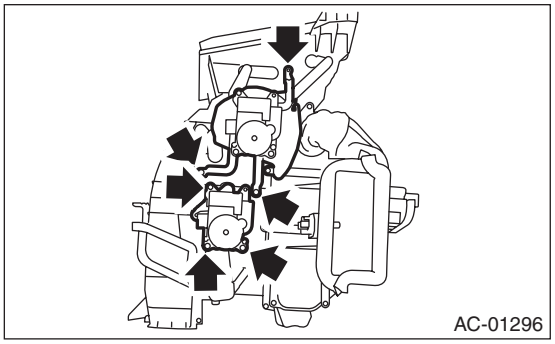
17.Evaporator

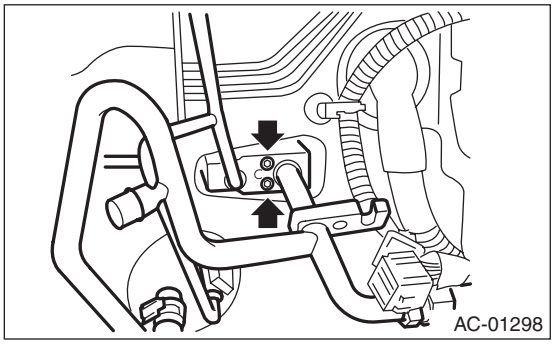
A: REMOVAL

1. FRONT

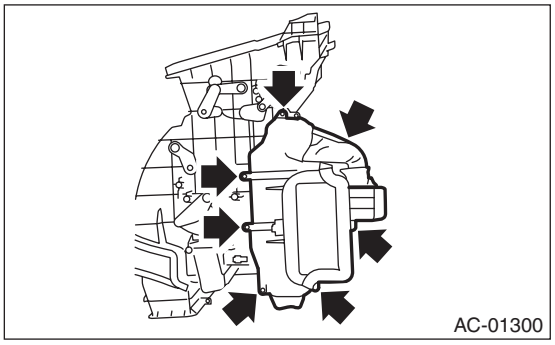
1) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-20, PROCEDURE, Refrigerant Recovery Procedure.>
2) Disconnect the ground cable from battery.
3) Remove the blower motor unit assembly. <Ref. to AC-26, REMOVAL, Blower Motor Unit Assembly.>
4) Disconnect the connector, remove the screw and then remove the air-mix door actuator and mode door actuator.


AC-01296

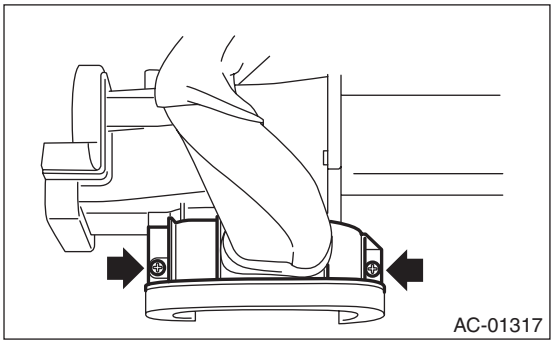
5) Remove the bolts holding the expansion valve, and remove the expansion valve.


AC-01298

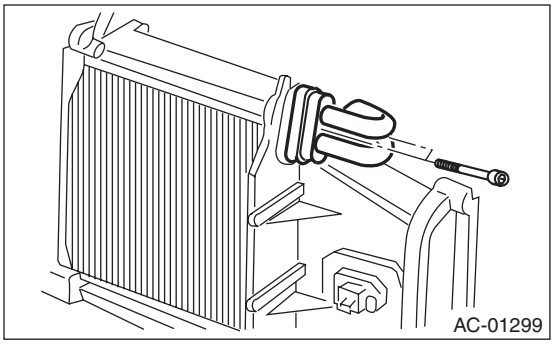
6) Remove the screws and pull out the evaporator.


AC-01300

7) Remove the pipe cover from the evaporator.

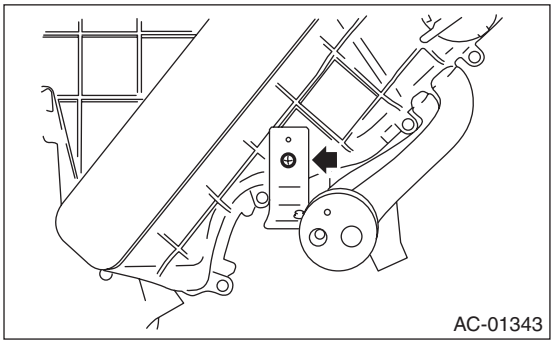

AC-01317

8) Remove the bolt which holds the pipe to evaporator, and remove the evaporator.

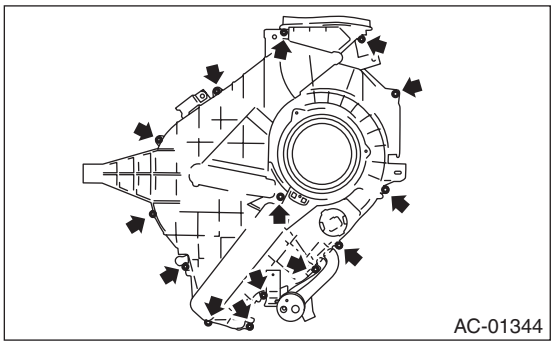

AC-01299

2. REAR

1) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-20, PROCEDURE, Refrigerant Recovery Procedure.>
2) Disconnect the ground cable from battery.
3) Remove the rear cooler unit. <Ref. to AC-35, REAR, REMOVAL, Heater and Cooling Unit.>
4) Remove the pipe bracket bolts and remove the bracket.


