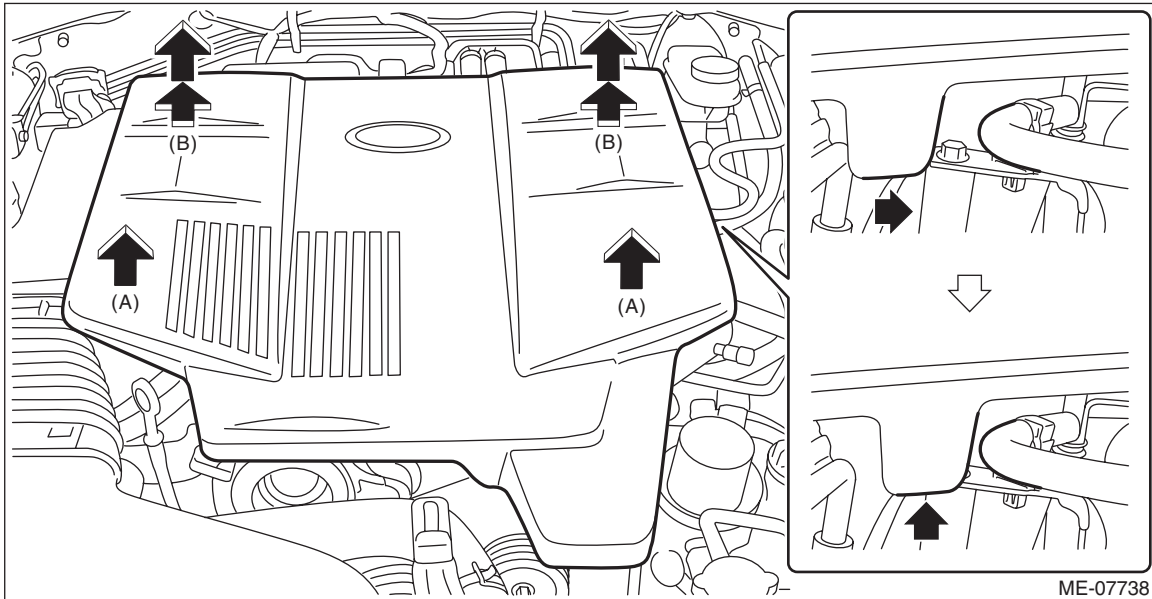
2) Remove the collector cover.

(1) Carefully pull up the front of collector cover at two positions (A).

(2) Carefully pull up the rear of collector cover at two positions (B) while moving it backward.

NOTE:

Be careful not to contact the fuel delivery tube when moving the collector cover rearward.

