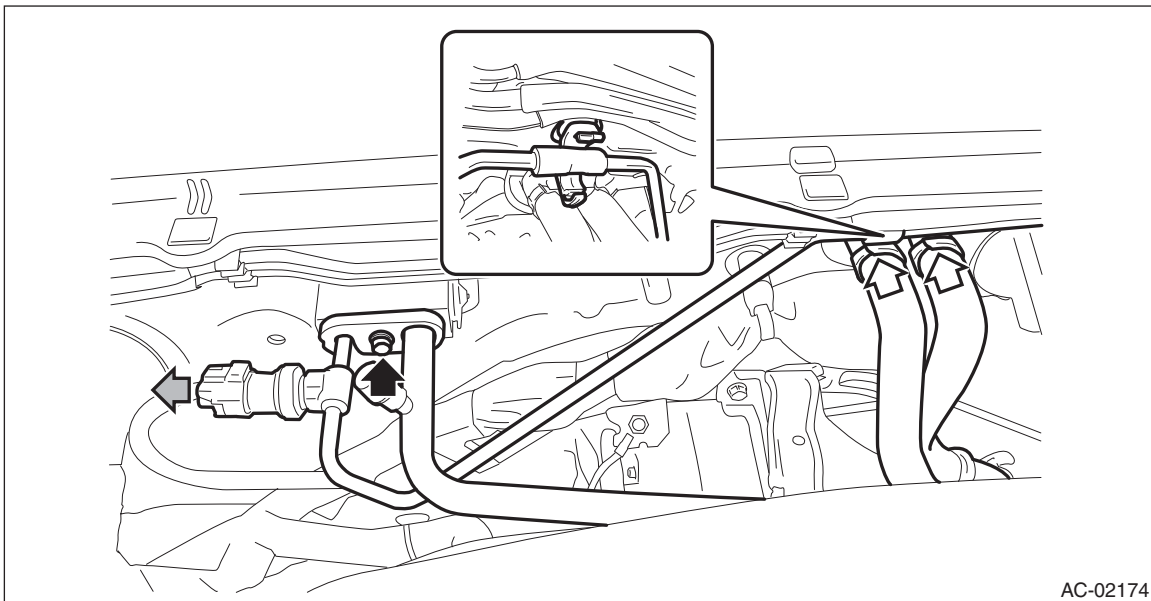


18. Evaporator

A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Using the refrigerant recovery system, drain the refrigerant. <Ref. to AC-18, PROCEDURE, Refrigerant Recovery Procedure.>
- 3) Drain the coolant from the radiator.
 - H4 non-turbo model: <Ref. to CO(H4SO)-14, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
 - H4 turbo model: <Ref. to CO(H4DOTC)-14, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
 - H6 model: <Ref. to CO(H6DO)-12, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- 4) Remove the connector and bolts, and remove the expansion valve and AC pipes from the evaporator.
- 5) Loosen the heater hose clamps and remove the hoses.

