

# Compressor

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

## 14.Compressor

### A: INSPECTION

#### 1. MAGNETIC CLUTCH CLEARANCE

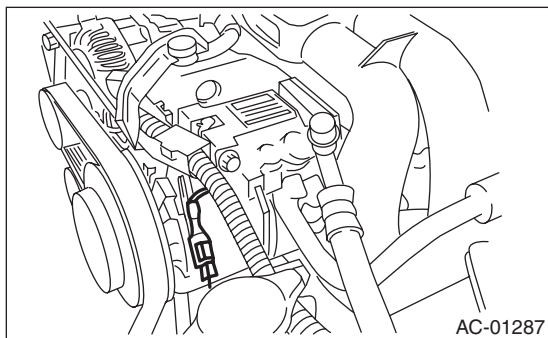
Check the clearance of the entire circumference around the drive plate and pulley.

**Standard:**

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

#### 2. MAGNETIC CLUTCH OPERATION

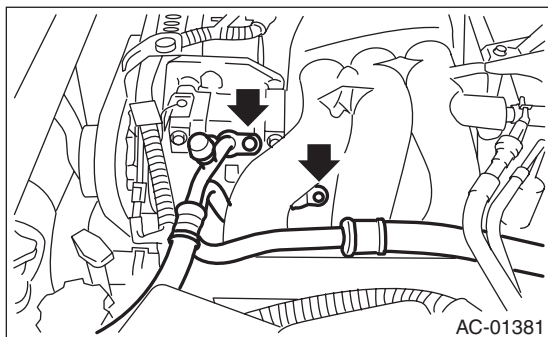
- 1) Disconnect the compressor connector.
- 2) Connect the battery positive (+) terminal to the compressor connector terminal, and the negative (-) terminal to the compressor body.



- 3) Check the magnet clutch engagement.  
If there is a problem, replace the compressor.

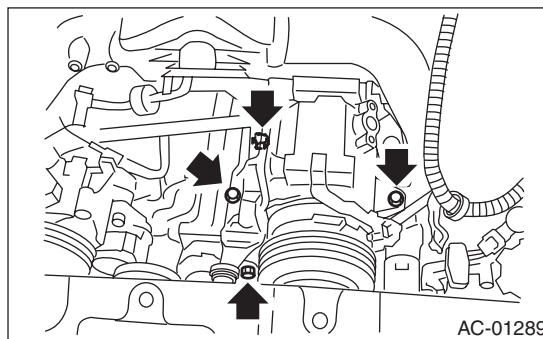
### B: REMOVAL

- 1) Perform the compressor oil return operation.  
<Ref. to AC-28, 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-22, PROCEDURE, Refrigerant Recovery Procedure.>
- 4) Disconnect the ground cable from the battery.
- 5) Remove the V-belts. <Ref. to ME(H6DO)-46, REMOVAL, V-belt.>
- 6) Remove the generator. <Ref. to SC(H6DO)-17, REMOVAL, Generator.>
- 7) Remove the bolt and remove the low-pressure hose and high-pressure hose.

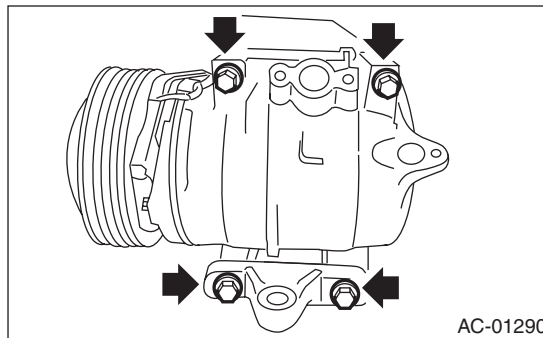


- 8) Disconnect the compressor harness from the body harness.

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



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



### C: INSTALLATION

- 1) Install in the reverse order of removal.
- 2) Replace the O-rings on low-/high-pressure hoses with new parts, then apply compressor oil.
- 3) After replacing the compressor, adjust the amount of compressor oil. <Ref. to AC-28, PROCEDURE, Compressor Oil.>
- 4) Charge refrigerant. <Ref. to AC-23, PROCEDURE, Refrigerant Charging Procedure.>

#### **Tightening torque:**

**Refer to "COMPONENT" of "General Description".** <Ref. to AC-12, AIR CONDITIONING UNIT, COMPONENT, General Description.>  
<Ref. to AC-13, COMPRESSOR, COMPONENT, General Description.>