

Secondary Air Combination Valve

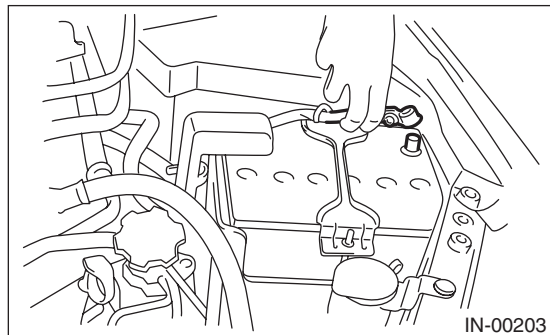
EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

16. Secondary Air Combination Valve

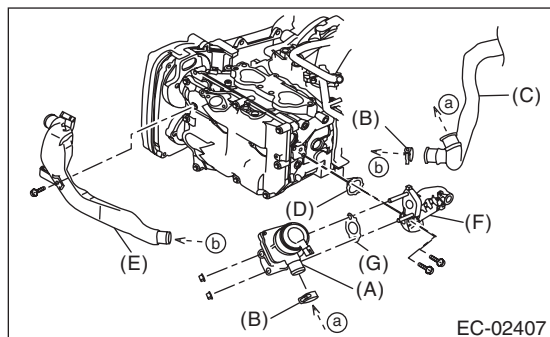
A: REMOVAL

1. SECONDARY AIR COMBINATION VALVE LH

- 1) Disconnect the ground cable from battery.



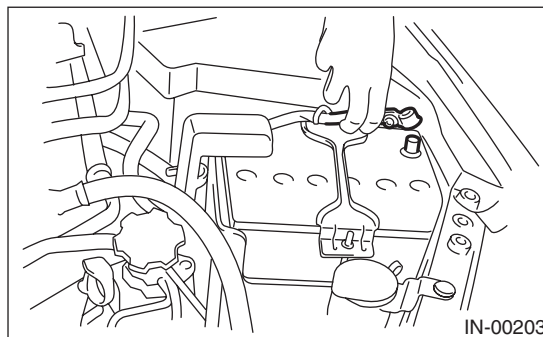
- 2) Remove the intercooler. <Ref. to IN(H4DOTC)-13, REMOVAL, Intercooler.>
- 3) Disconnect the connector from the secondary air combination valve LH.
- 4) Disconnect the air duct A.
- 5) Remove the secondary air pipe LH.
- 6) Remove the secondary air combination valve LH.



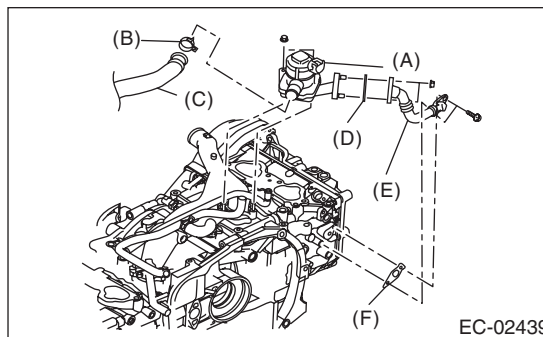
- (A) Secondary air combination valve LH
- (B) Clip
- (C) Air duct A
- (D) Gasket
- (E) Air duct B
- (F) Secondary air pipe LH
- (G) Gasket

2. SECONDARY AIR COMBINATION VALVE RH

- 1) Disconnect the ground cable from battery.



- 2) Remove the intercooler. <Ref. to IN(H4DOTC)-13, REMOVAL, Intercooler.>
- 3) Remove the intake manifold. <Ref. to FU(H4DOTC)-16, REMOVAL, Intake Manifold.>
- 4) Disconnect the air duct A.
- 5) Disconnect the secondary air pipe RH.
- 6) Remove the secondary air combination valve RH.



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

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B: INSTALLATION

1. SECONDARY AIR COMBINATION VALVE LH

Install in the reverse order of removal.

