

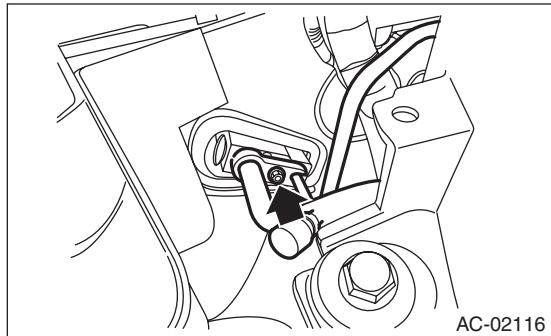
### 18. Evaporator

#### A: REMOVAL

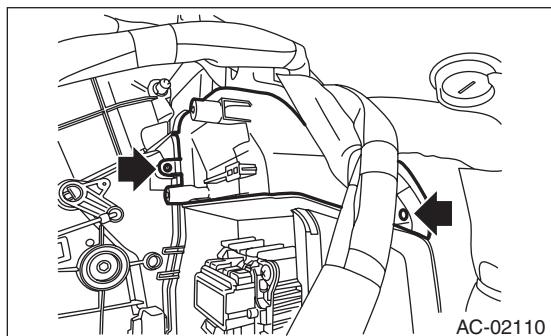
- 1) Disconnect the ground cable from battery.
- 2) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-19, PROCEDURE, Refrigerant Recovery Procedure.>
- 3) Remove the bolt and detach the pipe from the expansion valve.

**CAUTION:**

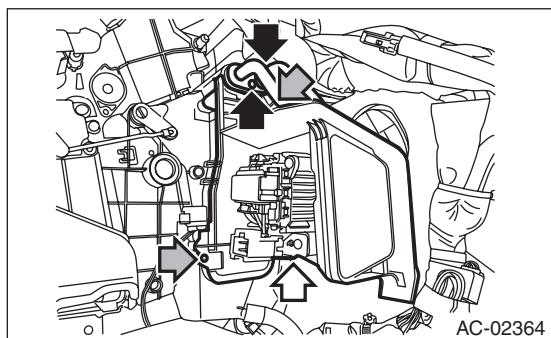
**Seal the disconnected hose, pipe and engaging part of expansion valve with a plug or vinyl tape to prevent foreign matter from entering.**



- 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.



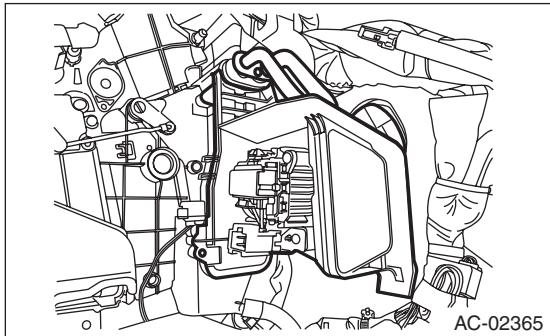
## Evaporator

### HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

8) Remove the evaporator cover and evaporator pipe.

**CAUTION:**

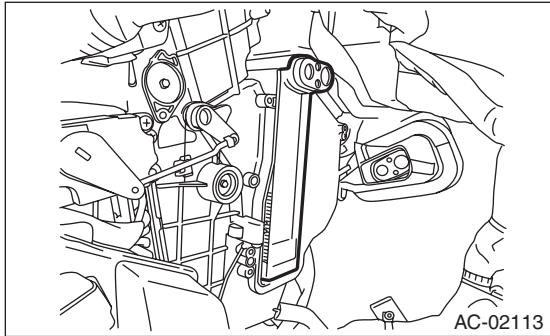
**Since the evaporator cover and the evaporator pipe cannot be removed by itself, remove them as a unit.**



(1) Disengage the evaporator and the pipe.

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

9) Remove the evaporator.

