

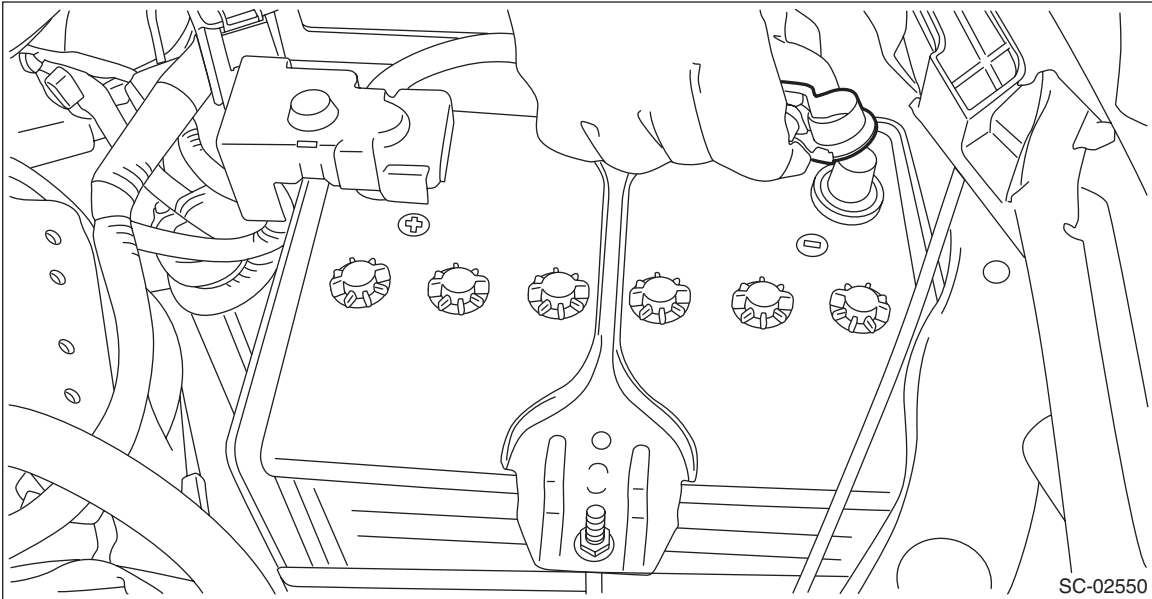
## EGR Cooler

EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

### 8. EGR Cooler

#### A: REMOVAL

1) Disconnect the ground cable from battery.

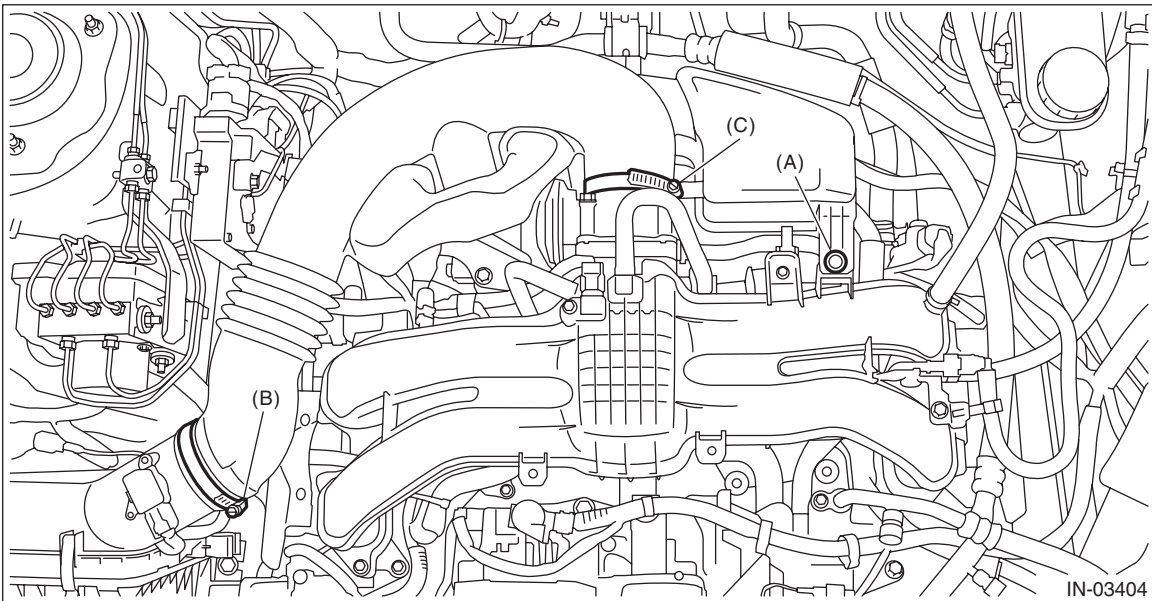


2) Drain engine coolant. <Ref. to CO(H4DO(w/o HEV))-16, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

3) Remove the center exhaust pipe. <Ref. to EX(H4DO(w/o HEV))-14, REMOVAL, Center Exhaust Pipe.>

4) Lower the vehicle.

