

Purge Control Solenoid Valve

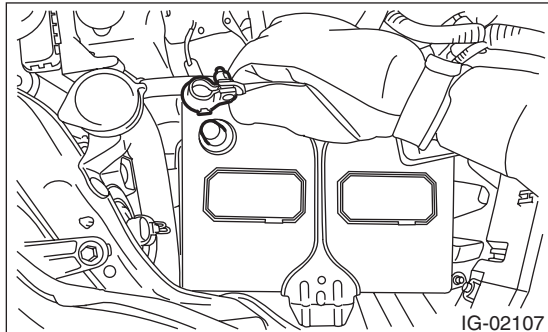
EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

5. Purge Control Solenoid Valve

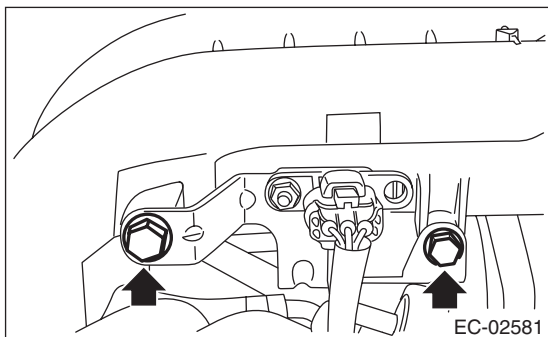
A: REMOVAL

1. PURGE CONTROL SOLENOID VALVE 1

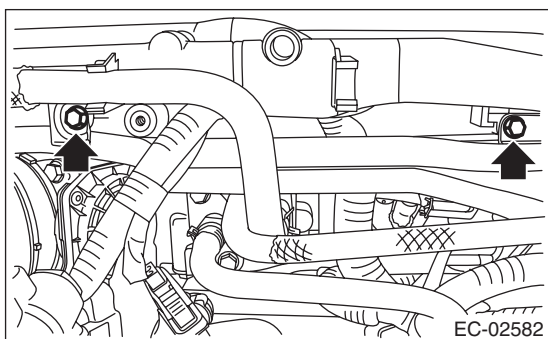
- 1) Remove the collector cover.
- 2) Disconnect the ground cable from battery.



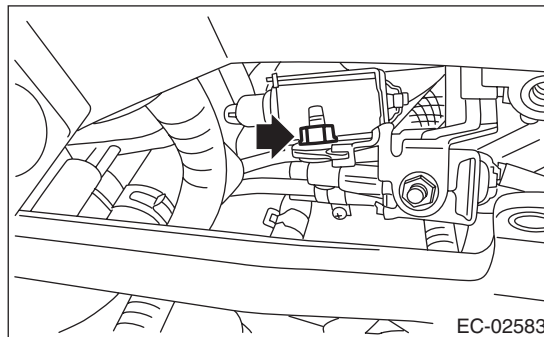
- 3) Remove the intercooler. <Ref. to IN(H4DOTC)-17, REMOVAL, Intercooler.>
- 4) Remove the bolt securing the solenoid valve bracket assembly from intake manifold.



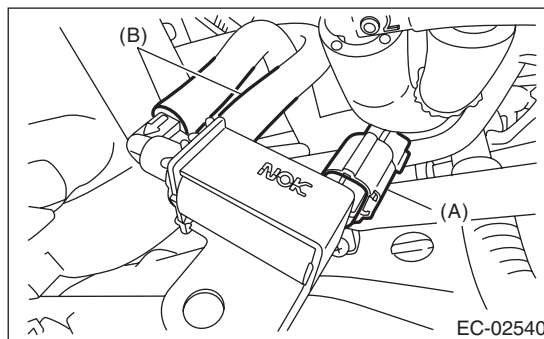
- 5) Remove the bolts securing the PCV pipe and engine harness from intake manifold.



