

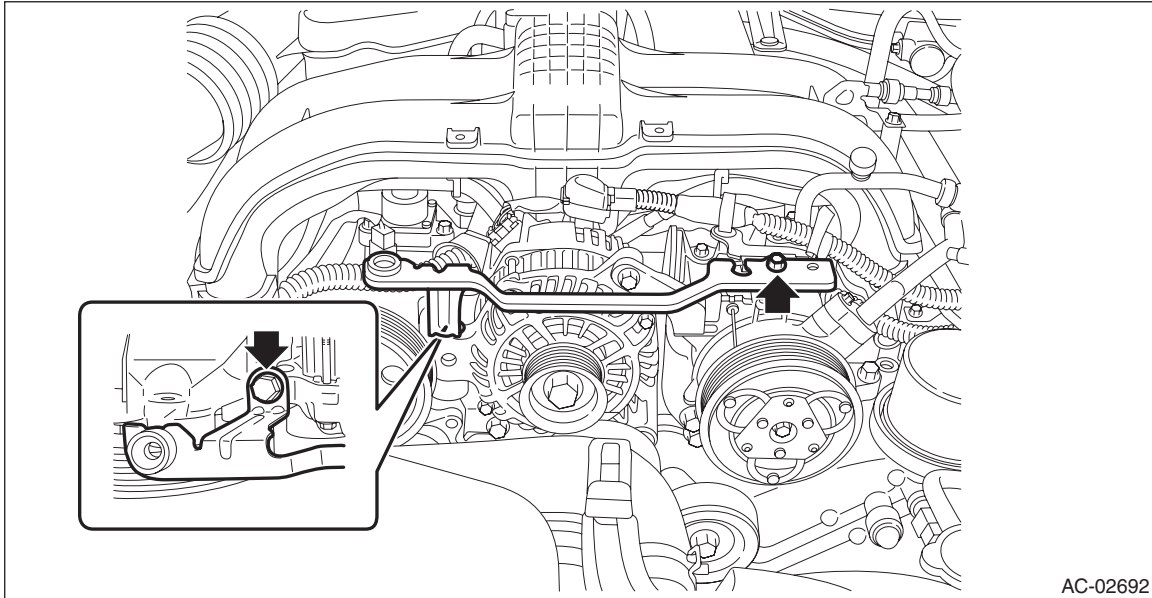
Compressor

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

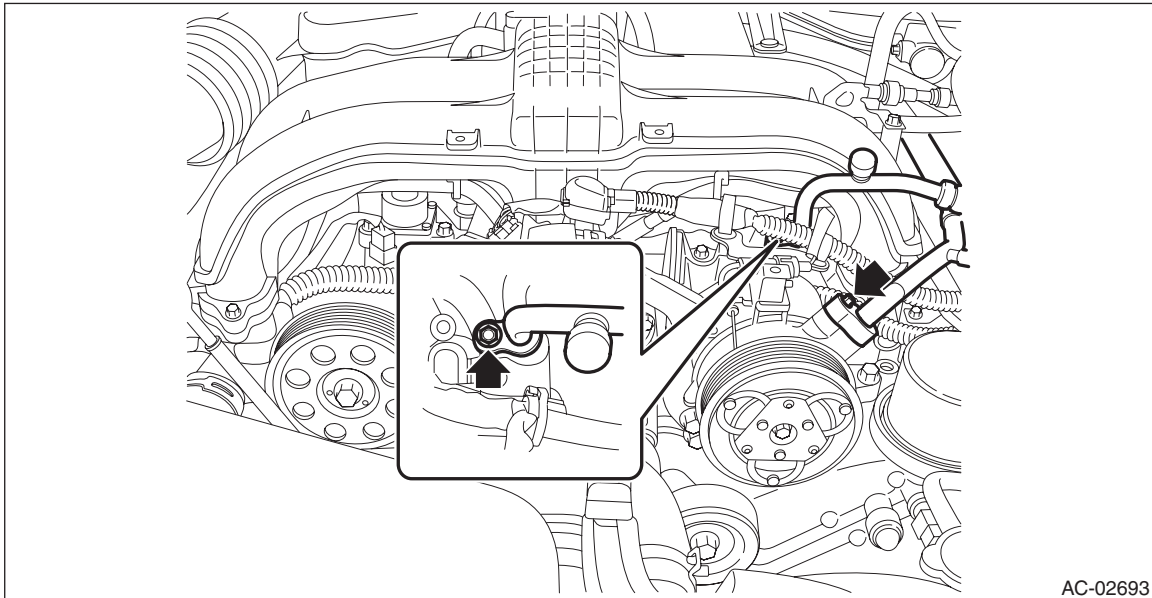
15.Compressor

A: REMOVAL

- 1) Perform compressor oil return operation. <Ref. to AC-34, PROCEDURE, Compressor Oil.>
- 2) Turn the A/C switch to OFF and stop the engine.
- 3) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-26, PROCEDURE, Refrigerant Recovery Procedure.>
- 4) Disconnect the ground cable from battery.
- 5) Remove the V-belts. <Ref. to ME(H4DO)-75, REMOVAL, V-belt.>
- 6) Remove the bolts and remove the V-belt cover bracket.



