

17.Heater and Cooling Unit

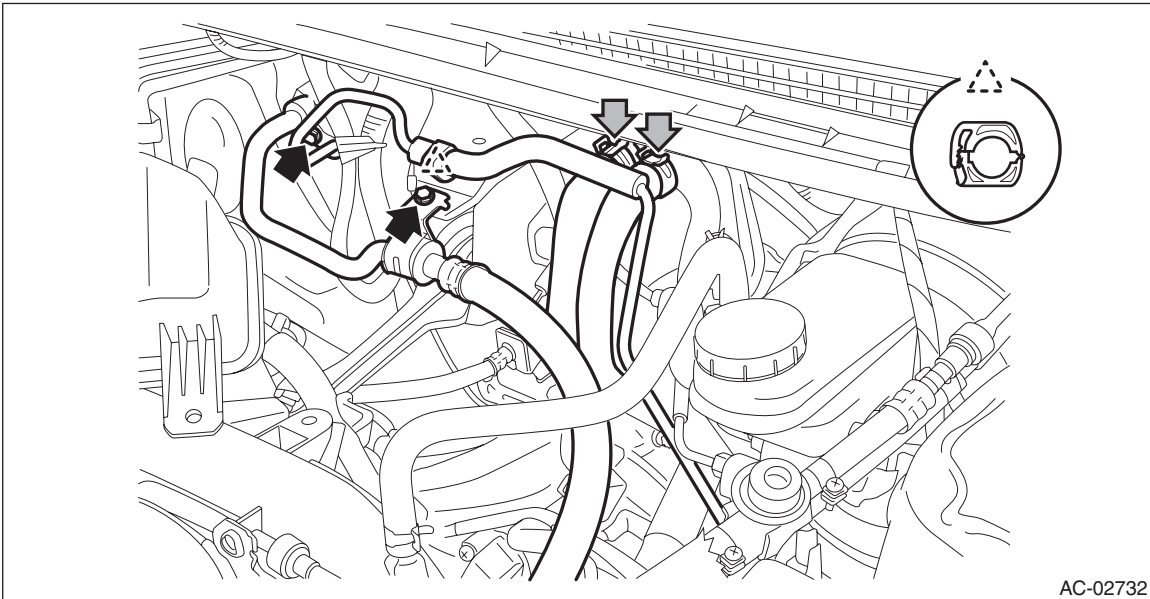
A: REMOVAL

- 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. <Ref. to CO(H4DO)-13, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- 4) Remove the intake boot. <Ref. to IN(H4DO)-12, REMOVAL, Air Intake Boot.>

CAUTION:

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

- 5) Remove the bolt, and remove the hose - pressure suction and the pipe - evaporator cooling from the expansion valve - cooling.
- 6) Loosen the heater hose clamps and remove the hoses.

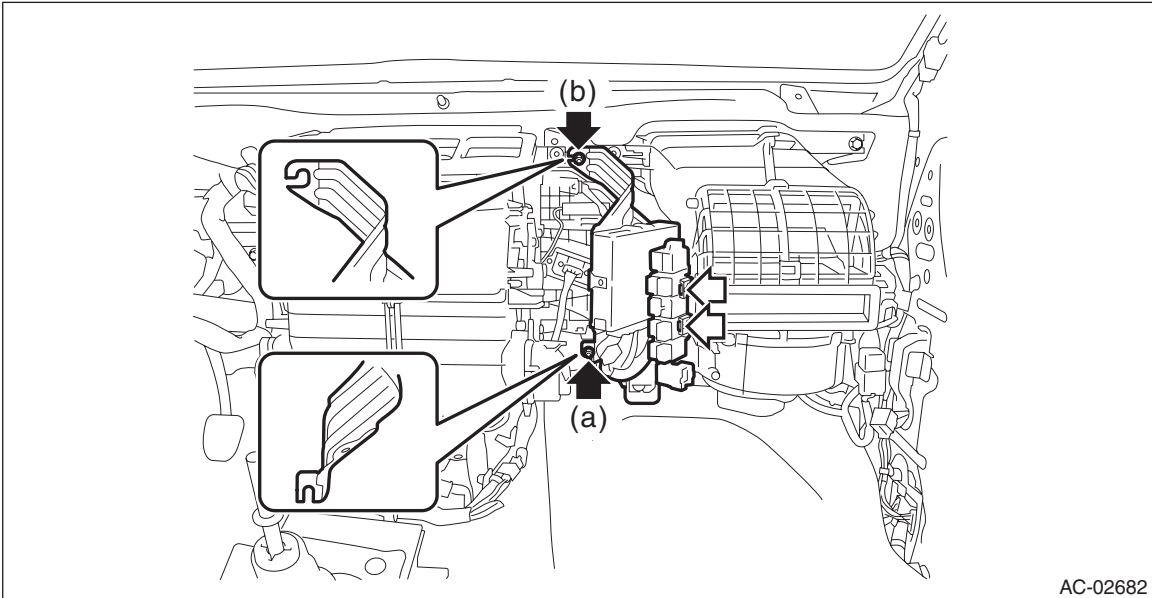


- 7) Remove the instrument panel assembly. <Ref. to EI-74, REMOVAL, Instrument Panel Assembly.>

