

Air Cleaner Case

INTAKE (INDUCTION)

3. Air Cleaner Case

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.

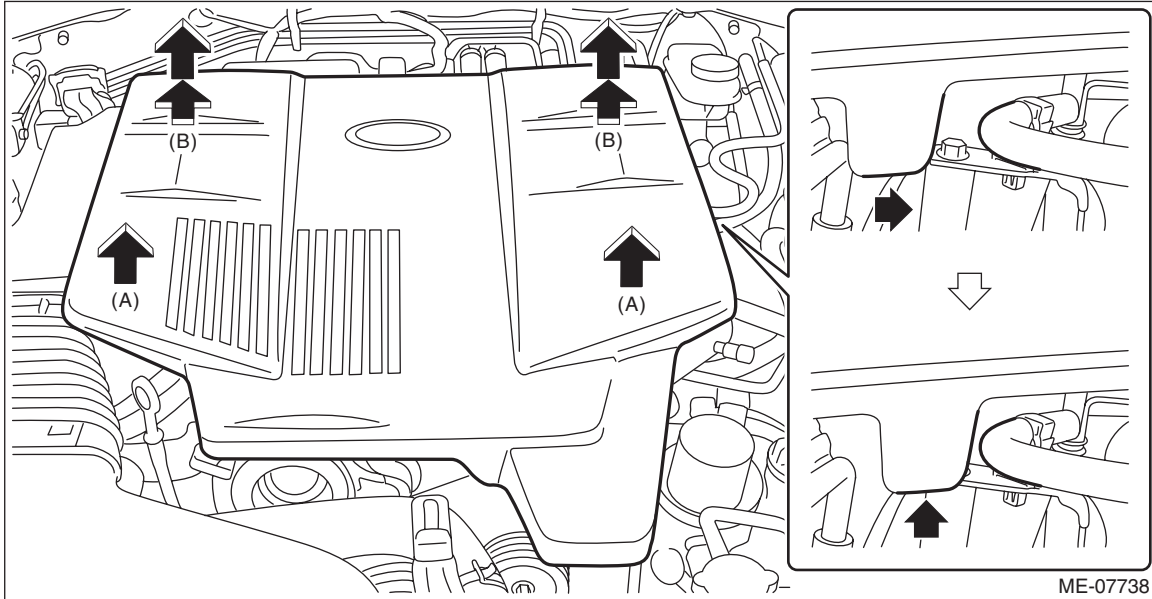
2) Remove the collector cover.

(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.

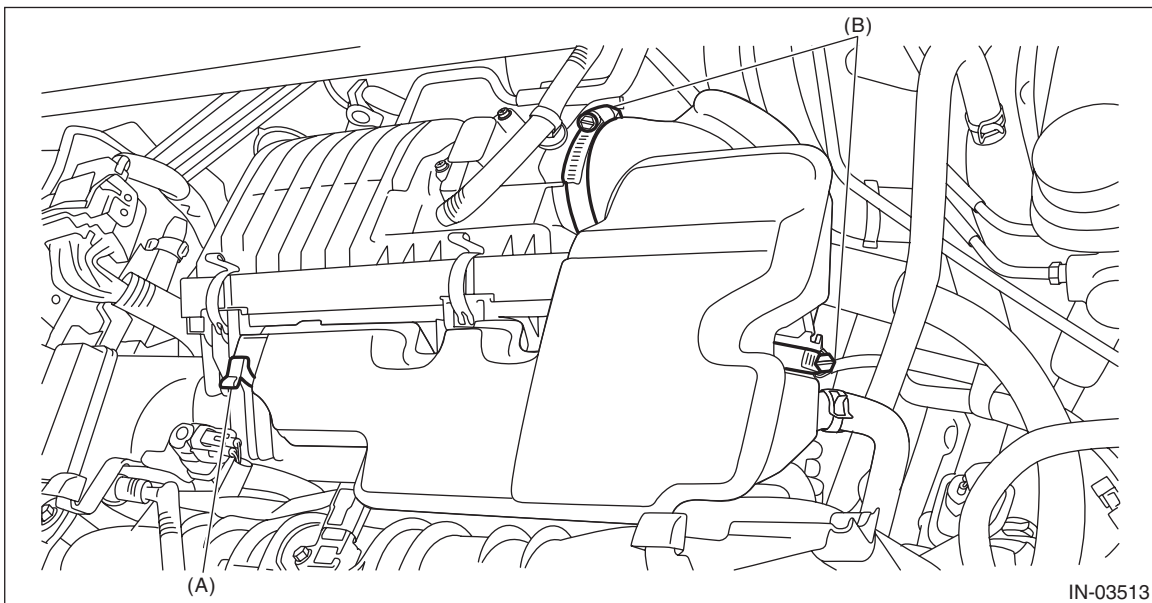
NOTE:

