

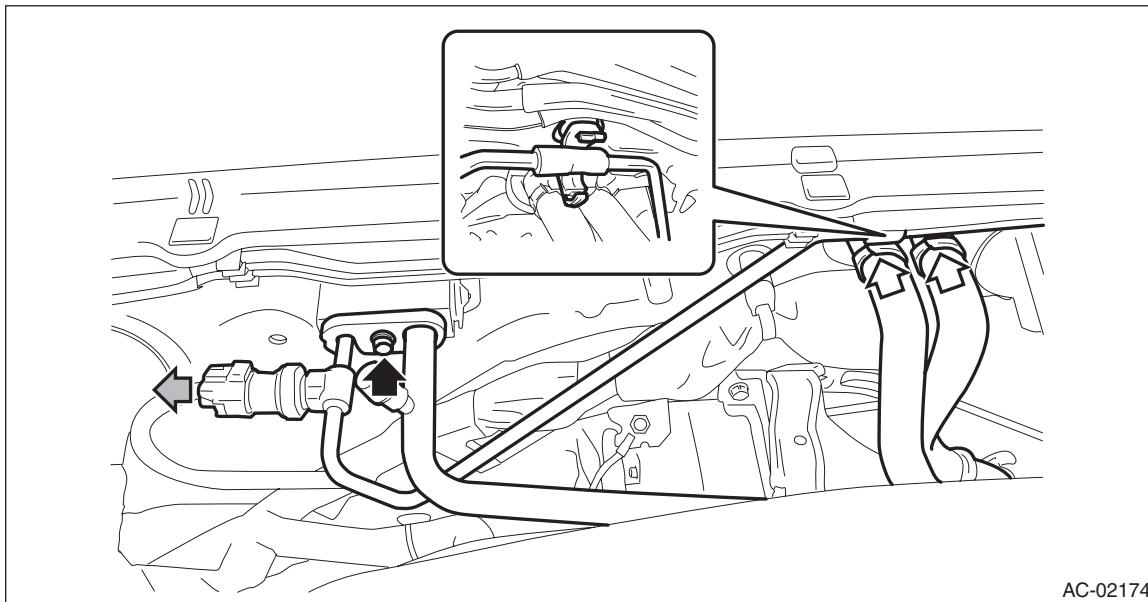
19. Evaporator

A: REMOVAL

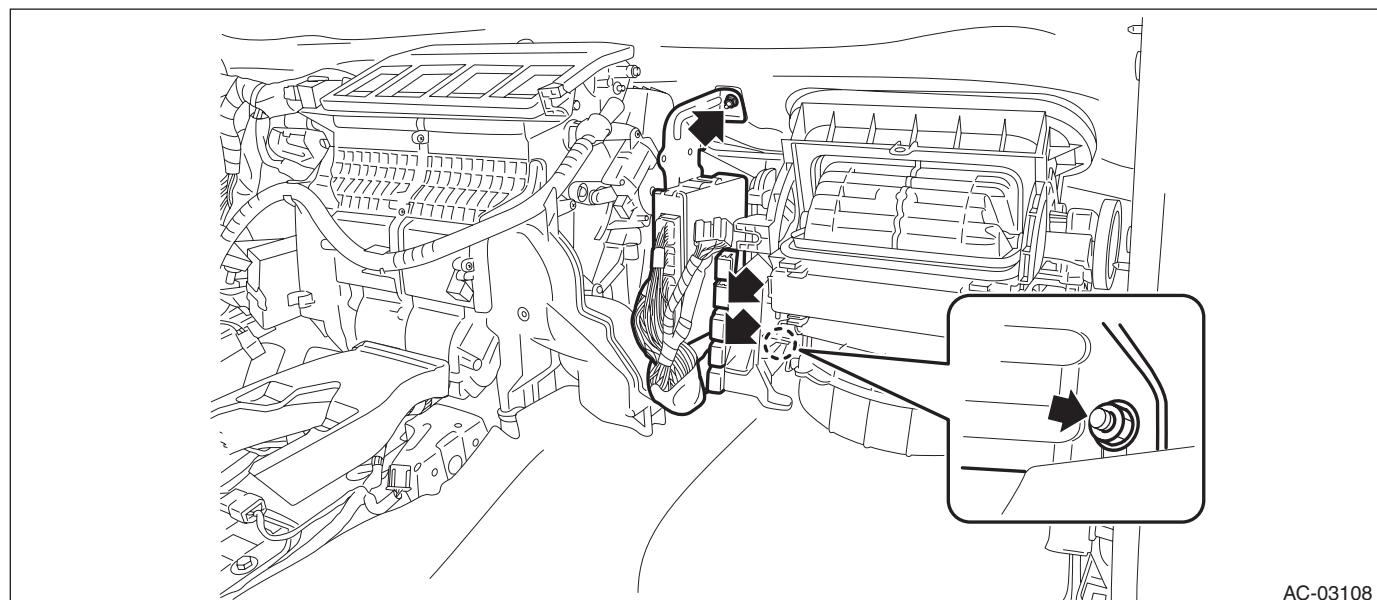
- 1) Disconnect the ground cable from battery.
- 2) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-26, PROCEDURE, Refrigerant Recovery Procedure.>
- 3) Drain the coolant from the radiator.
 - H4 model: <Ref. to CO(H4DO)-14, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
 - H6 model: <Ref. to CO(H6DO)-12, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- 4) Remove the connector and bolts, and remove the high-pressure hose and AC pipe from the expansion valve.
- 5) Loosen the heater hose clamps and remove the hoses.