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

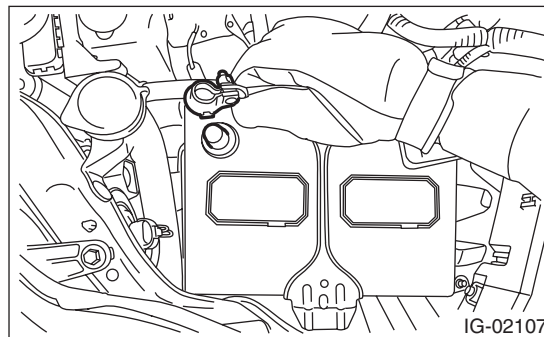


- 7) Disconnect the connector (A) and vacuum hose (B) from the purge control solenoid valve 1, and remove the purge control solenoid valve 1.

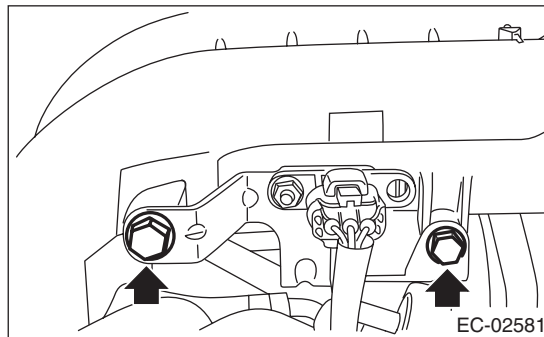


2. PURGE CONTROL SOLENOID VALVE 2

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



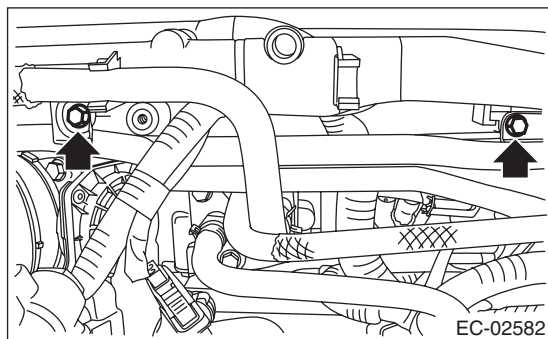
- 3) Remove the intercooler. <Ref. to IN(H4DOTC)-17, REMOVAL, Intercooler.>
- 4) Remove the bolt securing the solenoid valve bracket assembly from intake manifold.



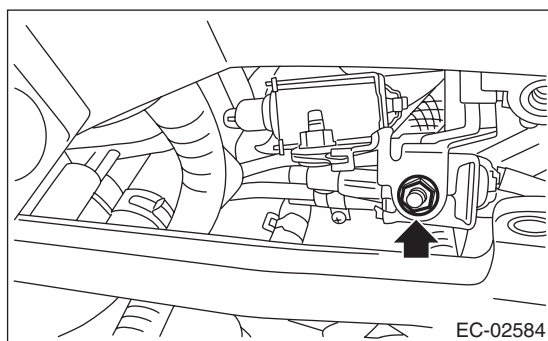
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EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

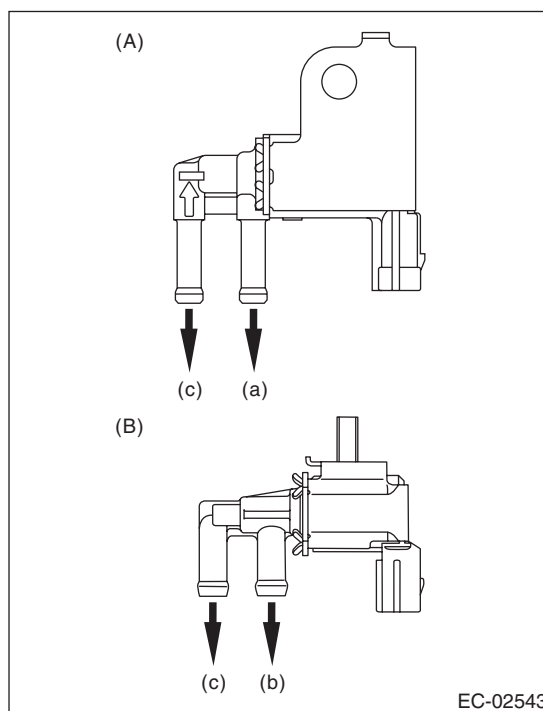
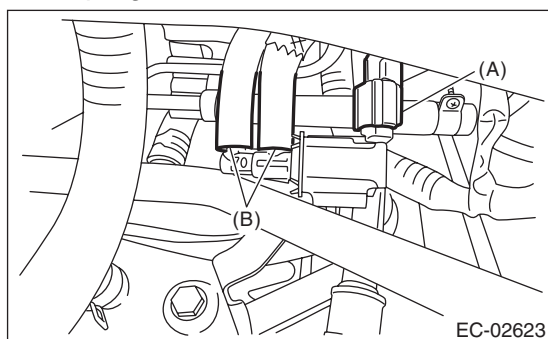
5) Remove the bolts securing the PCV pipe and engine harness from intake manifold.