AC-01343

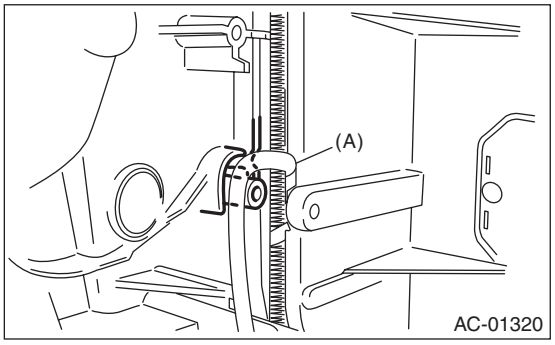
5) Remove the screws, and then remove the cooler unit.



6) Remove from the cooler unit and disconnect the pipe from the evaporator.

B: INSTALLATION

CAUTION:
• If the evaporator has been replaced, add an appropriate amount of compressor oil to the compressor. <Ref. to AC-25, ADJUSTMENT, Compressor Oil.>
• Replace the O-rings on hoses and pipes with new parts, and then apply compressor oil.
• Route the cord (A) of the evaporator through the location shown on the illustration.



(A) Cord

Install in the reverse order of removal.

C: INSPECTION

1. EVAPORATOR

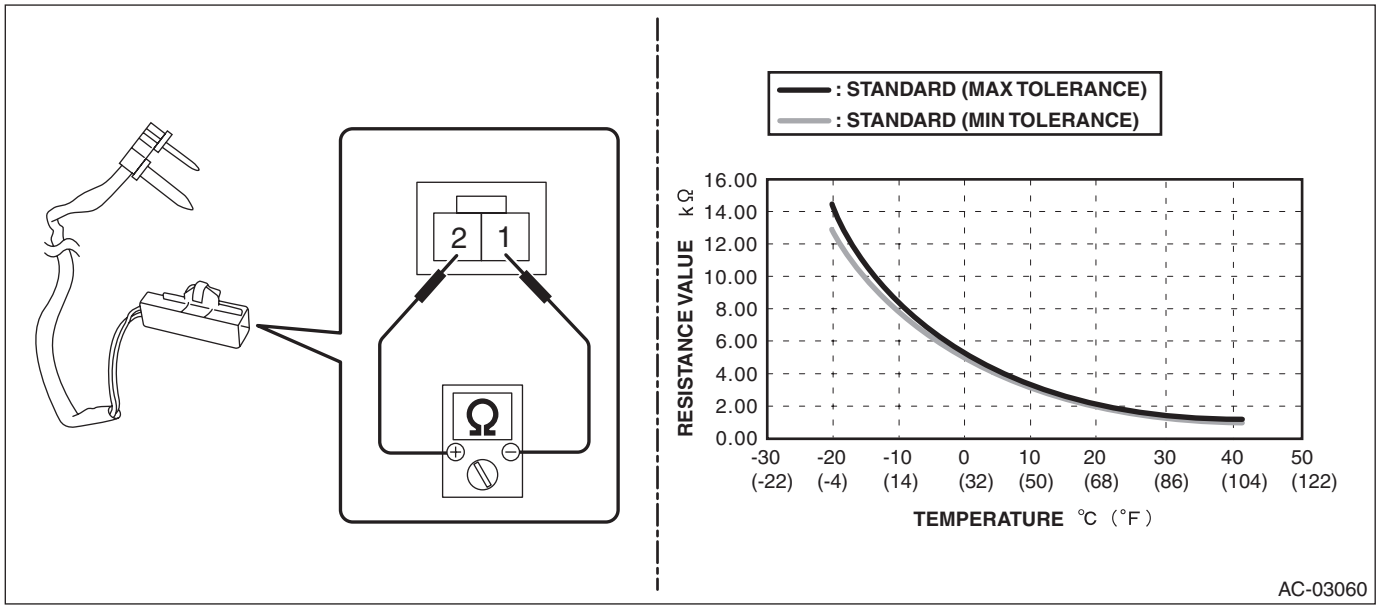
1) Check the evaporator fin for dust. Blow with compressed air or flush fins with water as needed.
2) If any oil leak is found from the evaporator, replace the evaporator.

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	13.584 — 14.541 kΩ
	-15°C	10.34 — 10.946 kΩ
	-10°C	7.938 — 8.313 kΩ
	-5°C	6.143 — 6.366 kΩ
	0°C	4.79 — 4.914 kΩ
	5°C	3.718 — 3.829 kΩ
	10°C	2.889 — 3.031 kΩ
	15°C	2.247 — 2.435 kΩ
	20°C	1.785 — 1.952 kΩ
	25°C	1.427 — 1.574 kΩ
	30°C	1.149 — 1.278 kΩ
	35°C	0.931 — 1.044 kΩ
	40°C	0.759 — 0.858 kΩ

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