

COMPRESSOR AND MAGNETIC CLUTCH

ON-VEHICLE INSPECTION

AC07W-01

1. SET ON MANIFOLD GAUGE SET (See page AC-19)
2. START ENGINE
3. CHECK METALLIC SOUND OF COMPRESSOR

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. CHECK REFRIGERANT PRESSURE (See page AC-3)
5. STOP ENGINE

6. CHECK REFRIGERANT LEAK OF 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. CHECK GREASE LEAK OF CLUTCH BEARING
9. CHECK SIGN OF OIL ON PRESSURE PLATE

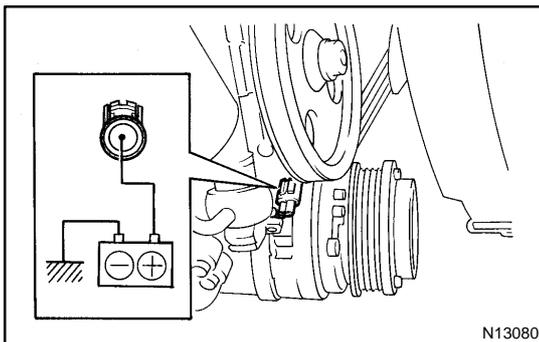
If necessary, repair or replace.

10. CHECK NOISE OF MAGNETIC CLUTCH BEARING

(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.



11. 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.