

Compressor

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

11. Compressor

A: INSPECTION

1. MAGNETIC CLUTCH CLEARANCE

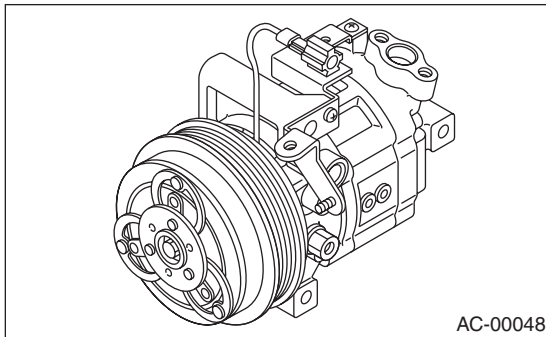
Check the clearance of entire circumference around the drive plate and pulley.

Standard:

0.3 — 0.6 mm (0.0118 — 0.0236 in)

2. MAGNETIC CLUTCH OPERATION

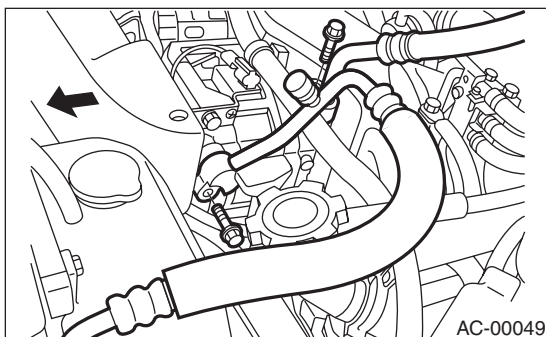
- 1) Disconnect the compressor connector.
- 2) Connect the battery positive (+) terminal to the No. 3 terminal of the compressor connector.



- 3) Confirm the magnet clutch engagement.
If NG, replace the compressor.

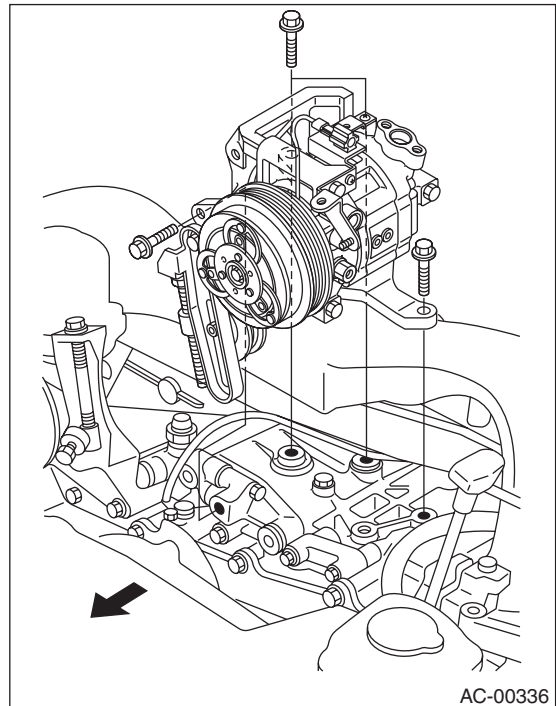
B: REMOVAL

- 1) Perform the compressor oil return operation. <Ref. to AC-24, 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-19, PROCEDURE, Refrigerant Recovery Procedure.>
- 4) Disconnect the ground cable from the battery.
- 5) Remove the V-belts. <Ref. to ME(H4SO)-40, REMOVAL, V-belt.> <Ref. to ME(H4DOTC)-40, REMOVAL, V-belt.>
- 6) Remove the generator. <Ref. to SC (H4SO)-14, REMOVAL, Generator.>
- 7) Remove the low-pressure hose and high-pressure hose.

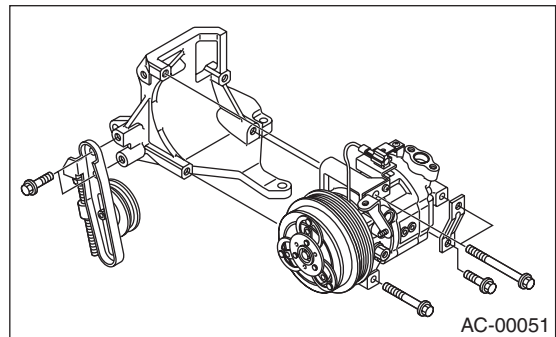


- 8) Disconnect the compressor harness from body harness.

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



- 10) Loosen 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 amount of compressor oil. <Ref. to AC-24, PROCEDURE, Compressor Oil.>
- 4) Charge refrigerant. <Ref. to AC-20, 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-12, COMPRESSOR, COMPONENT, General Description.>