

Expansion Valve

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

19.Expansion Valve

A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Using the refrigerant recovery system, discharge refrigerant.<Ref. to AC-28, PROCEDURE, Refrigerant Recovery Procedure.>
- 3) Remove the air intake boot. (Non-turbo model)<Ref. to IN(H4DO)-11, REMOVAL, Air Intake Boot.>

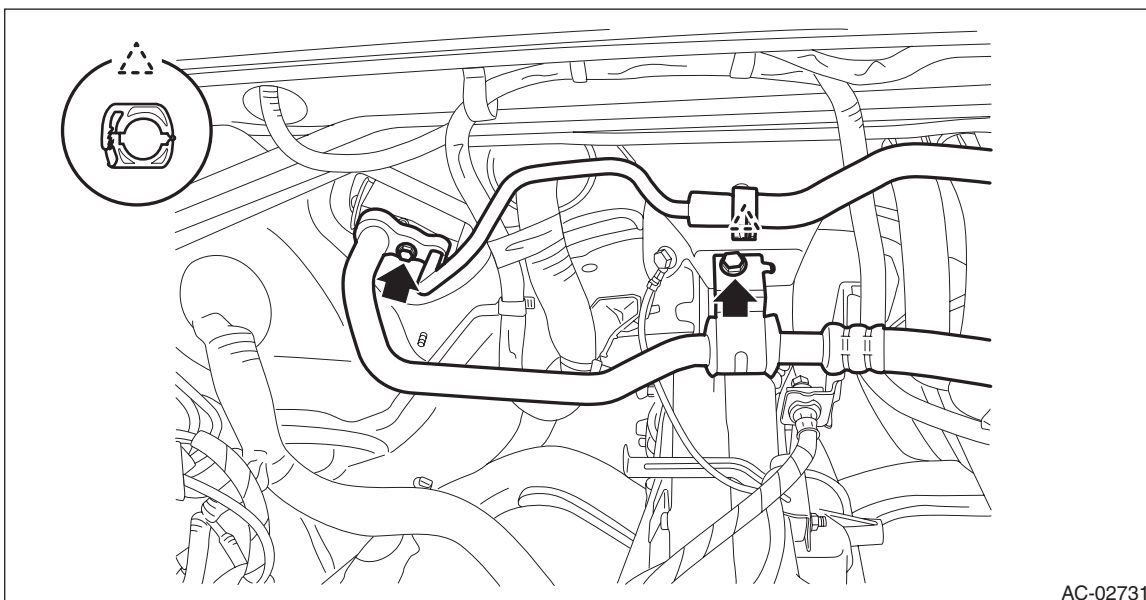
CAUTION:

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

- 4) Remove the intercooler. (Turbo model)<Ref. to IN(H4DOTC)-35, REMOVAL, Intercooler.>
- 5) Remove the expansion valve - cooling.
 - (1) Remove the bolt, 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.



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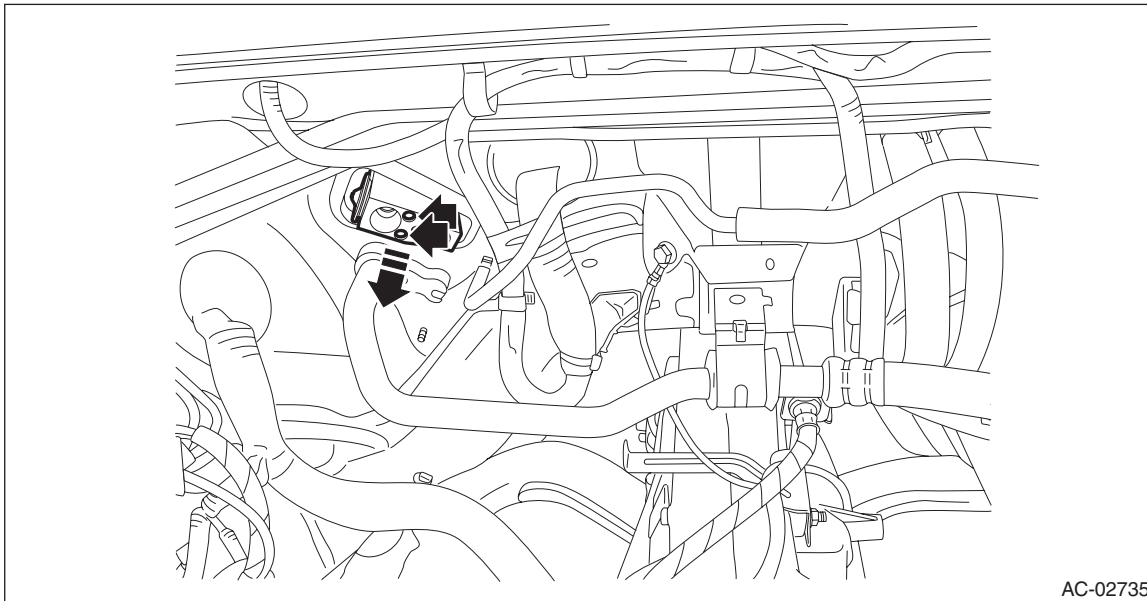
(2) Remove the bolt, and remove the expansion valve - cooling.

CAUTION:

Seal the disconnected 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:

Refer to “**COMPONENT**” of “**General Description**”. <Ref. to AC-12, AIR CONDITIONING UNIT, **COMPONENT**, **General Description**.>

2) Charge refrigerant. <Ref. to AC-29, PROCEDURE, Refrigerant Charging Procedure.>