

17. Heater and Cooling Unit

A: REMOVAL

1) Disconnect the ground cable from battery. <Ref. to NT-5, BATTERY, NOTE, Note.>

NOTE:

For the 12 volt engine restart battery of HEV model, disconnect the ground terminal from 12V engine restart battery sensor.

2) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-28, PROCEDURE, Refrigerant Recovery Procedure.>

3) Drain the coolant from the radiator. <Ref. to CO(H4DO(w/o HEV))-16, DRAINING OF ENGINE COOL-ANT, REPLACEMENT, Engine Coolant.>

4) Remove the intake boot. (Gasoline engine model) <Ref. to IN(H4DO(w/o HEV))-12, REMOVAL, Air Intake Boot.>

CAUTION:

Move aside the intake boot to perform the operation without disconnecting the PCV hose.

5) Remove the air cleaner case. (HEV model) <Ref. to IN(H4DO(HEV))-6, REMOVAL, Air Cleaner Case.>

6) Remove the clips and bolts, and remove the hose - pressure suction and the pipe - evaporator cooling from the expansion valve - cooling.

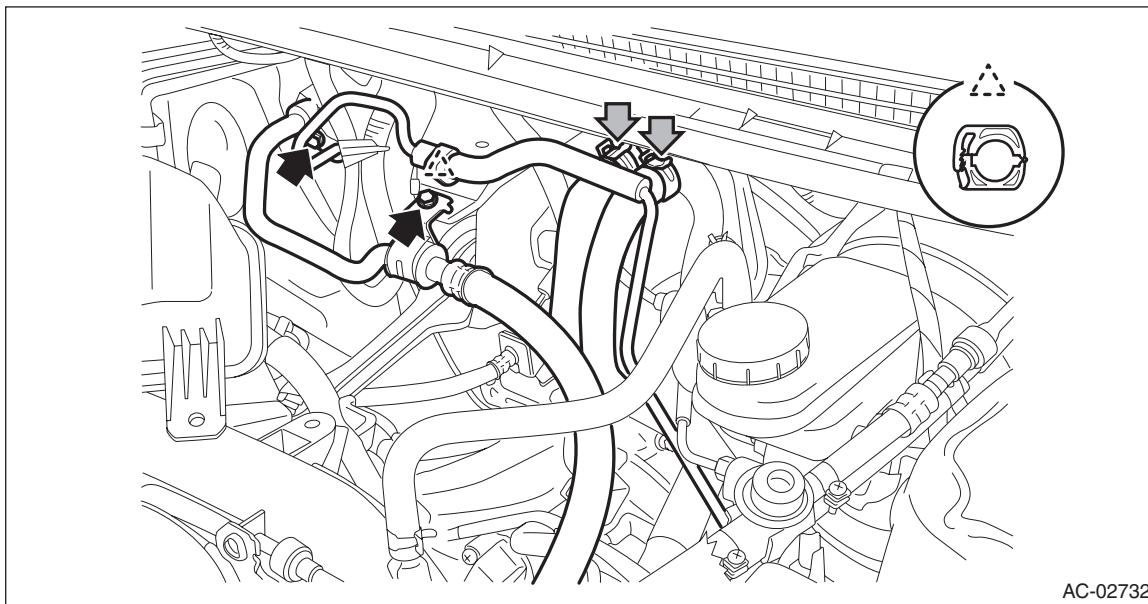
CAUTION:

Seal the disconnected hose and engaging part of expansion valve with a plug or vinyl tape to prevent foreign matter from entering.

7) Loosen the heater hose clamps and remove the hoses.

NOTE:

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



8) Remove the instrument panel assembly. <Ref. to EI-83, REMOVAL, Instrument Panel Assembly.>

9) Remove the engine control module (ECM).

- Gasoline engine model: <Ref. to FU(H4DO(w/o HEV))-100, REMOVAL, Engine Control Module (ECM).>

