

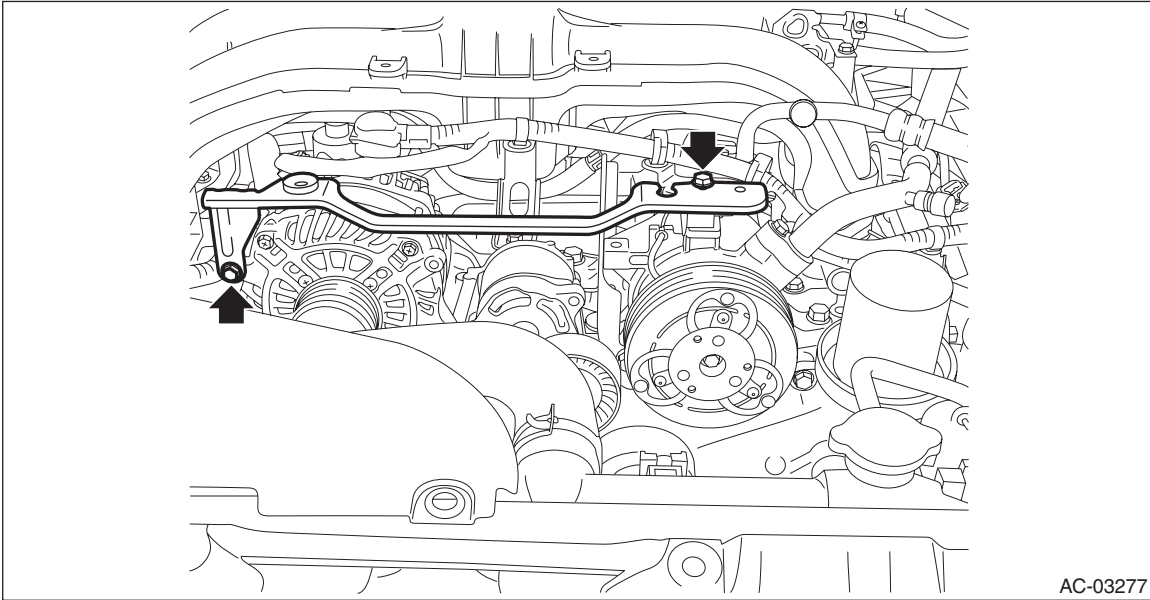
Compressor

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

15.Compressor

A: REMOVAL

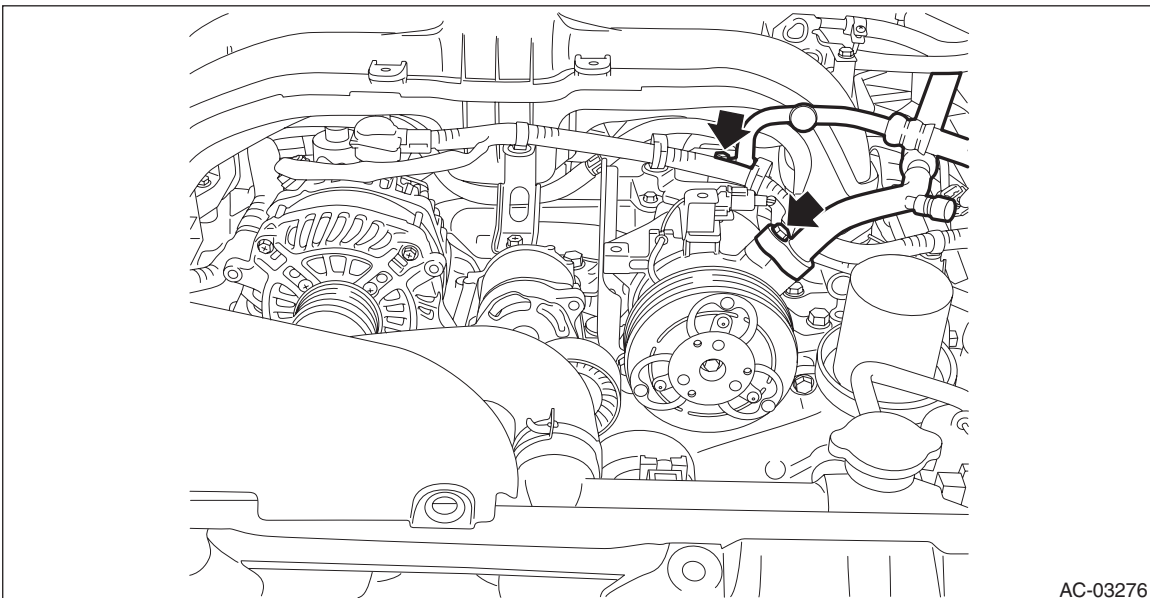
- 1) Perform compressor oil return operation.<Ref. to AC-36, PROCEDURE, Compressor Oil.>
- 2) Turn the A/C switch to OFF and stop the engine.
- 3) Using the refrigerant recovery system, discharge refrigerant.<Ref. to AC-28, PROCEDURE, Refrigerant Recovery Procedure.>
- 4) Disconnect the ground cable from battery.
- 5) Remove the V-belts.
 - Non-turbo model:<Ref. to ME(H4DO)-89, REMOVAL, V-belt.>
 - Turbo model:<Ref. to ME(H4DOTC)-77, 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.