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

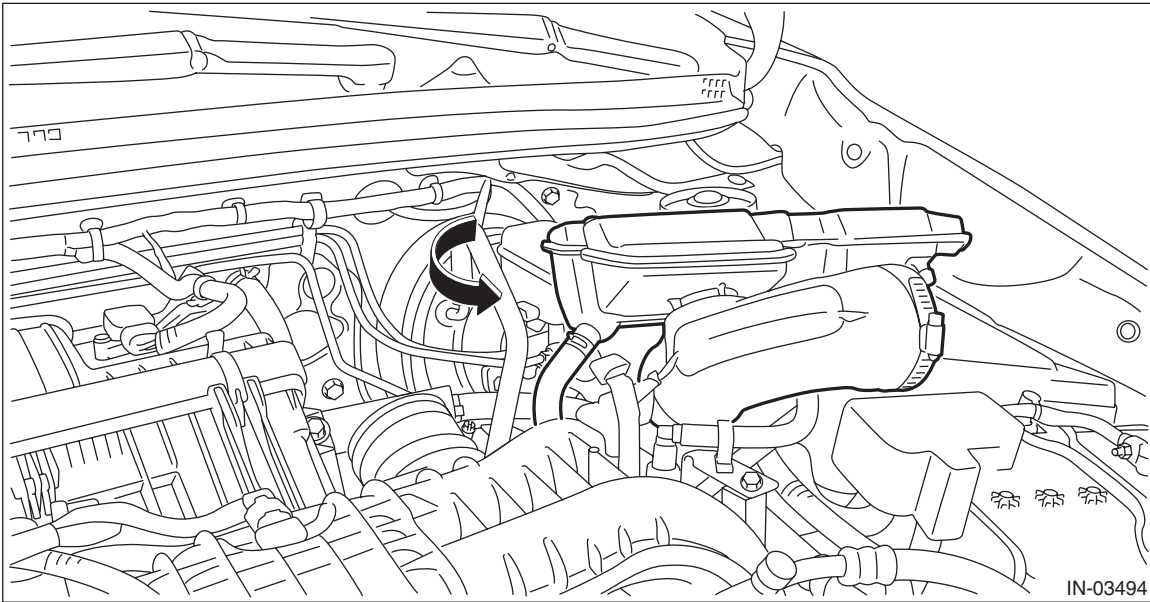


3) Remove the intake duct. <Ref. to IN(H4DO(HEV))-16, REMOVAL, Intake Duct.>

4) Remove the clip (A) which secures the resonator chamber to the air cleaner case (rear), and then loosen the clamp (B) which secures the resonator chamber to the air cleaner case (rear) and the air intake boot No. 2.



