

COMPRESSOR AND MAGNETIC CLUTCH

ON-VEHICLE INSPECTION

AC00D-01

1. SET ON MANIFOLD GAUGE SET

(See page AC-17)

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 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-18)

8. MAKE THESE VISUAL CHECK:

(a) Leakage of grease from the clutch bearing.

(b) Signs of oil on the pressure plate.

If necessary, repair or replace.

9. INSPECT MAGNETIC CLUTCH BEARING FOR NOISE

(a) Start engine.

(b) Check for abnormal noise 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.

