

# Compressor

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

## 14. Compressor

### A: INSPECTION

#### 1. MAGNETIC CLUTCH CLEARANCE

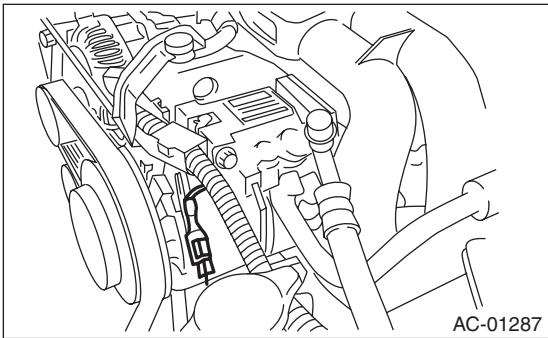
Check the clearance of the entire circumference around the drive plate and pulley.

**Standard:**

$0.45 \pm 0.15$  mm ( $0.0177 \pm 0.0059$  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.

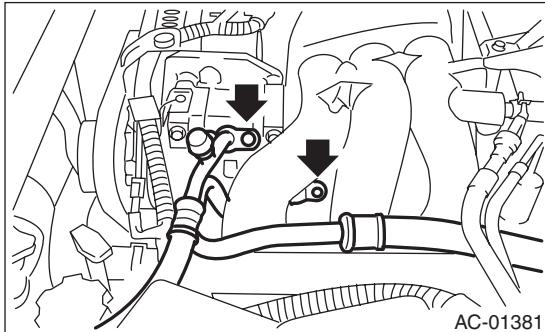
### B: REMOVAL

- 1) Perform compressor oil return operation. <Ref. to AC-26, 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-21, PROCEDURE, Refrigerant Recovery Procedure.>
- 4) Disconnect the ground cable from battery.
- 5) Remove the V-belts. <Ref. to ME(H6DO)-46, REMOVAL, V-belt.>
- 6) Remove the generator. <Ref. to SC(H6DO)-13, REMOVAL, Generator.>

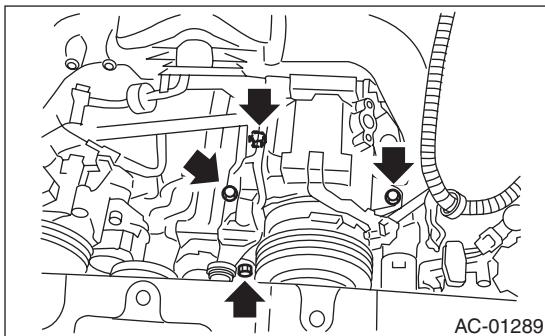
- 7) Remove the bolt and remove the low-pressure hose and high-pressure hose.

**CAUTION:**

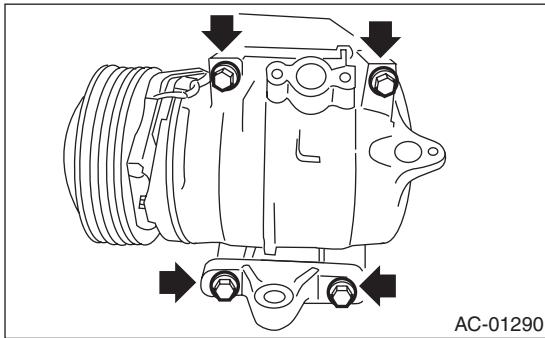
Seal the disconnected hose and engaging part of compressor with a plug or vinyl tape to prevent foreign matter from entering.



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



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



## C: INSTALLATION

### CAUTION:

- Replace the O-rings on low/high pressure hoses with new parts, and apply compressor oil.
- If the compressor is replaced, adjust the amount of the compressor oil. <Ref. to AC-26, **ADJUSTMENT, Compressor Oil.**>  
1) Install in the reverse order of removal.  
2) Charge refrigerant. <Ref. to AC-22, **PROCEDURE, Refrigerant Charging Procedure.**>

### *Tightening torque:*

*Refer to “COMPONENT” of “General Description”. <Ref. to AC-11, **AIR CONDITIONING UNIT, COMPONENT, General Description.**>  
<Ref. to AC-13, **COMPRESSOR, COMPONENT, General Description.**>*