

COMPRESSOR

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

13. Compressor

A: INSPECTION

1. MAGNETIC CLUTCH CLEARANCE

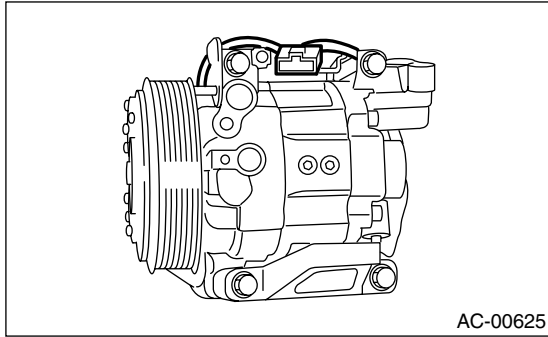
1) Check the clearance of the entire circumference around the drive plate and pulley.

Standard:

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

2. MAGNETIC CLUTCH OPERATION

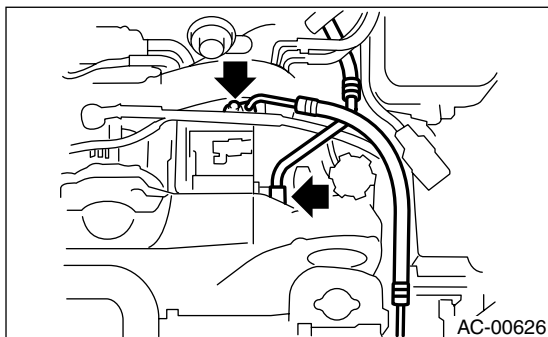
1) Disconnect the compressor connector.
2) Connect the battery positive (+) terminal to the terminal of compressor connector.



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

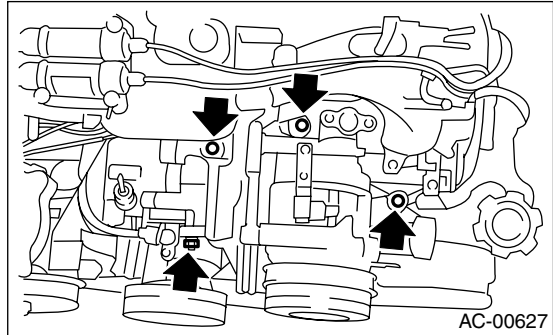
B: REMOVAL

1) Perform the compressor oil return operation.
<Ref. to AC-25, OPERATION, Compressor Oil.>
2) Turn the A/C switch OFF and stop the engine.
3) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-20, OPERATION, Refrigerant Recovery Procedure.>
4) Disconnect the ground cable from battery.
5) Remove the V-belt. <Ref. to ME(H4SO)-40, REMOVAL, V-belt.> or <Ref. to ME(H4DOTC)-41, REMOVAL, V-belt.>
6) Remove the generator. <Ref. to SC(H4SO)-14, REMOVAL, Generator.>
7) Remove the low-pressure hose and high-pressure hose.

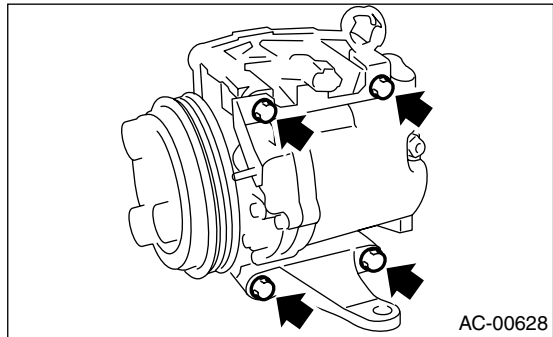


8) Disconnect the compressor harness from body harness.

9) Loosen the bolts to remove the compressor bracket.



10) Remove the bolts, and then separate the compressor and bracket.



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 compressor, adjust amount of compressor oil. <Ref. to AC-25, OPERATION, Compressor Oil.>
- 4) Charge refrigerant. <Ref. to AC-21, OPERATION, Refrigerant Charging Procedure.>

Tightening torque:

Refer to COMPONENT in General Description. <Ref. to AC-11, AIR CONDITIONING UNIT, COMPONENT, General Description.> and <Ref. to AC-12, COMPRESSOR, COMPONENT, General Description.>