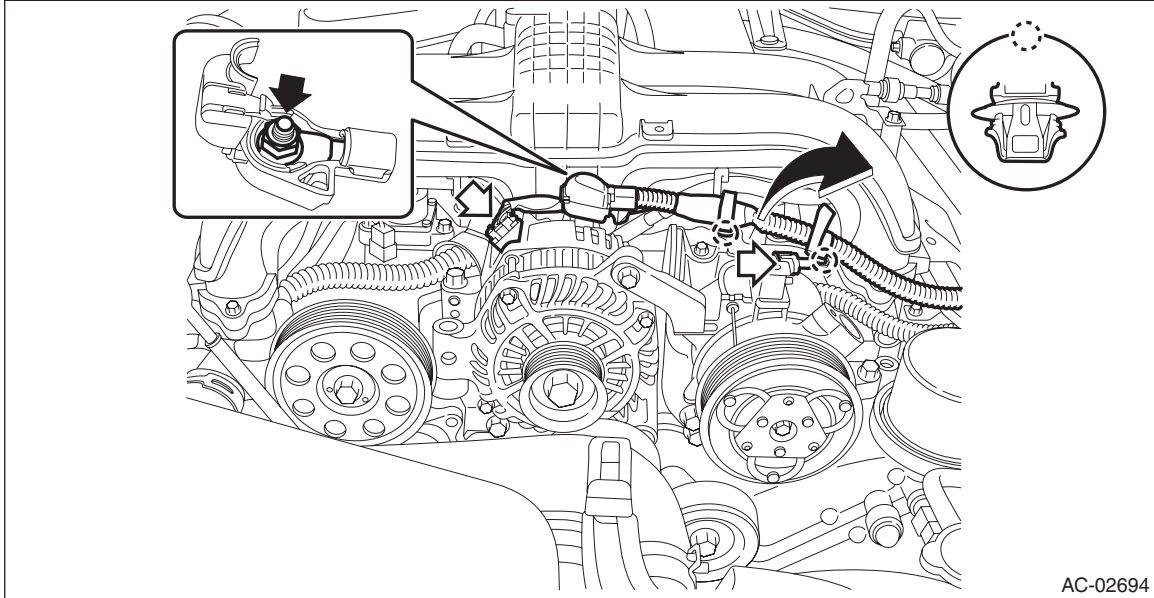
- 7) Remove the bolt, and detach the hose - pressure suction and the hose - pressure discharge.



Compressor

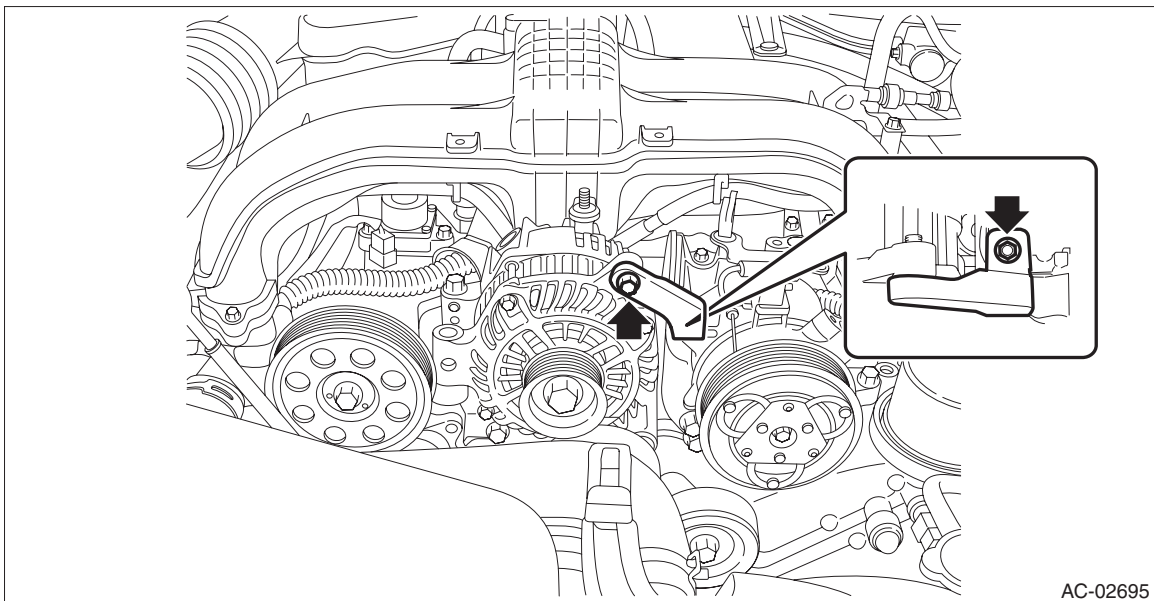
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8) Disconnect the nut and each connector, and move the generator harness to the right.



