

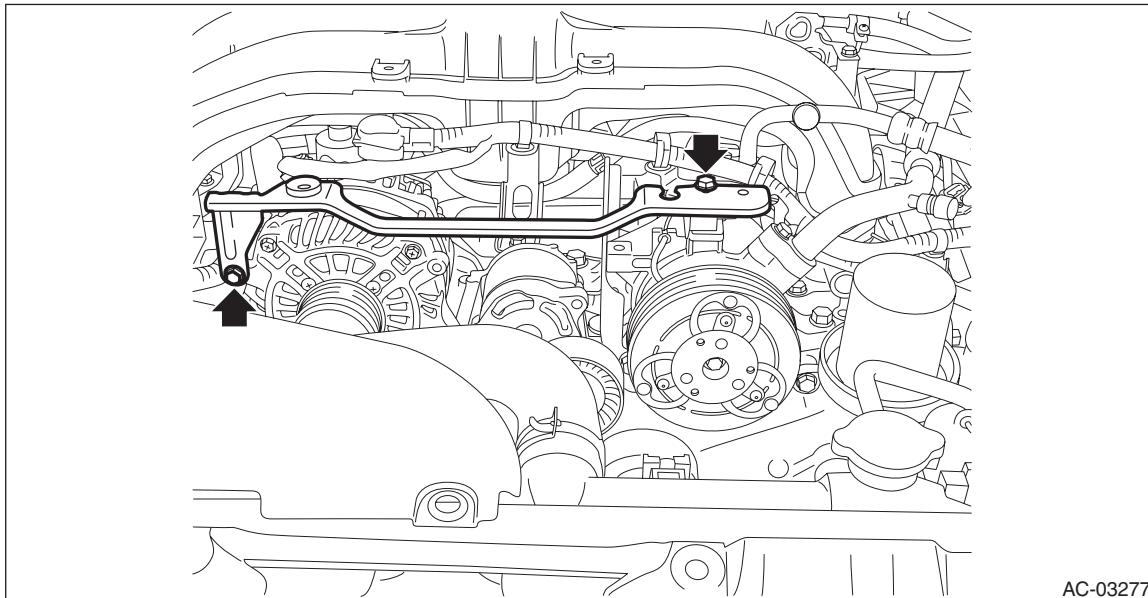
# Compressor

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

## 15.Compressor

### A: REMOVAL

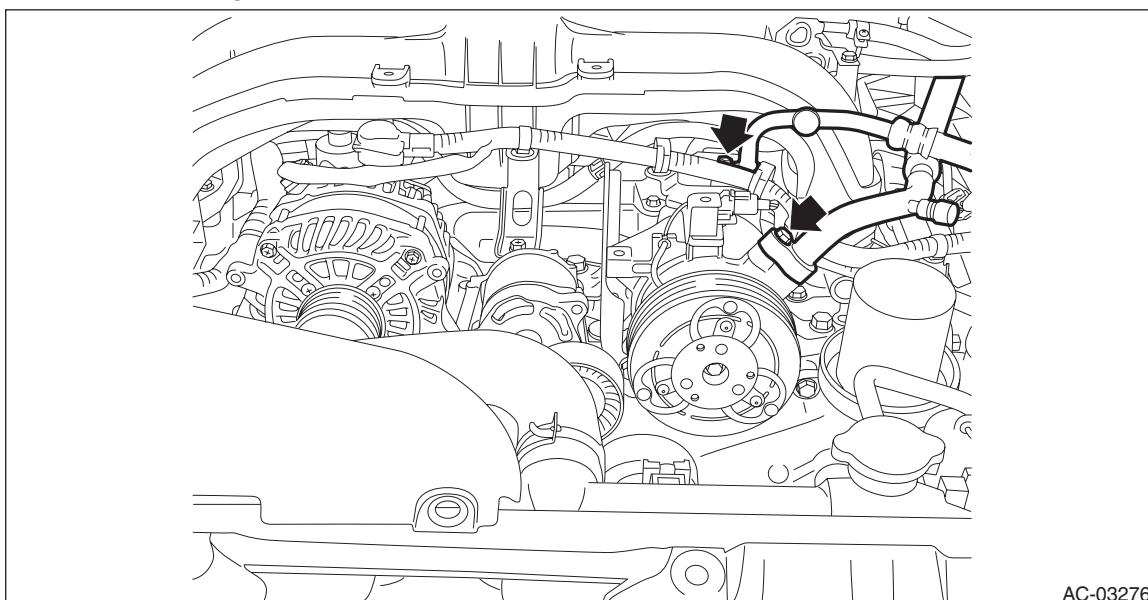
- 1) Perform compressor oil return operation.<Ref. to AC-36, PROCEDURE, Compressor Oil.>
- 2) Turn the A/C switch to OFF and stop the engine.
- 3) Using the refrigerant recovery system, discharge refrigerant.<Ref. to AC-28, PROCEDURE, Refrigerant Recovery Procedure.>
- 4) Disconnect the ground cable 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:**

