

COMPRESSOR AND MAGNETIC CLUTCH

AC2R5-01

ON-VEHICLE INSPECTION

1. INSTALL MANIFOLD GAUGE SET (See page AC-18)

2. START ENGINE

Run the engine at 1,500 rpm.

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-19)

8. MAKE THESE VISUAL CHECKS:

(a) Leakage of grease from the clutch bearing.

(b) Signs of oil on the pressure plate or rotor.

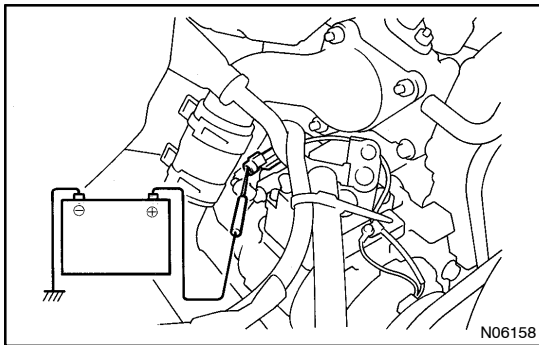
Repair or replace, as necessary.

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.