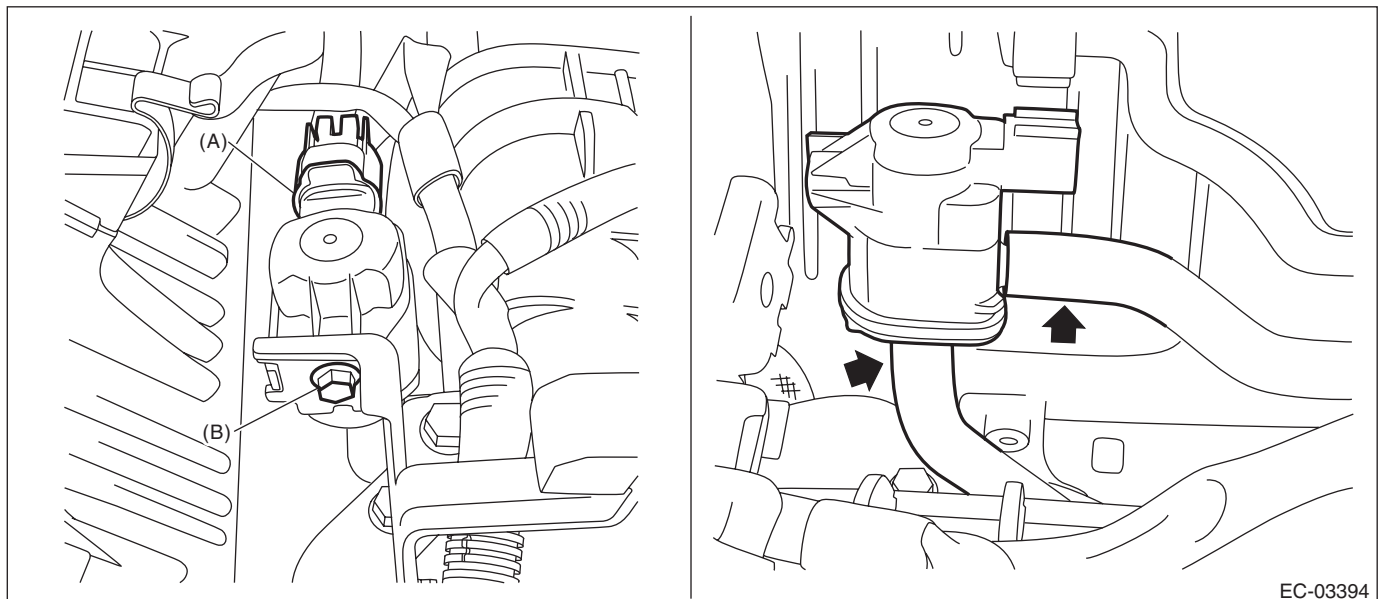


3) Disconnect the connector (A) from the purge control solenoid valve, and remove the bolt (B) which secures the purge control solenoid valve to the purge control solenoid valve bracket.

NOTE:

Hold the purge control solenoid valve unit by hand to prevent it from rotating together.

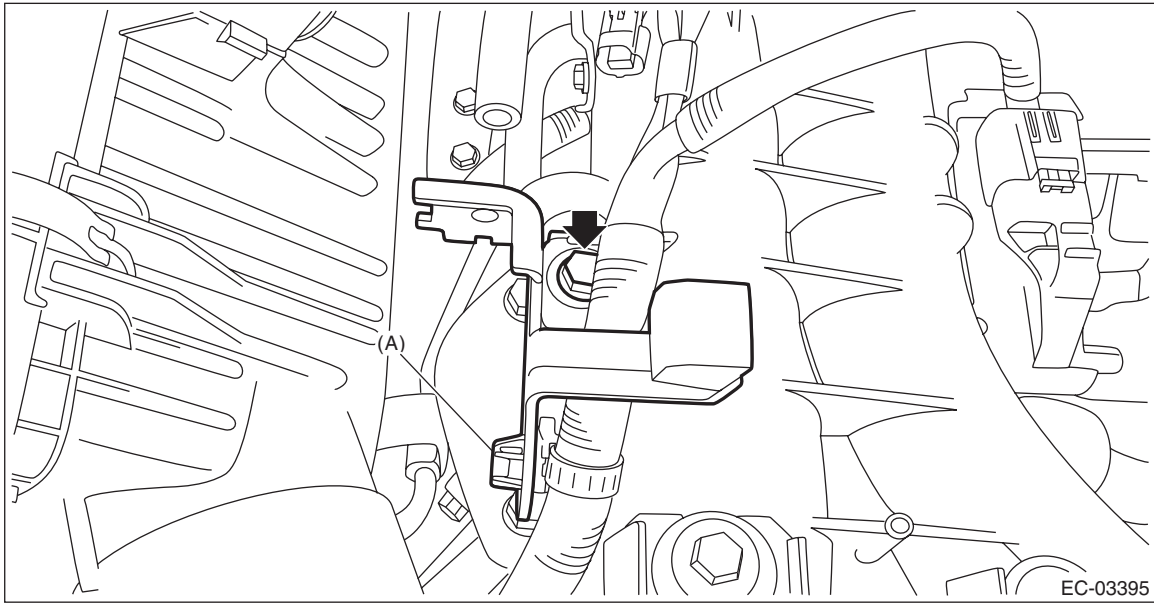
4) Disconnect the vacuum hose from the purge control solenoid valve, and then remove the purge control solenoid valve.



