

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:**

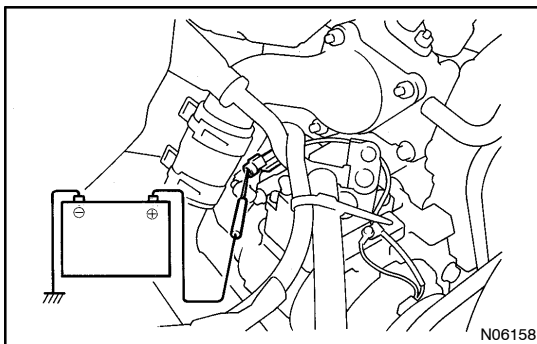
- (a) Leakage of grease from the clutch bearing.
- (b) Signs of oil on the pressure plate or rotor.

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.