

Purge Control Solenoid Valve

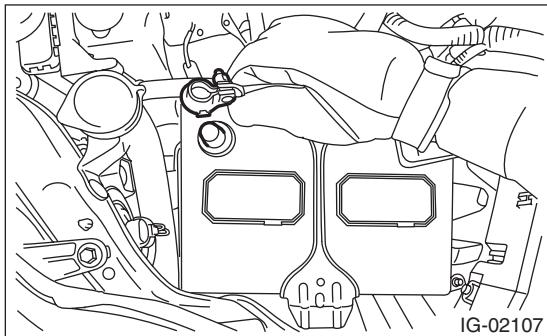
EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

5. Purge Control Solenoid Valve

A: REMOVAL

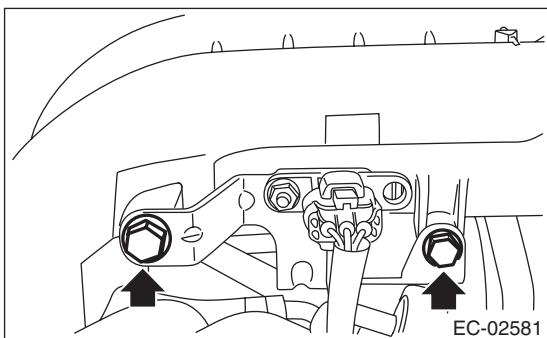
1. PURGE CONTROL SOLENOID VALVE 1

- 1) Remove the collector cover.
- 2) Disconnect the ground cable from battery.

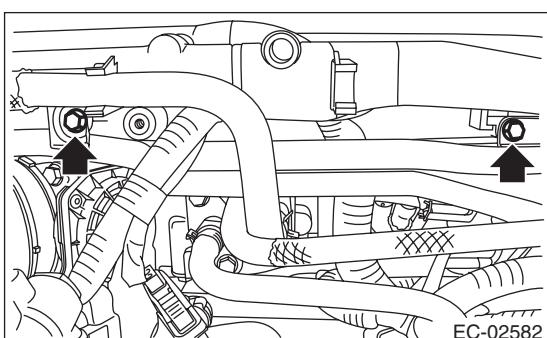


3) Remove the intercooler. <Ref. to IN(H4DOTC)-17, REMOVAL, Intercooler.>

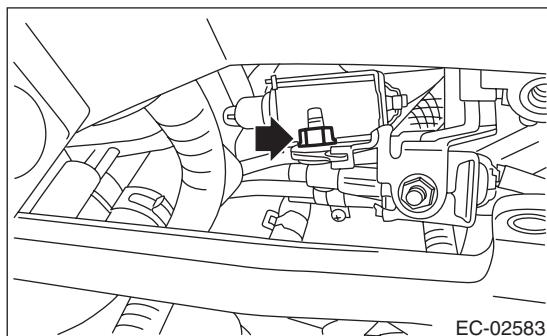
4) Remove the bolt securing the solenoid valve bracket assembly from intake manifold.



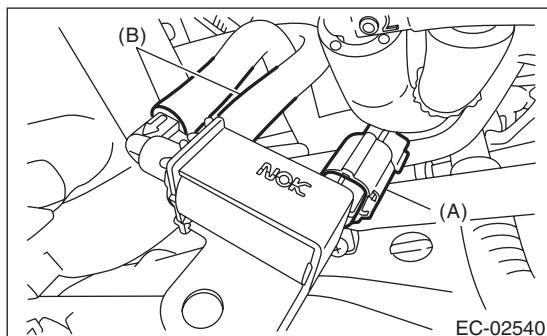
5) Remove the bolts securing the PCV pipe and engine harness from intake manifold.



- 6) Remove the nut securing the purge control solenoid valve 1 to the solenoid valve bracket assembly.