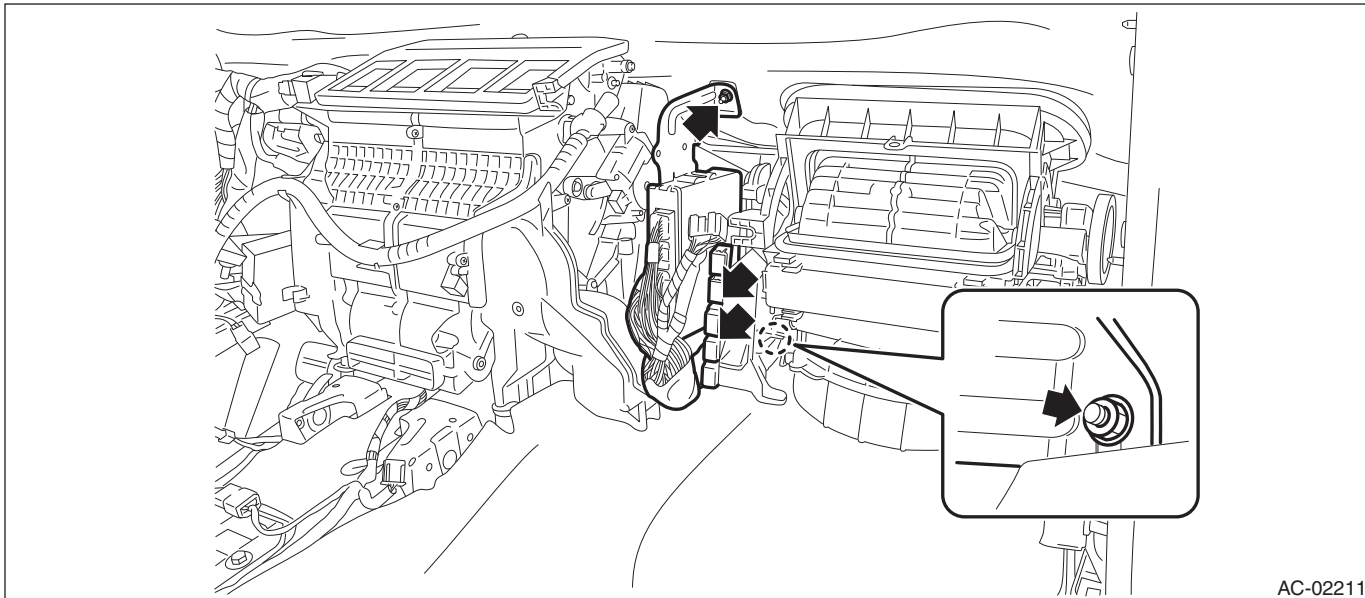


- 6) Remove the instrument panel assembly. <Ref. to EI-75, REMOVAL, Instrument Panel Assembly.>
- 7) Remove the heater and cooling unit.
 - (1) Release the lock and remove the relay holder.

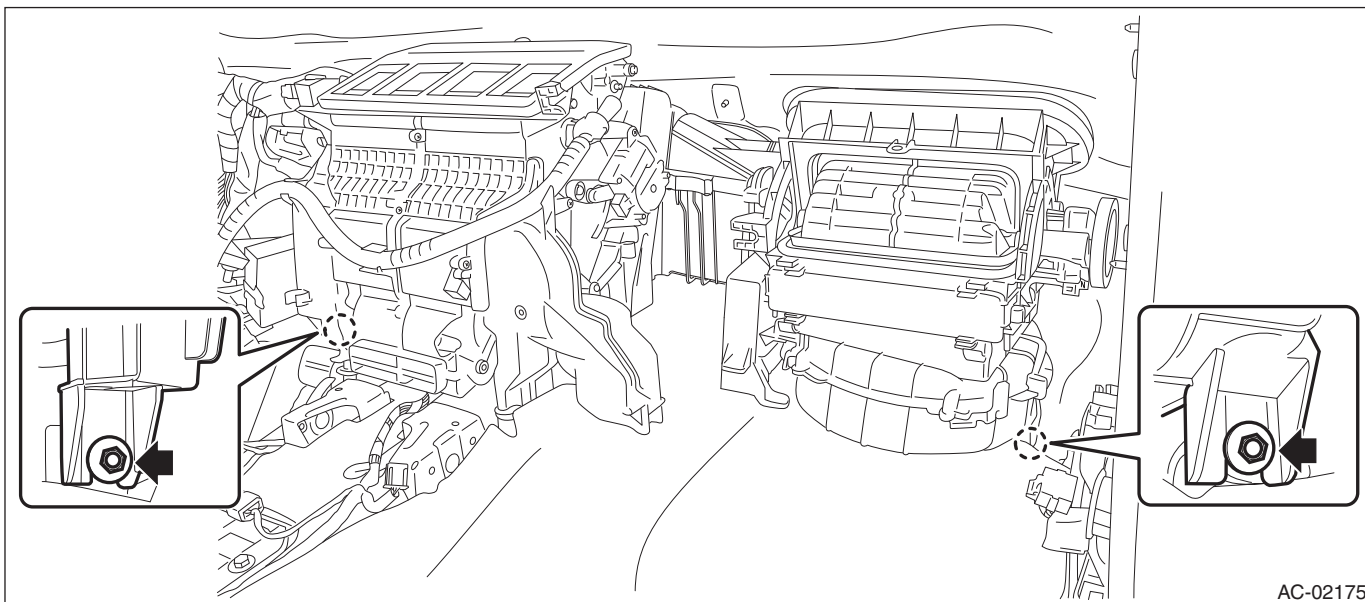
Evaporator

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

(2) Remove the nuts, and remove the engine control module (ECM).



(3) Remove the bolts and remove the heater and cooling unit.

