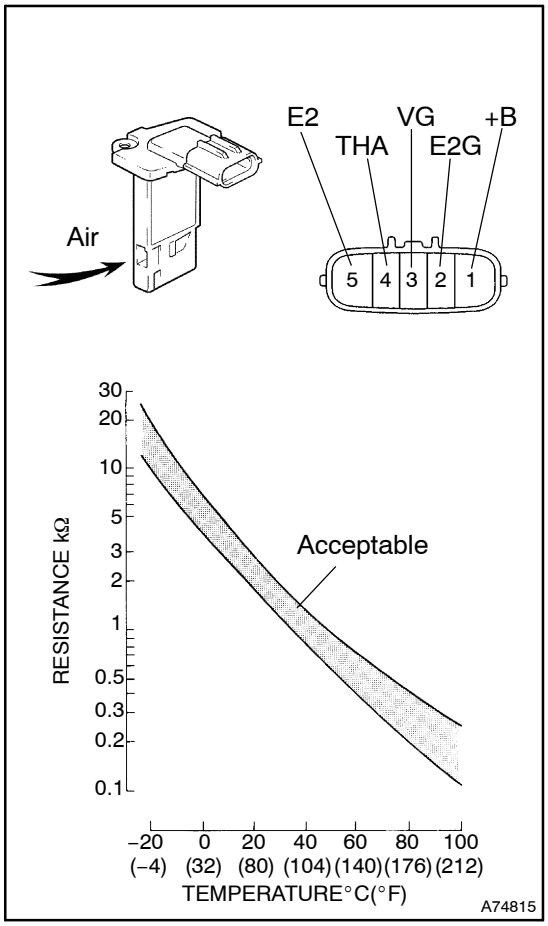
100C5–01

INSPECTION



1. MASS AIR FLOW METER (UNLEADED GASOLINE)

(a) Output voltage inspection.

(1) Apply battery voltage across terminals 1 (+B) and 2 (E2G).

(2) Using a voltmeter, connect the positive (+) tester prove to terminal 3 (VG), and negative (–) tester prove to terminal 2 (E2G).

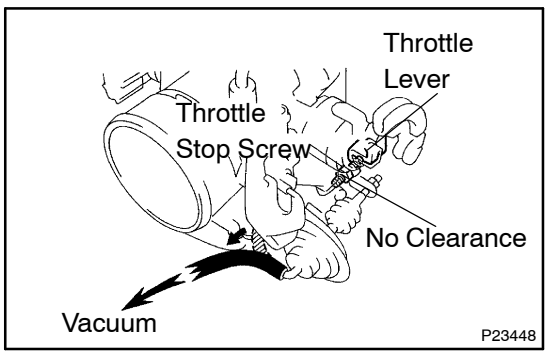
(3) Blow air into the MAF meter, and check that the voltage fluctuates.

(b) Resistance inspection.

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

Resistance:

12.5 – 16.9 kΩ at–20°C (–4°F)
2.19 – 2.67 kΩ at 20°C (68°F)
0.50 – 0.68 kΩ at 60°C (140°F)



2. THROTTLE BODY ASSY

(a) Check throttle body.

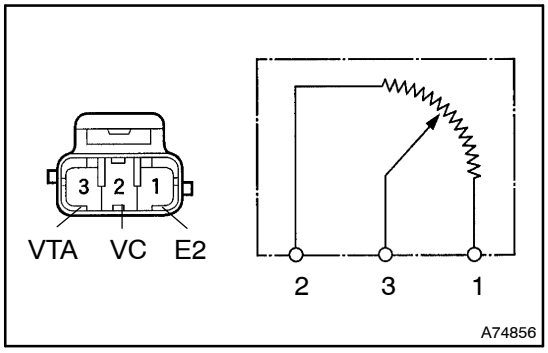
(1) Check that throttle valve shaft is not rickety.

(2) Check that each port is not stopped up.

(3) Check that throttle valve opens and closes smoothly.

(4) Apply vacuum to the throttle opener.

(5) Check that there is no clearance between the throttle stop screw and throttle lever when the closed throttle position.



(b) Resistance inspection.

(1) Using an ohmmeter, measure the resistance between terminals 2 (VC) and 1 (E2).

Resistance: 2.5 – 6.0 kΩ

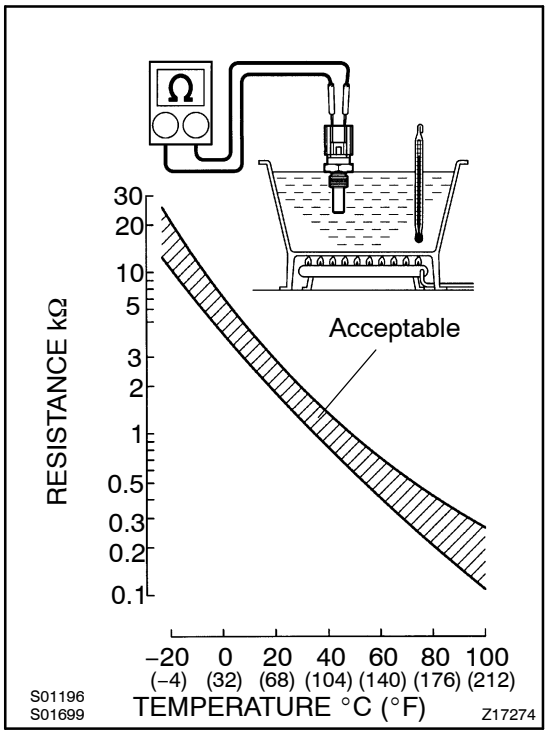
(2) Check the change of resistance between terminals 3 (VTA) and 1 (E2).