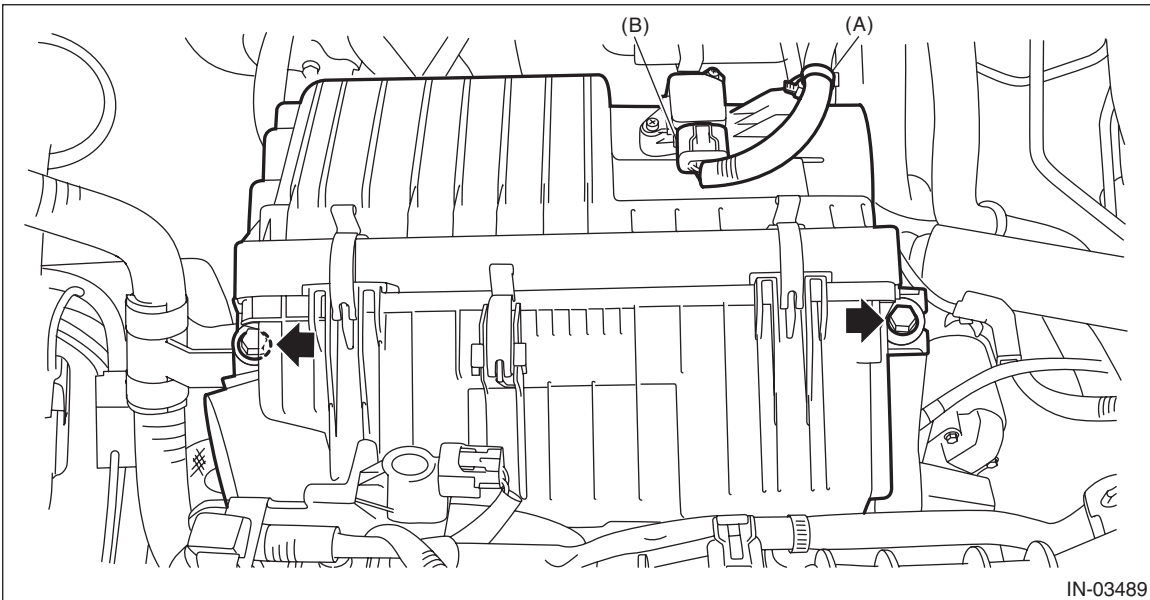
5) Remove the resonator chamber from the air cleaner case (rear) and the air intake boot No. 2, and move the resonator chamber to the left side wheel apron.



6) Remove the air intake boot No. 2. <Ref. to IN(H4DO(HEV))-11, AIR INTAKE BOOT NO. 2, REMOVAL, Air Intake Boot.>

7) Remove the clip (A) securing the bulk head wiring harness to the air cleaner case (rear), and disconnect the connector (B) from the mass air flow and intake air temperature sensor.

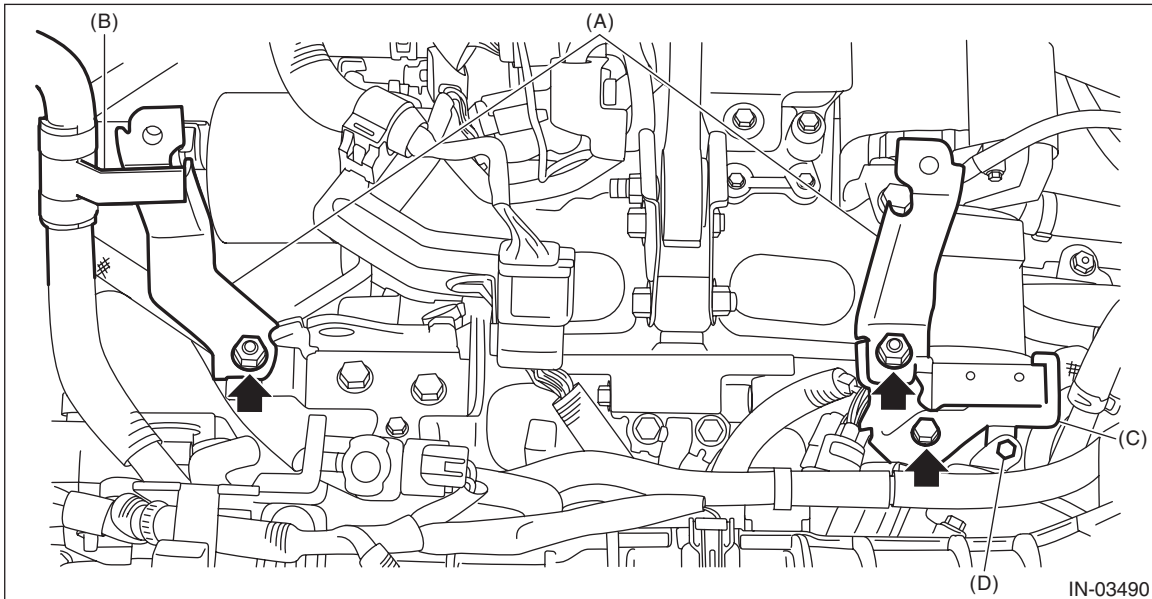
8) Remove the air cleaner case assembly from the air cleaner case bracket No. 1.