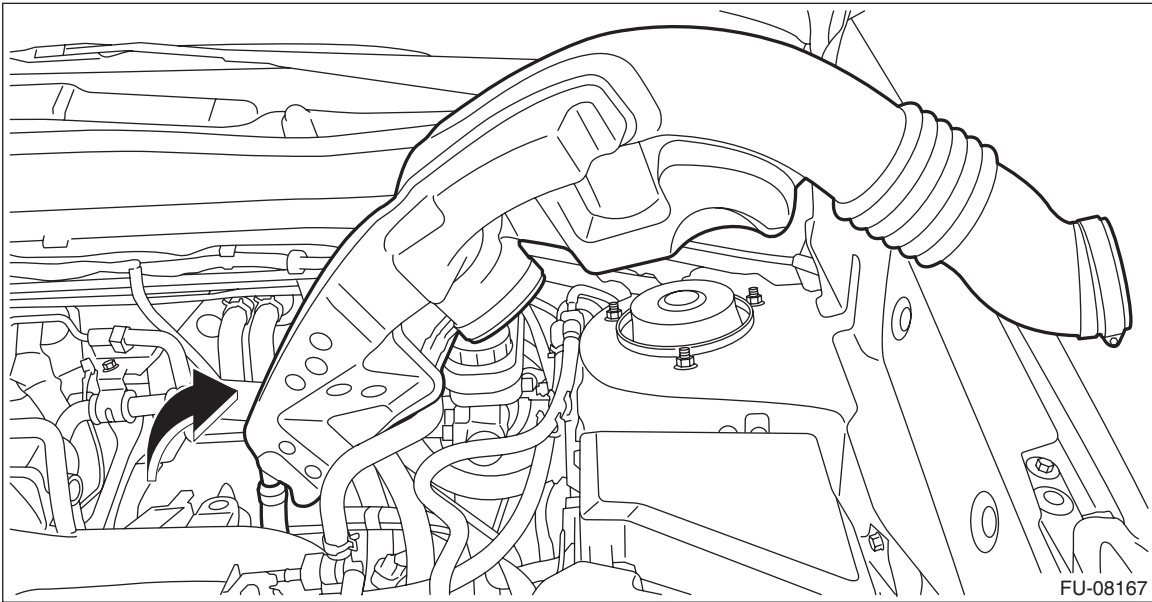
5) Remove the clip (A), and loosen the clamps (B) and (C) securing the air intake boot.



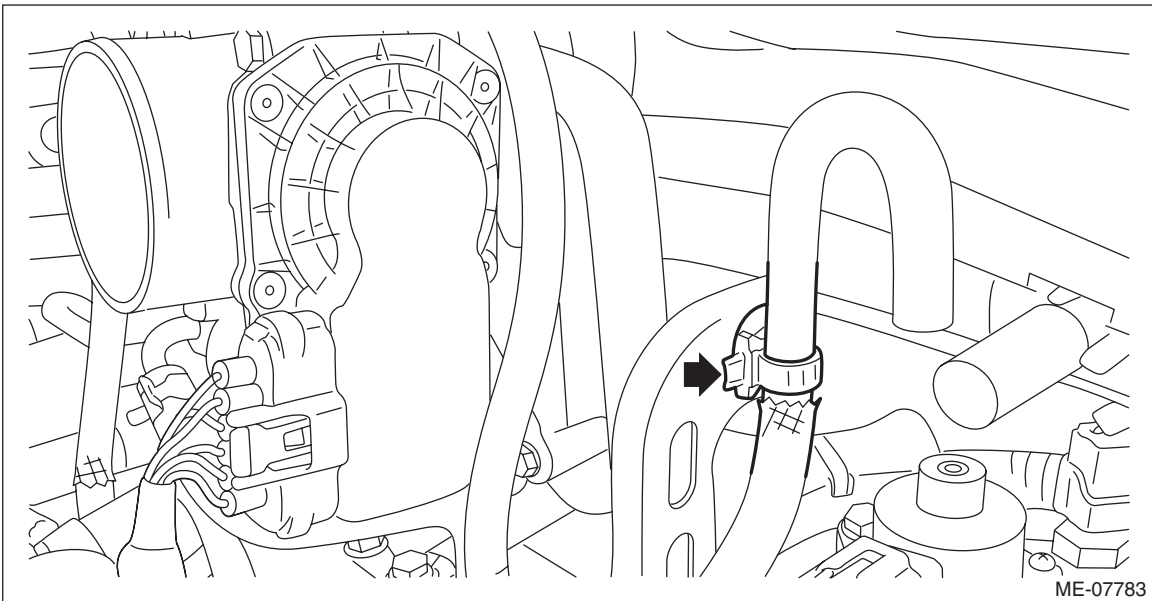
## EGR Cooler

EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

6) Remove the air intake boot from the air cleaner case (rear) and throttle body, and move it to the left side wheel apron.