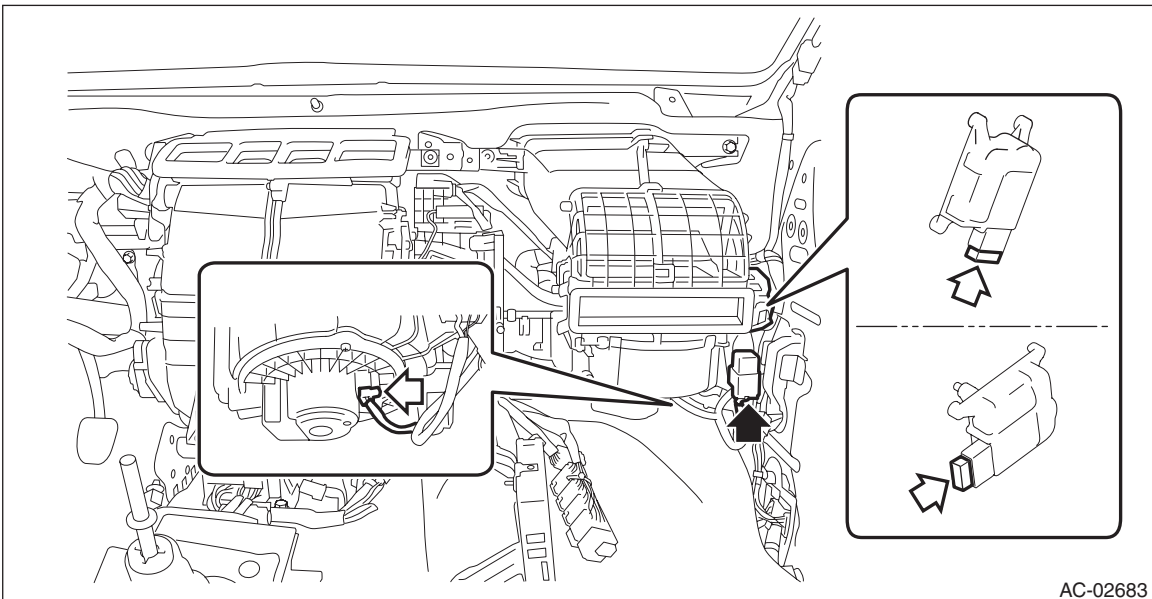
Heater and Cooling Unit

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

- 8) Remove the engine control module (ECM).
(1) Release the lock and remove the relay holder.
(2) Remove the nut (a).
(3) Loosen the bolt (b), and remove the engine control module (ECM).



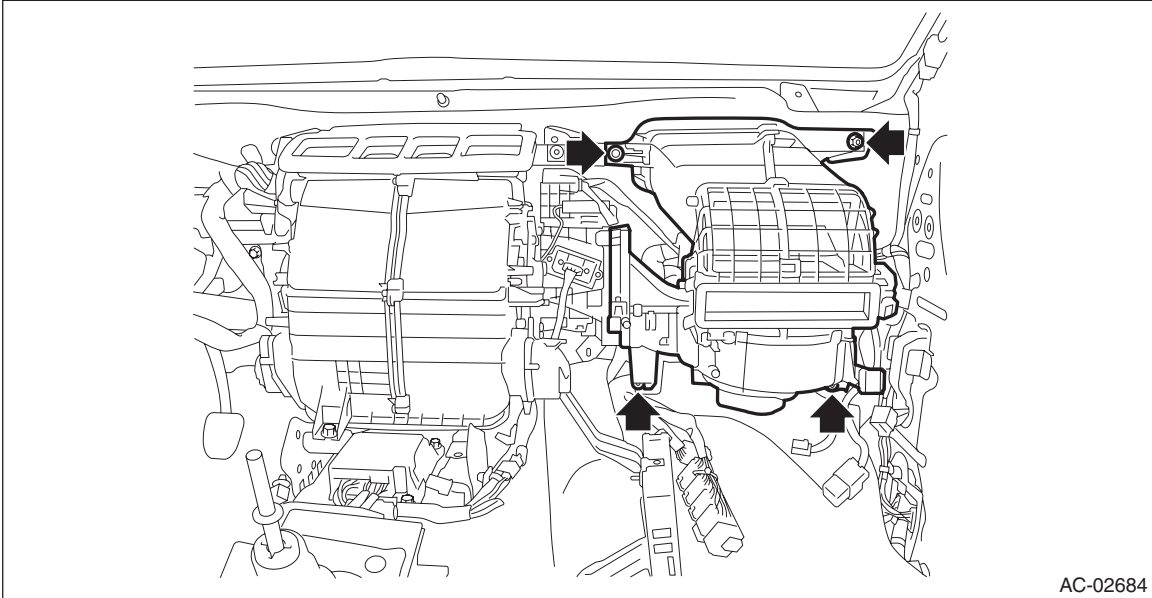
- 9) Remove the blower motor unit assembly.
(1) Disconnect the blower motor relay and each connector.