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5) Remove the clip (A) securing the engine wiring harness, and remove the purge control solenoid valve bracket from the intake manifold.

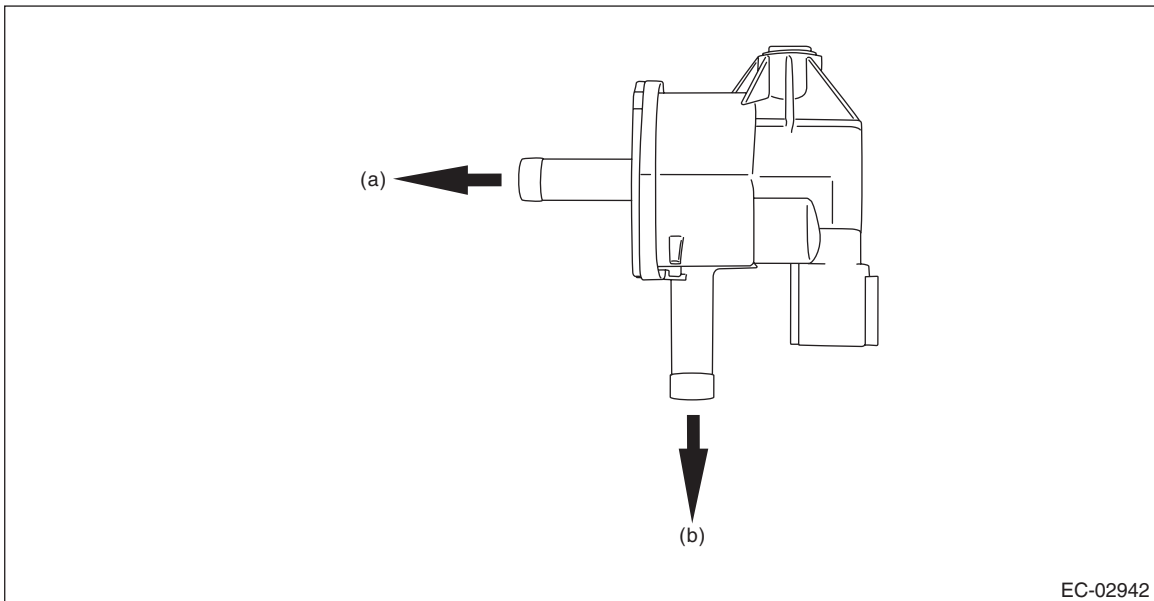


B: INSTALLATION

Install in the reverse order of removal.

NOTE:

- Hold the purge control solenoid valve unit by hand to prevent it from rotating together.
- Connect the vacuum hose as shown in the figure.