7) Remove the clip holding the air breather hose to the engine rear hanger. (MT model)



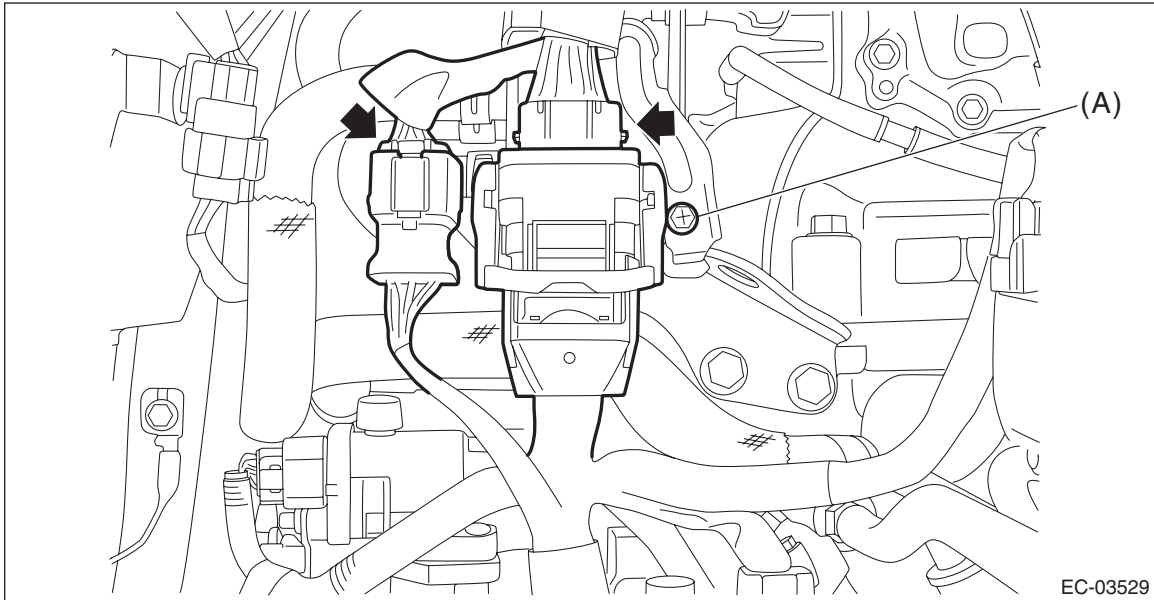
## EGR Cooler

### EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

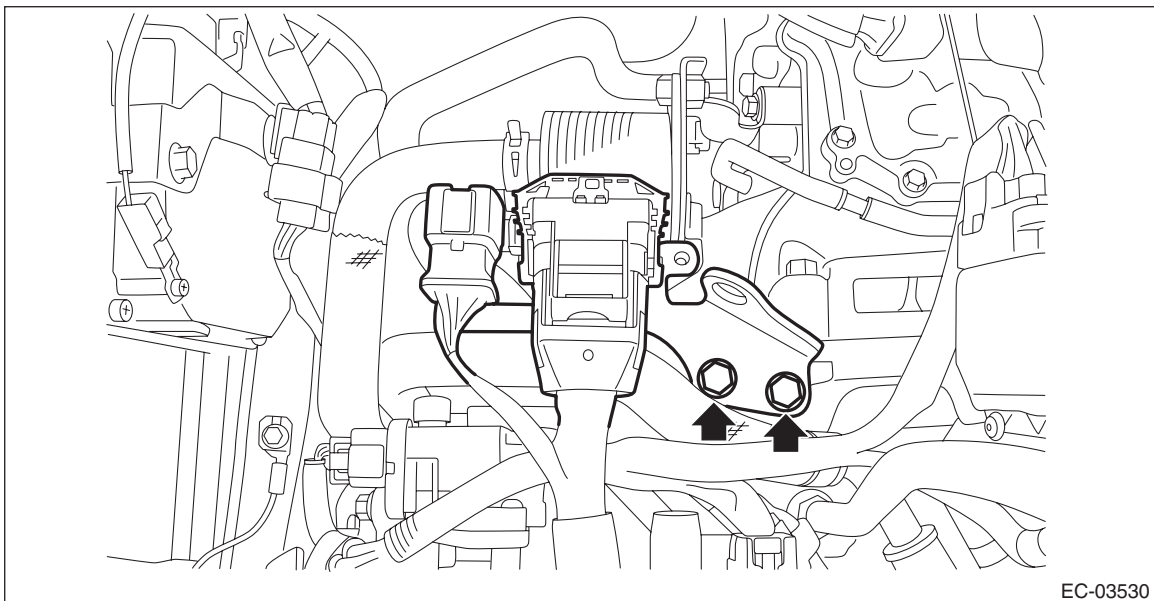
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8) Disconnect the engine harness connector.

