

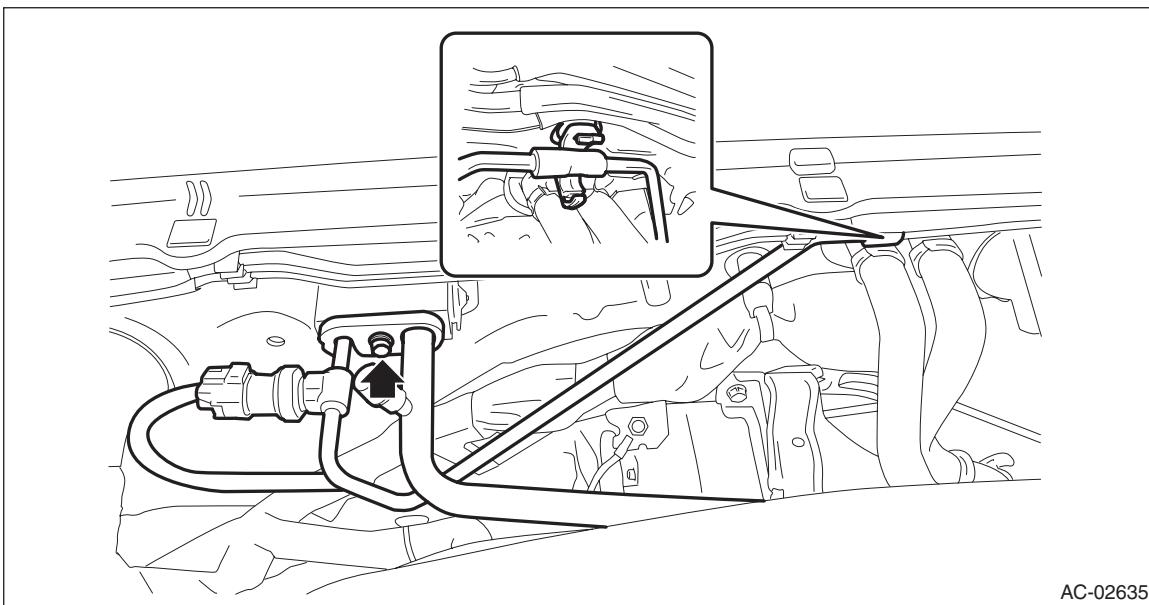
# Expansion Valve

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

## 20. Expansion Valve

### A: REMOVAL

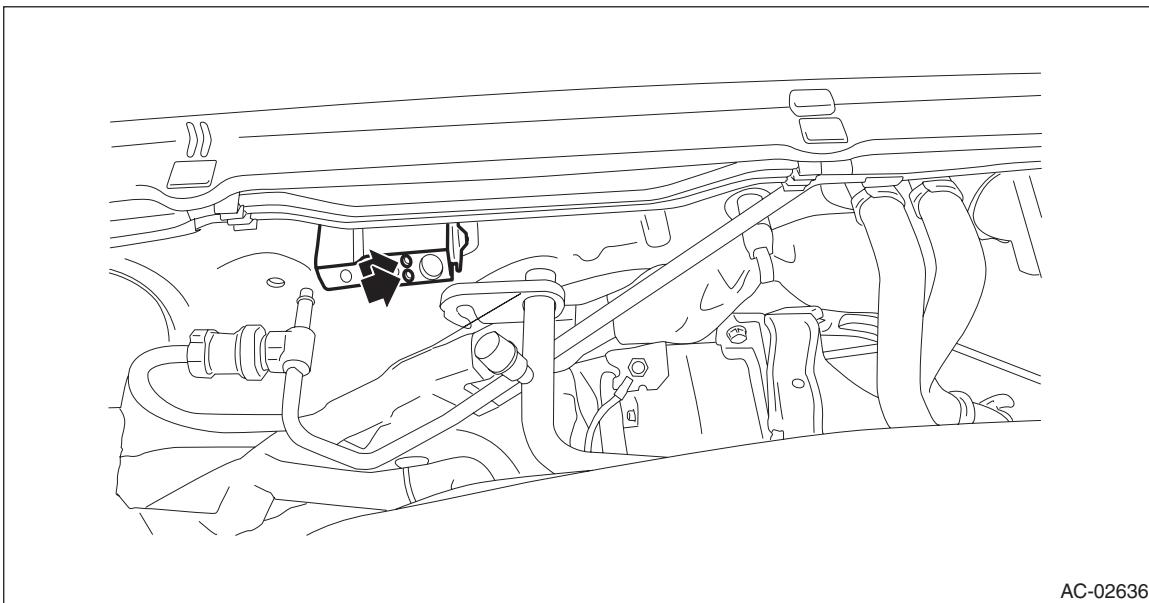
- 1) Disconnect the ground cable from battery.
- 2) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-26, PROCEDURE, Refrigerant Recovery Procedure.>
- 3) Remove the connector and bolts, and remove the high-pressure hose and AC pipe from the expansion valve.



- 4) Remove the bolts, then remove the expansion valve.

**Preparation tool:**

**Hexagon wrench: 4 mm (0.16 in)**



## B: INSTALLATION

### CAUTION:

- Do not start the engine before charging refrigerant.
- If the engine is started with no refrigerant charge, replace the compressor.
- Replace the gasket and O-rings with new parts, and then apply compressor oil.

1) Install each part in the reverse order of removal.  
2) Charge refrigerant. <Ref. to AC-27, PROCEDURE, Refrigerant Charging Procedure.>

### *Tightening torque:*

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

*Air conditioning unit: <Ref. to AC-10, AIR CONDITIONING UNIT, COMPONENT, General Description.>*