

17. Evaporator

A: REMOVAL

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

NOTE:

For models other than STI model, disconnect the ground terminal from battery sensor.

2) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-26, PROCEDURE, Refrigerant Recovery Procedure.>

3) Remove the intercooler.

- Except for STI model: <Ref. to IN(w/o STI)-38, REMOVAL, Intercooler.>
- STI model: <Ref. to IN(STI)-13, REMOVAL, Intercooler.>

4) Remove the expansion valve - cooling. <Ref. to AC-61, REMOVAL, Expansion Valve.>

5) Remove the glove box. <Ref. to EI-63, REMOVAL, Glove Box.>

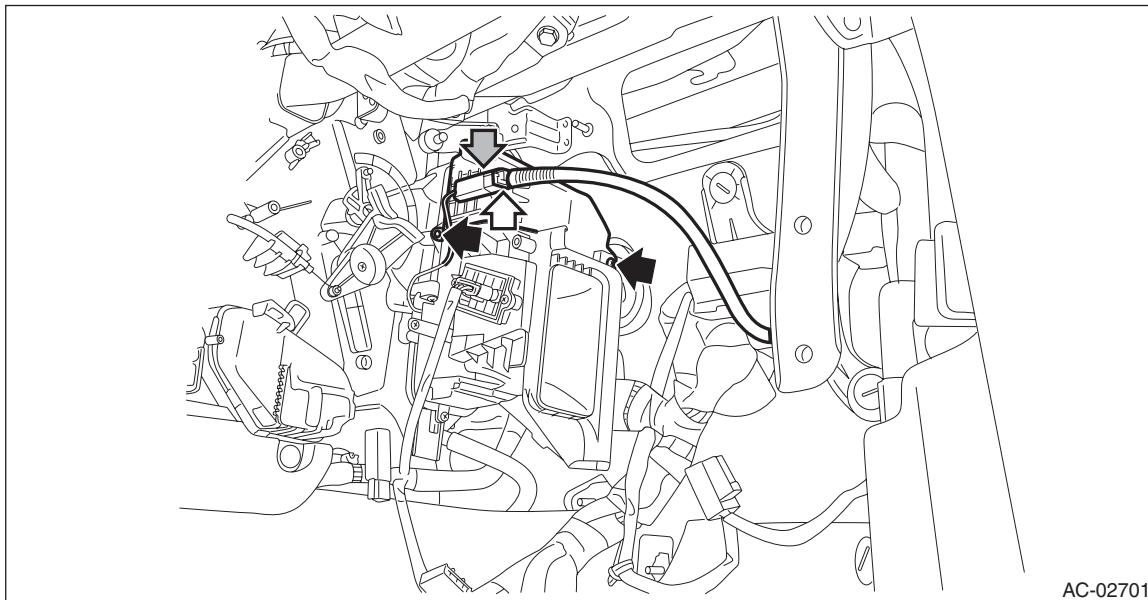
6) Remove the engine control module (ECM). (STI model) <Ref. to FU(STI)-56, REMOVAL, Engine Control Module (ECM).>

7) Remove the blower motor unit assembly. <Ref. to AC-35, REMOVAL, Blower Motor Unit Assembly.>

8) Remove the evaporator assembly - cooling.

(1) Disconnect the connector and lock of the thermostat - cooling.

(2) Remove the screws and detach the cover.