Air Cleaner Case

INTAKE (INDUCTION)

- 9) Remove the engine wiring harness (B) from the air cleaner case bracket No. 1 (A).
- 10) Remove the air cleaner case bracket No. 1 (A) from the engine rear hanger and the air cleaner case bracket No. 2 (C).
- 11) Remove the bolt (D) securing the brake vacuum pipe from the air cleaner case bracket No. 2 (C).
- 12) Remove the air cleaner case bracket No. 2 (C) from the cylinder block LH.



B: INSTALLATION

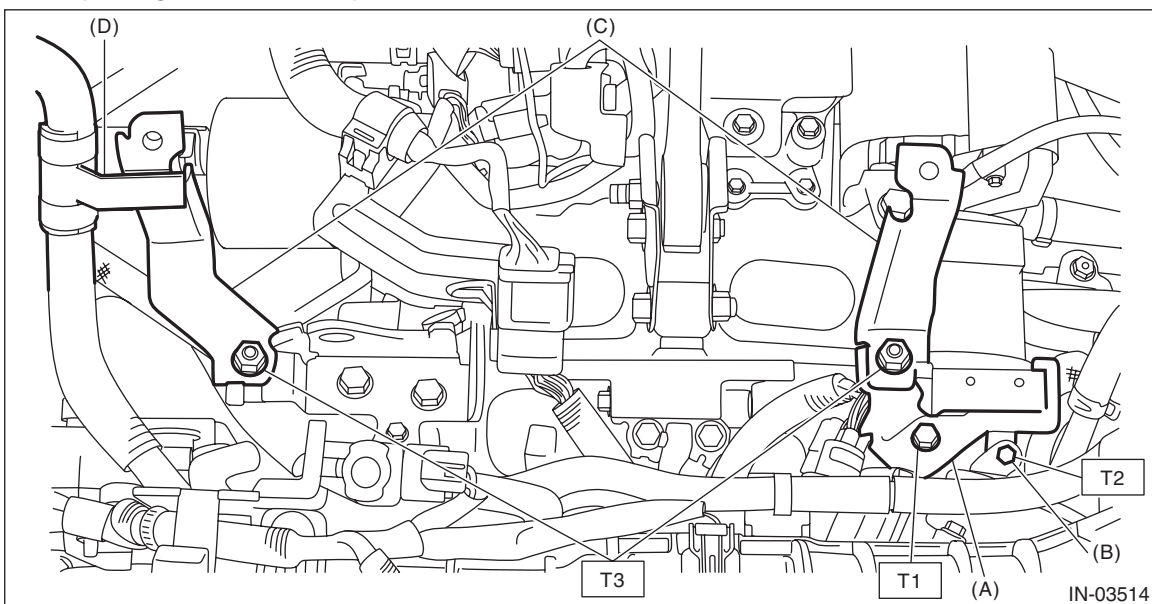
- 1) Install the air cleaner case bracket No. 2 (A) to the cylinder block LH, and install the bolt (B) which secures the brake vacuum pipe to the air cleaner case bracket No. 2 (A).
- 2) Install the air cleaner case bracket No. 1 (C) to the engine rear hanger and the air cleaner case bracket No. 2 (A).
- 3) Install the engine wiring harness (D) to the air cleaner case bracket No. 1 (C).

