

# COMPRESSOR AND MAGNETIC CLUTCH

## ON-VEHICLE INSPECTION

AC247-01

**1. SET ON MANIFOLD GAUGE SET**

(See [page AC-18](#))

**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-19](#))

**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 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**

(See [page DI-847](#))

**12. INSPECT COMPRESSOR LOCK SENSOR RESISTANCE** (See [page DI-801](#))