

Secondary Air Combination Valve

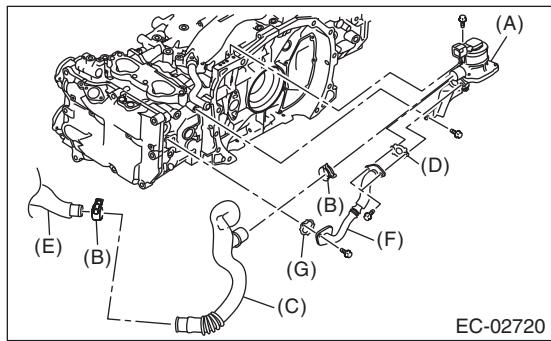
EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

13. Secondary Air Combination Valve

A: REMOVAL

1. SECONDARY AIR COMBINATION VALVE LH

- 1) Disconnect the ground cable from battery.
- 2) Remove the intercooler. <Ref. to IN(STI)-13, REMOVAL, Intercooler.>
- 3) Disconnect the connector from the secondary air combination valve LH.
- 4) Disconnect the air duct A.
- 5) Remove the secondary air pipe LH.
- 6) Remove the secondary air combination valve LH.

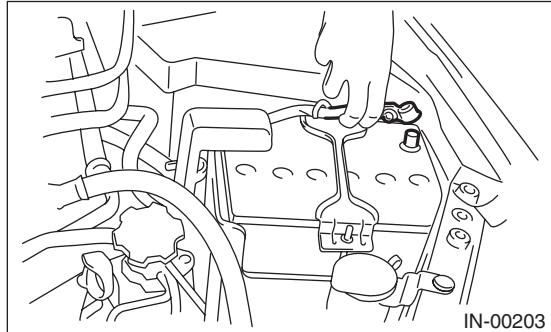


EC-02720

- (A) Secondary air combination valve LH
- (B) Clip
- (C) Air duct A
- (D) Gasket
- (E) Air duct B
- (F) Secondary air pipe LH
- (G) Gasket

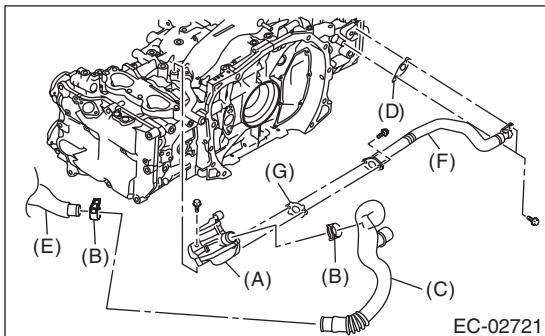
2. SECONDARY AIR COMBINATION VALVE RH

- 1) Disconnect the ground cable from battery.



- 2) Remove the intercooler. <Ref. to IN(STI)-13, REMOVAL, Intercooler.>
- 3) Remove the intake manifold. <Ref. to FU(STI)-17, REMOVAL, Intake Manifold.>
- 4) Disconnect the air duct A.
- 5) Disconnect the secondary air pipe RH.

- 6) Remove the secondary air combination valve RH.



EC-02721

- (A) Secondary air combination valve RH
- (B) Clip
- (C) Air duct A
- (D) Gasket
- (E) Air duct B
- (F) Secondary air pipe RH
- (G) Gasket

B: INSTALLATION

1. SECONDARY AIR COMBINATION VALVE LH

Install in the reverse order of removal.

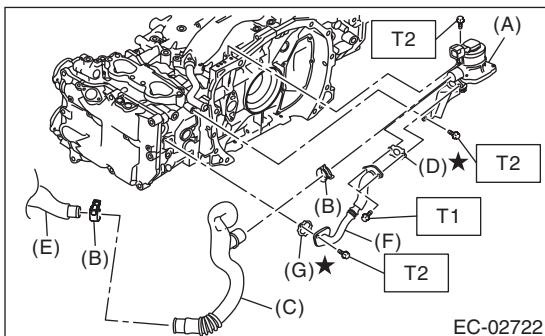
NOTE:

Use a new gasket.