Tightening torque:

T1: 18 N·m (1.8 kgf-m, 13.3 ft-lb)

T2: 6.4 N·m (0.7 kgf-m, 4.7 ft-lb)

T3: 16 N·m (1.6 kgf-m, 11.8 ft-lb)

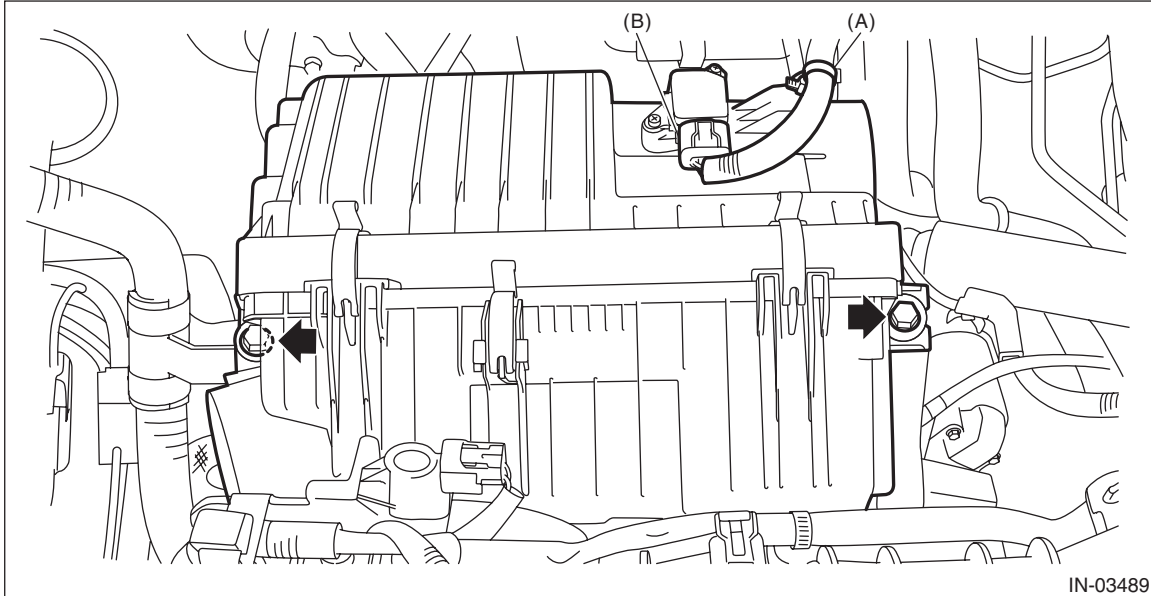


4) Install the air cleaner case assembly to the air cleaner case bracket No. 1.

Tightening torque:

16 N·m (1.6 kgf-m, 11.8 ft-lb)

5) Connect the connector (B) to the mass air flow and intake air temperature sensor, and secure the bulk head wiring harness to the air cleaner case (rear) with the clip (A).



6) Install the air intake boot No. 2. <Ref. to IN(H4DO(HEV))-14, AIR INTAKE BOOT NO. 2, INSTALLATION, Air Intake Boot.>

7) Install the intake duct. <Ref. to IN(H4DO(HEV))-17, INSTALLATION, Intake Duct.>

8) Install the collector cover.

9) Connect the battery ground terminal. <Ref. to NT-5, BATTERY, NOTE, Note.>

C: DISASSEMBLY

1) Remove the air cleaner element. <Ref. to IN(H4DO(HEV))-4, REMOVAL, Air Cleaner Element.>

2) Remove the mass air flow and intake air temperature sensor. <Ref. to FU(H4DO(HEV))-63, REMOVAL, Mass Air Flow and Intake Air Temperature Sensor.>

D: ASSEMBLY

1) Install the mass air flow and intake air temperature sensor. <Ref. to FU(H4DO(HEV))-63, INSTALLATION, Mass Air Flow and Intake Air Temperature Sensor.>

2) Install the air cleaner element. <Ref. to IN(H4DO(HEV))-5, INSTALLATION, Air Cleaner Element.>

E: INSPECTION

Check that the air cleaner case has no deformation, cracks or other damages.