

# Heater and Cooling Unit

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

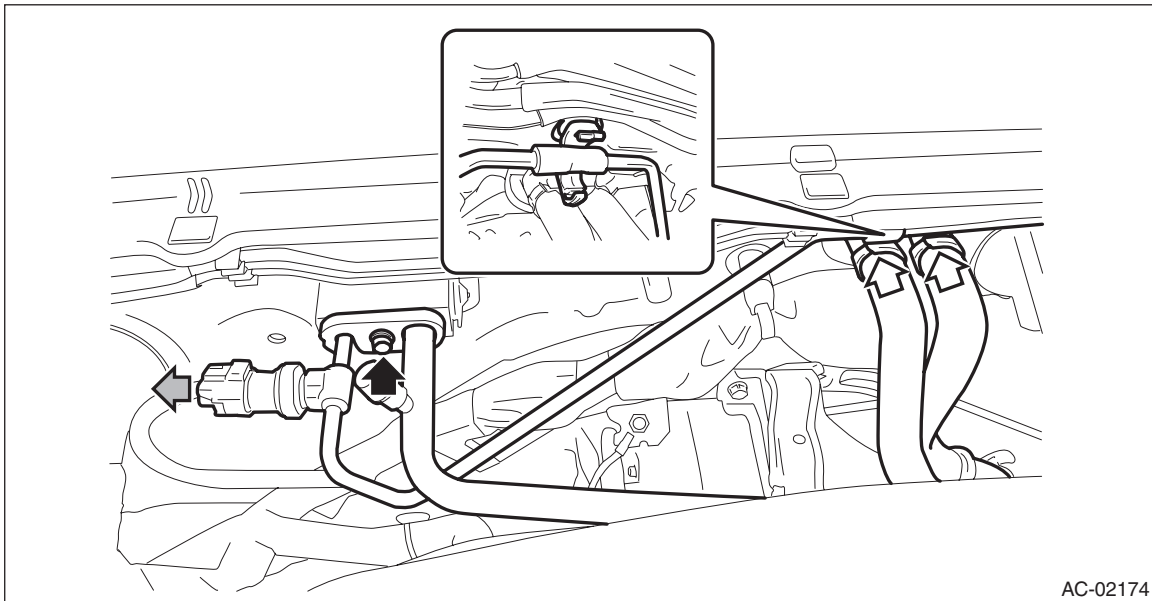
## 18.Heater and Cooling Unit

### 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.

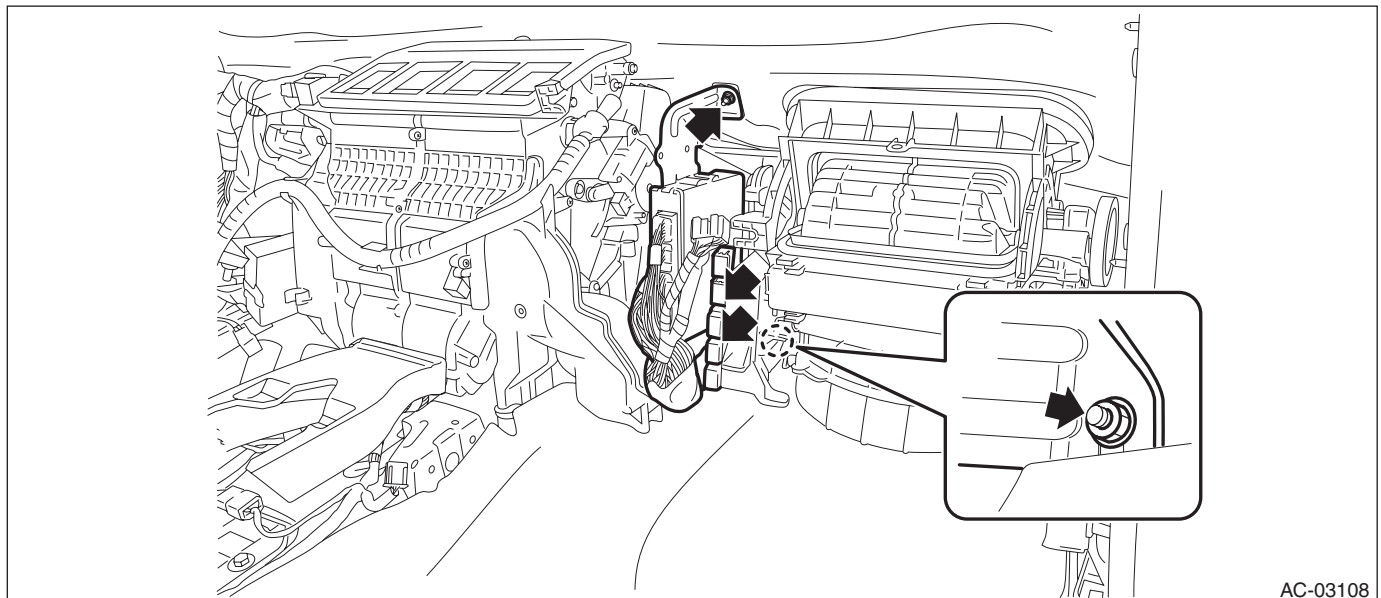
#### NOTE:

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



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- 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).