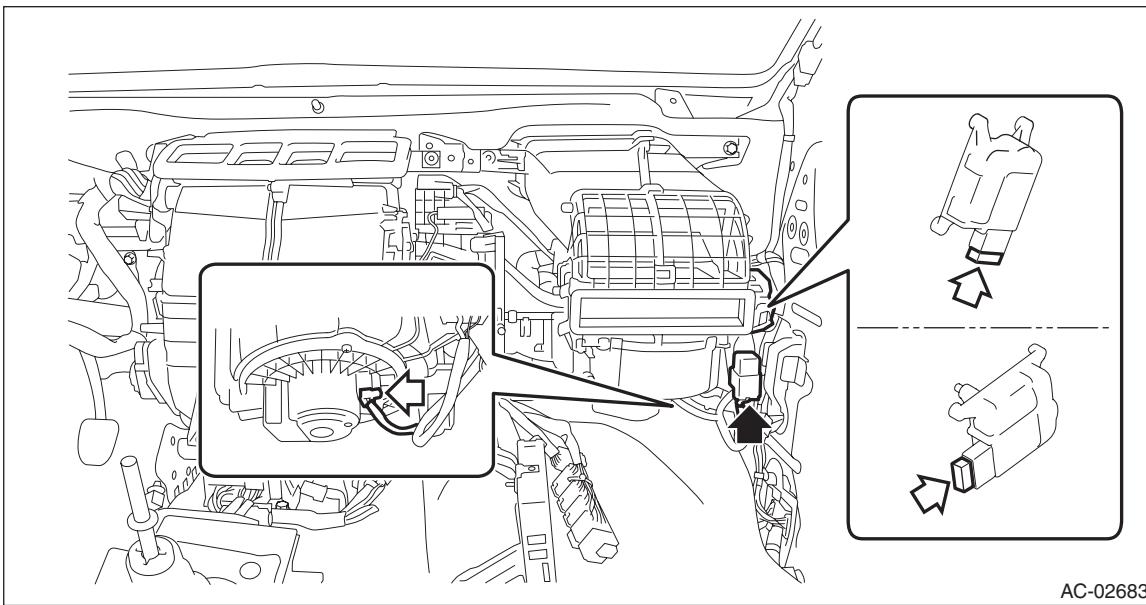
- HEV model: <Ref. to FU(H4DO(HEV))-85, REMOVAL, Engine Control Module (ECM).>

Heater and Cooling Unit

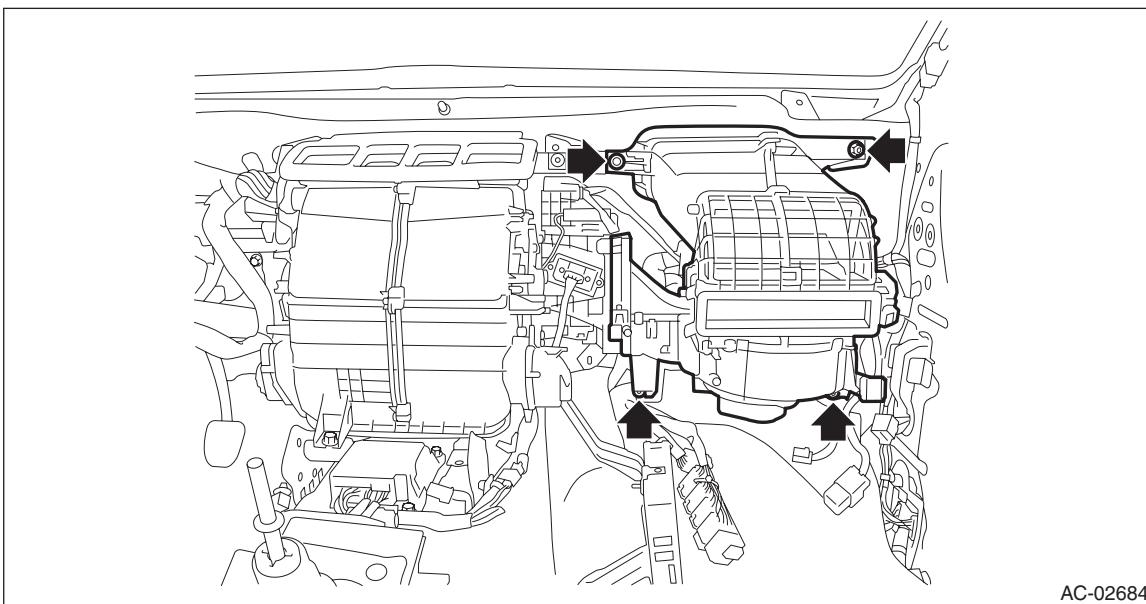
HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

10) Remove the blower motor unit assembly.

(1) Disconnect the blower motor relay and each connector.



(2) Remove the bolts and nuts to remove blower motor unit assembly.