NOTE:

Put alignment marks to hoses, clamps, etc. and remove them.



- 6) Remove the instrument panel assembly. <Ref. to EI-75, REMOVAL, Instrument Panel Assembly.>
- 7) Remove the engine control module (ECM).
 - (1) Release the lock and remove the relay holder.
 - (2) Remove the nuts, and remove the engine control module (ECM).

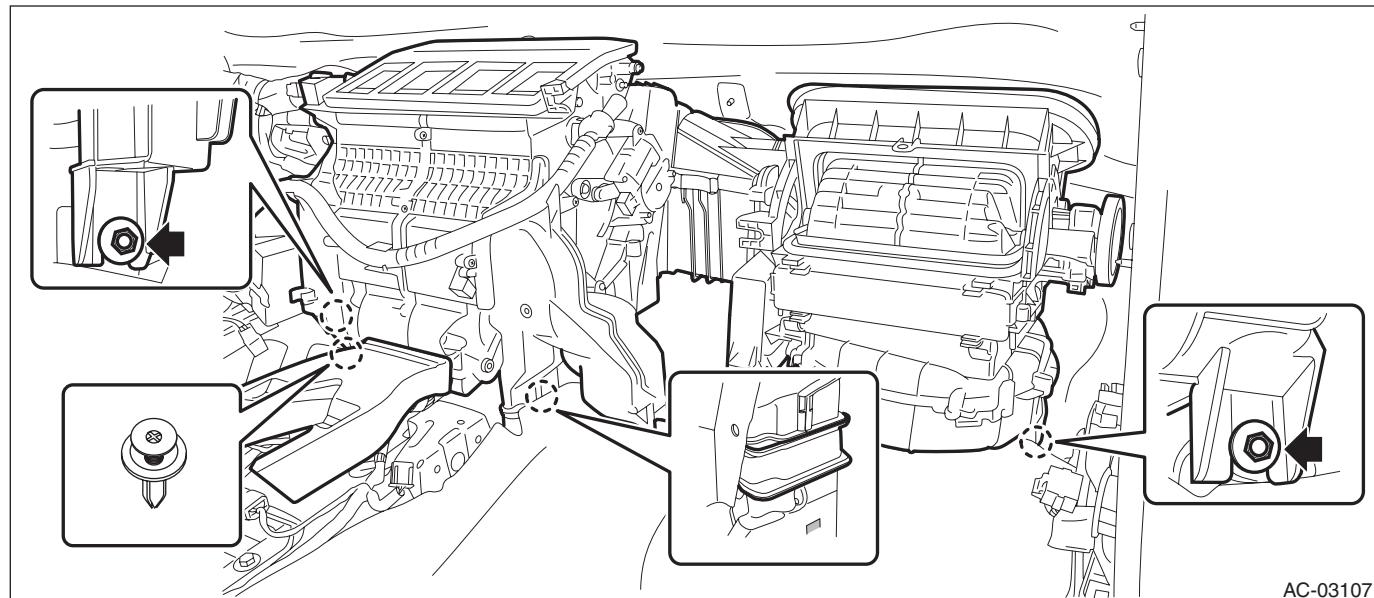


Evaporator

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

