

COMPRESSOR AND MAGNETIC CLUTCH

AC1ET-02

ON-VEHICLE INSPECTION

1. INSPECT COMPRESSOR FOR METALLIC SOUND

Check there is abnormal metallic sound from the compressor when the A/C switch is ON.

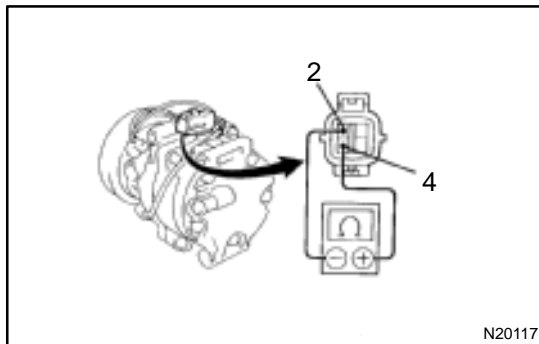
If abnormal metallic sound is heard, replace the compressor assembly.

2. INSPECT REFRIGERANT PRESSURE

(See page AC-3)

3. INSPECT VISUALLY FOR LEAKAGE OF REFRIGERANT

Using a gas leak detector, check for leakage of refrigerant. If there is any leakage, replace the compressor assembly.



4. INSPECT COMPRESSOR LOCK SENSOR RESISTANCE

- (a) Disconnect the connector.
- (b) Measure resistance between terminals 2 and 4.

Standard resistance:

$240 \pm 80 \Omega$ at 20°C (68°F)

If resistance is not as specified, replace the sensor.

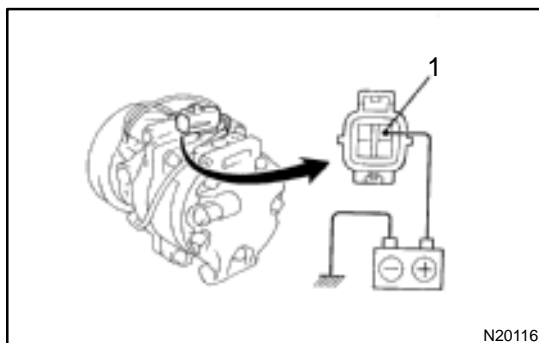
5. MAKE THESE VISUAL CHECKS:

- (a) Leakage of grease from the clutch bearing
- (b) Signs of oil on the pressure plate or rotor.
- (c) Repair or replace, as necessary.

6. INSPECT MAGNETIC CLUTCH BEARING FOR NOISE

- (a) Start engine.
- (b) Check for abnormal noise from the compressor when the A/C switch is OFF.

If abnormal noise is being emitted, replace the magnetic clutch.



7. INSPECT MAGNETIC CLUTCH OPERATION

- (a) Disconnect the connector.
- (b) Connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to the body ground.
- (c) Check that the magnetic clutch energized.

If operation is not as specified, replace the magnetic clutch.