9) Remove the compressor assembly.

(1) Remove the bolts, and then remove the generator bracket.



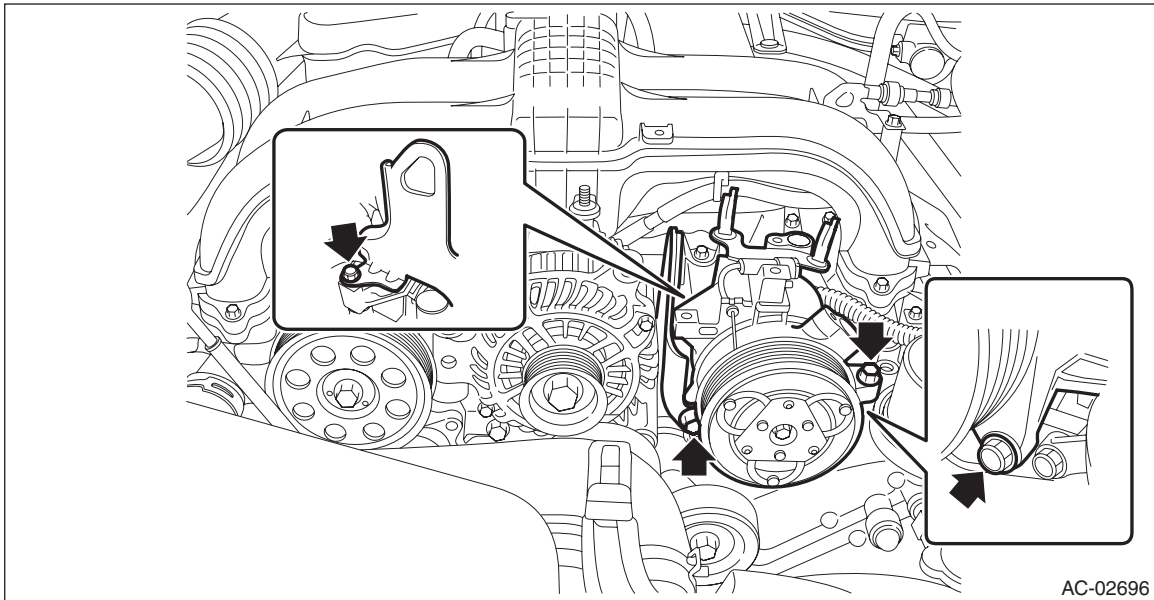
Compressor

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

(2) Remove the bolts and remove the compressor assembly.

NOTE:

Tighten the engine hanger together with the compressor assembly.



B: INSTALLATION

CAUTION:

- Replace the O-rings on the hose - pressure suction and discharge with new parts, and then apply compressor oil.
- After replacing the compressor assembly, adjust the amount of the compressor oil. <Ref. to AC-34, PROCEDURE, Compressor Oil.>

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

Tightening torque:

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

Compressor: <Ref. to AC-13, COMPRESSOR, COMPONENT, General Description.>

V-belt cover bracket and generator bracket: <Ref. to SC(H4DO)-5, GENERATOR BRACKET, COMPONENT, General Description.>

2) Charge refrigerant. <Ref. to AC-27, PROCEDURE, Refrigerant Charging Procedure.>

Compressor

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

C: INSPECTION

1. MAGNET CLUTCH CLEARANCE INSPECTION

1) Check the clearance of entire circumference around the drive plate and pulley.

Specification:

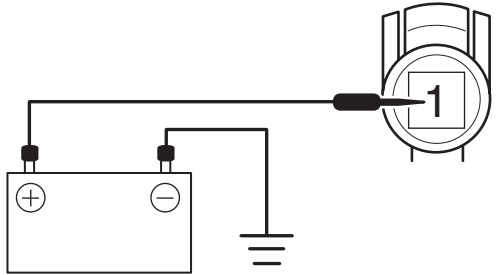
0.3 — 0.6 mm (0.0118 — 0.0236 in)

2) Replace the compressor assembly if the inspection result is not within the standard.

2. MAGNET CLUTCH OPERATION INSPECTION

UNIT INSPECTION

1) Check the magnet clutch operation when battery voltage is applied to the compressor terminal.

| Terminal No. | Inspection conditions | Specification | Connection diagram |
|----------------------------|---|-----------------------------|---|
| 1 (+) — chassis ground (-) | Battery connection between compressor terminal and chassis ground | Engagement of magnet clutch |  <p style="text-align: right;">AC-02772</p> |

2) If it does not operate normally, replace the compressor assembly.