

COMPRESSOR AND MAGNETIC CLUTCH

AC2R5-01

ON-VEHICLE INSPECTION

1. **INSTALL MANIFOLD GAUGE SET** (See page [AC-19](#))
2. **START ENGINE**
3. **INSPECT COMPRESSOR FOR METALLIC SOUND**
Check if there is a metallic sound from the compressor when the A/C switch is on.

If metallic sound is heard, replace the compressor assembly.

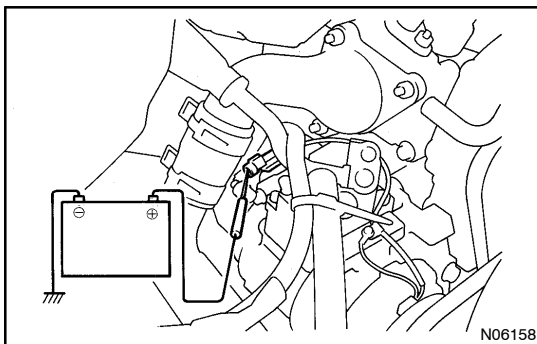
4. **INSPECT REFRIGERANT PRESSURE** (See page [AC-5](#))
5. **STOP ENGINE**
6. **INSPECT VISUALLY FOR LEAKAGE OF REFRIGERANT FROM SAFETY SEAL**

Using a gas leak detector, check for leakage of refrigerant.

If there is any leakage, replace the compressor assembly.

7. **REMOVE MANIFOLD GAUGE SET** (See page [AC-20](#))
8. **MAKE THESE VISUAL CHECKS:**
 - (a) Leakage of grease from the clutch bearing.
 - (b) Signs of oil on the pressure plate or rotor.
Repair or replace, as necessary.
9. **INSPECT MAGNETIC CLUTCH BEARING FOR NOISE**
 - (a) Start engine.
 - (b) Check for abnormal noise from near the compressor when the A/C switch is OFF.

If abnormal noise is being emitted, replace the magnetic clutch.



10. **INSPECT MAGNETIC CLUTCH**
 - (a) Disconnect the connector from the magnetic clutch.
 - (b) Connect the positive (+) lead from the battery to the terminal on the magnetic clutch connector and the negative (-) lead to the body ground.
 - (c) Check that the magnetic clutch is energized.
If operation is not as specified, replace the magnetic clutch.