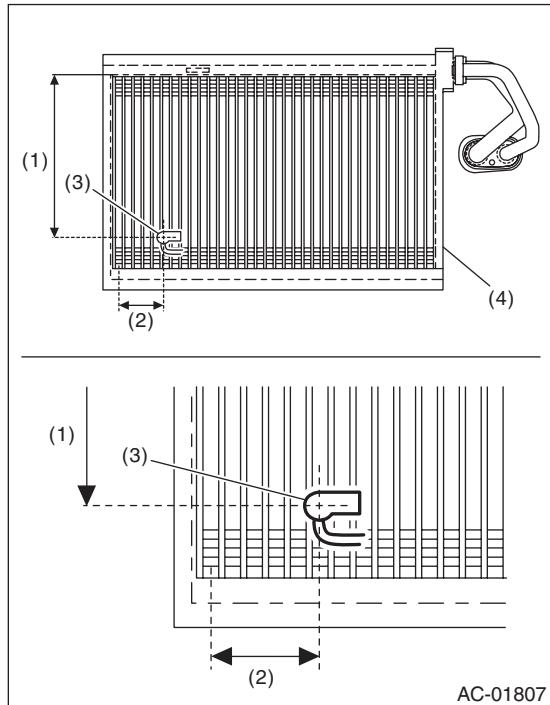


10) Remove the evaporator sensor from the evaporator.

## 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.>

# Evaporator

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

## C: INSPECTION

### 1. EVAPORATOR

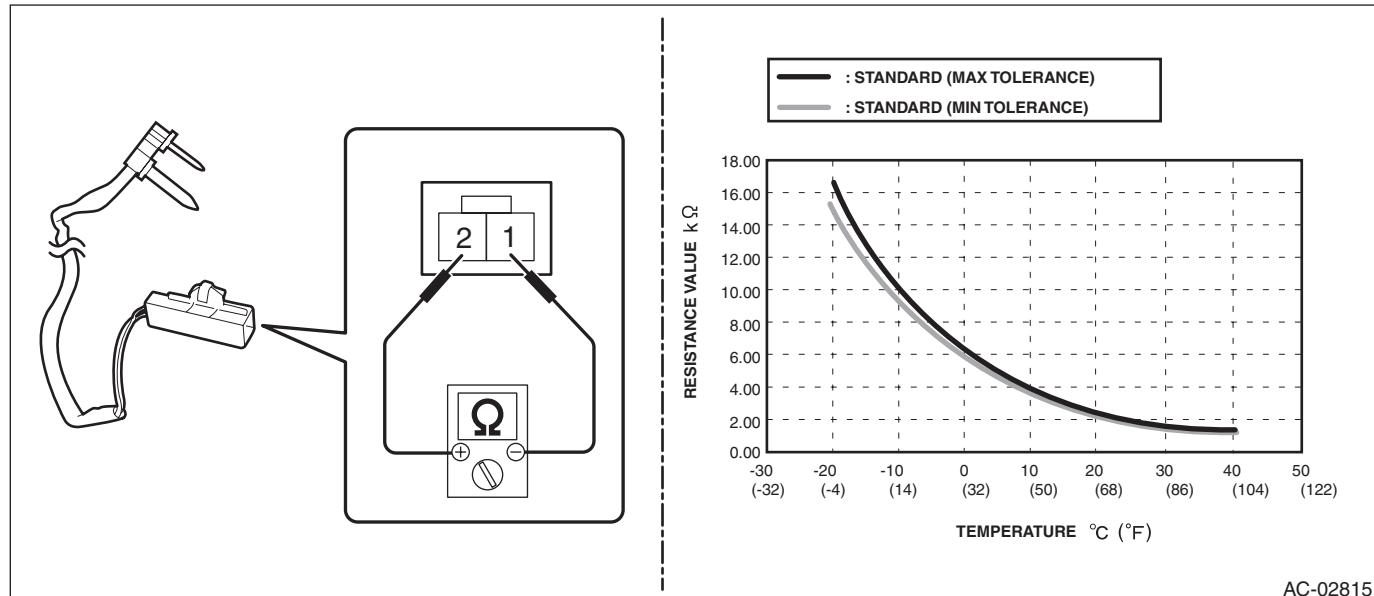
- 1) Check the evaporator fin for dust. Blow with compressed air or flush fins with water as needed.
- 2) If any oil leak is found from the evaporator, replace the evaporator.

### 2. EVAPORATOR SENSOR

#### UNIT INSPECTION

**Preparation tool: Circuit tester**

- 1) Check the resistance between evaporator sensor terminals.



AC-02815

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.