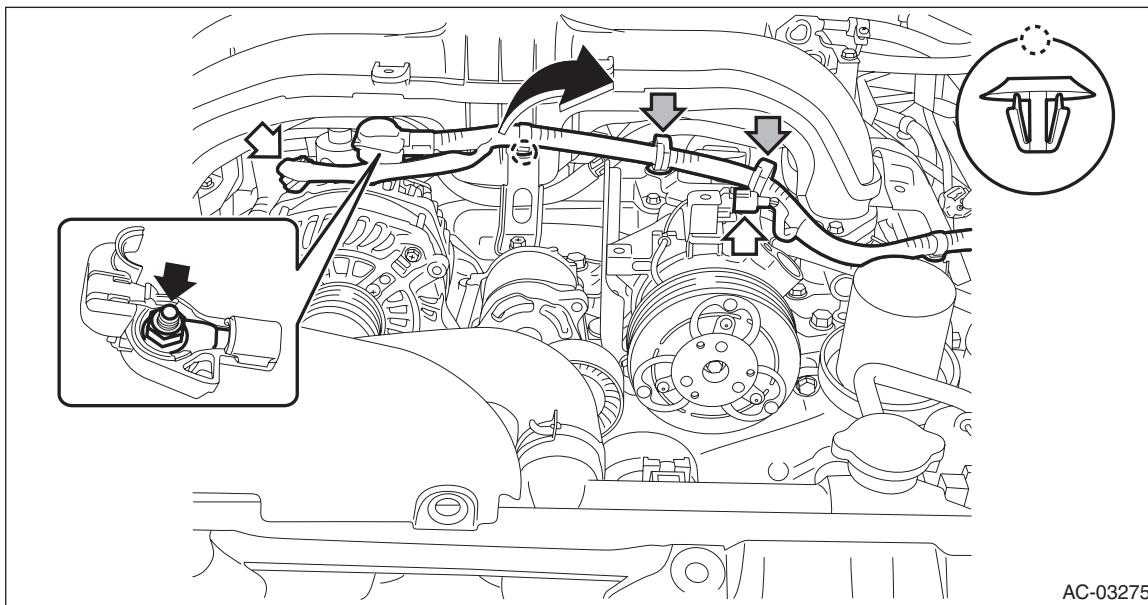
**Seal the disconnected hose and engaging part of compressor with a plug or vinyl tape to prevent foreign matter from entering.**



## Compressor

### HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

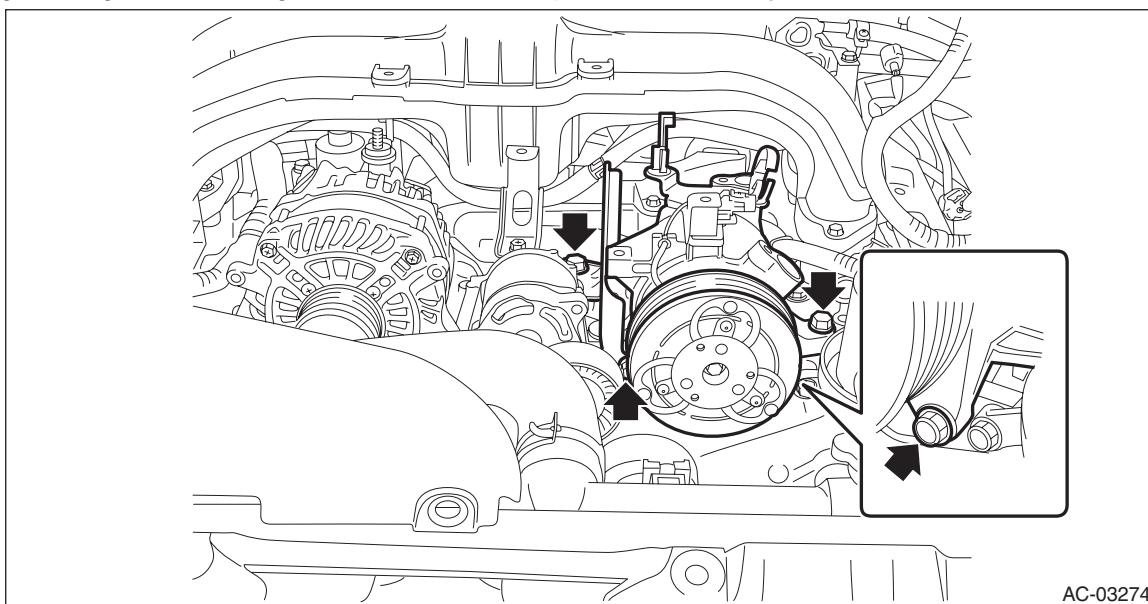
8) Disconnect the nut, washer, harness clamps and each connector, and move the generator harness to the right.



9) Remove the bolts and remove the compressor assembly.

NOTE:

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



# Compressor

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

## 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:

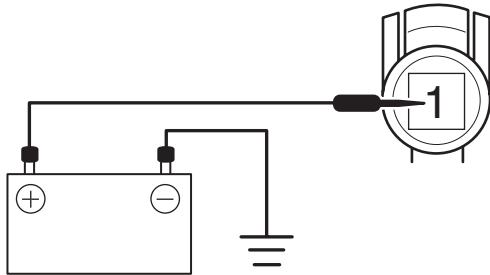
**0.3 — 0.6 mm (0.0118 — 0.0236 in)**

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.