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

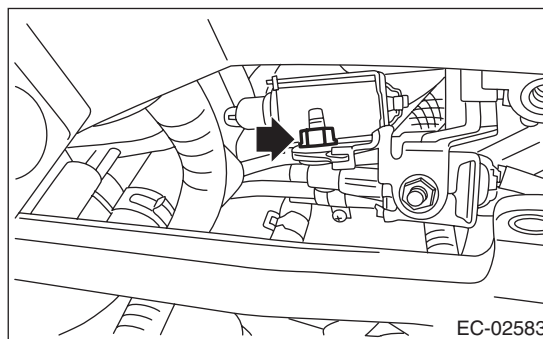


7) Disconnect the connector (A) and vacuum hose (B) from the purge control solenoid valve 2, and remove the purge control solenoid valve 2.



- (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)



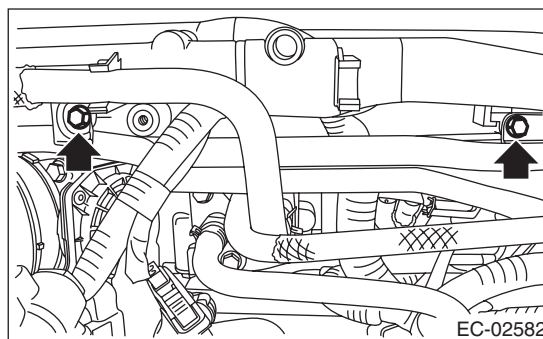
B: INSTALLATION

1. PURGE CONTROL SOLENOID VALVE 1

Install in the reverse order of removal.

NOTE:

Connect the vacuum hose as shown in the figure.

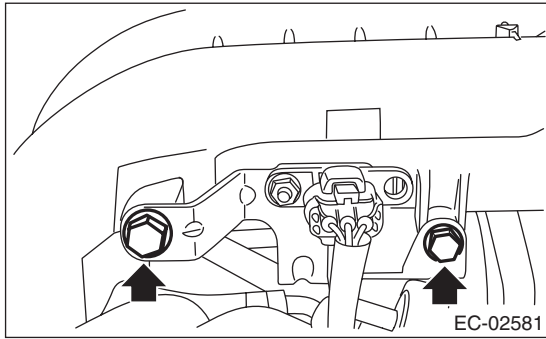


Purge Control Solenoid Valve

EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

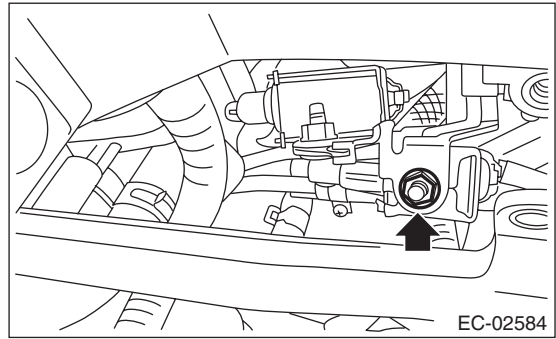
Tightening torque:

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)