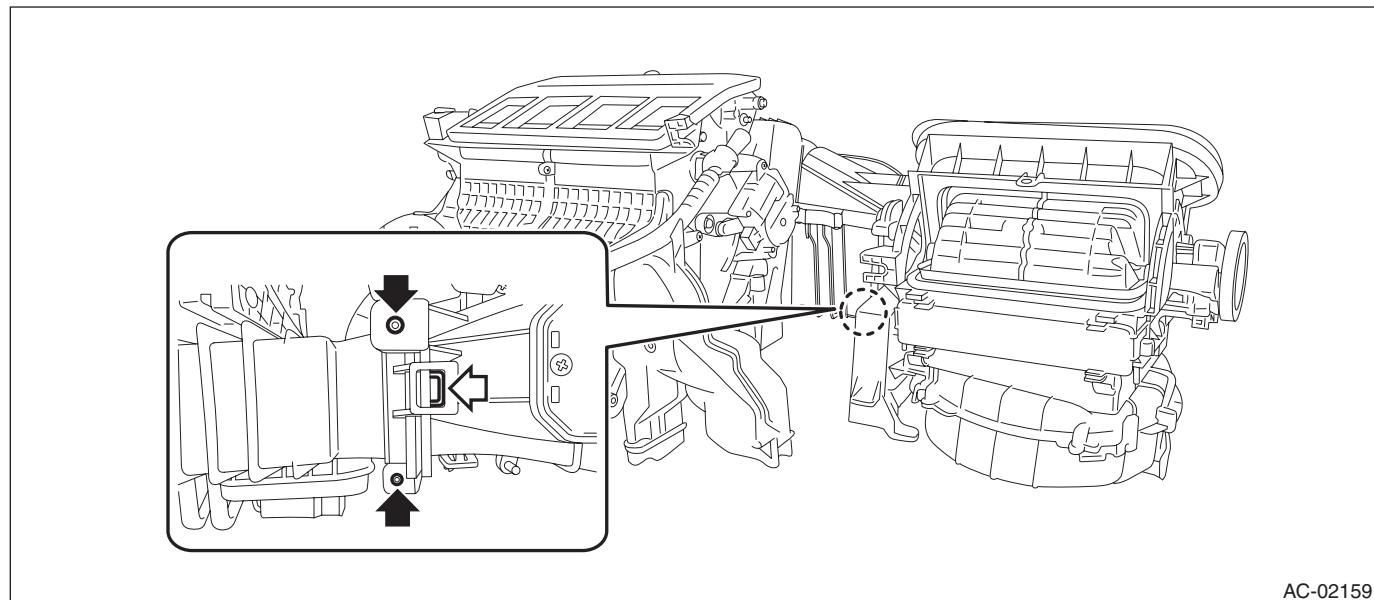
8) Remove the heater and cooling unit.

- (1) Remove the clip, and remove the rear center duct.
- (2) Turn over the floor carpet and remove the rear heater duct slide locks on the left and right.
- (3) Remove the bolt and remove the heater and cooling unit.



9) Remove the blower motor unit assembly.

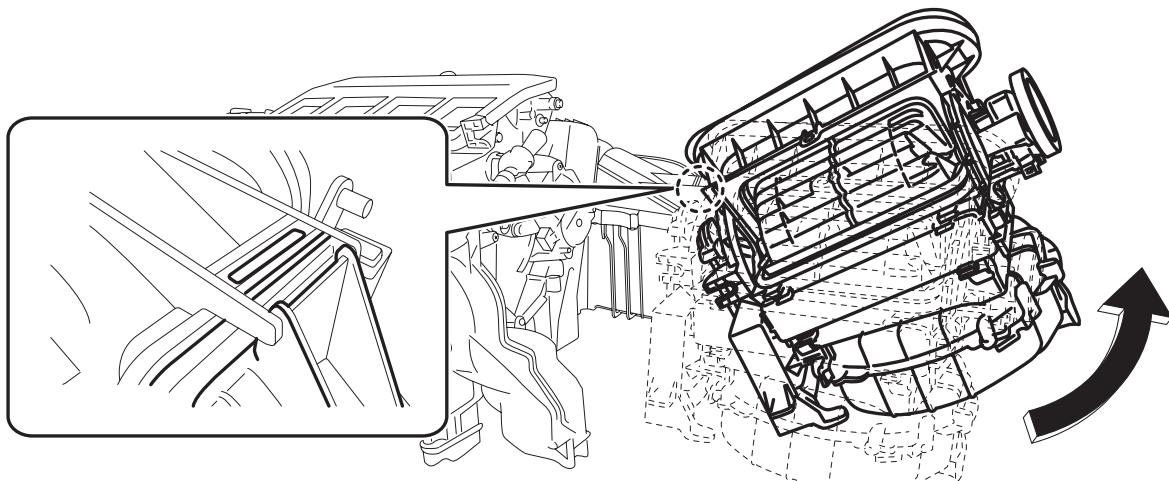
- (1) Release the claws and remove the bolts.



