

# Compressor

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

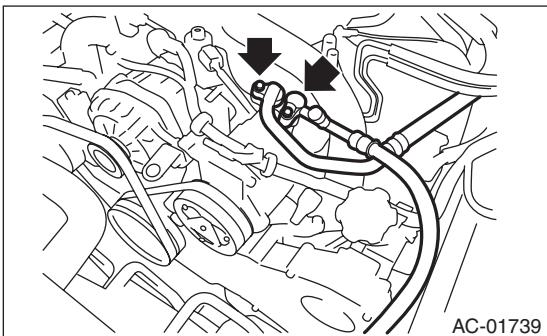
## 15.Compressor

### A: REMOVAL

- 1) Perform compressor oil return operation. <Ref. to AC-24, 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-19, PROCEDURE, Refrigerant Recovery Procedure.>
- 4) Disconnect the ground cable from battery.
- 5) Remove the V-belts.
  - Except for STI model: <Ref. to ME(w/o STI)-38, REMOVAL, V-belt.>
  - STI model: <Ref. to ME(STI)-40, REMOVAL, V-belt.>
- 6) Remove the generator. <Ref. to SC(STI)-21, REMOVAL, Generator.>
- 7) Remove the bolt and remove the low-pressure hose and high-pressure hose.

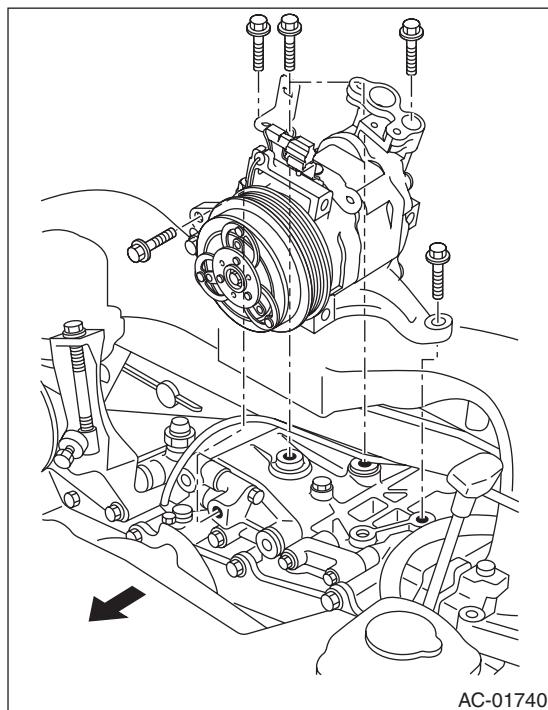
#### CAUTION:

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



- 8) Disconnect the compressor connector.

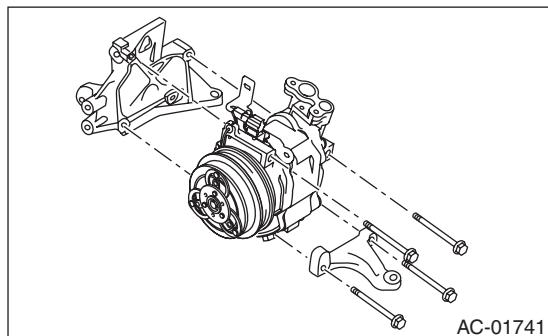
- 9) Remove the bolts and remove the compressor bracket.



#### NOTE:

Since the compressor cannot be removed by itself, remove the compressor bracket as a unit.

- 10) Remove the bolts, then remove the bracket from the compressor.



## B: INSTALLATION

### CAUTION:

- Replace the O-rings on hoses or pipes with new parts, and then apply compressor oil.
- After replacing the compressor, adjust the amount of the compressor oil. <Ref. to AC-24, **ADJUSTMENT, Compressor Oil.**>

- 1) Install each part in the reverse order of removal.
- 2) Charge refrigerant. <Ref. to AC-20, **PROCEDURE, Refrigerant Charging Procedure.**>

### *Tightening torque:*

*Refer to “COMPONENT” of “General Description”.*

- *Air conditioning unit: <Ref. to AC-9, **AIR CONDITIONING UNIT, COMPONENT, General Description.**>*
- *Compressor: <Ref. to AC-10, **COMPRESSOR, COMPONENT, General Description.**>*

## C: INSPECTION

### 1. MAGNETIC CLUTCH CLEARANCE

- 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 if the inspection result is not within the standard value.

### 2. MAGNETIC CLUTCH OPERATION

- 1) Disconnect the compressor connector.
- 2) Connect the battery positive (+) terminal to the terminal of the compressor connector and check the magnet clutch engagement.
- 3) If the magnet clutch does not operate normally, replace the compressor.