CAUTION:

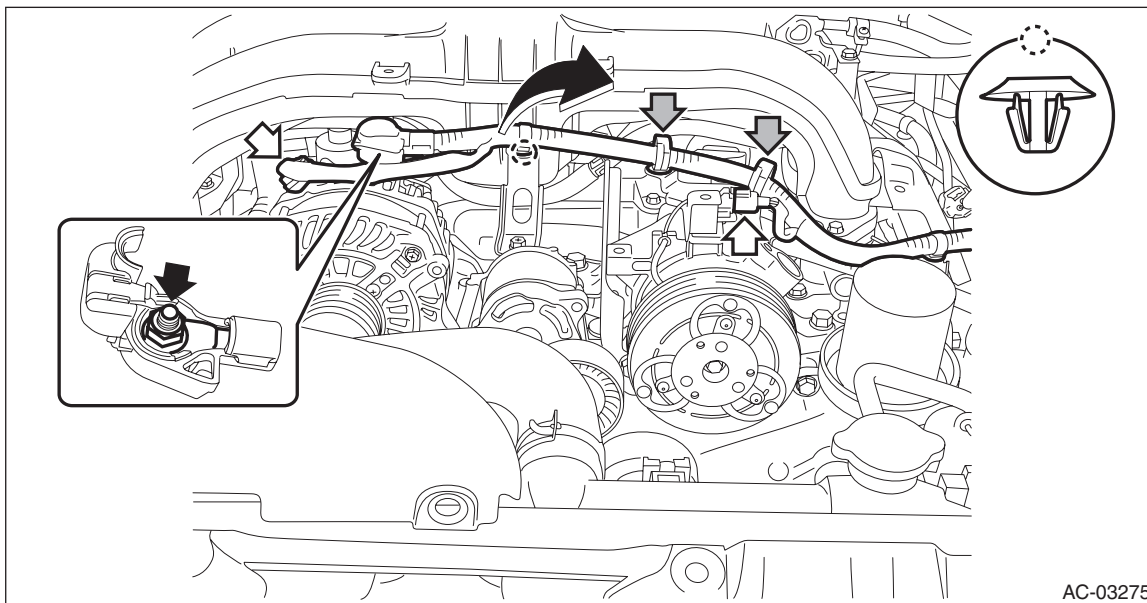
Seal the disconnected hose and engaging part of compressor with a plug or vinyl tape to prevent foreign matter from entering.



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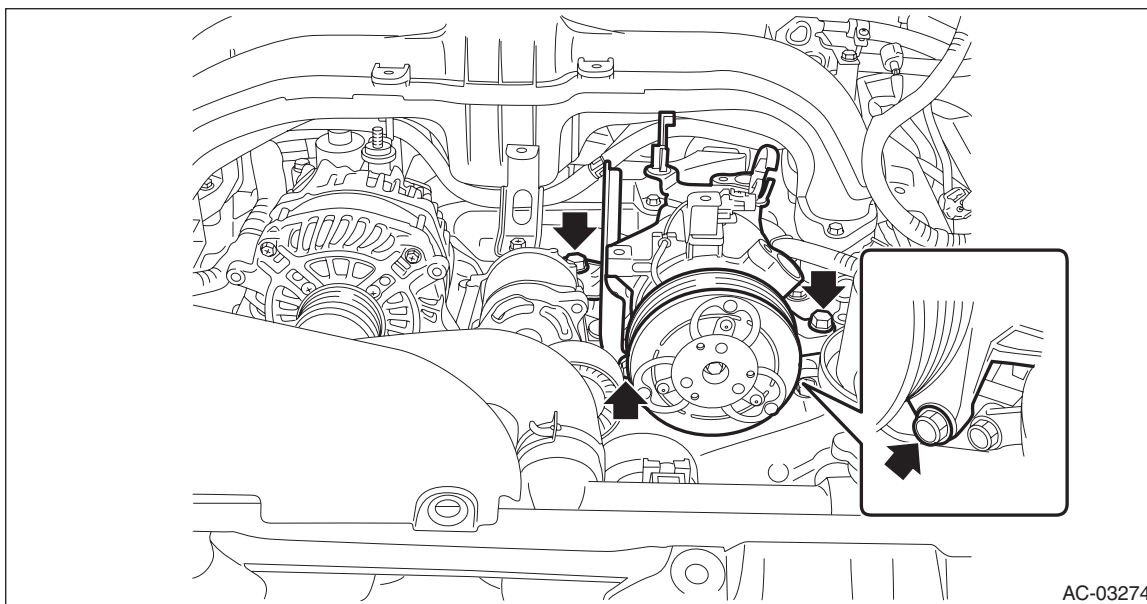
8) Disconnect the nut, washer, harness clams and each connector, and move the generator harness to the right.



9) Remove the bolts and remove the compressor assembly.

NOTE:

The hanger - engine front is tightened with the compressor assembly.



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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-36, 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: <Ref. to SC(H4DO)-5, GENERATOR BRACKET, COMPONENT, General Description.>

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

C: INSPECTION

1. MAGNET CLUTCH CLEARANCE INSPECTION

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

Specification:

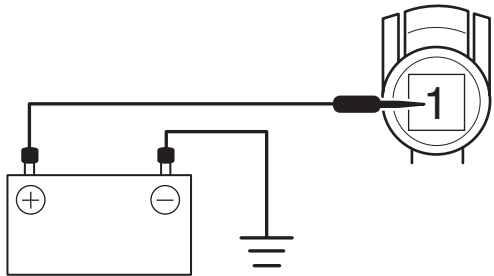
0.3 — 0.6 mm (0.0118 — 0.0236 in)

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	 AC-02772

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