Heater and Cooling Unit

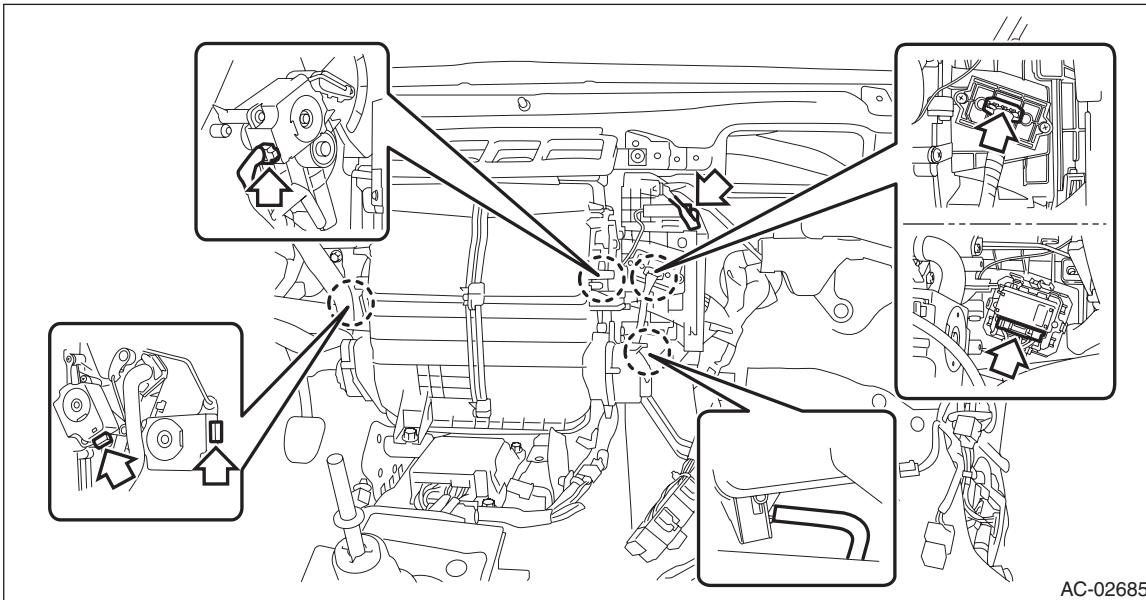
HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

11) Remove the heater and cooling unit assembly.

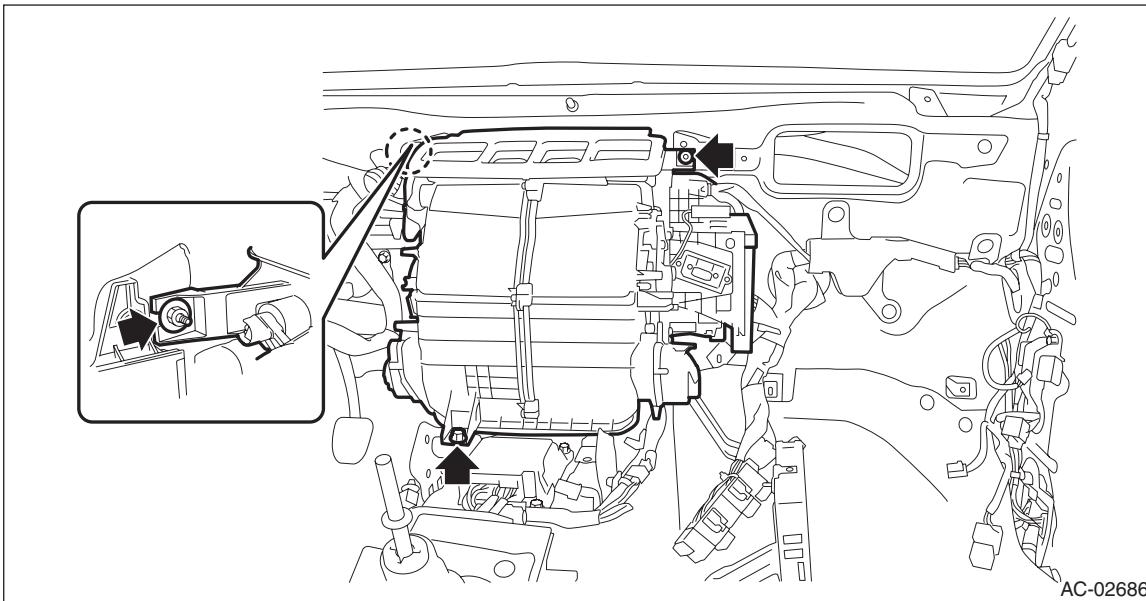
(1) Disconnect each connector and the hose - drain.

NOTE:

For HEV model, disconnect the heater core sensor connector.



(2) Remove the bolt and nuts, and remove the heater & cooling unit assembly.



B: INSTALLATION

CAUTION:

Replace the O-rings with new parts, and then apply compressor oil.

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

Tightening torque:

Heater and cooling unit: <Ref. to AC-6, HEATER AND COOLING UNIT, COMPONENT, General Description.>

Blower motor unit: <Ref. to AC-10, BLOWER MOTOR UNIT, COMPONENT, General Description.>

Air conditioning unit: <Ref. to AC-12, AIR CONDITIONING UNIT, COMPONENT, General Description.>

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

3) Charge refrigerant. <Ref. to AC-30, PROCEDURE, Refrigerant Charging Procedure.>