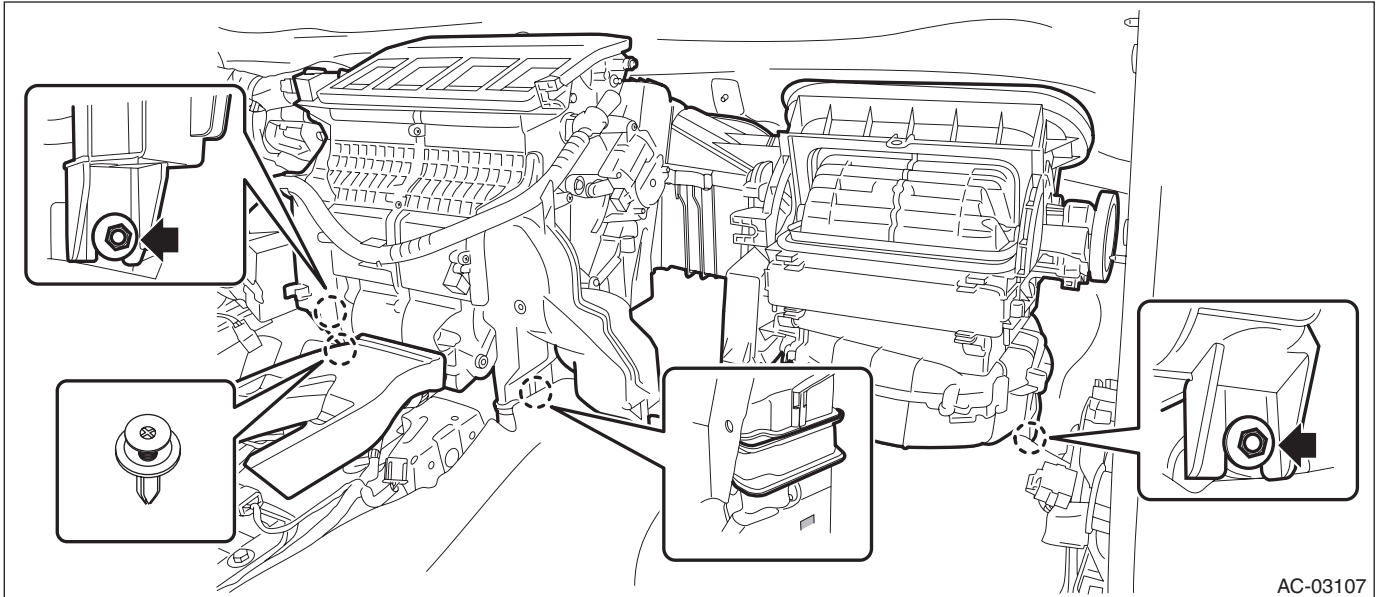
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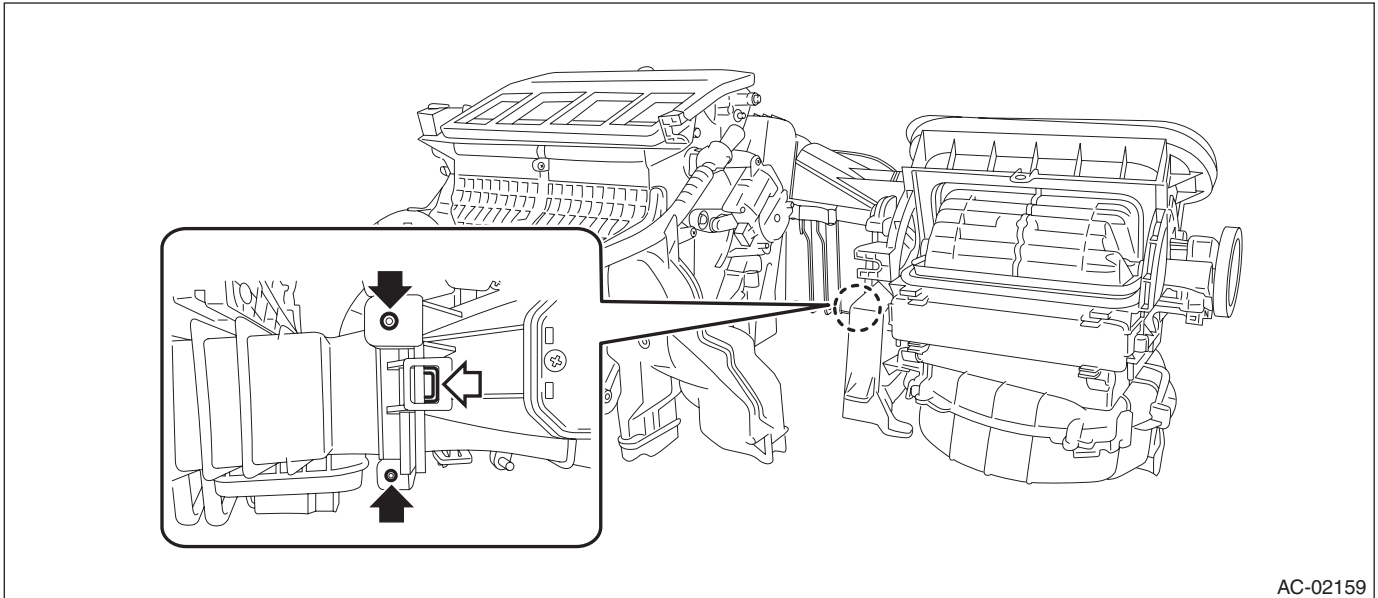
### 8) Remove the heater and cooling unit.

