

COMPRESSOR

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

11.Compressor

A: INSPECTION

1. MAGNETIC CLUTCH CLEARANCE

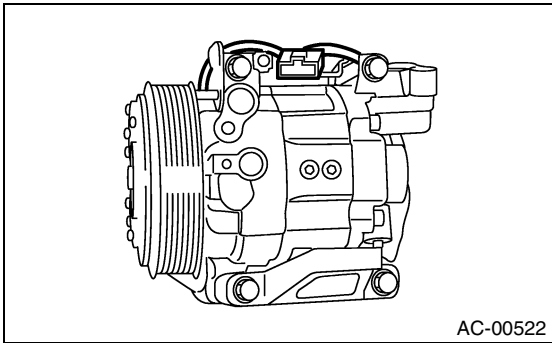
1) Check the clearance of the entire circumference around the drive plate and pulley.

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 No.3 terminal of the compressor connector.
Ground the negative terminal to the body.

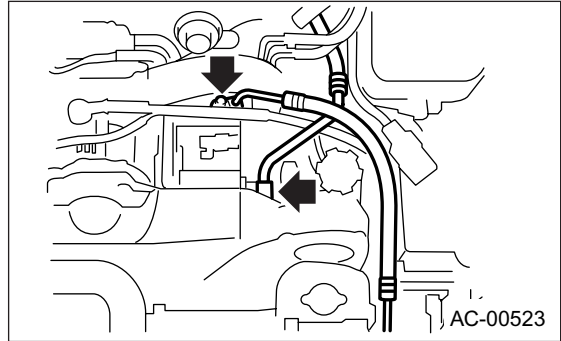


3) Make sure the magnet clutch engages.
If NG, replace the compressor.

B: REMOVAL

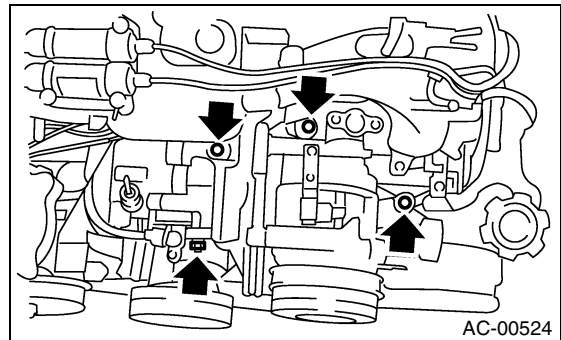
1) Perform the compressor oil return operation.
<Ref. to AC-21, OPERATION, Compressor Oil.>
2) Turn A/C switch OFF and stop the engine.
3) Using refrigerant recovery system, discharge refrigerant. <Ref. to AC-16, OPERATION, Refrigerant Recovery Procedure.>
4) Disconnect the ground terminal from battery.
5) Remove the V-belt. <Ref. to ME(H4SO)-42, REMOVAL, V-belt.> or <Ref. to ME(H4DOTC)-44, REMOVAL, V-belt.>
6) Remove the generator. <Ref. to SC(H4SO)-13, REMOVAL, Generator.>

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

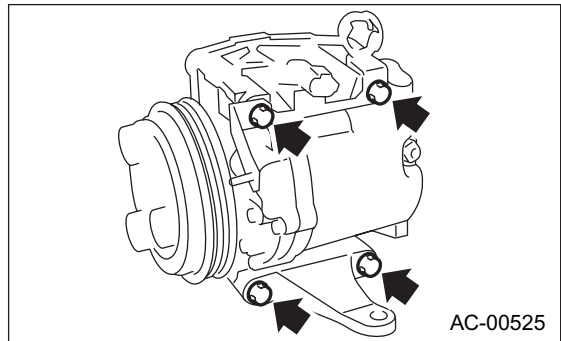


8) Disconnect the compressor harness from body harness.

9) Loosen the bolts to remove compressor bracket.



10) Remove the bolts and then separate 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 the compressor, adjust amount of compressor oil. <Ref. to AC-21, OPERATION, Compressor Oil.>
4) Charge refrigerant. <Ref. to AC-17, OPERATION, Refrigerant Charging Procedure.>