

MASS AIR FLOW (MAF) METER INSPECTION

SF1YQ-01

1. INSPECT OUTPUT VOLTAGE

- Apply battery voltage across terminals 1 (+B) and 2 (E2G).
- Connect the positive (+) tester probe to terminal 3 (VG), and the negative (-) tester probe to terminal 2 (E2G).
- Blow air into the MAF meter, and check if the voltage fluctuates.

2. INSPECT RESISTANCE

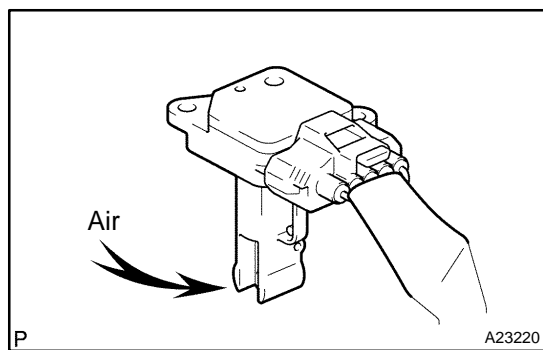
Using an ohmmeter, measure the resistance between terminals 4 (THA) and 5 (E2).

Resistance:

13.6 to 18.4 kΩ at -20°C (-4°F)

2.21 to 2.69 kΩ at 20°C (68°F)

0.49 to 0.67 kΩ at 60°C (140°F)



3. INSPECT MASS AIR FLOW METER

- If using a hand-held tester:
 - Connect the hand-held tester to the DLC3.
 - Turn the ignition switch to the ON position.
 - Enter the following menus: DIAGNOSIS / ENHANCED OBD II / DATA LIST / MAF
 - Blow air into the MAF meter, and check that the air flow value of the CURRENT DATA changes.

If operation is not as specified, check the MAF meter (see page [DI-98](#)) as well as the wiring and the ECM.

- If not using a hand-held tester:

- Turn the ignition switch to the ON position.
- Connect the positive tester probe of the voltmeter to terminal VG of the ECM and the negative tester probe of the voltmeter to terminal E2G of the ECM.
- Blow air into the air flow meter, and check if the voltage fluctuates.

If operation is not as specified, check the MAF meter (see page [DI-98](#)), the wiring and the ECM.