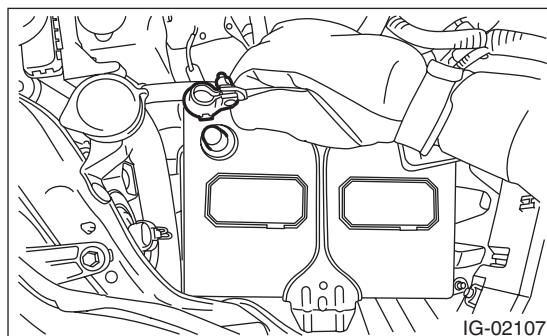


7) Disconnect the connector (A) and vacuum hose (B) from the purge control solenoid valve 1, and remove the purge control solenoid valve 1.



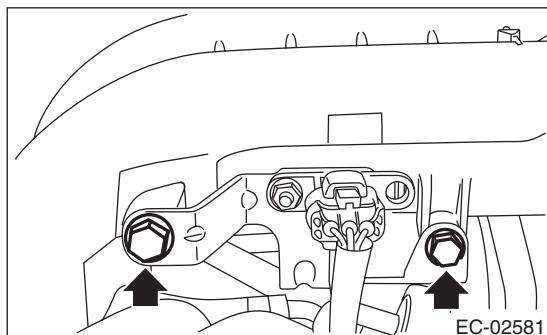
2. PURGE CONTROL SOLENOID VALVE 2

- 1) Remove the collector cover.
- 2) Disconnect the ground cable from battery.



3) Remove the intercooler. <Ref. to IN(H4DOTC)-17, REMOVAL, Intercooler.>

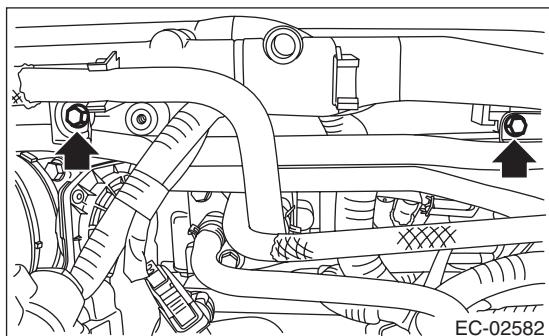
4) Remove the bolt securing the solenoid valve bracket assembly from intake manifold.



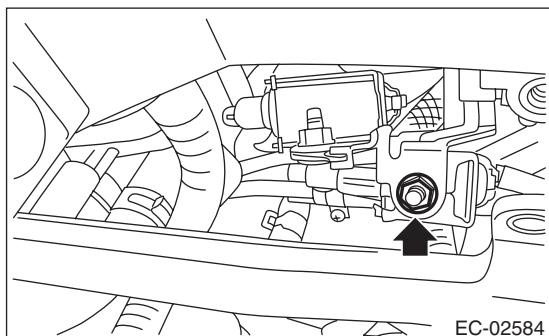
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EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

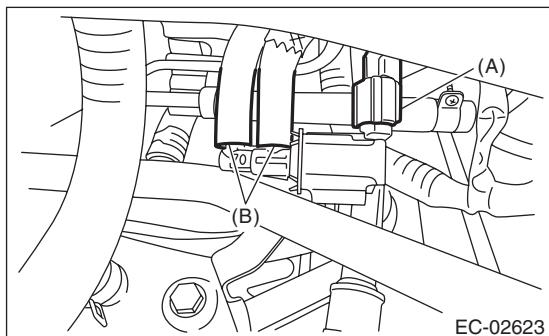
5) Remove the bolts securing the PCV pipe and engine harness from intake manifold.



6) Remove the nut securing the purge control solenoid valve 2 to the solenoid valve bracket assembly.



7) Disconnect the connector (A) and vacuum hose (B) from the purge control solenoid valve 2, and remove the purge control solenoid valve 2.