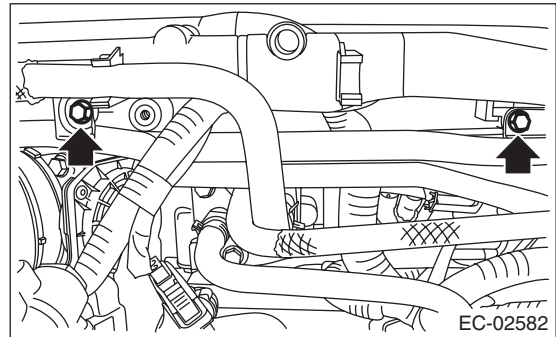
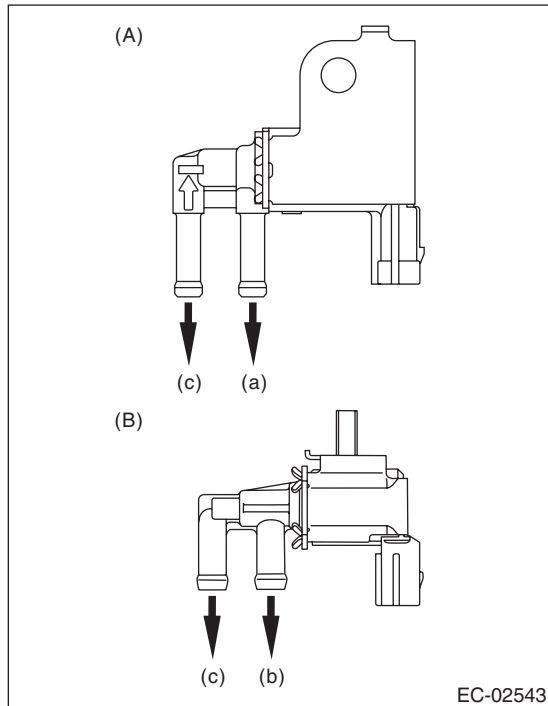


2. PURGE CONTROL SOLENOID VALVE 2

Install in the reverse order of removal.

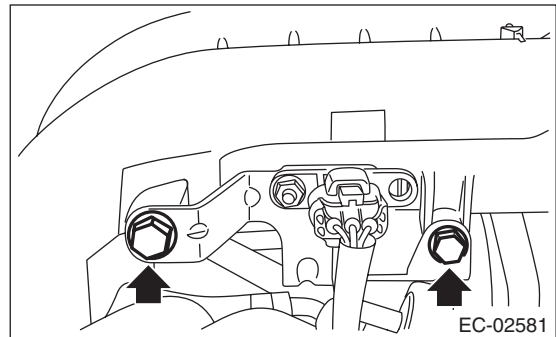
NOTE:

Connect the vacuum hose as shown in the figure.



Tightening torque:

19 N·m (1.9 kgf-m, 14.0 ft-lb)



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

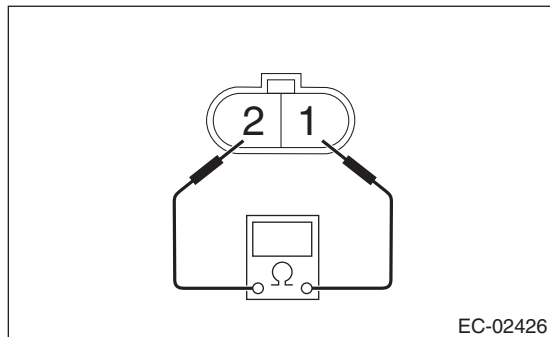
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C: INSPECTION

1. PURGE CONTROL SOLENOID VALVE

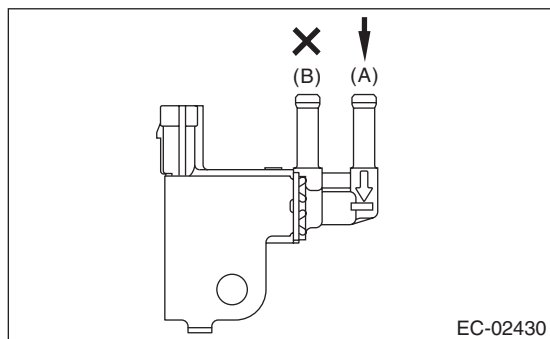
- 1) Check that the purge control solenoid valve has no deformation, cracks or other damages.
- 2) Measure the resistance between the purge control solenoid valve terminals.