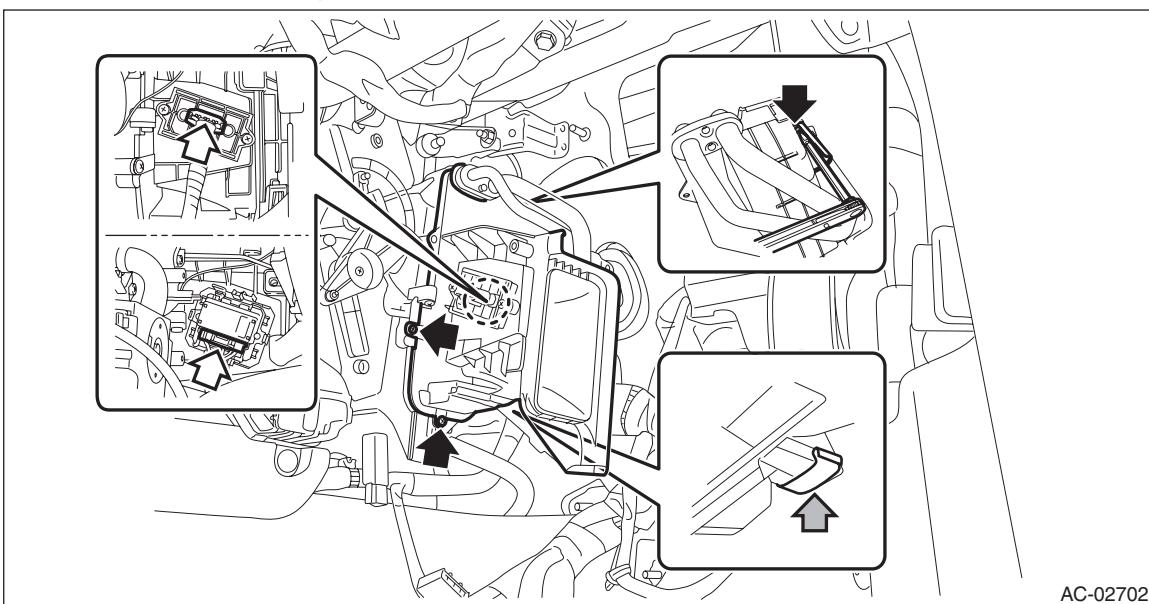


Evaporator

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

(3) Remove the cover - heater unit.

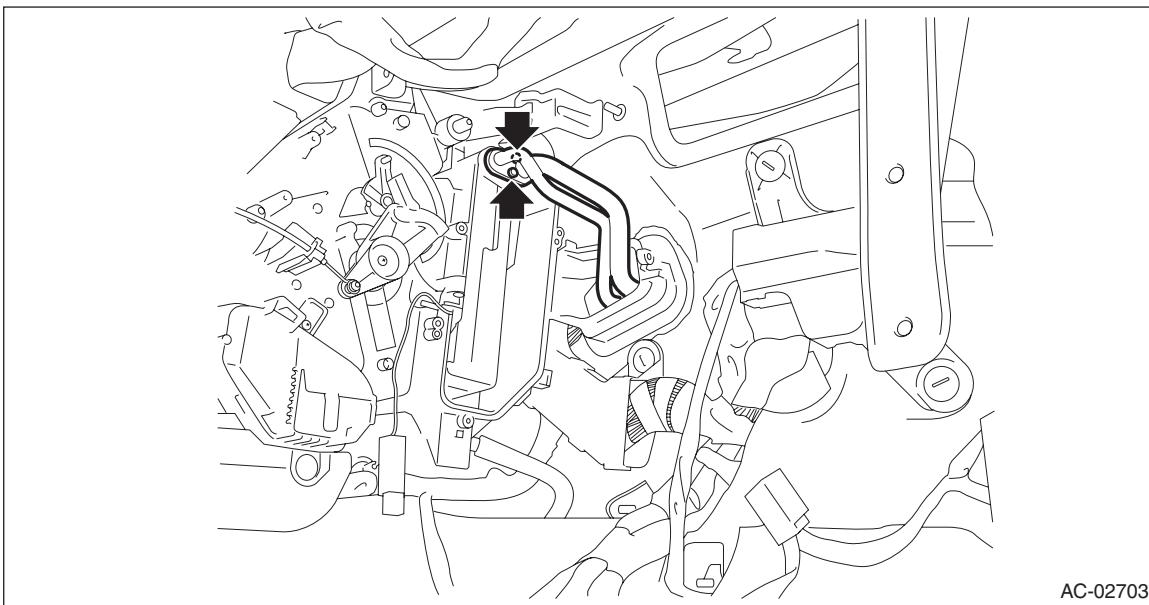
1. Disconnect the power transistor connector.
2. Remove the screws and clips to remove the cover - heater unit.



(4) Remove the bolt, and detach the pipe - evaporator core.

Preparation tool:

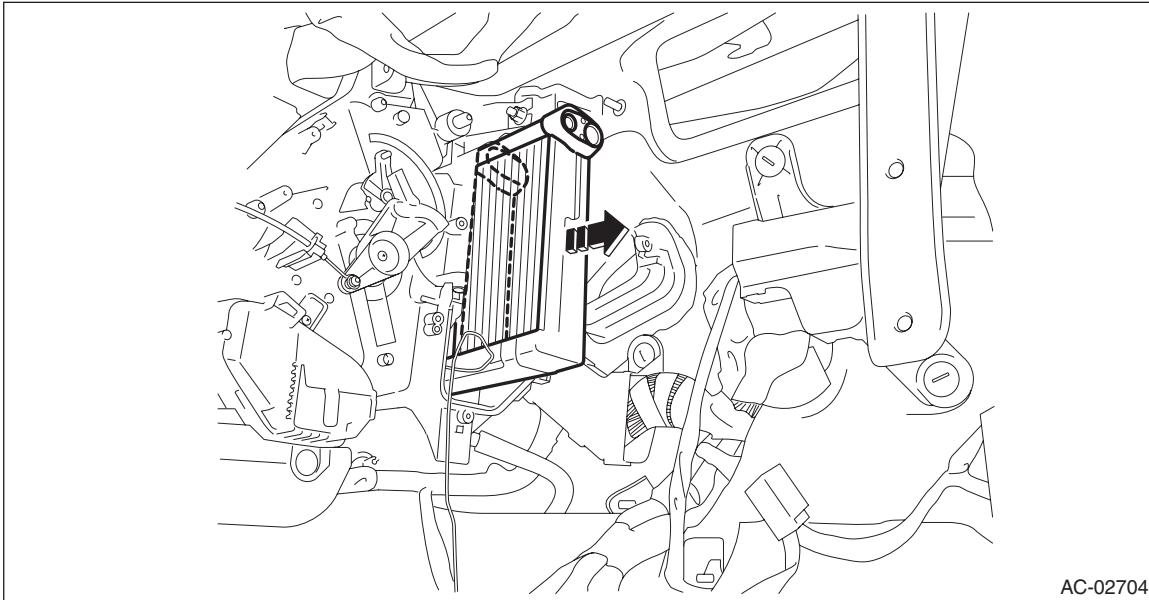
Hexagon wrench: 4 mm (0.16 in)