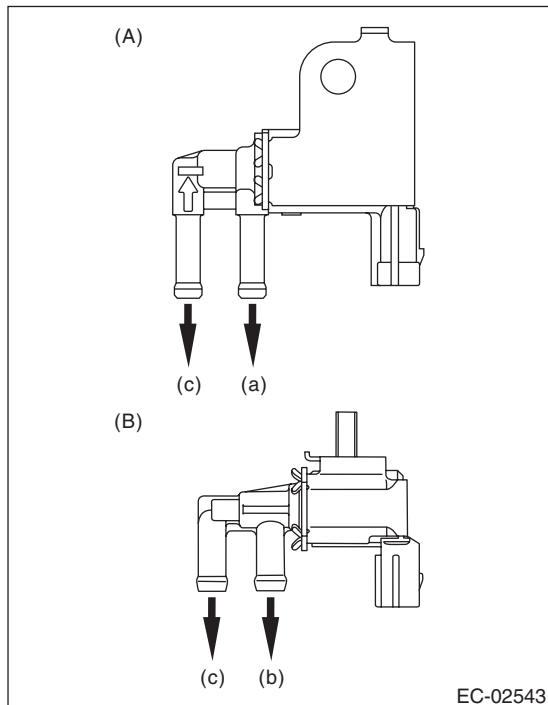
B: INSTALLATION

1. PURGE CONTROL SOLENOID VALVE 1

Install in the reverse order of removal.

NOTE:

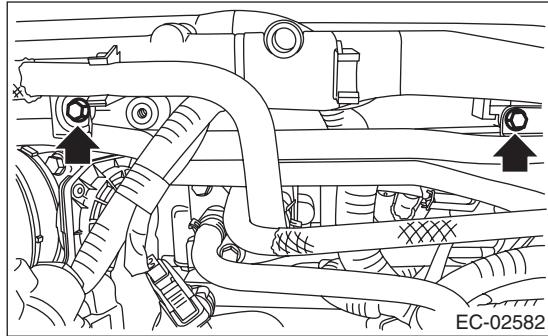
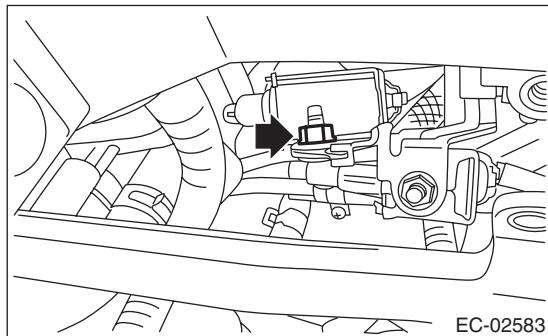
Connect the vacuum hose as shown in the figure.



- (A) Purge control solenoid valve 1
- (B) Purge control solenoid valve 2
- (a) To intake manifold
- (b) To intake duct
- (c) To fuel pipe

Tightening torque:

6.4 N·m (0.7 kgf·m, 4.7 ft-lb)

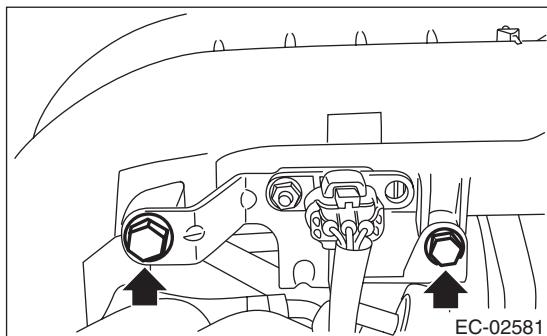


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EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

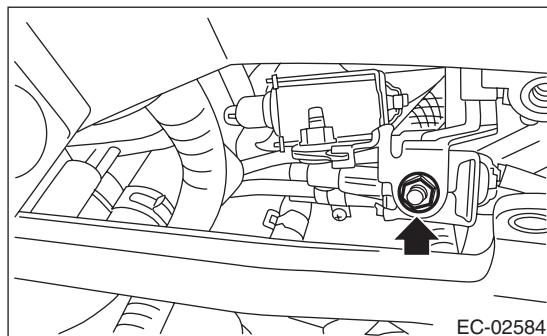
Tightening torque:

19 N·m (1.9 kgf-m, 14.0 ft-lb)



Tightening torque:

6.4 N·m (0.7 kgf-m, 4.7 ft-lb)

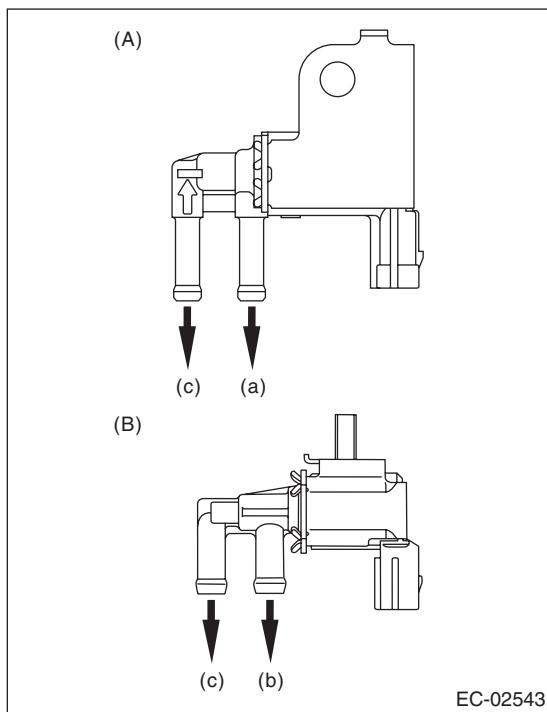


2. PURGE CONTROL SOLENOID VALVE 2

Install in the reverse order of removal.

NOTE:

Connect the vacuum hose as shown in the figure.



(A) Purge control solenoid valve 1

(B) Purge control solenoid valve 2

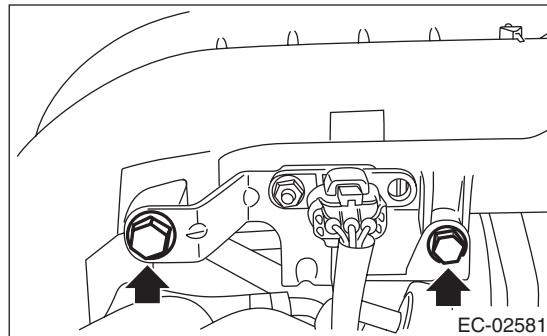
(a) To intake manifold

(b) To intake duct

(c) To fuel pipe

Tightening torque:

19 N·m (1.9 kgf-m, 14.0 ft-lb)



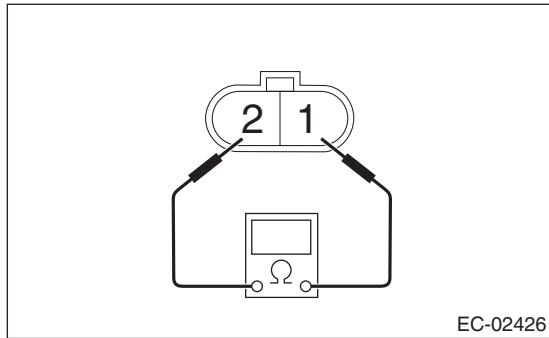
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EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

C: INSPECTION

1. PURGE CONTROL SOLENOID VALVE

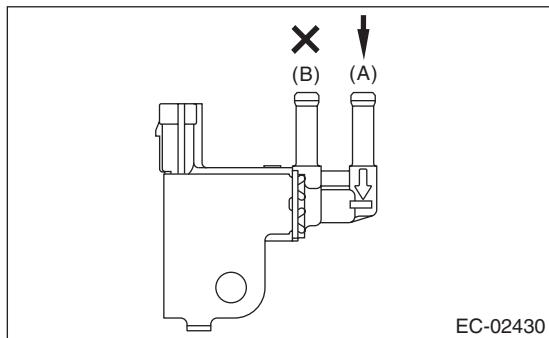
- 1) Check that the purge control solenoid valve has no deformation, cracks or other damages.
- 2) Measure the resistance between the purge control solenoid valve terminals.