Evaporator

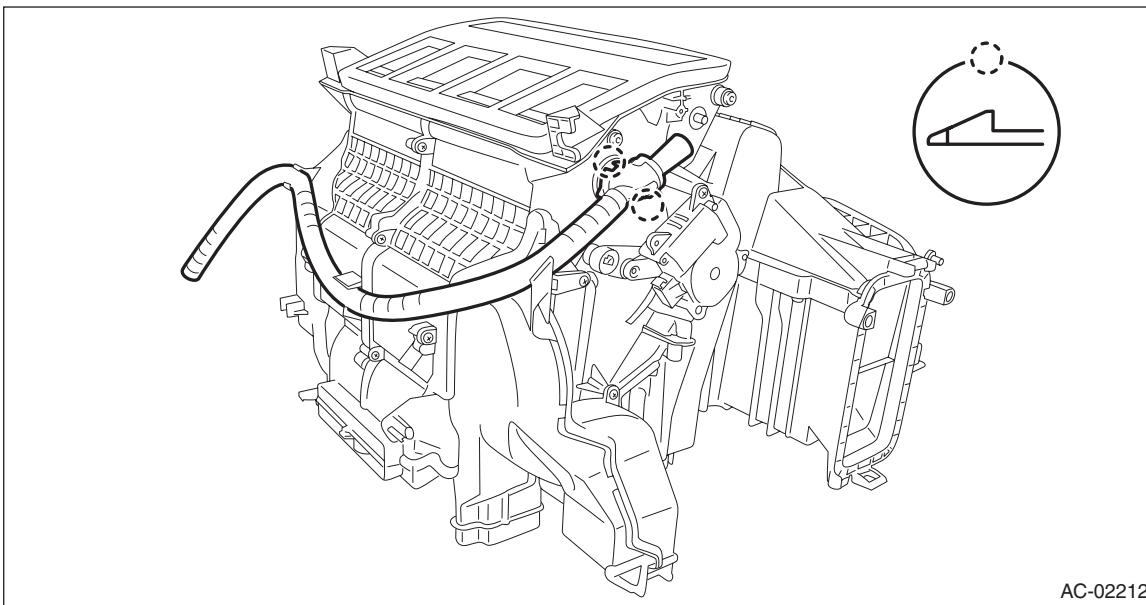
HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