(a) To EGR pipe

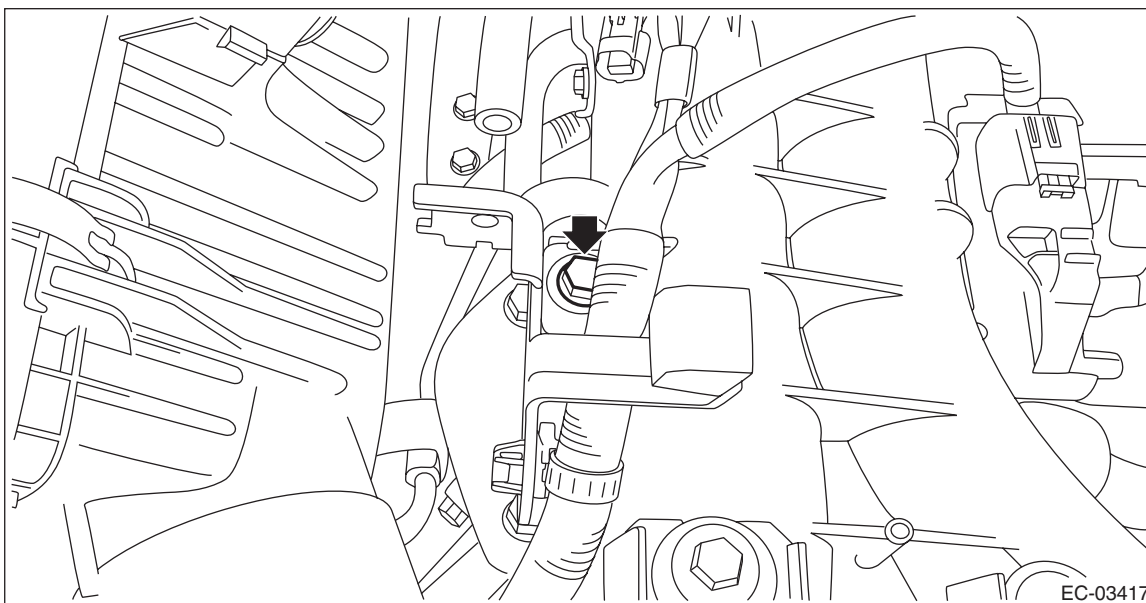
(b) To fuel pipe

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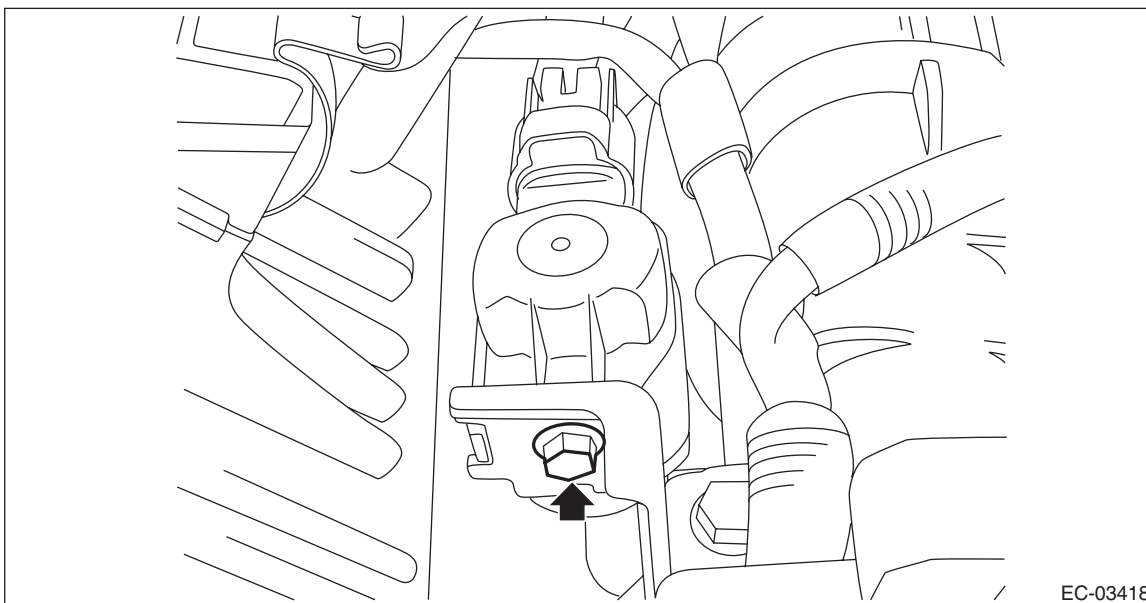
Tightening torque:

6.4 N·m (0.7 kgf-m, 4.7 ft-lb)



Tightening torque:

3.4 N·m (0.3 kgf-m, 2.5 ft-lb)



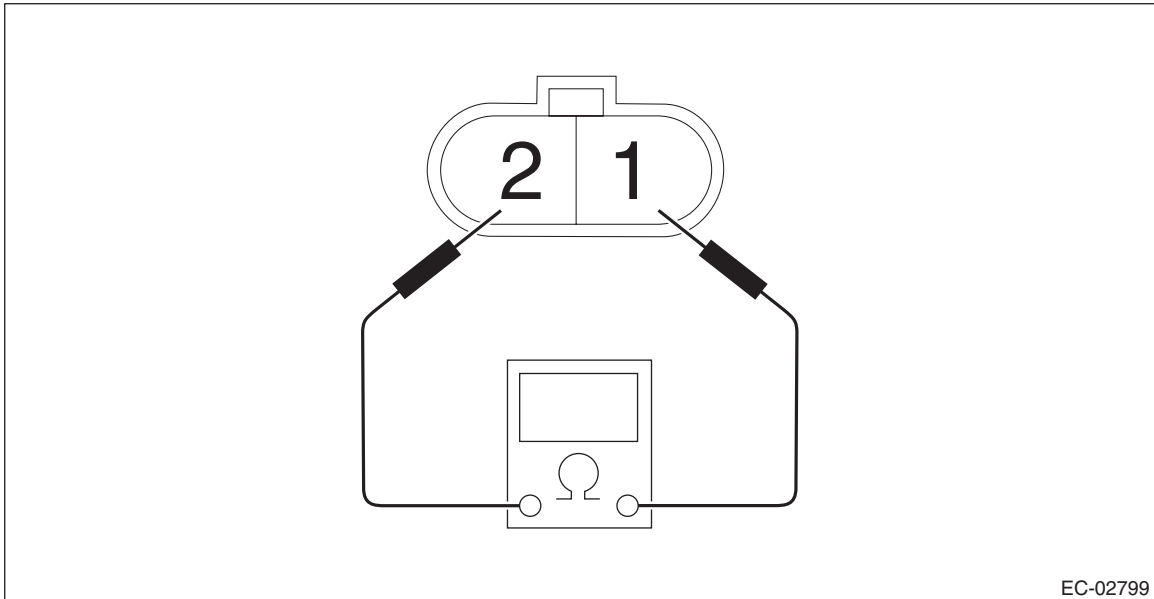
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C: INSPECTION