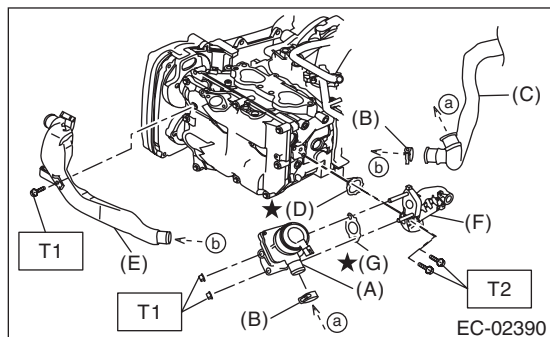
NOTE:

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)



- (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

Install in the reverse order of removal.

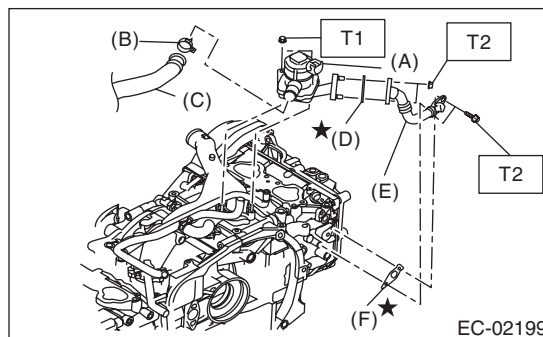
NOTE:

Use a new gasket.

Tightening torque:

T1: 6.4 N·m (0.7 kgf-m, 4.7 ft-lb)

T2: 9 N·m (0.9 kgf-m, 6.6 ft-lb)

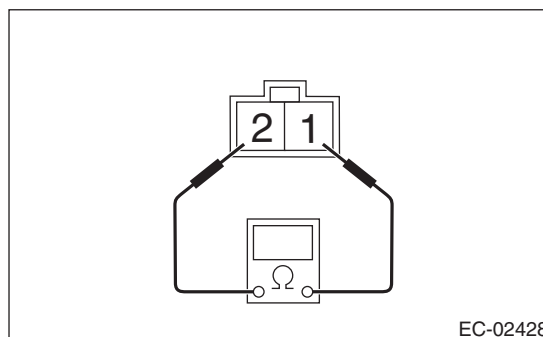


- (A) Secondary air combination valve RH
- (B) Clip
- (C) Air duct A
- (D) Gasket
- (E) Secondary air pipe RH
- (F) Gasket

C: INSPECTION

1. SECONDARY AIR COMBINATION VALVE LH

1) Measure the resistance between the terminals of secondary air combination valve LH.

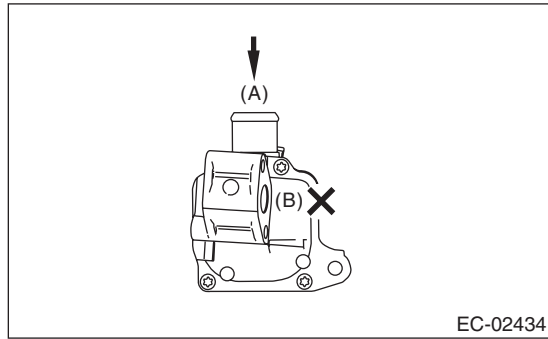


Terminal No.	Standard
1 and 2	5.0±0.5 Ω (20°C (68°F))