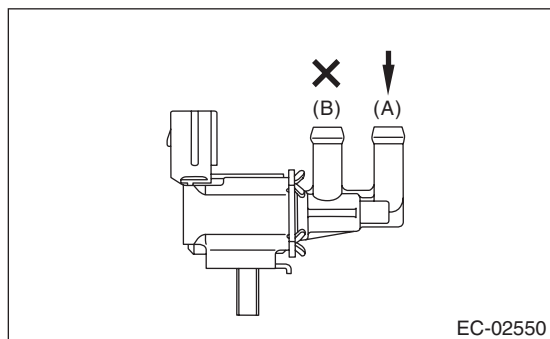
	Terminal No.	Standard
Purge control solenoid valve 1	1 and 2	$32 \pm 2 \Omega$ (when 20°C (68°F))
Purge control solenoid valve 2		$24 \pm 3 \Omega$ (when 20°C (68°F))

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

- Purge control solenoid valve 1

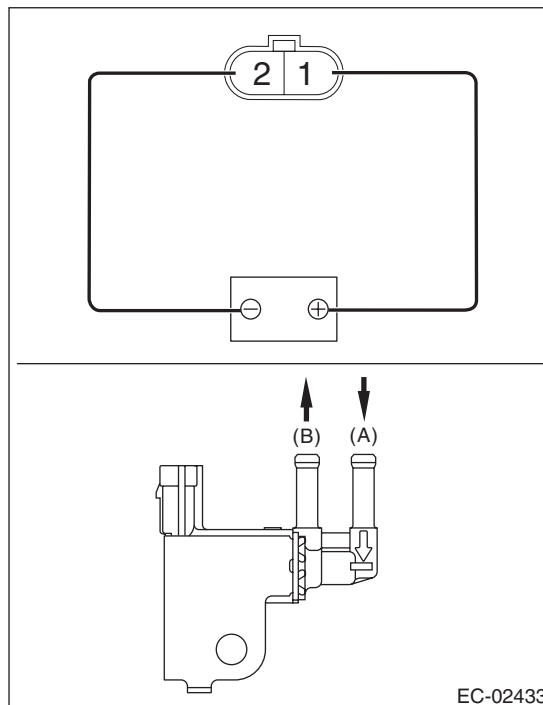


- Purge control solenoid valve 2

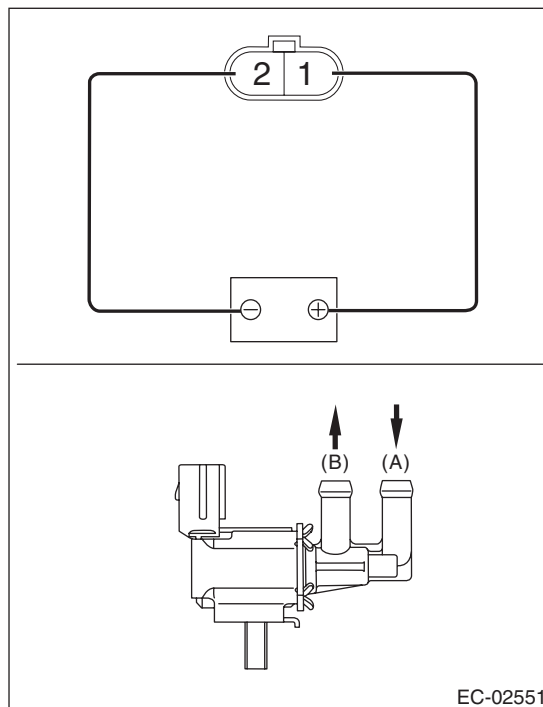


- 4) With terminal No. 1 connected to the battery positive terminal and terminal No. 2 to the battery ground terminal, check that air comes out from (B) when air is blown into (A).

- Purge control solenoid valve 1



- Purge control solenoid valve 2



2. OTHER INSPECTIONS

Check the vacuum hose for cracks, damage or looseness.