

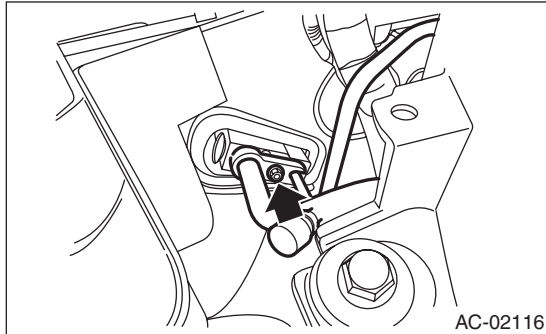
18. Evaporator

A: REMOVAL

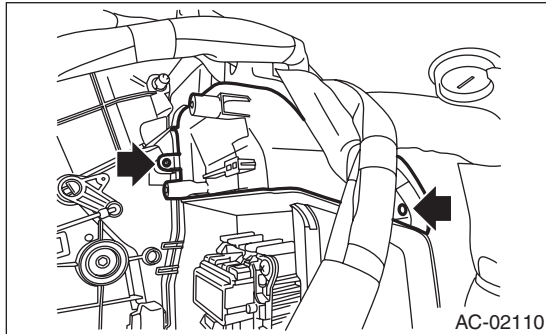
- 1) Disconnect the ground cable from battery.
- 2) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-19, PROCEDURE, Refrigerant Recovery Procedure.>
- 3) Remove the bolt and detach the pipe from the expansion valve.

CAUTION:

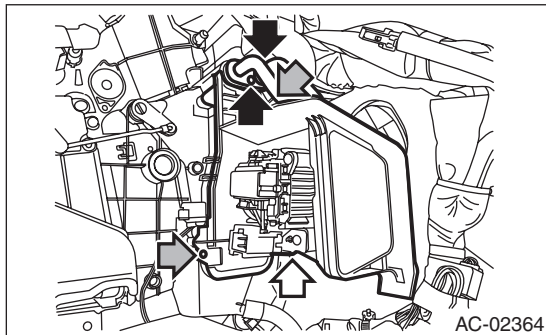
Seal the disconnected hose, pipe and engaging part of expansion valve with a plug or vinyl tape to prevent foreign matter from entering.



- 4) Remove the instrument panel lower. <Ref. to EI-54, INSTRUMENT PANEL LOWER, REMOVAL, Center Console.>
- 5) Remove the blower motor unit. <Ref. to AC-25, REMOVAL, Blower Motor Unit Assembly.>
- 6) Remove the screw and remove the evaporator pipe cover.



- 7) Remove the evaporator pipe mounting bolt, and evaporator cover mounting screw and clip.



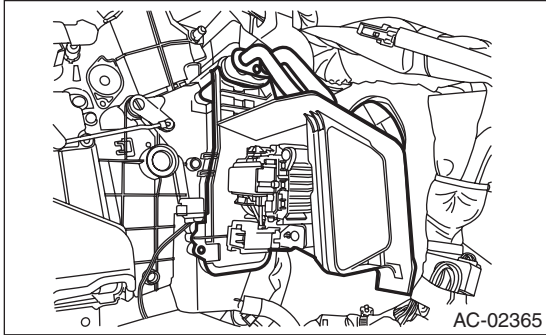
Evaporator

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

8) Remove the evaporator cover and evaporator pipe.

CAUTION:

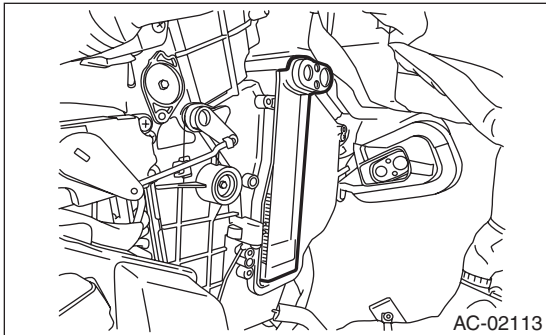
Since the evaporator cover and the evaporator pipe cannot be removed by itself, remove them as a unit.



(1) Disengage the evaporator and the pipe.

(2) Remove the evaporator pipe with the evaporator cover.

9) Remove the evaporator.

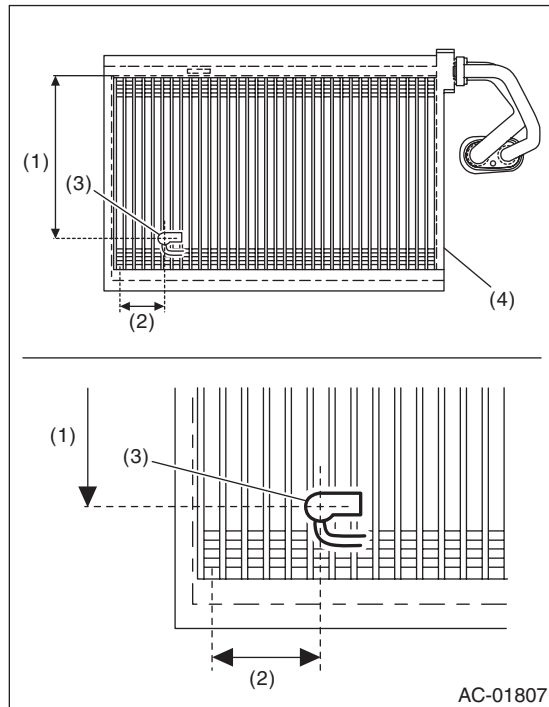


10) Remove the evaporator sensor from the evaporator.