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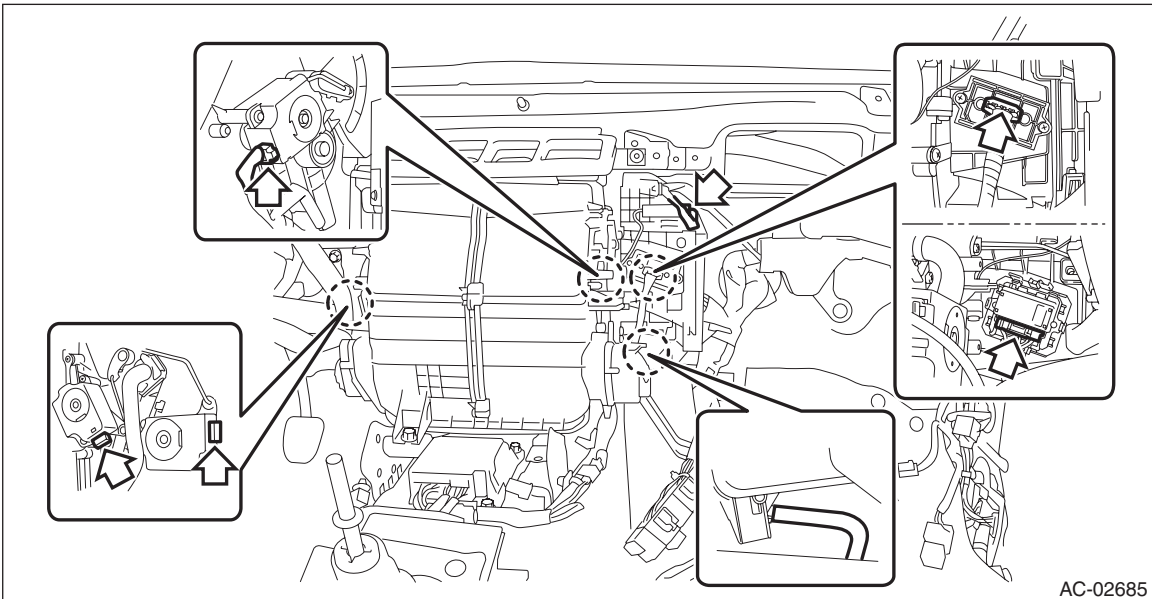
HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

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



- 10) Remove the heater and cooling unit assembly.

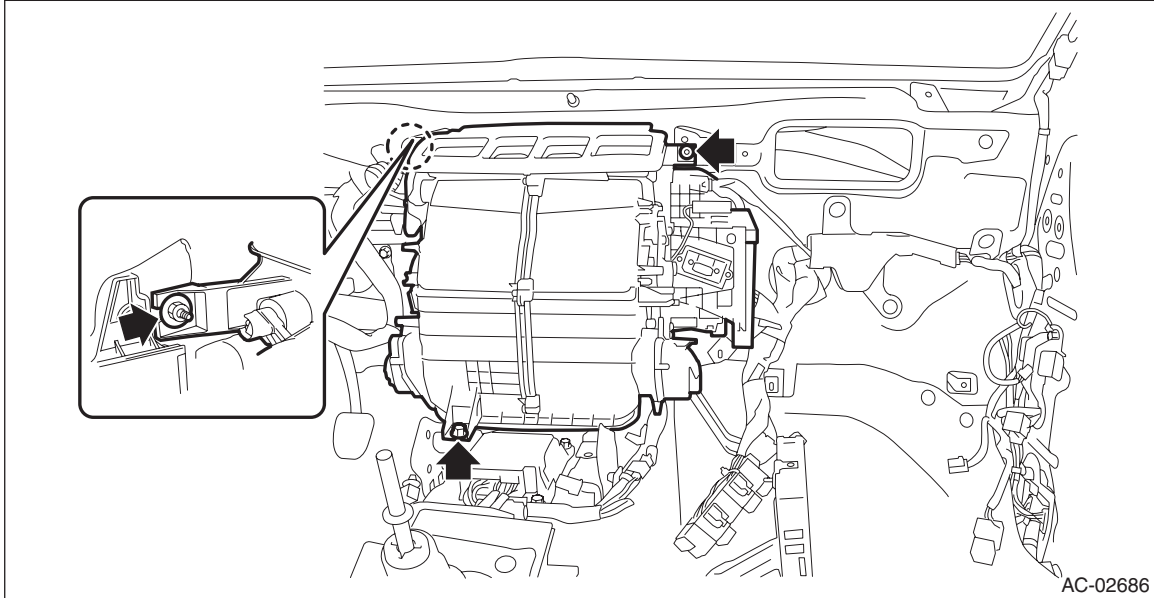
- (1) Disconnect each connector and the hose - drain.



Heater and Cooling Unit

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

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



B: INSTALLATION

CAUTION:

Replace O-rings 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-92, INSTALLATION, Instrument Panel Assembly.>

Tightening torque:

Heater 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.>

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

- 2) Fill engine coolant. <Ref. to CO(H4DO)-14, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

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