- (1) Remove the bolt (A) securing the bulkhead harness connector bracket.
- (2) Disconnect the bulkhead harness connector from the engine harness connector (black) and engine harness connector (brown).



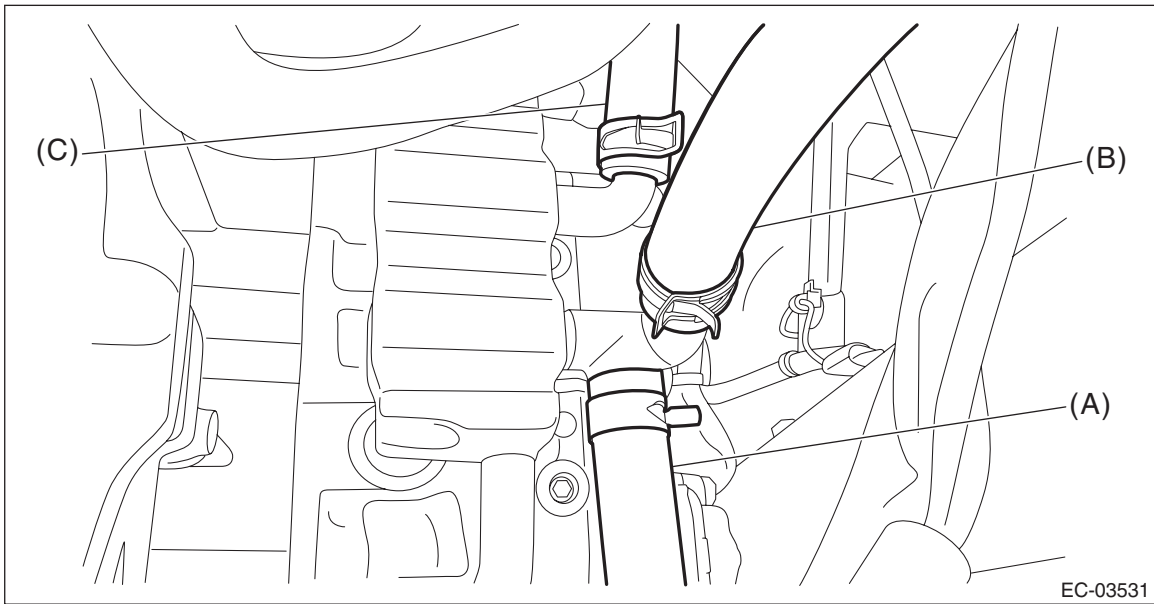
9) Remove the engine rear hanger.