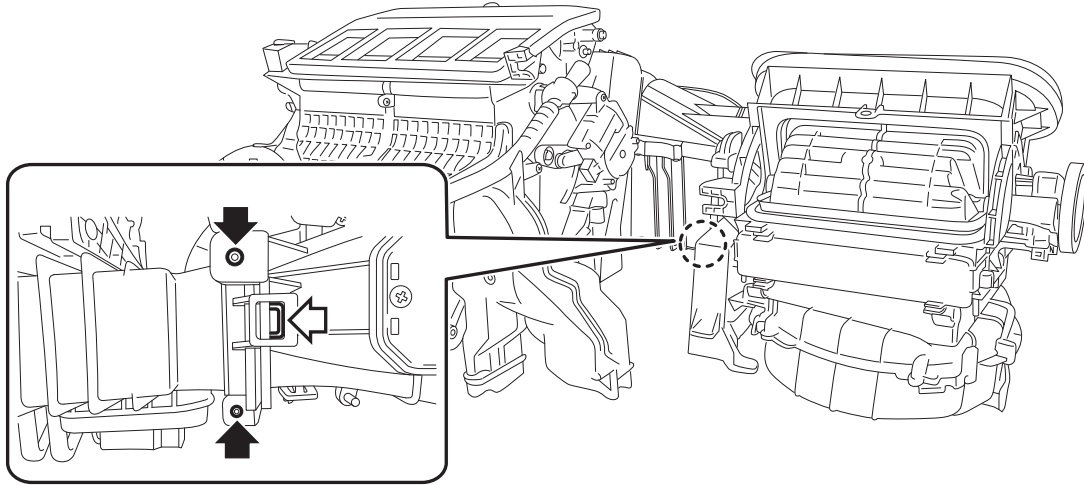


8) Remove the blower motor unit assembly.

Evaporator

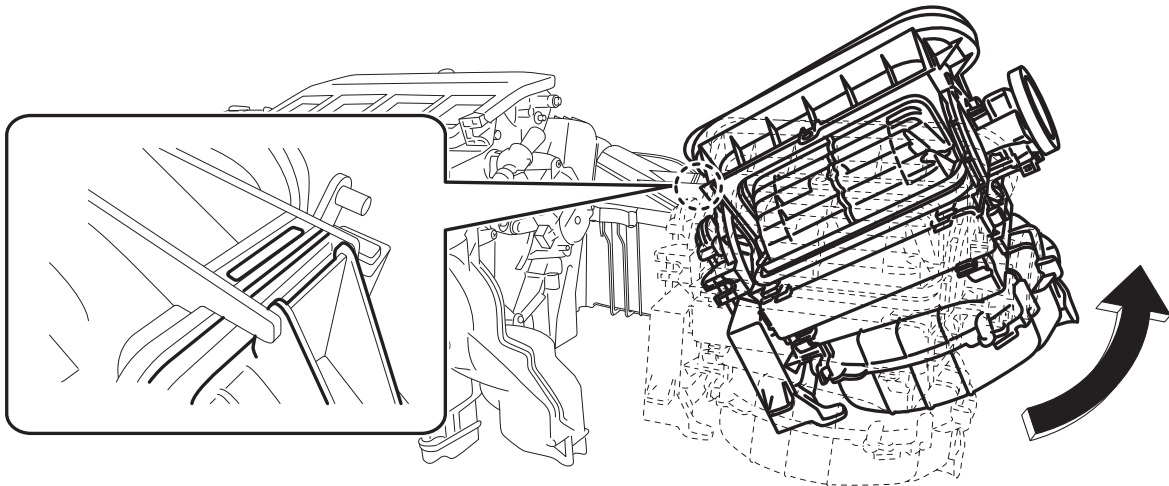
HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

(1) Release the claws and remove the bolts.



AC-02159

(2) Remove the blower motor unit assembly as shown in the figure.

