

## INTAKE AIR TEMPERATURE (IAT) SENSOR INSPECTION [SKYACTIV-G 2.0]

id0140f4802200

### IAT Sensor No.1

#### Resistance inspection

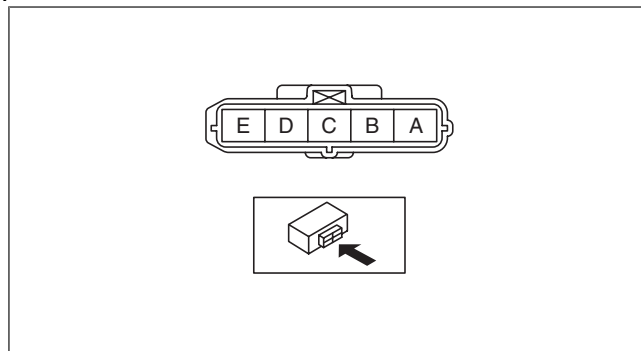
##### Note

- Because the IAT sensor No.1 is integrated in the MAF sensor, replacing the IAT sensor No.1 includes replacement of the MAF sensor/IAT sensor No.1.

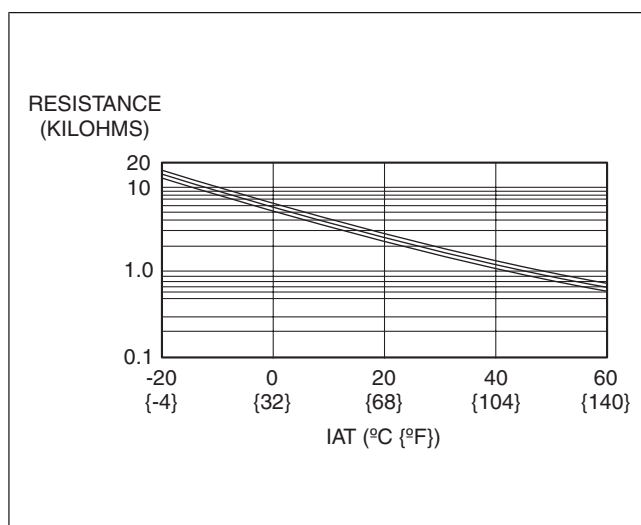
- Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0 (WITHOUT i-stop)].)
- Disconnect the MAF sensor/IAT sensor No.1 connector.
- Measure the resistance between MAF sensor/IAT sensor No.1 terminals A and B.
  - If not as specified, replace the MAF sensor/IAT sensor No.1. (See MASS AIR FLOW (MAF) SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOR NO.1 REMOVAL/INSTALLATION [SKYACTIV-G 2.0].)

#### Specification

IAT (°C {°F})	Resistance (Kilohms)
-20 {-4}	13.7—16.6
20 {68}	2.49—2.79
60 {140}	0.622—0.703



ac5wzw00000281



am3zzw00012570

### IAT Sensor No.2

#### Resistance inspection

##### Note

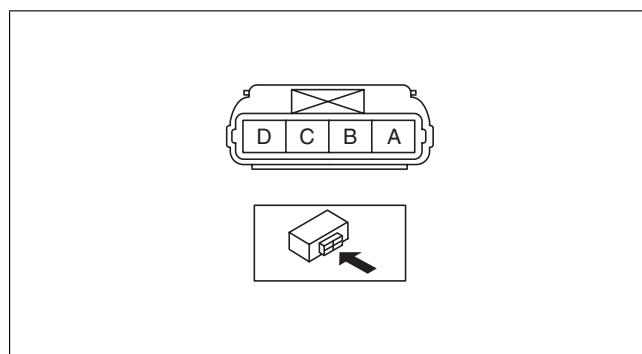
- Because the IAT sensor No.2 is integrated in the MAP sensor, replacing the IAT sensor No.2 includes replacement of the MAP sensor/IAT sensor No.2.

- Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0 (WITHOUT i-stop)].)
- Disconnect the MAP sensor/IAT sensor No.2 connector.
- Remove the MAP sensor/IAT sensor No.2. (See MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2 REMOVAL/INSTALLATION [SKYACTIV-G 2.0].)

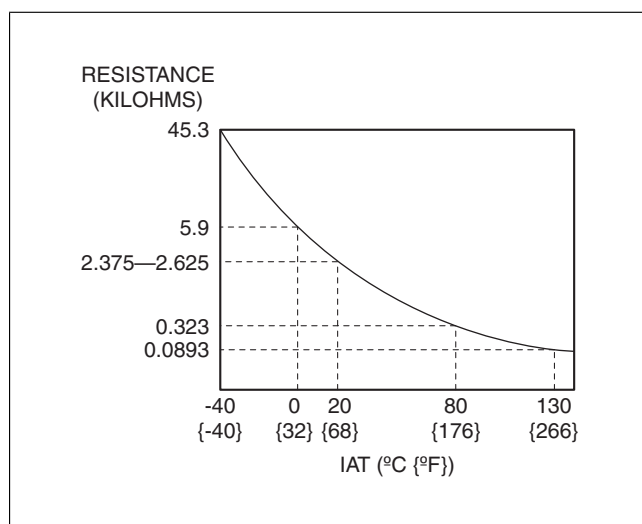
4. Measure the resistance between MAP sensor/IAT sensor No.2 terminals A and B.
- If not as specified, replace the MAP sensor/IAT sensor No.2. (See MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2 REMOVAL/INSTALLATION [SKYACTIV-G 2.0].)

#### Specification

IAT (°C {°F})	Resistance (Kilohms)
0 {32}	Approx. 5.9
20 {68}	2.375—2.625
80 {176}	Approx. 0.323
130 {266}	Approx. 0.0893



am3uuw00007218



am3zzw00012571