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



AC-02160

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

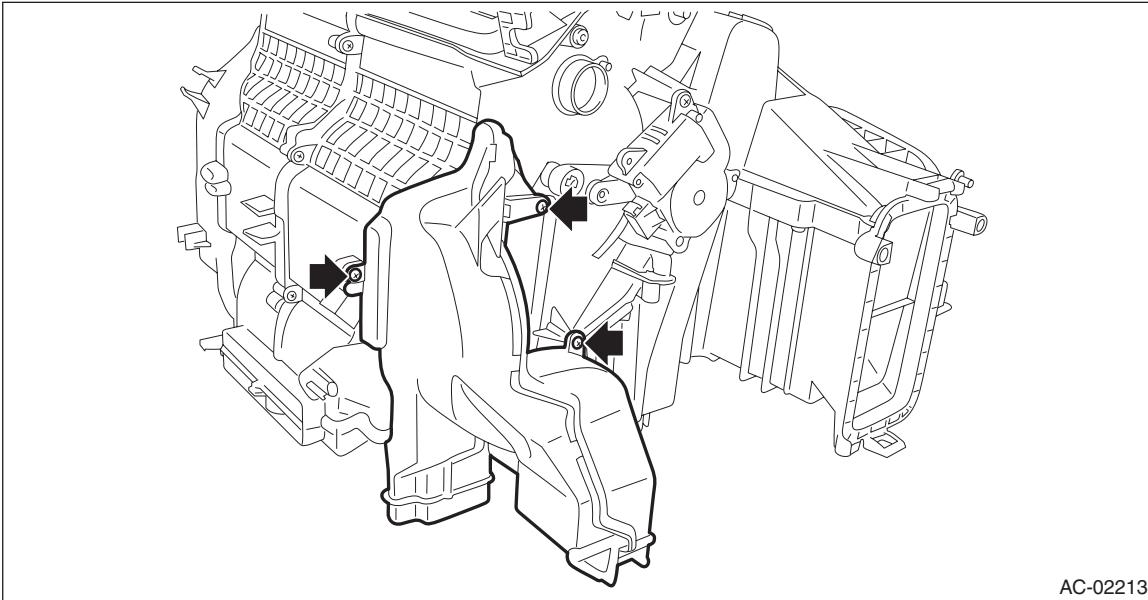


AC-02212

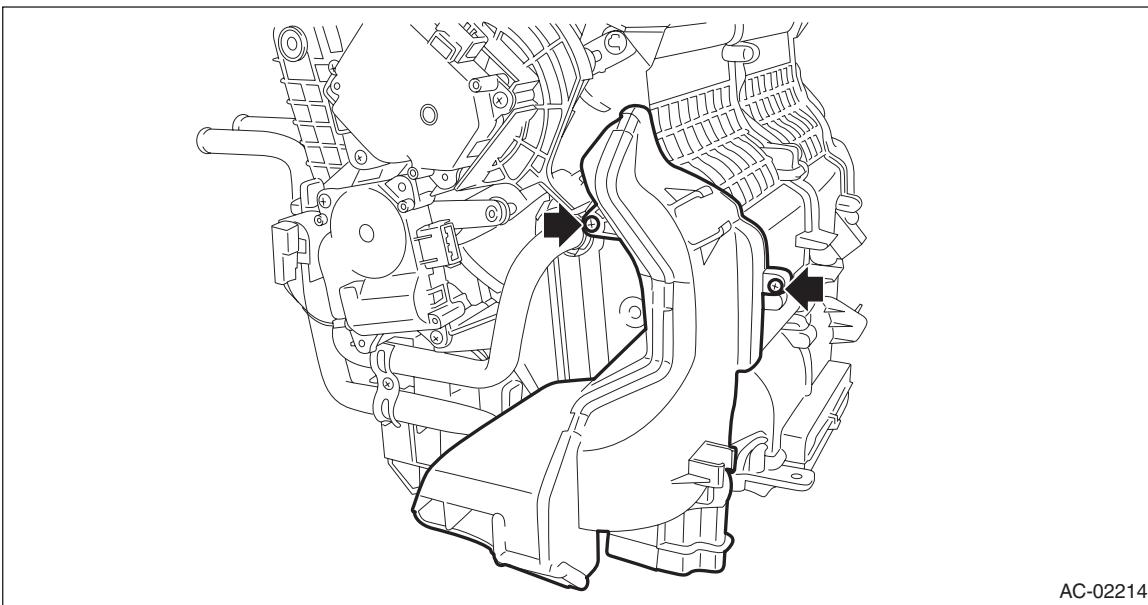
Evaporator

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

11) Remove the screw, and then remove the foot duct (RH).