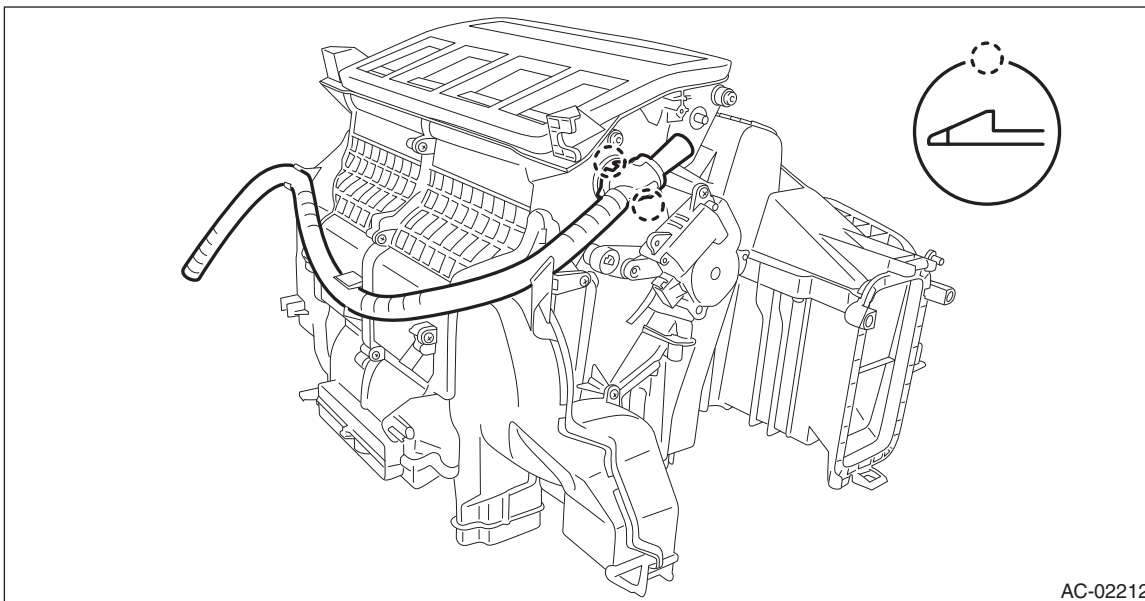


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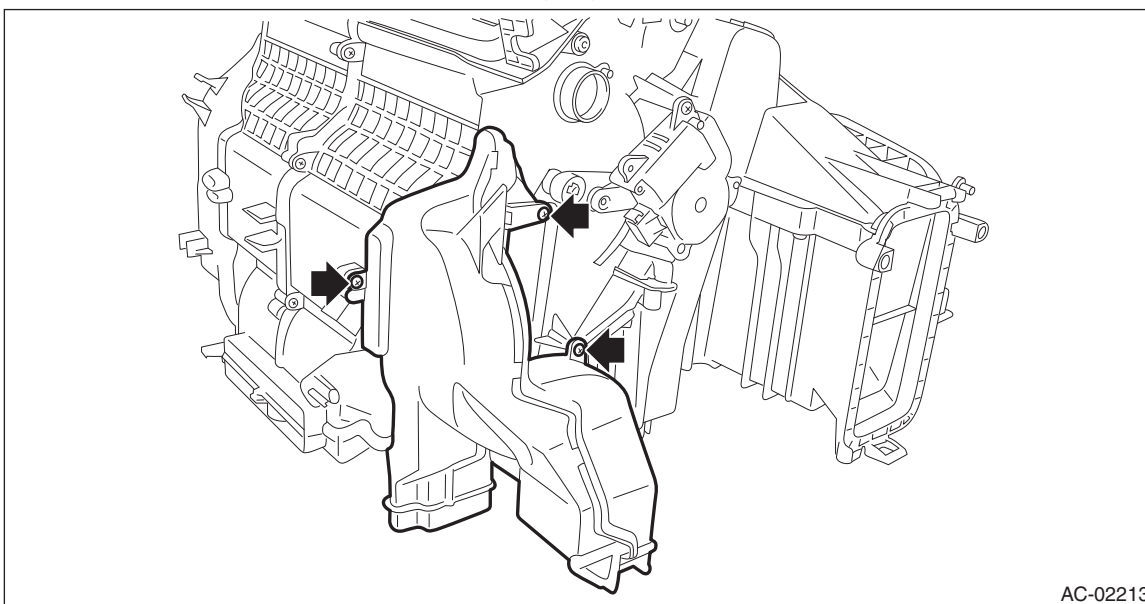
Evaporator

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

9) Disconnect the claws and then remove the aspirator hose.