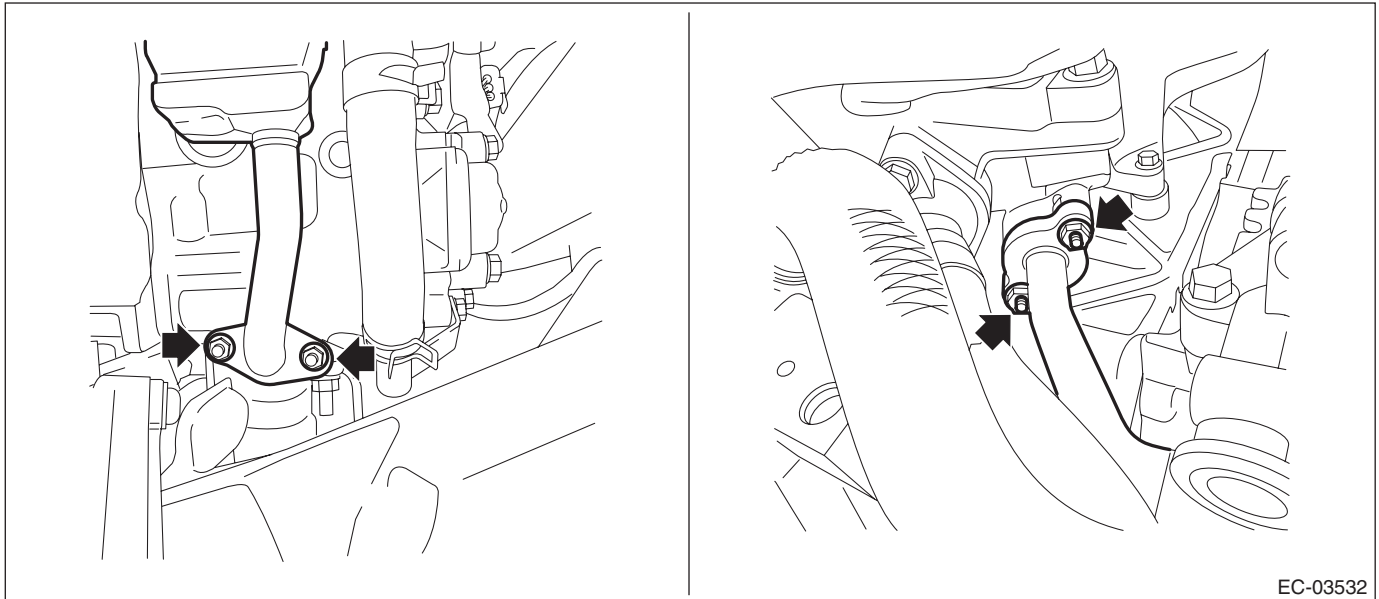
## EGR Cooler

EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

- 10) Disconnect the engine coolant hose (A), engine coolant hose (B) (CVT model) and engine coolant hose (C) from the EGR cooler.



- 11) Remove the nut which secures the EGR cooler to the cylinder head RH.  
12) Remove the nuts securing the EGR cooler to the EGR control valve.

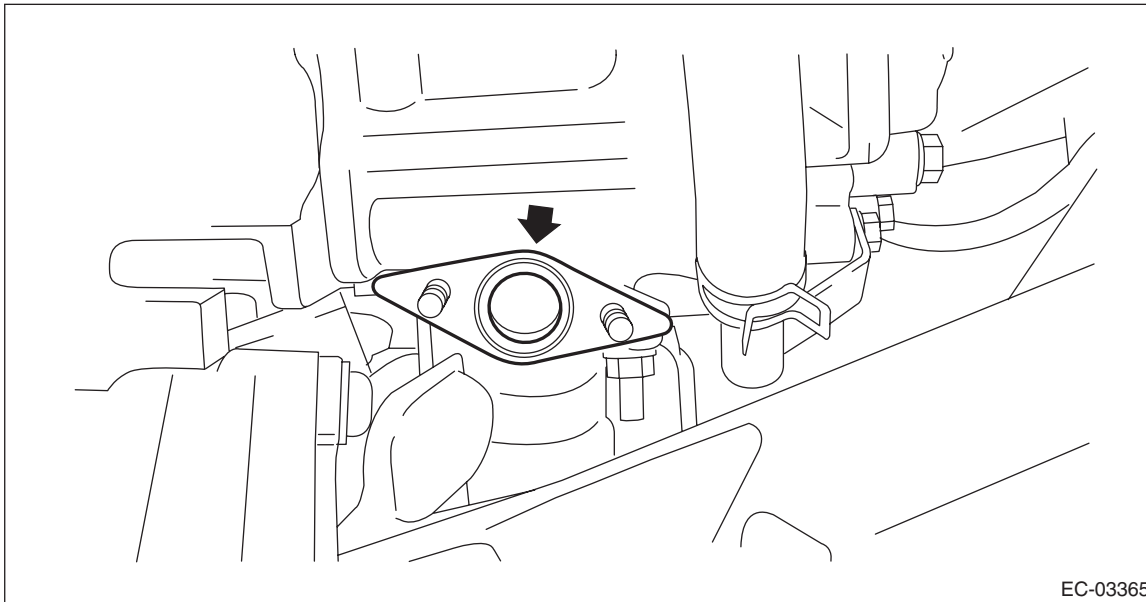


## EGR Cooler

### EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

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13) Remove the gasket from the stud bolt.