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

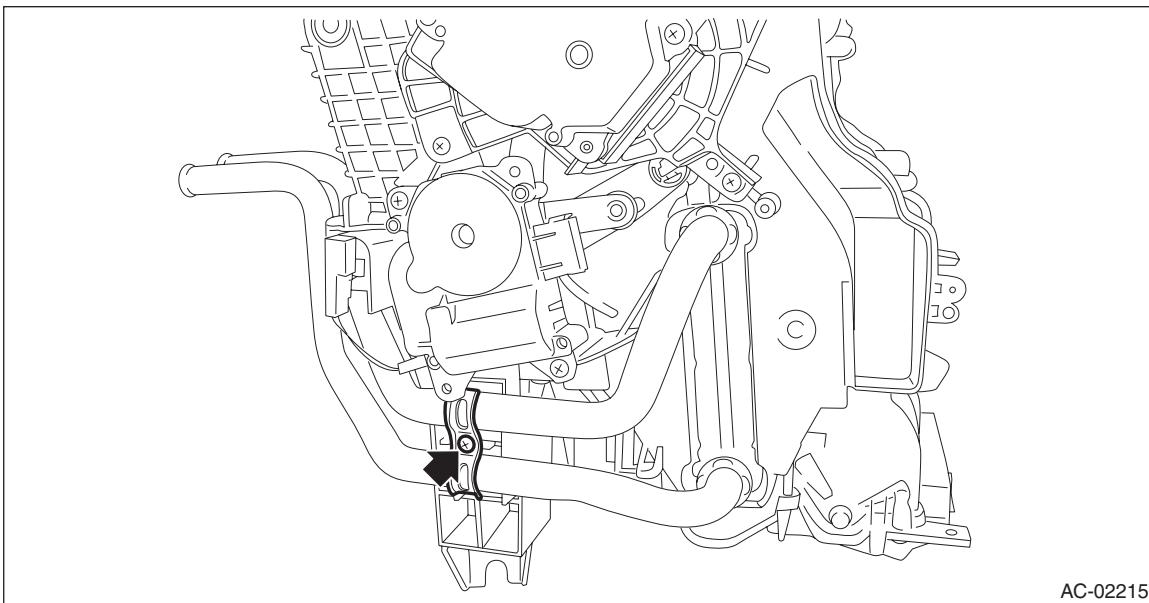


Evaporator

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

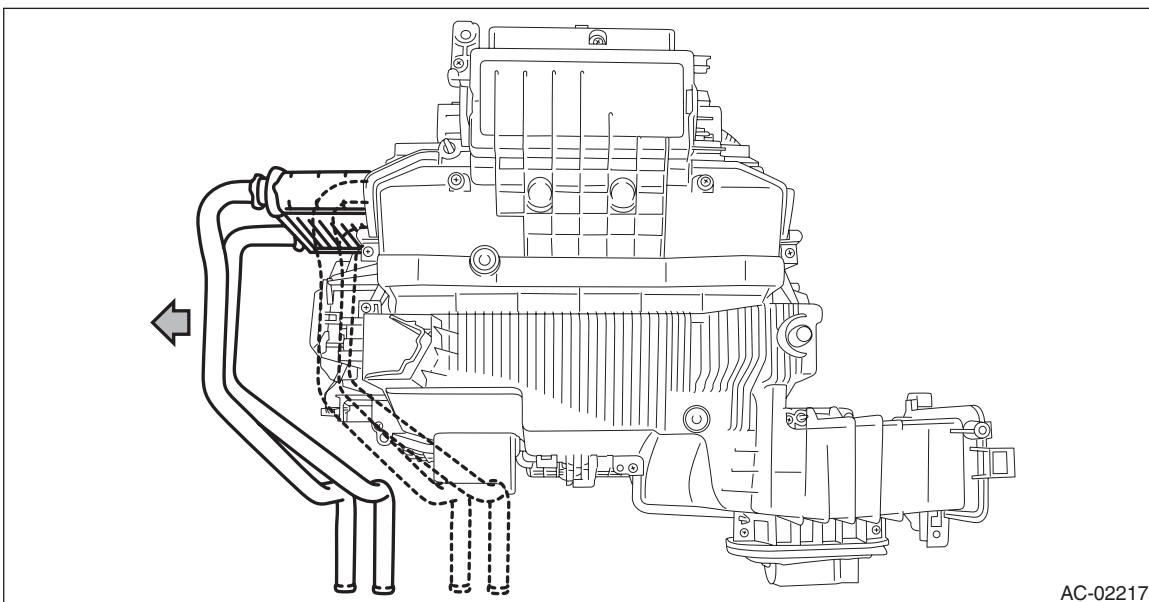
13) Pull out the heater core.