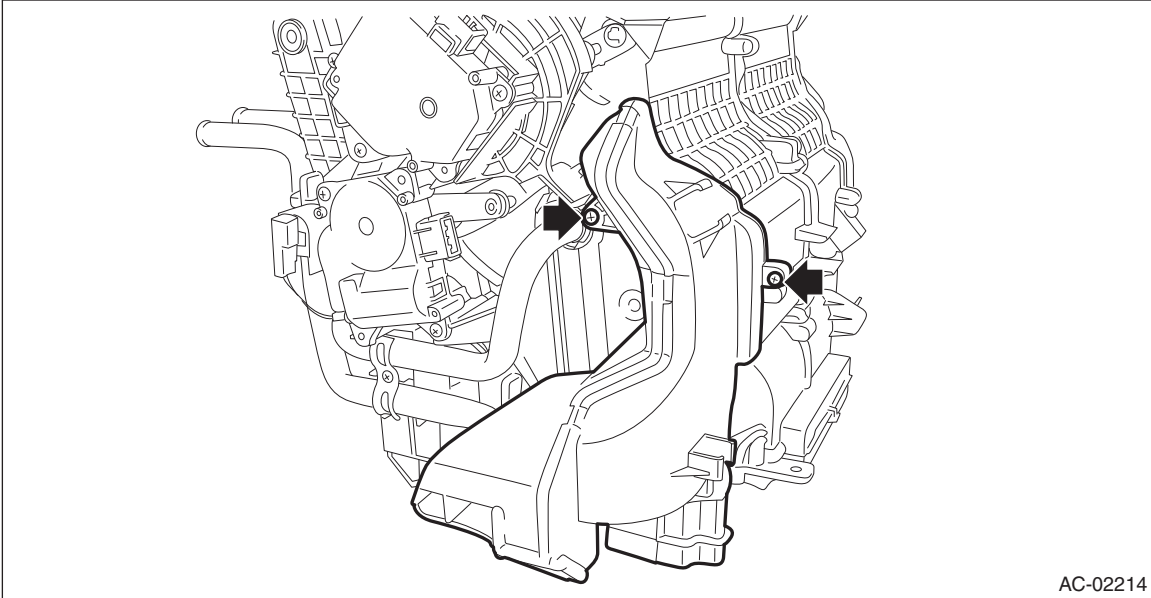
10) Remove the screws and remove the foot duct (RH).



Evaporator

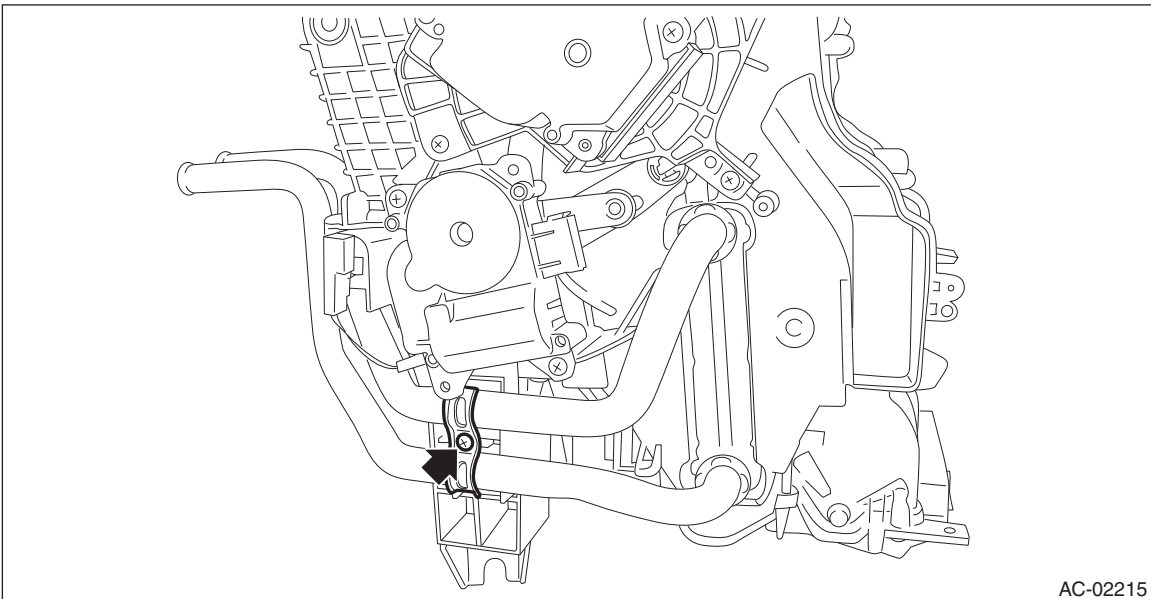
HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

11) Remove the screws and remove the foot duct (LH).