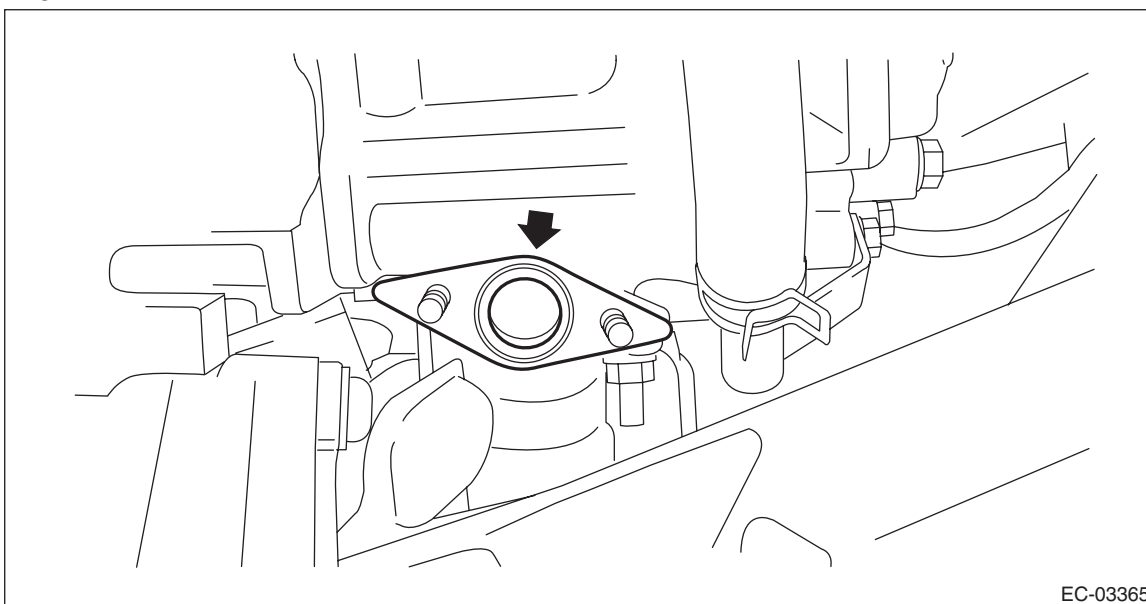


## B: INSTALLATION

1) Set the gasket to the stud bolt.

NOTE:

Use a new gasket.



## EGR Cooler

### EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

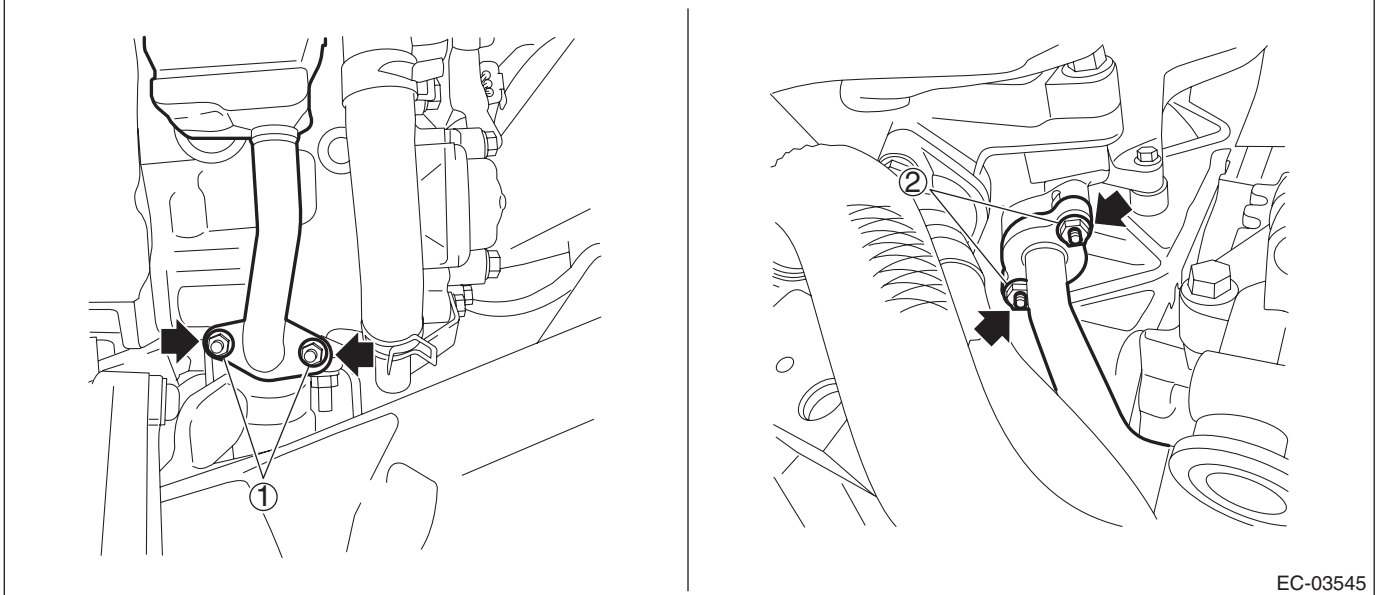
2) Temporarily install the EGR cooler to the EGR control valve and the cylinder head RH and tighten in the numerical order.