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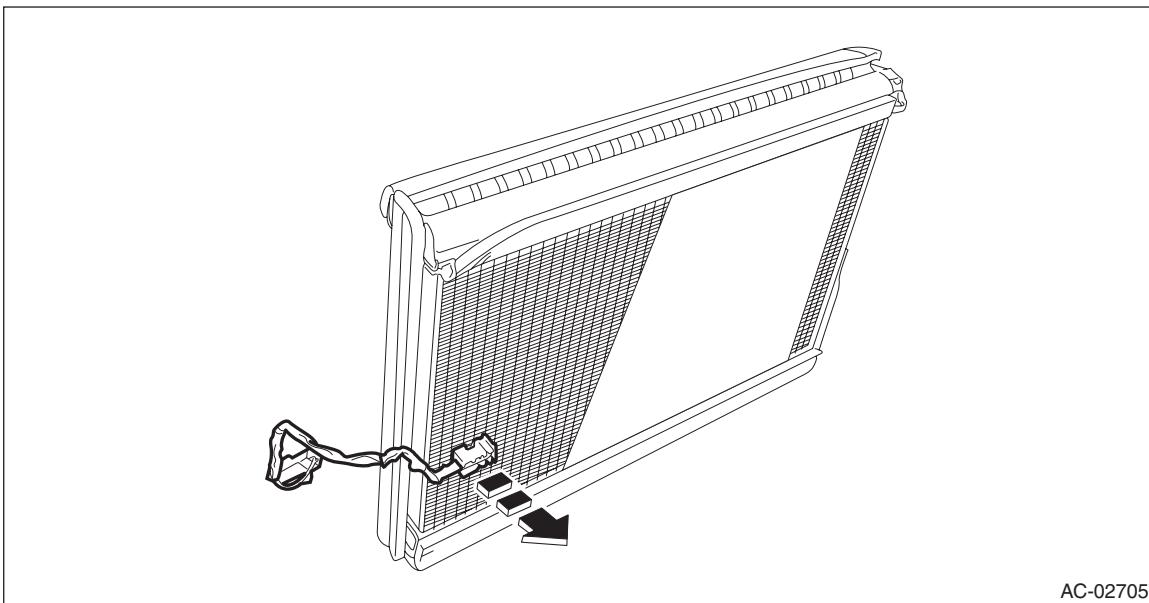
HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

(5) Remove the evaporator assembly - cooling.



AC-02704

(6) Remove the thermostat - cooling.



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HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

B: INSTALLATION

CAUTION:

- If the evaporator assembly - cooling has been replaced, add an appropriate amount of compressor oil. <Ref. to AC-34, ADJUSTMENT, Compressor Oil.>
- When the evaporator assembly - cooling has been replaced, replace the packing of the expansion valve - cooling with a new one, and then apply compressor oil.
- 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.
- After installing the grille assembly - ventilation RH, check that the air vent grille of the grille assembly - ventilation RH is inserted correctly into the air vent duct.

- 1) Install the thermostat - cooling. <Ref. to AC-81, INSTALLATION, Evaporator Sensor.>
- 2) Install the evaporator assembly - cooling.
- 3) Install the blower motor unit assembly.

Tightening torque:

7.5 N·m (0.8 kgf·m, 5.5 ft-lb)

- 4) Install the engine control module (ECM). (STI model) <Ref. to FU(STI)-56, INSTALLATION, Engine Control Module (ECM).>
- 5) Install the glove box.
- 6) Install the expansion valve. <Ref. to AC-62, INSTALLATION, Expansion Valve.>
- 7) Install the intercooler.
 - Except for STI model: <Ref. to IN(w/o STI)-41, INSTALLATION, Intercooler.>
 - STI model: <Ref. to IN(STI)-14, INSTALLATION, Intercooler.>
- 8) Connect the battery ground terminal. <Ref. to NT-5, BATTERY, NOTE, Note.>

NOTE:

For models other than STI model, connect the ground terminal to battery sensor.

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

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, replace the evaporator assembly - cooling.