

# Compressor

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

## 15. Compressor

### A: INSPECTION

#### 1. MAGNETIC CLUTCH CLEARANCE

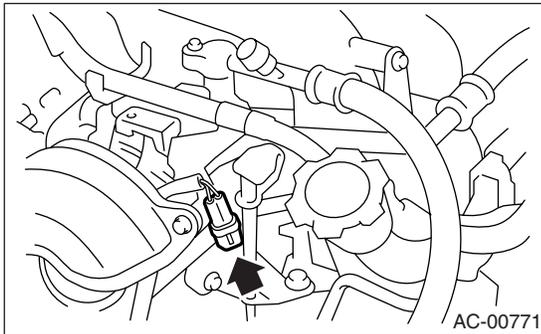
Check the clearance of entire circumference around the drive plate and pulley.

**Standard:**

$0.45 \pm 0.15 \text{ mm}$  ( $0.0177 \pm 0.0059 \text{ in}$ )

#### 2. MAGNETIC CLUTCH OPERATION

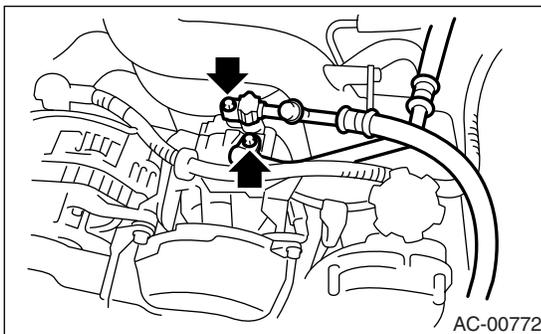
- 1) Disconnect the compressor connector.
- 2) Connect the battery positive (+) terminal to terminal No. 1 of compressor connector, and negative (-) terminal to terminal No. 2.



- 3) Check the magnet clutch engagement.  
If NG, replace the compressor.

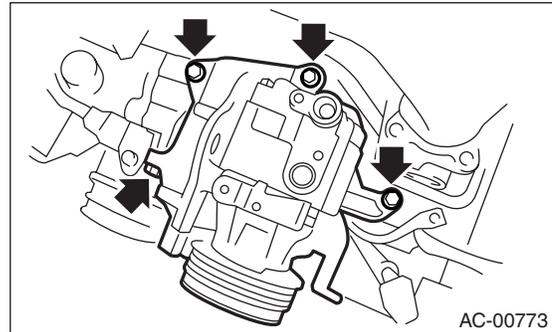
### B: REMOVAL

- 1) Perform the compressor oil return operation. <Ref. to AC-25, 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-20, PROCEDURE, Refrigerant Recovery Procedure.>
- 4) Disconnect the ground cable from battery.
- 5) Remove the V-belts. <Ref. to ME(H4SO)-37, REMOVAL, V-belt.> <Ref. to ME(H4DOTC)-37, REMOVAL, V-belt.> <Ref. to ME(H6DO)-32, REMOVAL, V-belt.>
- 6) Remove the generator. <Ref. to SC(H4SO)-20, REMOVAL, Generator.>
- 7) Remove the bolt and remove the low-pressure hose and high-pressure hose.

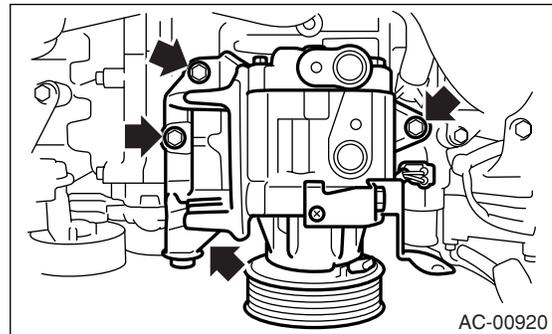


- 8) Disconnect the compressor harness from body harness.
- 9) Remove the bolts and remove compressor bracket.

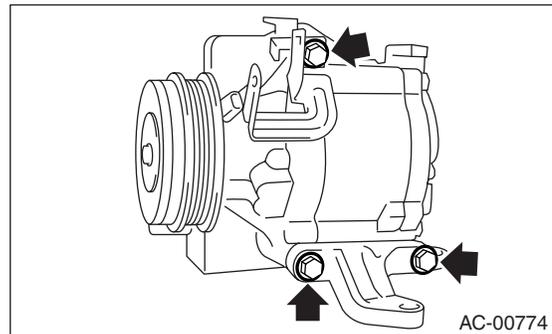
- H4 model



- H6 model



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



## **C: INSTALLATION**

- 1) Install in the reverse order of removal.
- 2) Replace the O-rings on low-/high-pressure hoses with new ones, then apply compressor oil.
- 3) When replacing the compressor, adjust amount of compressor oil. <Ref. to AC-25, PROCEDURE, Compressor Oil.>
- 4) Charge refrigerant. <Ref. to AC-21, PROCEDURE, Refrigerant Charging Procedure.>

### ***Tightening torque:***

***Refer to “COMPONENT” of “General Description”. <Ref. to AC-10, AIR CONDITIONING UNIT, COMPONENT, General Description.>***

***<Ref. to AC-11, COMPRESSOR, COMPONENT, General Description.>***