

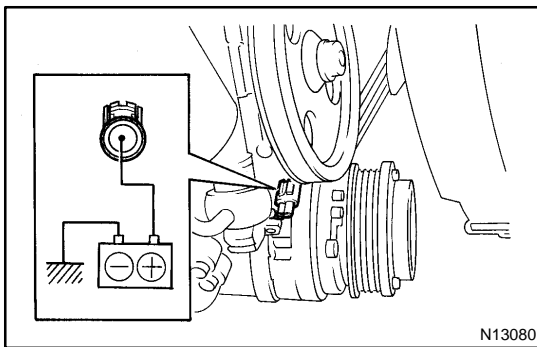
COMPRESSOR AND MAGNETIC CLUTCH

AC0CZ-02

ON-VEHICLE INSPECTION

1. **SET ON 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-3)
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. **SET OFF MANIFOLD GAUGE SET (See page AC-20)**
8. **CHECK FOR LEAKAGE OF GREASE FROM CLUTCH BEARING**
9. **CHECK FOR SIGNS OF OIL ON PRESSURE PLATE**
If necessary, repair or replace.
10. **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.



11. **INSPECT MAGNETIC CLUTCH OPERATION**
 - (a) Disconnect the connector.
 - (b) Connect the positive (+) lead from the battery to 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.