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



AC-02215

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



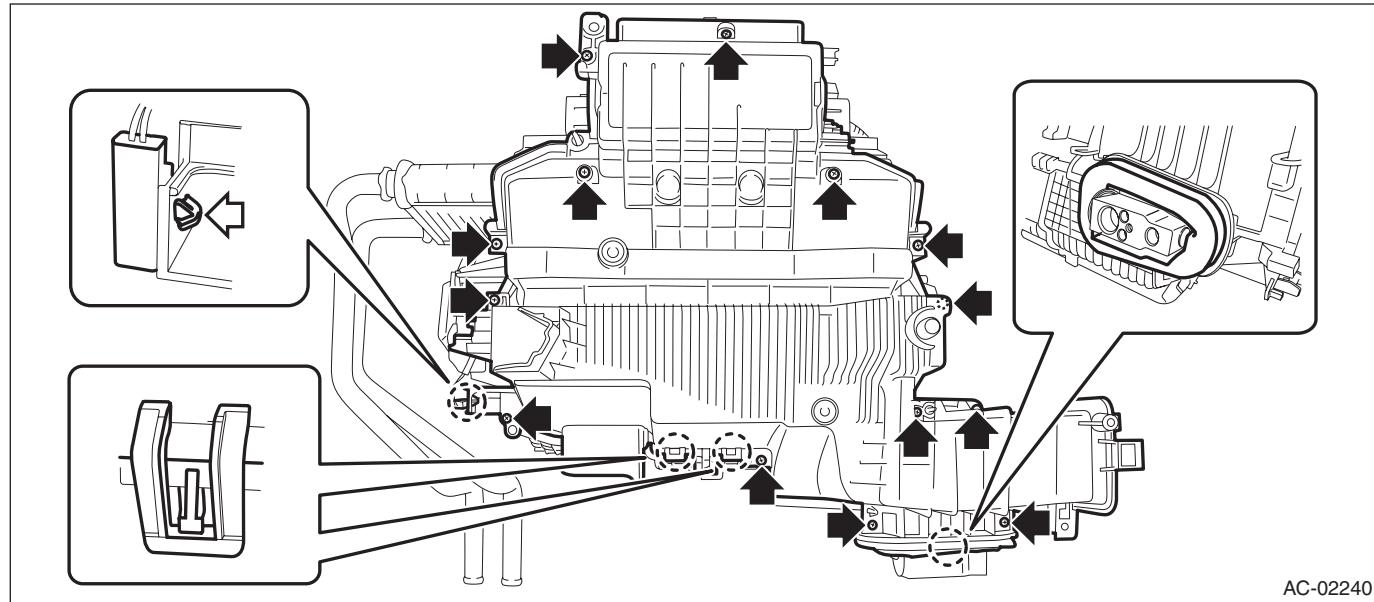
AC-02217

Evaporator

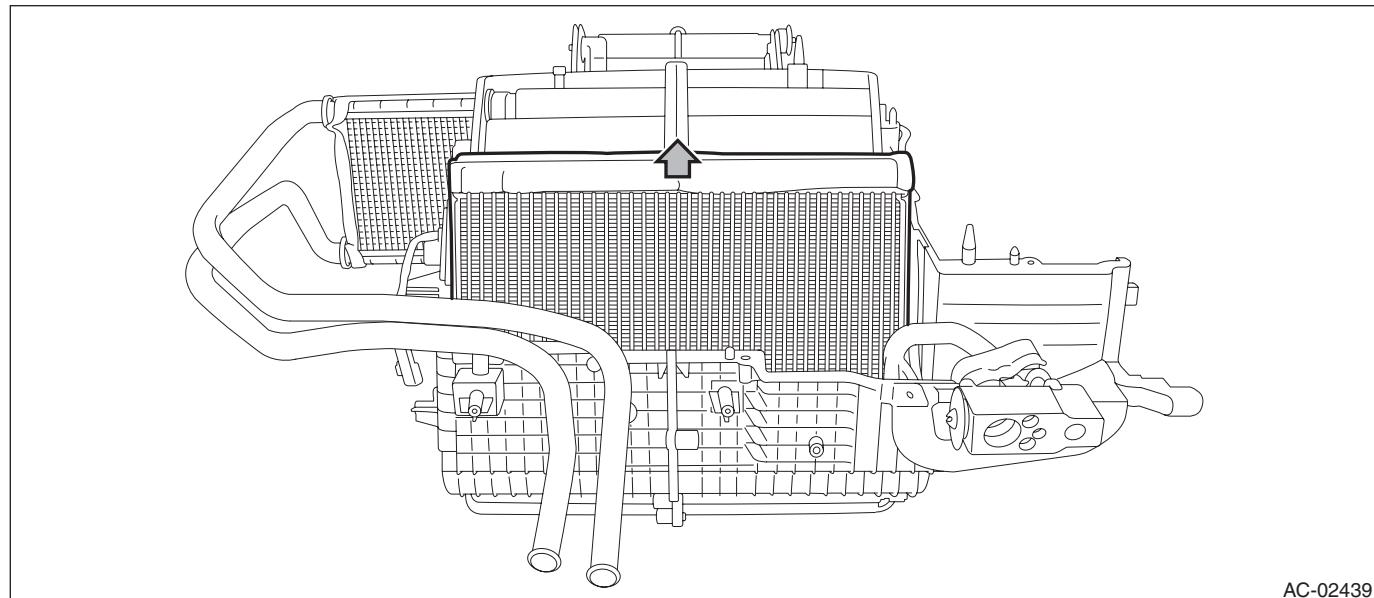
HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

14) 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.

