

# COMPRESSOR

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

## 12. Compressor

### A: INSPECTION

#### 1. MAGNETIC CLUTCH CLEARANCE

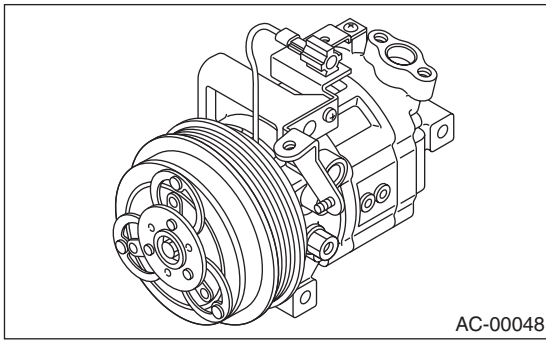
1) Check the clearance of the entire circumference around the drive plate and pulley.

**Standard:**

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

#### 2. MAGNETIC CLUTCH OPERATION

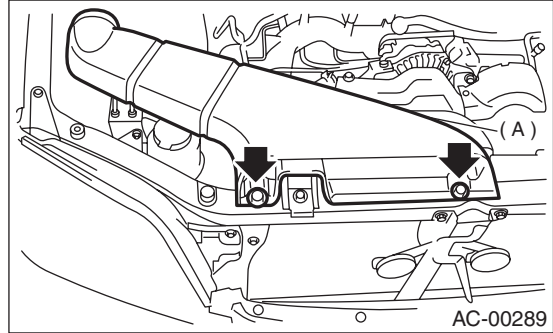
1) Disconnect the compressor connector.  
2) Connect the No. 3 terminal of the compressor connector from the battery to the positive (+) lead. Ground the negative (-) lead to the body.



3) Make sure the magnet clutch engages. If NG, replace the compressor.

### B: REMOVAL

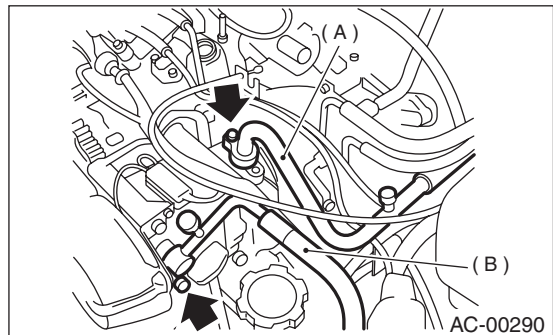
- 1) Perform oil return operation. <Ref. to AC-23, OPERATION, Compressor Oil.>
- 2) Turn A/C switch OFF and stop the engine.
- 3) Using refrigerant recovery system, discharge refrigerant. <Ref. to AC-17, OPERATION, Refrigerant Recovery Procedure.>
- 4) Disconnect ground cable from battery.
- 5) Remove duct (A).



- 6) Disconnect low-pressure hose (A) and high-pressure hose (B).

**CAUTION:**

Be careful not to lose O-rings on hose. Immediately seal hose with a plug or vinyl tape to prevent the entry of contamination.

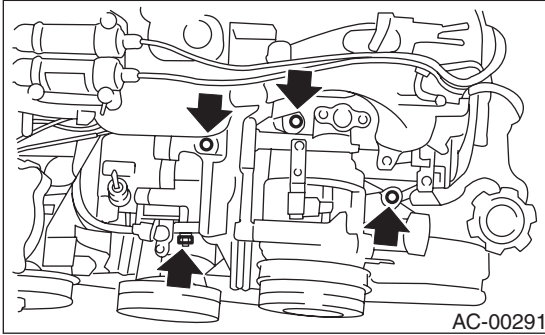


- 7) Remove V-belt. <Ref. to ME(H4SO)-40, REMOVAL, V-belt.> or <Ref. to ME(H4DOTC)-45, REMOVAL, V-belt.>
- 8) Remove generator. <Ref. to SC(H4SO)-15, REMOVAL, Generator.>
- 9) Disconnect compressor harness from body harness.

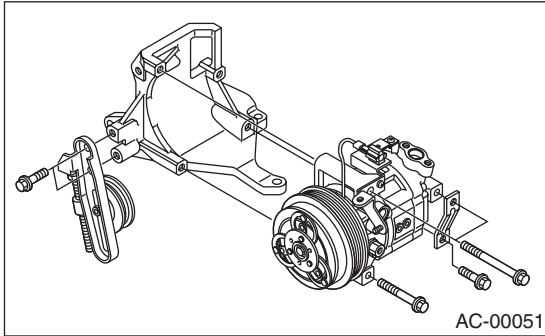
# COMPRESSOR

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

10) Remove bolts from compressor bracket.



11) Loosen bolts to remove compressor from bracket.



## C: INSTALLATION

- 1) Install in the reverse order of removal.
- 2) Replace O-rings on low-/high-pressure hoses with new ones, then apply compressor oil.
- 3) When replacing compressor, adjust amount of compressor oil. <Ref. to AC-23, Compressor Oil.>
- 4) Charge refrigerant. <Ref. to AC-18, OPERATION, Refrigerant Charging Procedure.>

### **Tightening torque:**

**Refer to COMPONENT of General Description**

**<Ref. to AC-8, AIR CONDITIONING UNIT, COMPONENT, General Description.>**