- (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.

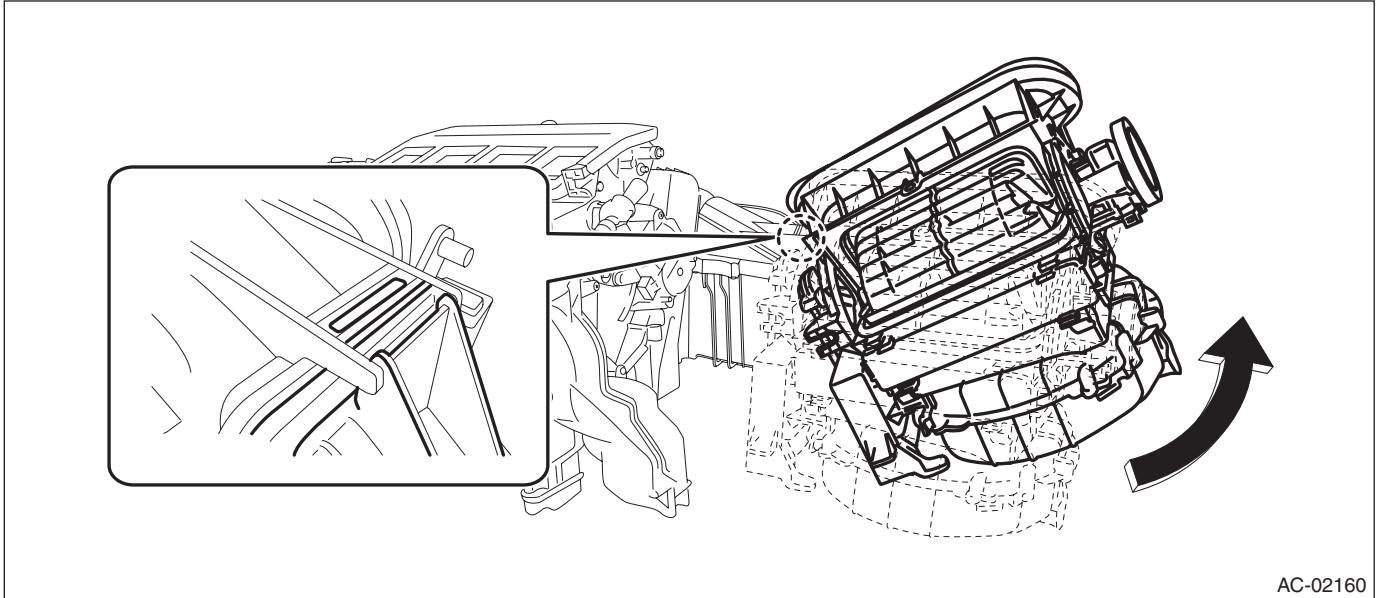
- (1) Release the claws and remove the bolts.



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



## B: INSTALLATION

### CAUTION:

- Do not start the engine before charging refrigerant.
- If the engine is started with no refrigerant charge, replace the compressor.
- Replace O-rings and pipe clamps with new parts and install securely.

1) 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.>

2) 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.>

3) 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.>

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