

# COMPRESSOR AND MAGNETIC CLUTCH

AC07W-01

## 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 an abnormal metallic sound from the compressor when the A/C switch is on.

If abnormal metallic sound is heard, replace the compressor assembly.

### 4. INSPECT REFRIGERANT PRESSURE

See "ON-VEHICLE INSPECTION" of AIR CONDITIONING SYSTEM on 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. MAKE THESE VISUAL CHECK:

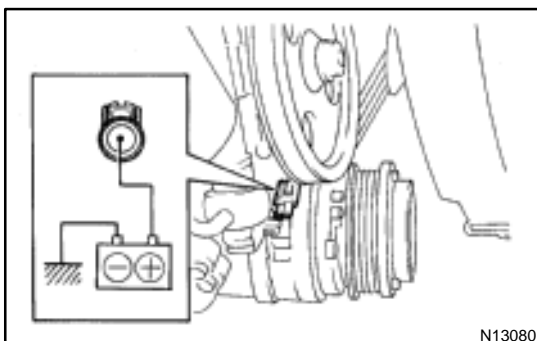
- (a) Leakage of grease from the clutch bearing.
- (b) Signs of oil on the pressure plate

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 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.