**NOTE:**

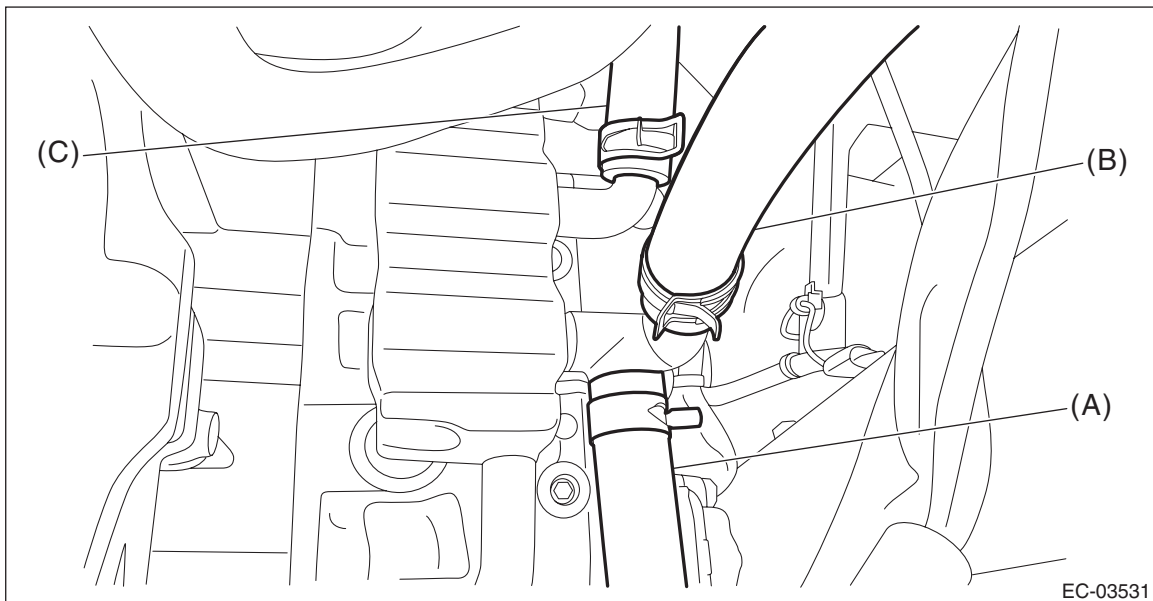
Use a new gasket.

**Tightening torque:**

**9 N·m (0.9 kgf-m, 6.6 ft-lb)**



3) Connect the engine coolant hose (A), engine coolant hose (B) (CVT model) and engine coolant hose (C) to the EGR cooler.



## EGR Cooler

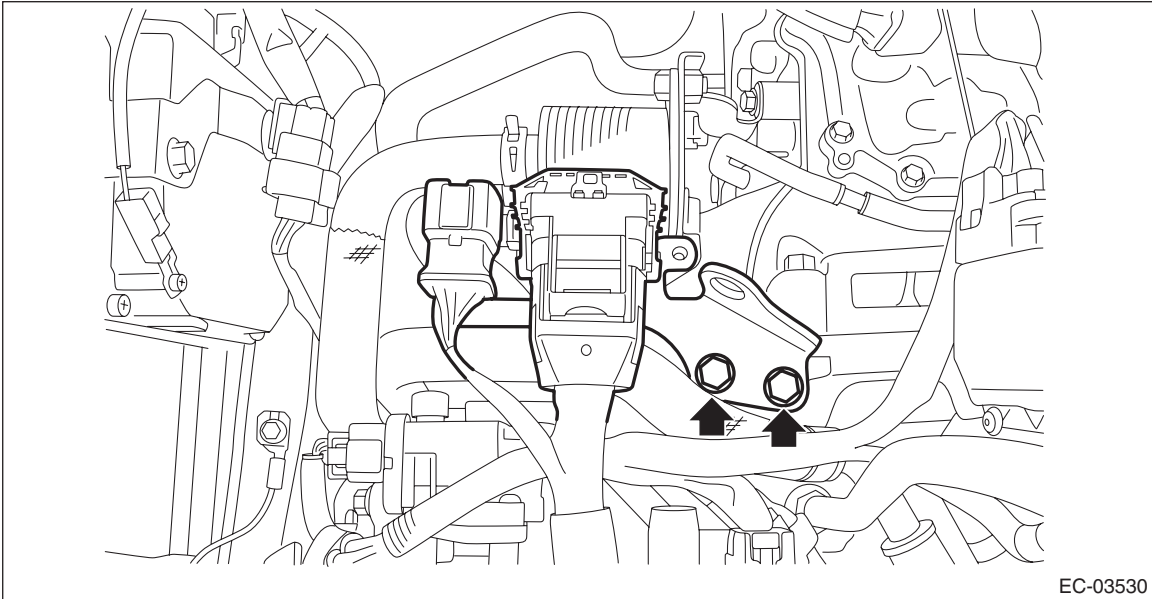
### EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

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4) Install the engine rear hanger.