Tightening torque:

T1: 9 N·m (0.9 kgf-m, 6.6 ft-lb)

T2: 19 N·m (1.9 kgf-m, 14.0 ft-lb)



EC-02722

- (A) Secondary air combination valve LH
- (B) Clip
- (C) Air duct A
- (D) Gasket
- (E) Air duct B
- (F) Secondary air pipe LH
- (G) Gasket

Secondary Air Combination Valve

EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

2. SECONDARY AIR COMBINATION VALVE RH

Install in the reverse order of removal.

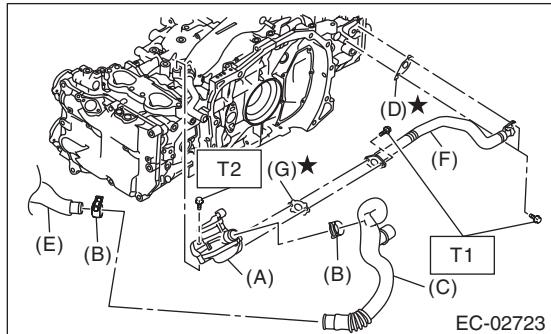
NOTE:

Use a new gasket.

Tightening torque:

T1: 9 N·m (0.9 kgf-m, 6.6 ft-lb)

T2: 19 N·m (1.9 kgf-m, 14.0 ft-lb)

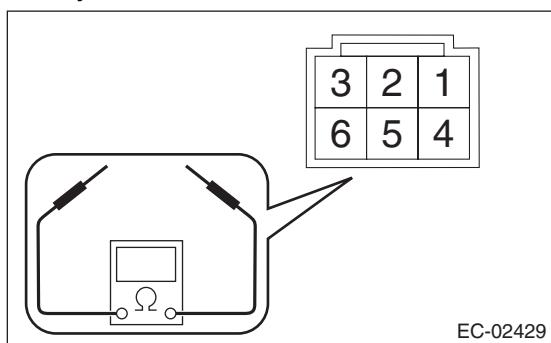


- (A) Secondary air combination valve RH
- (B) Clip
- (C) Air duct A
- (D) Gasket
- (E) Air duct B
- (F) Secondary air pipe RH
- (G) Gasket

C: INSPECTION

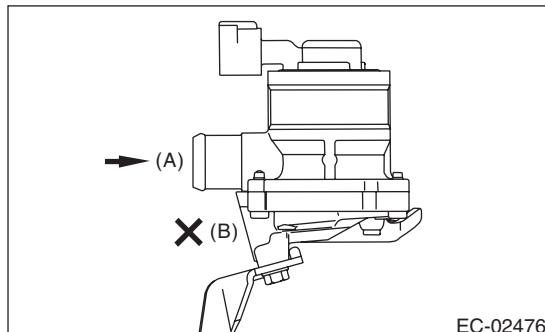
1. SECONDARY AIR COMBINATION VALVE LH

- 1) Check that the secondary air combination valve LH has no deformation, cracks or other damages.
- 2) Check the resistance between the terminals of secondary air combination valve LH.



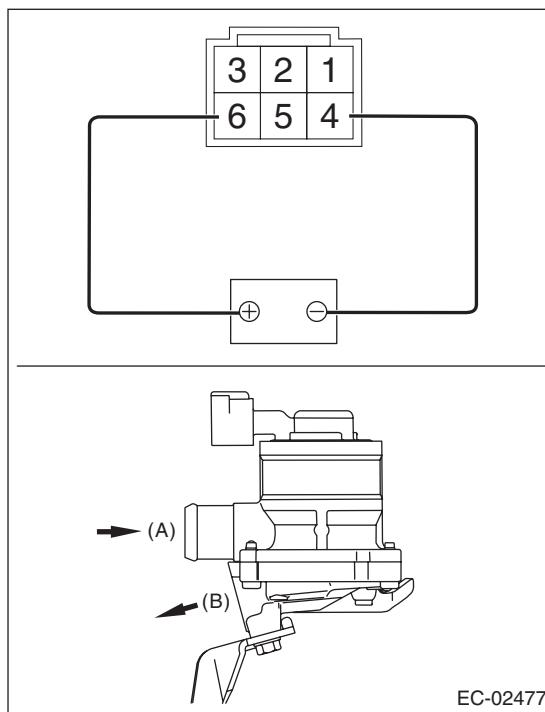
Terminal No.	Standard
4 and 6	$5.0 \pm 0.5 \Omega$ (when 20°C (68°F))
2 and 3	15 kΩ or less
1 and 2	4.5 kΩ or less

