

## 12. Compressor S701281

### A: INSPECTION S701281A10

#### 1. MAGNETIC CLUTCH CLEARANCE

S701281A1001

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

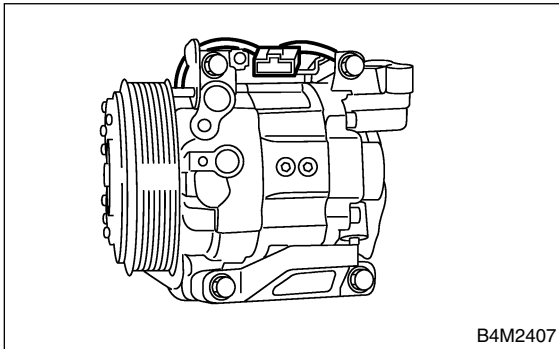
**Standard:**

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

#### 2. MAGNETIC CLUTCH OPERATION

S701281A1002

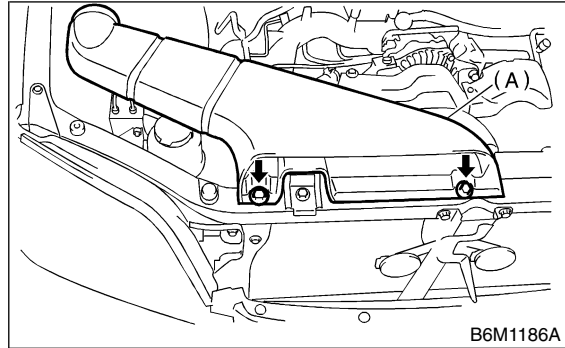
- 1) Disconnect the compressor connector.
- 2) Connect the No. 3 terminal of the compressor connector from the battery to the positive (+) lead. Ground the negative (-) lead to the body.



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

### B: REMOVAL S701281A18

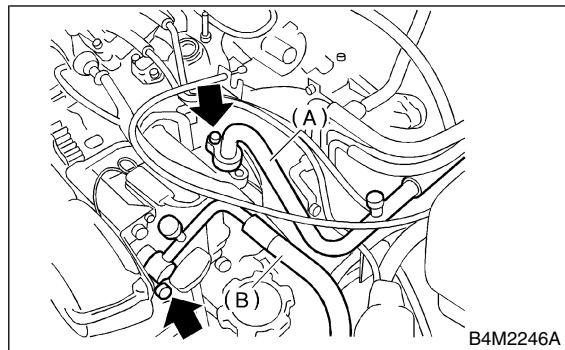
- 1) Perform oil return operation. <Ref. to AC-24, OPERATION, Compressor Oil.>
- 2) Turn A/C switch OFF and stop the engine.
- 3) Using refrigerant recovery system, discharge refrigerant. <Ref. to AC-18, OPERATION, Refrigerant Recovery Procedure.>
- 4) Disconnect ground cable from battery.
- 5) Remove 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.**



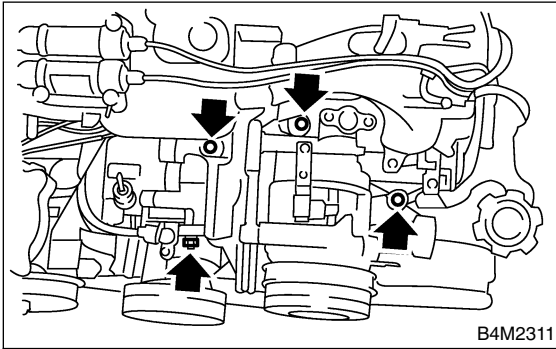
- 7) Remove V-belt. <Ref. to ME-42, REMOVAL, V-belt.>
- 8) Remove generator. <Ref. to SC-15, REMOVAL, Generator.>
- 9) Disconnect compressor harness from body harness.

# COMPRESSOR

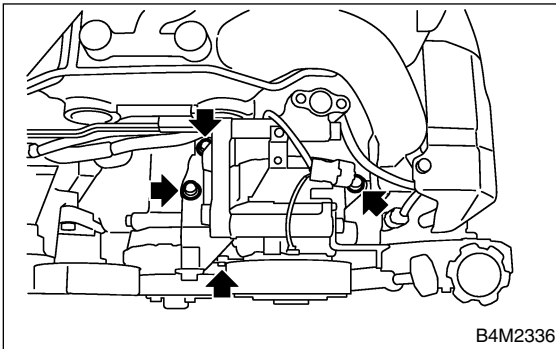
HVAC System (Heater, Ventilator and A/C)

10) Remove bolts from compressor bracket.

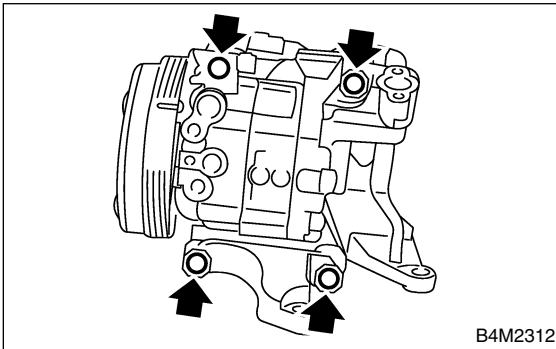
**4 CYLINDERS:**



**6 CYLINDERS:**



11) Loosen bolts to remove compressor from bracket.



## C: INSTALLATION S701281A11

- 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-24, Compressor Oil.>
- 4) Charge refrigerant. <Ref. to AC-19, OPERATION, Refrigerant Charging Procedure.>

### **Tightening torque:**

**Refer to COMPONENT of General Description**

**<Ref. to AC-9, AIR CONDITIONING UNIT, COMPONENT, General Description.>**