

# COOLER/COMPRESSOR ASSY (G.C.C.)

## ON-VEHICLE INSPECTION

### 1. INSPECT COMPRESSOR FOR METALLIC SOUND

- (a) Check if there is abnormal metallic sound from the compressor when the A/C switch is ON and magnet clutch ON.

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

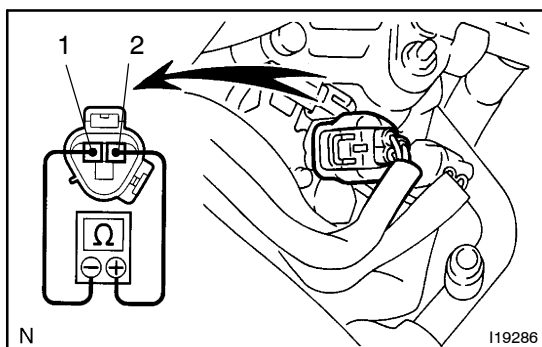
### 2. INSPECT REFRIGERANT PRESSURE

(SEE PAGE 55-5)

### 3. INSPECT LEAKAGE OF REFRIGERANT

- (a) 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 1 and 2.

**Standard resistance: 160 to 320  $\Omega$  at 20°C (68°F)**

If resistance is not as specified, replace the sensor.

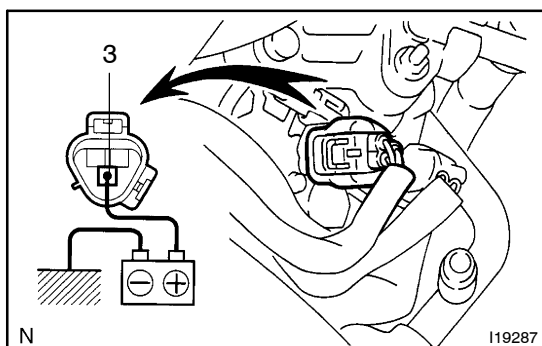
### 5. CHECK FOR LEAKAGE OF GREASE FROM CLUTCH BEARING

### 6. CHECK FOR SIGNS OF OIL ON PRESSURE PLATE OR ROTOR

### 7. INSPECT MAGNETIC CLUTCH BEARING FOR NOISE

- (a) Start the 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.



### 8. INSPECT MAGNET CLUTCH OPERATION

- (a) Disconnect the magnet clutch connector.  
(b) Connect the positive (+) lead from the battery to terminal 3 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.