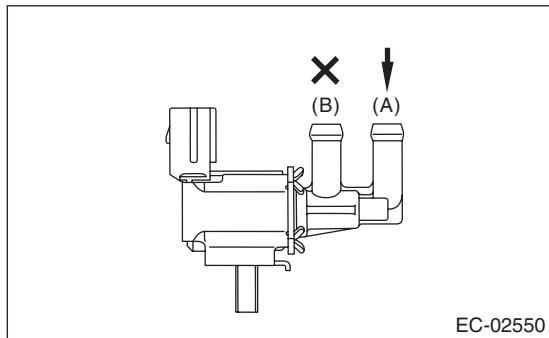
	Terminal No.	Standard
Purge control solenoid valve 1	1 and 2	$32 \pm 2 \Omega$ (when 20°C (68°F))
Purge control solenoid valve 2		$24 \pm 3 \Omega$ (when 20°C (68°F))

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

- Purge control solenoid valve 1

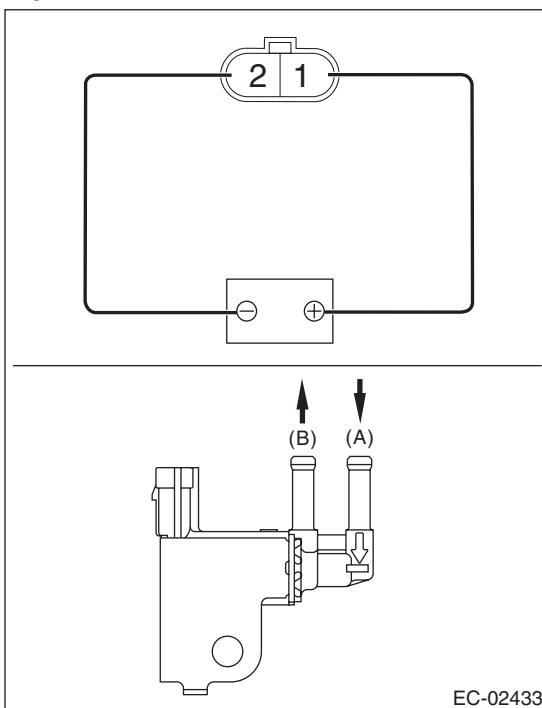


- Purge control solenoid valve 2

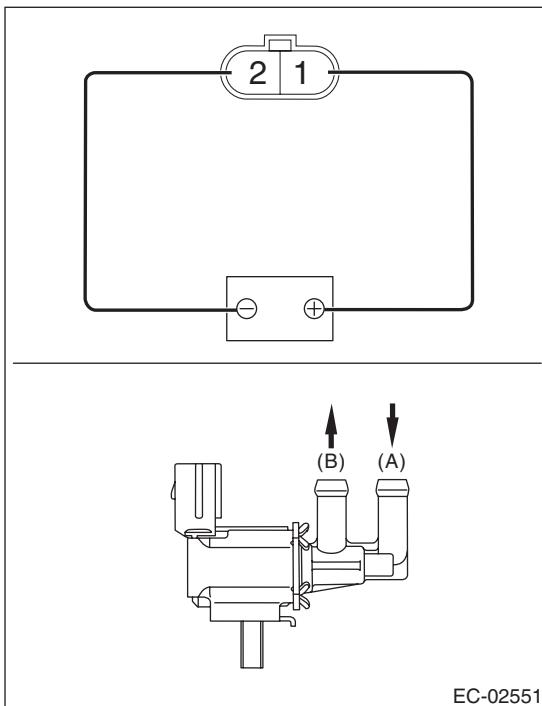


- 4) With terminal No. 1 connected to the battery positive terminal and terminal No. 2 to the battery ground terminal, check that air comes out from (B) when air is blown into (A).

- Purge control solenoid valve 1



- Purge control solenoid valve 2



2. OTHER INSPECTIONS

Check the vacuum hose for cracks, damage or looseness.