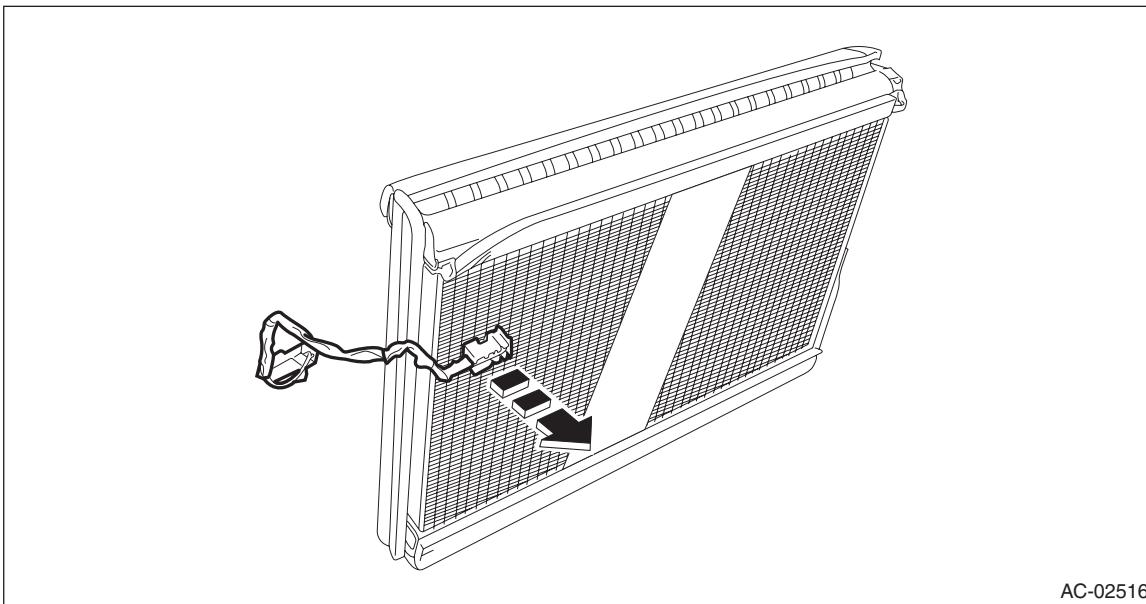


15) Remove the evaporator.



16) Remove the bolt and detach the expansion valve from the evaporator. <Ref. to AC-74, REMOVAL, Expansion Valve.>

- 17) Remove the evaporator sensor from the evaporator.



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 evaporator has been replaced, add an appropriate amount of compressor oil to the compressor. <Ref. to AC-33, ADJUSTMENT, Compressor Oil.>
- When the evaporator has been replaced, always replace the packing for expansion valve with a new one and apply the compressor oil on it.
- Make sure that the water seal packing on the cover attachment area is securely attached.
- Replace the O-rings with new parts, and then apply compressor oil.
- Install the evaporator sensor at the position shown in the figure below.

1) Install the evaporator sensor to the specified location. <Ref. to AC-87, INSTALLATION, Evaporator Sensor.>

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

NOTE:

Refer to "INSTALLATION" of "Instrument Panel Assembly". <Ref. to EI-96, INSTALLATION, Instrument Panel Assembly.>

3) Fill engine coolant.

• H4 model:<Ref. to CO(H4DO)-15, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

• H6 model:<Ref. to CO(H6DO)-12, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

4) Charge refrigerant. <Ref. to AC-27, PROCEDURE, Refrigerant Charging Procedure.>

Tightening torque:

Heater cooling unit:<Ref. to AC-5, HEATER COOLING UNIT, COMPONENT, General Description.>

Blower motor unit:<Ref. to AC-7, BLOWER MOTOR UNIT, COMPONENT, General Description.>

Air conditioning unit:<Ref. to AC-9, AIR CONDITIONING UNIT, COMPONENT, General Description.>

Engine control module (ECM): 7.5 N·m (0.76 kgf·m, 5.5 ft-lb)

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.