**Tightening torque:**

**21 N·m (2.1 kgf-m, 15.5 ft-lb)**



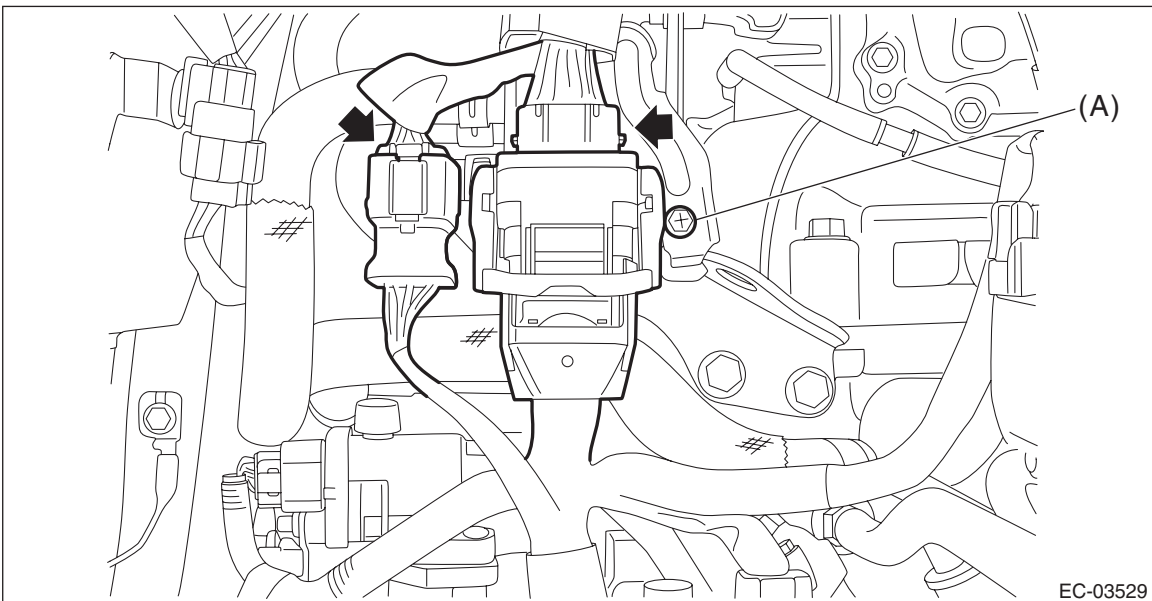
5) Connect the engine harness connector.

(1) Connect the bulkhead harness connector to the engine harness connector (black) and engine harness connector (brown).

(2) Install the bolt (A) which secures the bulkhead harness connector bracket.

**Tightening torque:**

**7.5 N·m (0.8 kgf-m, 5.5 ft-lb)**

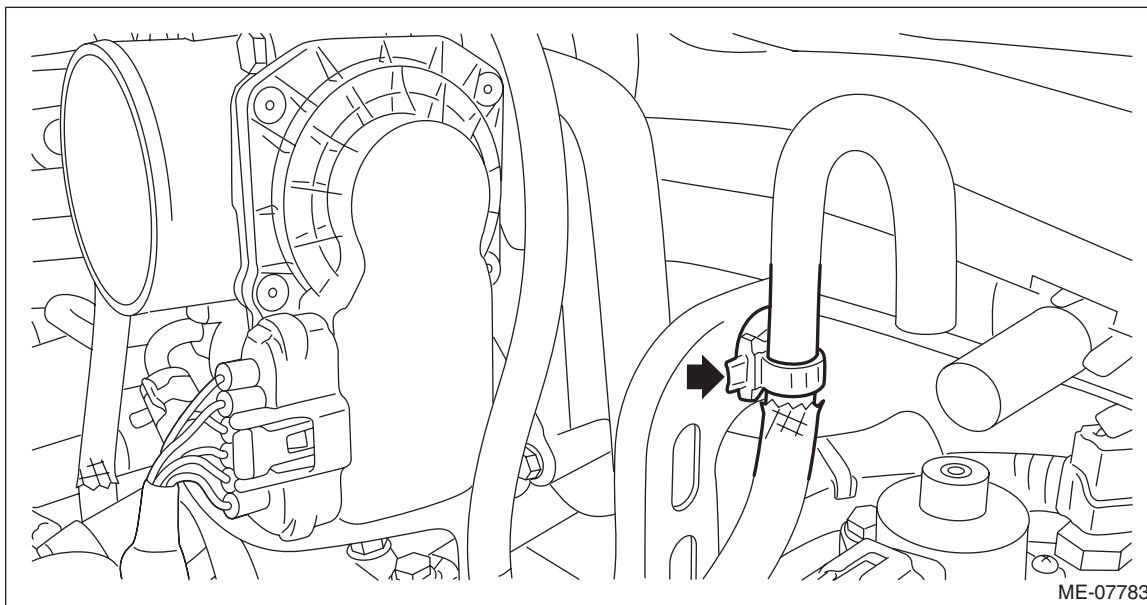




## EGR Cooler

EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

6) Secure the air breather hose to the engine rear hanger using clip. (MT model)



7) Install the air intake boot. <Ref. to IN(H4DO(w/o HEV))-12, INSTALLATION, Air Intake Boot.>

8) Install the center exhaust pipe. <Ref. to EX(H4DO(w/o HEV))-15, INSTALLATION, Center Exhaust Pipe.>

9) Lower the vehicle.

10) Install the collector cover.

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

12) Fill engine coolant. <Ref. to CO(H4DO(w/o HEV))-16, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

### C: INSPECTION

1) Check that the EGR cooler has no deformation, cracks or other damages.

2) Check that the hose has no cracks, damage or loose part.