12) Pull out the heater core.

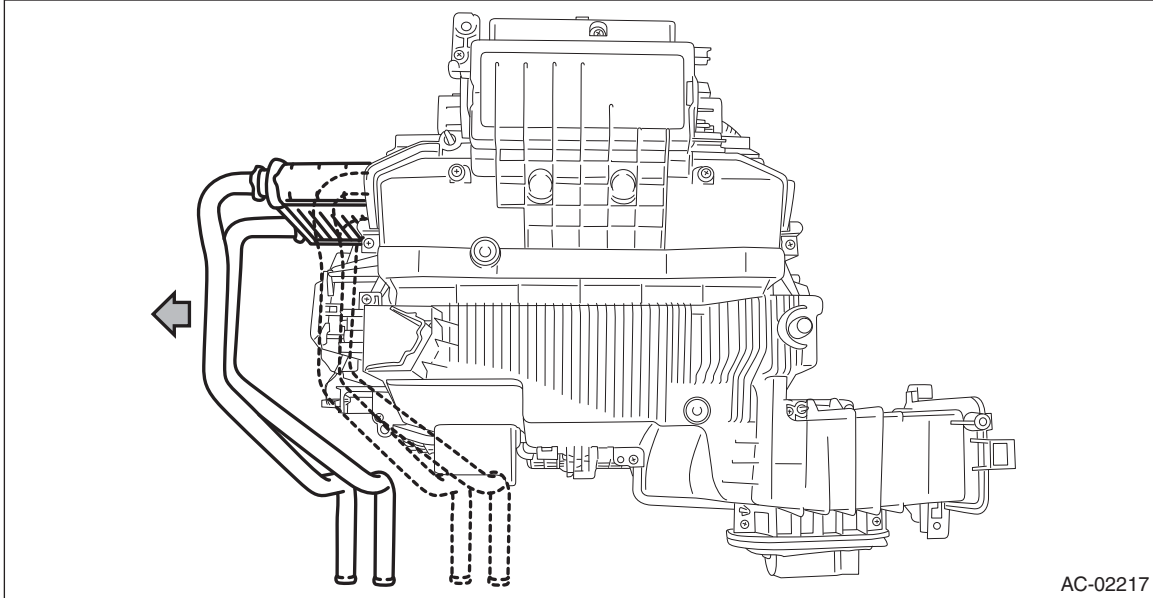
(1) Remove the screw and remove the heater pipe clamp.



Evaporator

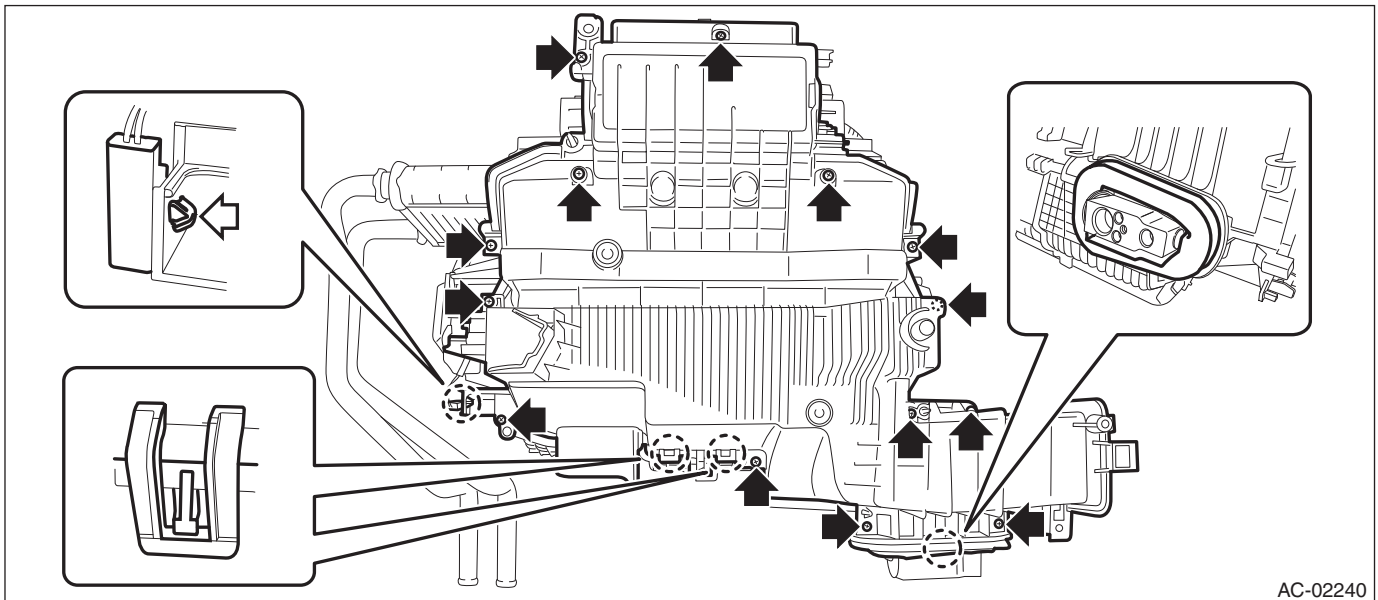
HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