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



EC-02476

- 4) Connect the battery positive terminal to the terminal No. 6 and the battery negative terminal to the terminal No. 4. Check that air is discharged from (B), when supplying air to (A).



EC-02477

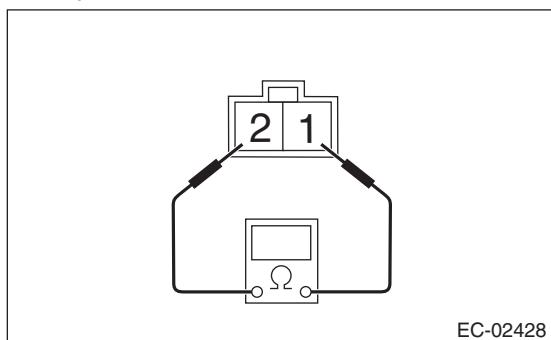
2. SECONDARY AIR COMBINATION VALVE RH

- 1) Check that the secondary air combination valve RH has no deformation, cracks or other damages.

Secondary Air Combination Valve

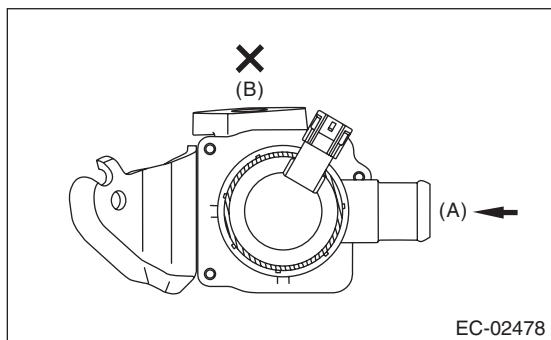
EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

2) Check the resistance between the terminals of secondary air combination valve RH.



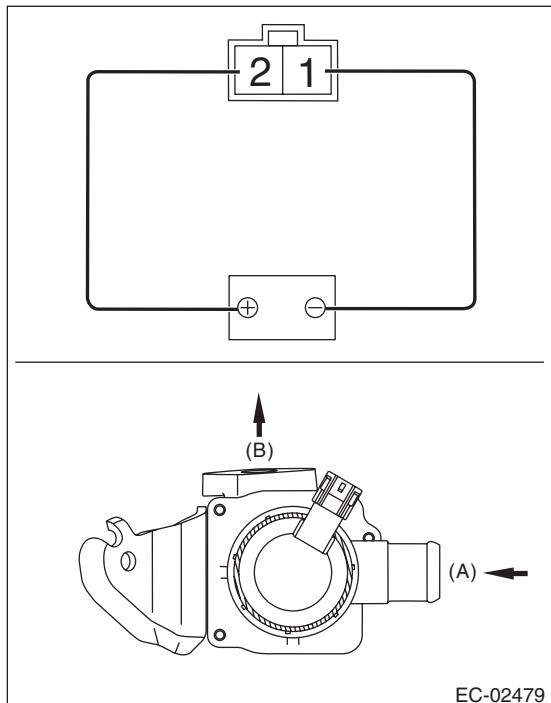
Terminal No.	Standard
1 and 2	$5.0 \pm 0.5 \Omega$ (when 20°C (68°F))

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



EC-02478

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



3. OTHER INSPECTIONS

- 1) Check that the secondary air pipe has no deformation, cracks or other damages.
- 2) Check that the air duct has no cracks, damage or loose part.

INTAKE (INDUCTION)

IN(STI)

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