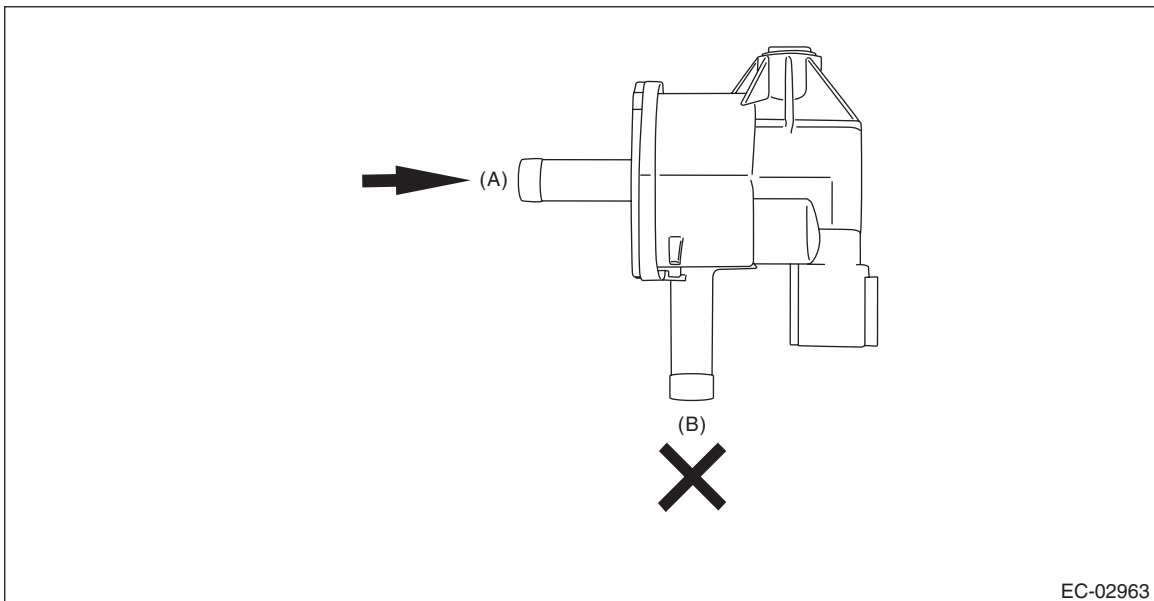
1. PURGE CONTROL SOLENOID VALVE

- 1) Check that the purge control solenoid valve has no deformation, cracks or other damages.
- 2) Measure the resistance between the purge control solenoid valve terminals.



Terminal No.	Standard
1 and 2	$24.5 \pm 1.5 \Omega$ (when 20°C (68°F))

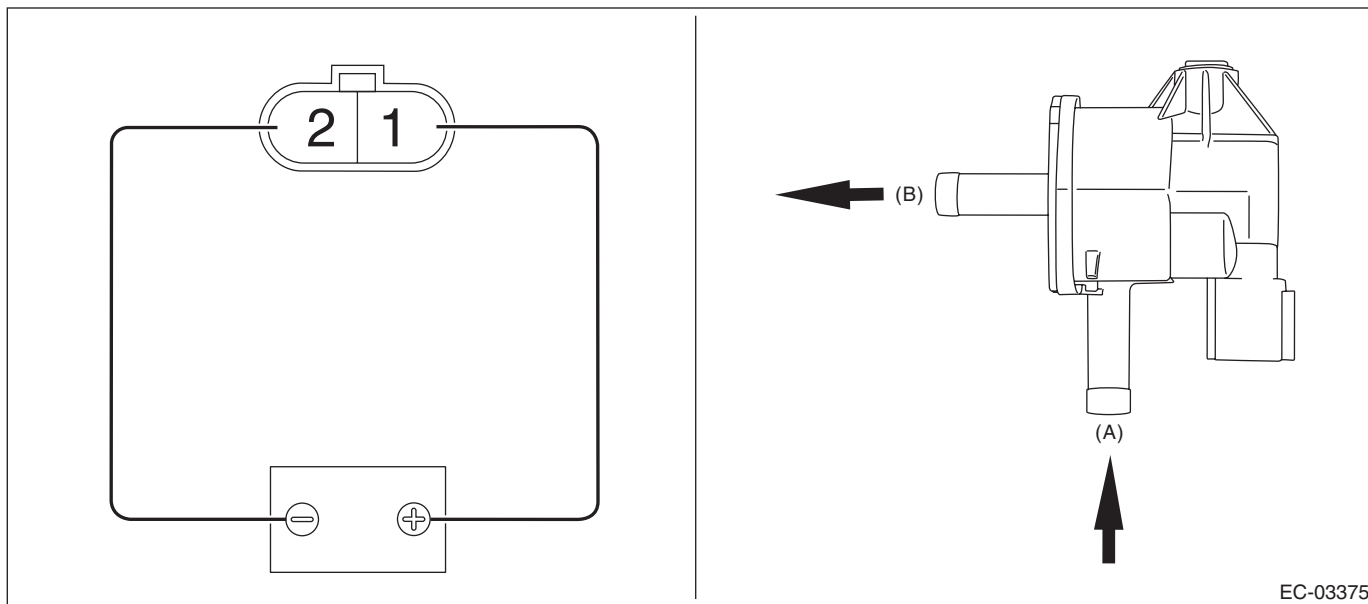
- 3) Check that air does not come out from (B) when air is blown into (A).



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4) Connect the battery positive terminal to the terminal No. 1 and the battery negative terminal to the terminal No. 2. Check that air is discharged from (B), when supplying air to (A).



2. OTHER INSPECTIONS

Check the vacuum hose for cracks, damage or looseness.