

COMPRESSOR AND MAGNETIC CLUTCH

ON-VEHICLE INSPECTION

AC07W-01

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:

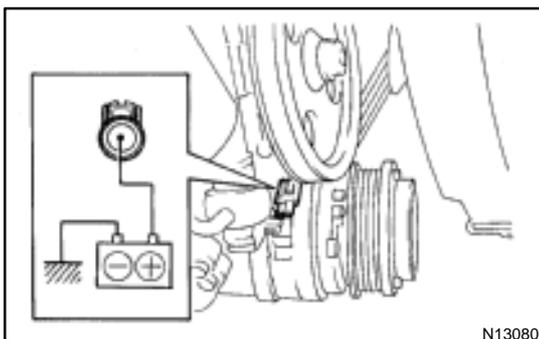
- (a) Leakage of grease from the clutch bearing.
- (b) Signs of oil on the pressure plate

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.



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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.