- (2) Pull out the heater core from the heater and cooling unit assembly.



- 13) Remove the heater case lower.

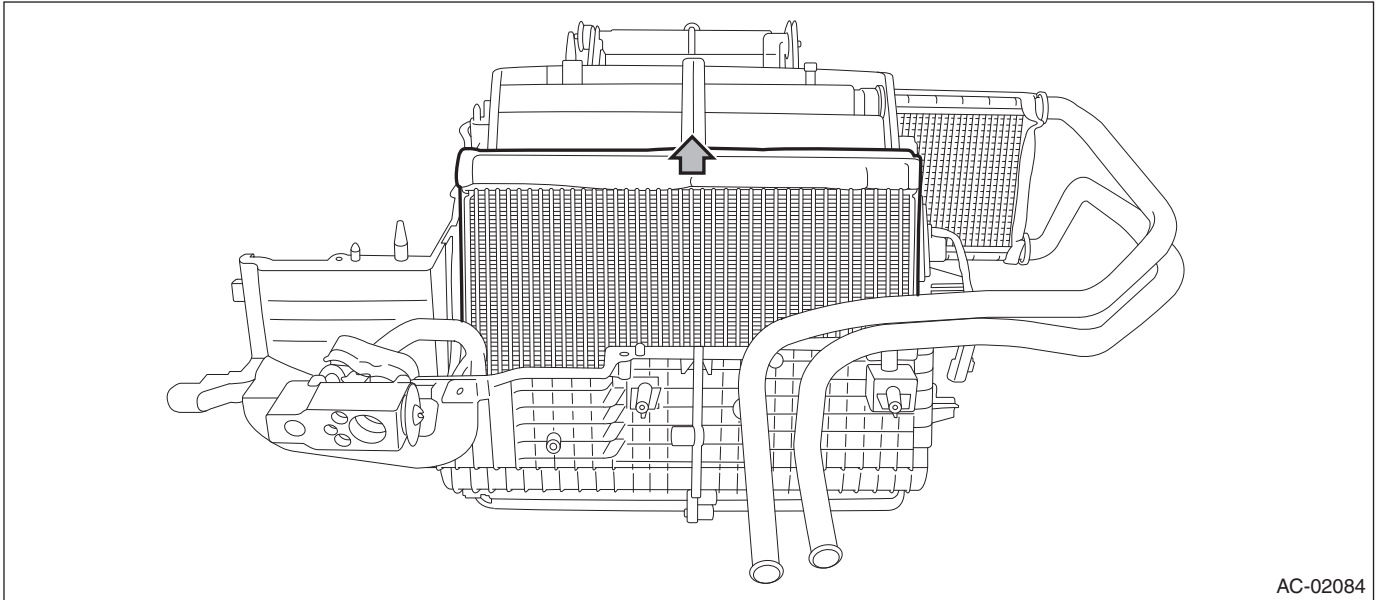
- (1) Remove the clip, and remove the evaporator connector.
- (2) Remove the gasket.
- (3) Remove the screw and lock, then remove the heater case lower.



Evaporator

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

14) Remove the evaporator.

