

19. Expansion Valve

A: REMOVAL

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

NOTE:

For the 12 volt engine restart battery of HEV model, disconnect the ground terminal from 12V engine restart battery sensor.

2) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-28, PROCEDURE, Refrigerant Recovery Procedure.>

3) Remove the intake boot. (Gasoline engine model) <Ref. to IN(H4DO(w/o HEV))-12, REMOVAL, Air Intake Boot.>

CAUTION:

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

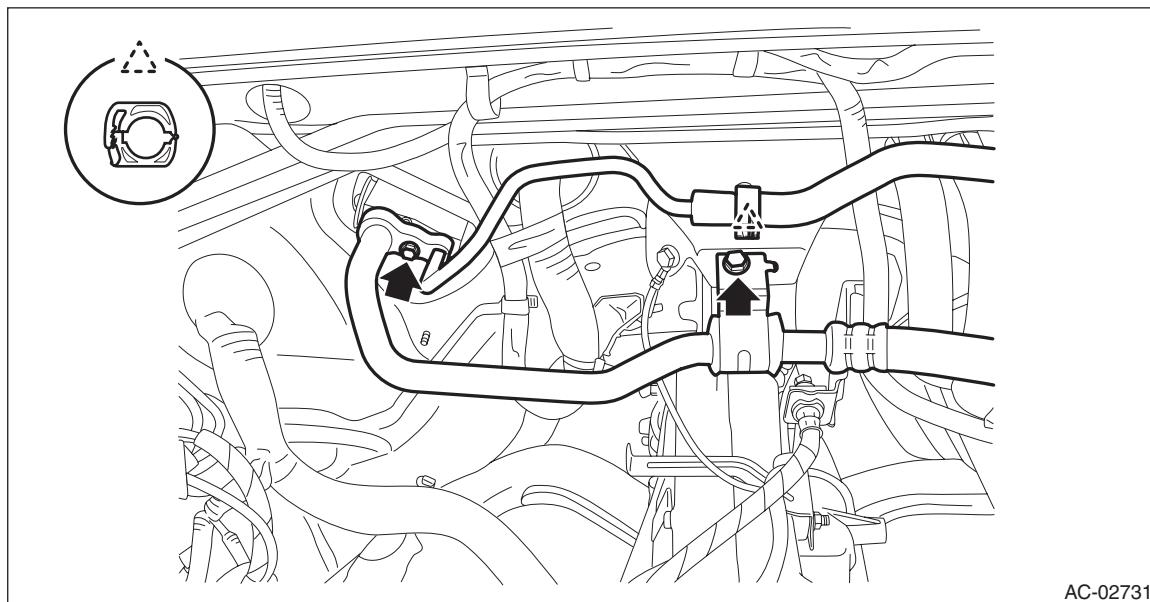
4) Remove the air cleaner case. (HEV model) <Ref. to IN(H4DO(HEV))-6, REMOVAL, Air Cleaner Case.>

5) Remove the expansion valve - cooling.

(1) Remove the clips and bolts, and detach the hose - pressure suction and the pipe - evaporator cooling.

CAUTION:

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



Expansion Valve

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

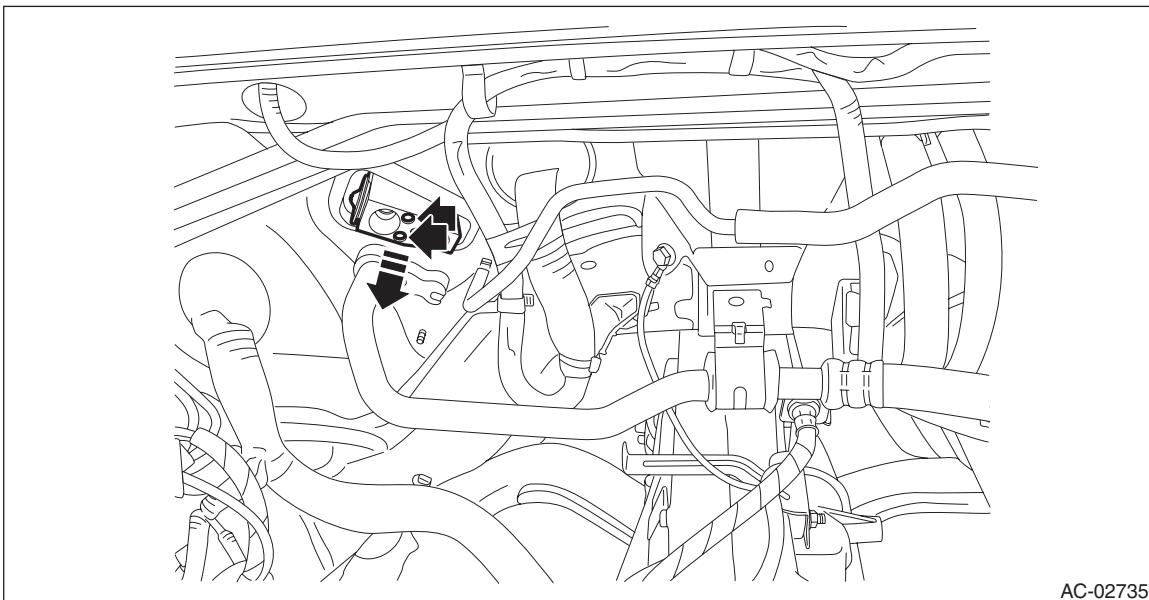
(2) Remove the bolt, and remove the expansion valve - cooling.

CAUTION:

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

Preparation tool:

Hexagon wrench: 4 mm (0.16 in)



B: INSTALLATION

CAUTION:

Replace the O-rings with new parts, and then apply compressor oil.

1) Install each part in the reverse order of removal.

Tightening torque:

Heater and cooling unit: <Ref. to AC-6, HEATER AND COOLING UNIT, COMPONENT, General Description.>

Air conditioning unit: <Ref. to AC-12, AIR CONDITIONING UNIT, COMPONENT, General Description.>

2) Charge refrigerant. <Ref. to AC-30, PROCEDURE, Refrigerant Charging Procedure.>