B: INSTALLATION

CAUTION:

- Make sure that the water seal packing on the cover attachment area is securely attached.
- If the evaporator has been replaced, add an appropriate amount of compressor oil to the compressor. <Ref. to AC-24, ADJUSTMENT, Compressor Oil.>
- Install the sensor in the location shown in the figures below.



- (1) 148 mm (5.83 in) from the upper end of the fins
- (2) Sixth row fin from the left end
- (3) Sensor
- (4) Evaporator

- 1) Install each part in the reverse order of removal.
- 2) Charge refrigerant. <Ref. to AC-20, PROCEDURE, Refrigerant Charging Procedure.>

Tightening torque:

Refer to “COMPONENT” of “General Description”.

- Heater cooling unit: <Ref. to AC-4, HEATER COOLING UNIT, COMPONENT, General Description.>
- Blower motor unit: <Ref. to AC-6, BLOWER MOTOR UNIT, COMPONENT, General Description.>

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C: INSPECTION

1. EVAPORATOR

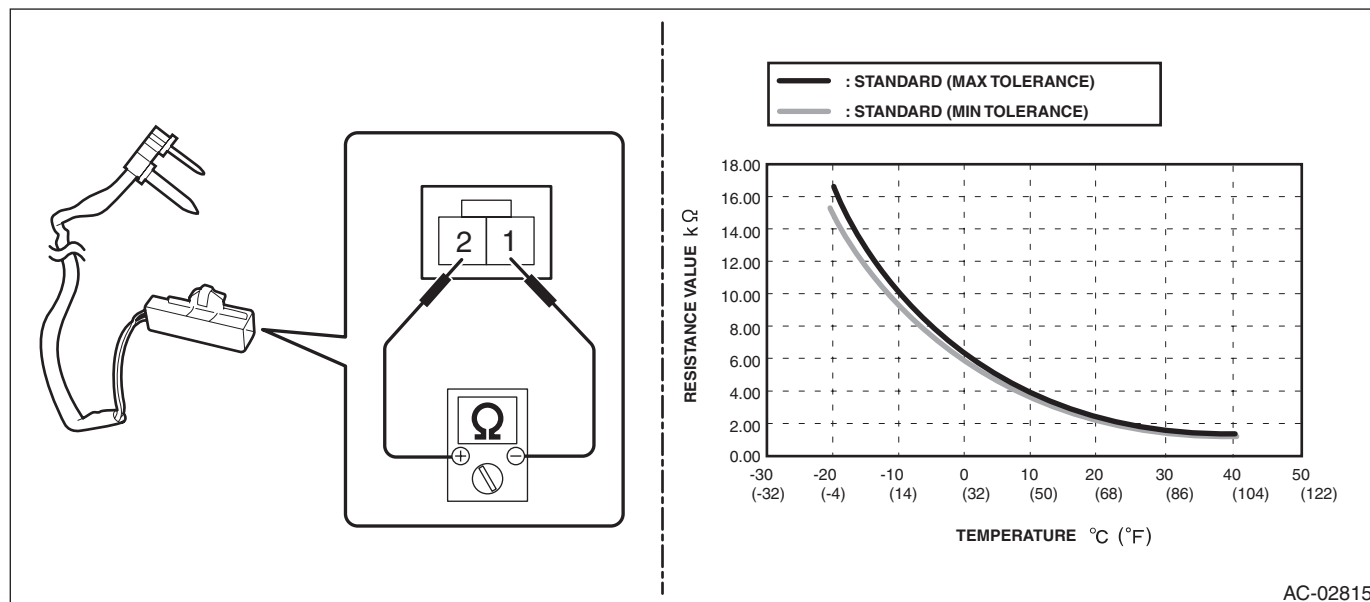
- 1) Check the evaporator fin for dust. Blow with compressed air or flush fins with water as needed.
- 2) If any oil leak is found from the evaporator, replace the evaporator.

2. EVAPORATOR SENSOR

UNIT INSPECTION

Preparation tool: Circuit tester

- 1) Check the resistance between evaporator sensor terminals.



Terminal No.	Inspection conditions	Standard
1 — 2	-20°C	15.37 — 16.62 kΩ
	-15°C	12.09 — 12.87 kΩ
	-10°C	9.576 — 10.05 kΩ
	-5°C	7.636 — 7.899 kΩ
	0°C	6.132 — 6.256 kΩ
	5°C	4.891 — 5.057 kΩ
	10°C	3.928 — 4.113 kΩ
	15°C	3.174 — 3.366 kΩ
	20°C	2.581 — 2.77 kΩ
	25°C	2.111 — 2.292 kΩ
	30°C	1.737 — 1.907 kΩ
	35°C	1.437 — 1.595 kΩ
	40°C	1.195 — 1.34 kΩ

- 2) Replace the evaporator sensor if the inspection result is not within the standard value.