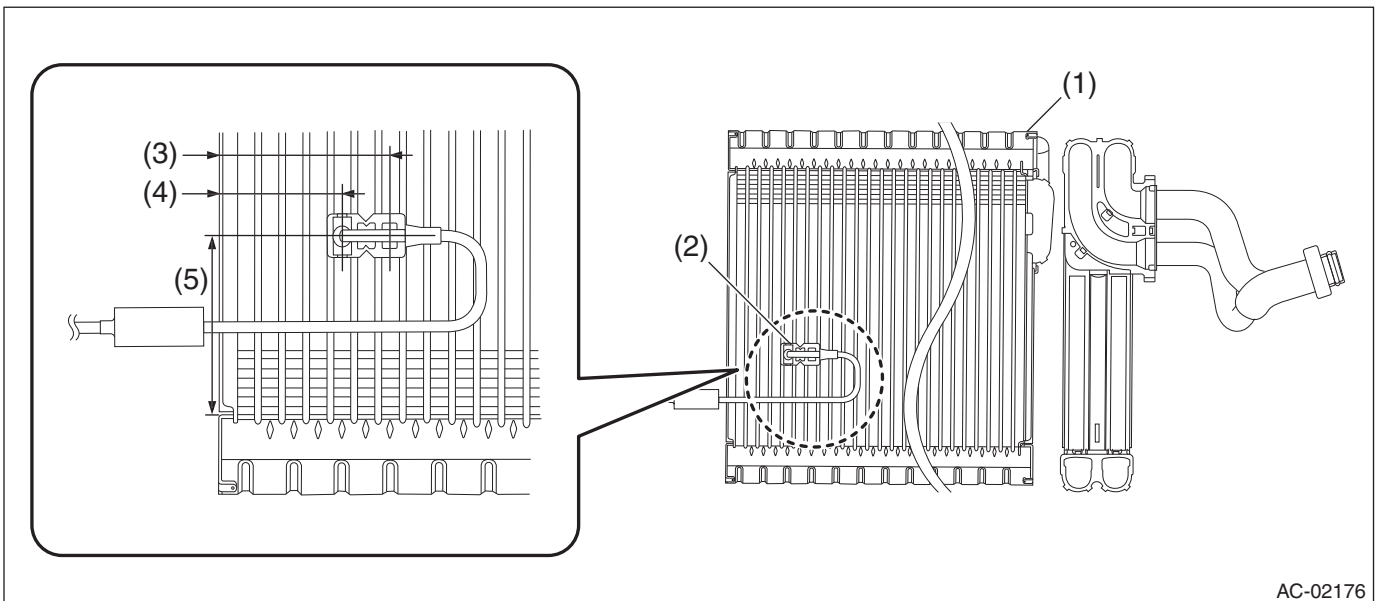


AC-02084

B: INSTALLATION

CAUTION:

- Do not start the engine before charging refrigerant.
- If the engine is started with no refrigerant charge, replace the compressor.
- If the engine may have been started with no refrigerant charge, check for any diagnosis code (DTC) using Subaru Select Monitor. If the code B1644 (Refrigerant not sealed drive error) is output, replace the compressor.
- If the evaporator has been replaced, add an appropriate amount of compressor oil to the evaporator. <Ref. to AC-24, REPLACEMENT, Compressor Oil.>
- Make sure that the water stop gasket of the cover attachment area is securely attached.
- Replace the O-rings on pipes with new parts, and then apply compressor oil.
- Install the evaporator sensor at the position shown in the figure below.



AC-02176

- | | | |
|-----------------------|-----------------------|---------------------|
| (1) Evaporator | (3) 47.7 mm (1.88 in) | (5) 50 mm (1.97 in) |
| (2) Evaporator sensor | (4) 34.3 mm (1.35 in) | |

1) Install each part in the reverse order of removal.

Evaporator

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

2) Fill engine coolant.

- H4 non-turbo model: <Ref. to CO(H4SO)-14, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- H4 turbo model: <Ref. to CO(H4DOTC)-14, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- H6 model: <Ref. to CO(H6DO)-12, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

3) Charge refrigerant. <Ref. to AC-19, PROCEDURE, Refrigerant Charging Procedure.>

Tightening torque:

- ***Heater cooling unit:*** <Ref. to AC-4, HEATER COOLING UNIT, COMPONENT, General Description.>
- ***Blower motor unit:*** <Ref. to AC-6, BLOWER MOTOR UNIT, COMPONENT, General Description.>

C: INSPECTION

- 1) Check the evaporator fin for dust. Blow with compressed air or flush fins with water as needed.
- 2) If any oil leak is found from the evaporator, replace the evaporator.