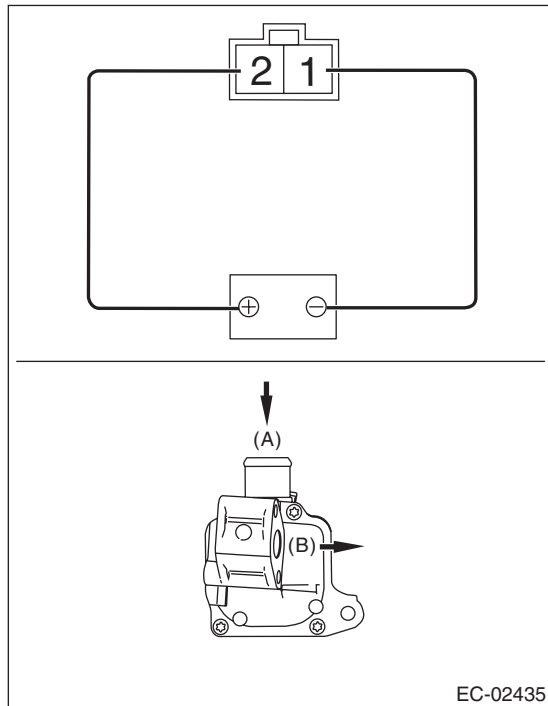
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2) Check that air does not come out of (B) when blowing in (A).

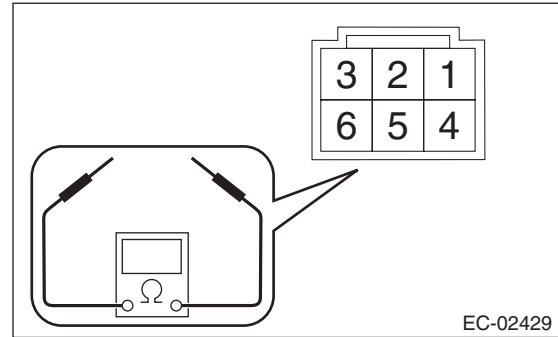


3) Connect the terminal No. 2 to the battery positive terminal and the terminal No. 1 to the battery negative terminal. When supplying air to (A), check that air is discharged from (B).



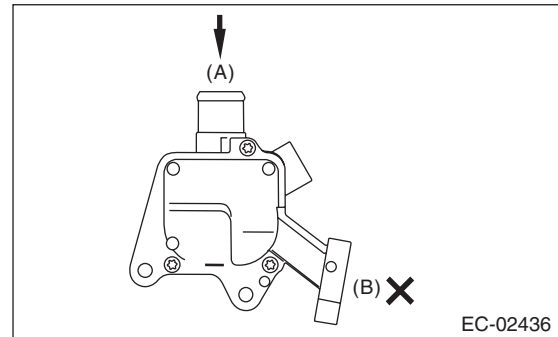
2. SECONDARY AIR COMBINATION VALVE RH

1) Measure the resistance between the terminals of secondary air combination valve RH.



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

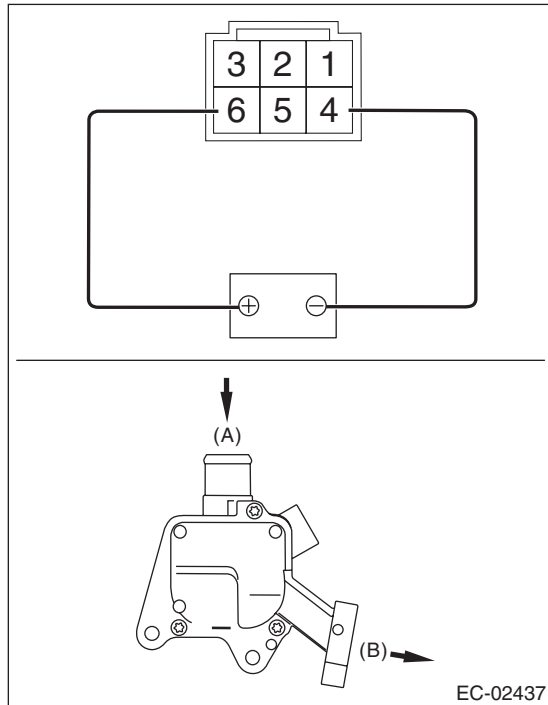
2) Check that air does not come out of (B) when blowing in (A).



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3) Connect the terminal No. 6 to the battery positive terminal and the terminal No. 4 to the battery negative terminal. When supplying air to (A), check that air is discharged from (B).



3. OTHER INSPECTIONS

Check the air duct and pipe for looseness.

INTAKE (INDUCTION)

IN(H4DOTC)

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