Change of resistance:

The resistance value increases in proportion to the throttle lever opening value.

HINT:

Throttle valve	Resistance
Fully open	0.2 – 5.7 kΩ
Fully close	2.0 – 10.2 kΩ



3. ENGINE COOLANT TEMPERATURE SENSOR

(a) Resistance inspection.

(1) Using an ohmmeter, measure the resistance between terminals.

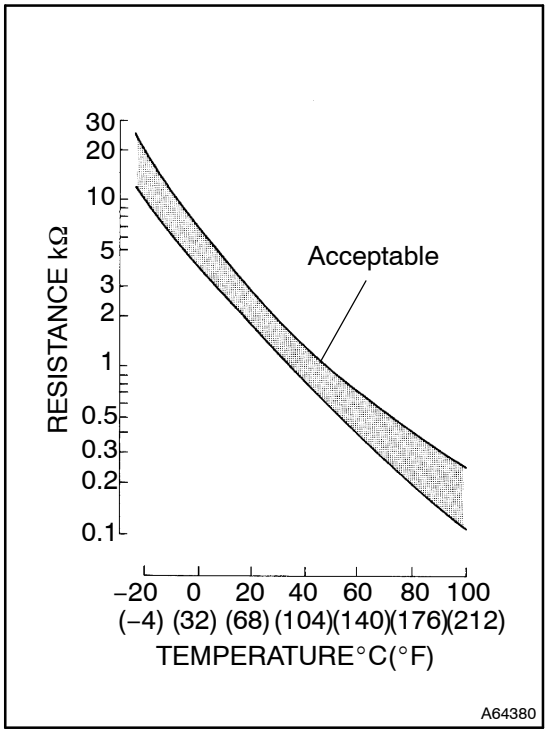
Resistance:

2.32 – 2.59 kΩ at 20 °C (68 °F)

0.310 – 0.326 kΩ at 80 °C (176 °F)

NOTICE:

In case of checking the water temperature sensor in the water, be careful not to allow water to go into the terminals, and after checking, wipe out the sensor.

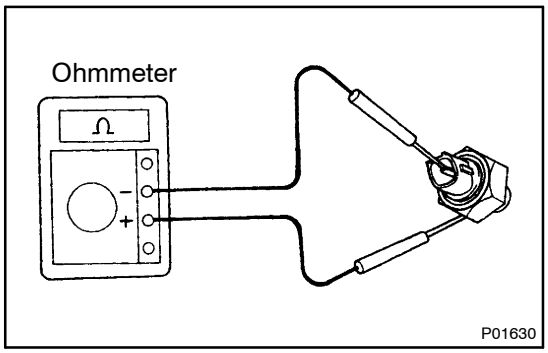


4. INTAKE AIR TEMPERATURE SENSOR (LEADED GASOLINE)

(a) Resistance inspection.

(1) Using an ohmmeter, measure the resistance between terminals.

Resistance: 2.21 – 2.69 kΩ at 20°C (68°F)

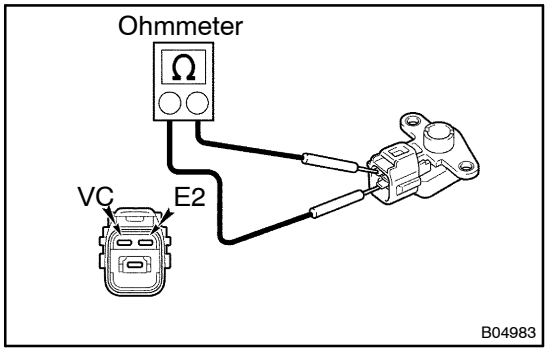


5. KNOCK SENSOR

(a) Continuity inspection.

(1) Using an ohmmeter,check that these is no continuity between the terminal and body.

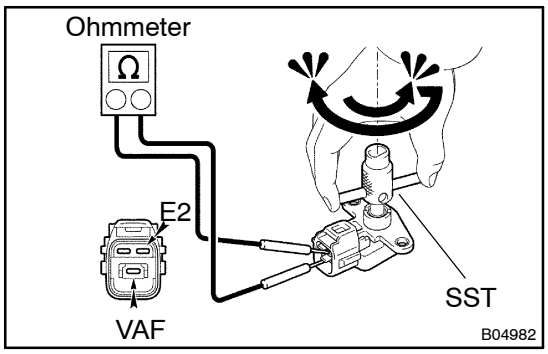
Specified condition: No continuity



6. VARIABLE RESISTOR (LEADED GASOLINE)

(a) Using an ohmmeter, measure the resistance between terminals VC and E2 of the variable resistor.

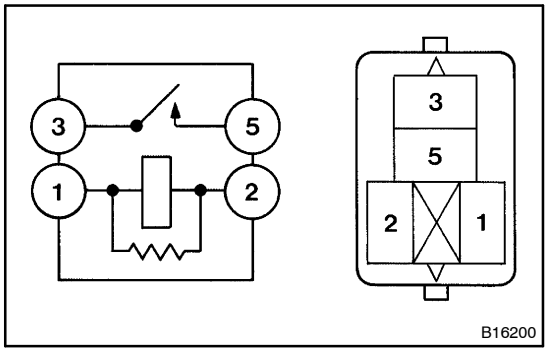
Resistance: 3.5 – 6.5 kΩ



(b) Using SST, turn the idle mixture adjusting screw fully counterclockwise.

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(c) Connect the ohmmeter to terminals VAF and E2 of the variable resistor, and turn the idle mixture adjusting screw fully clockwise and check that the resistance value changes from approx. 5 kΩ to 0 Ω accordingly.



7. E.F.I. CIRCUIT OPENING RELAY ASSY

(a) Continuity inspection.

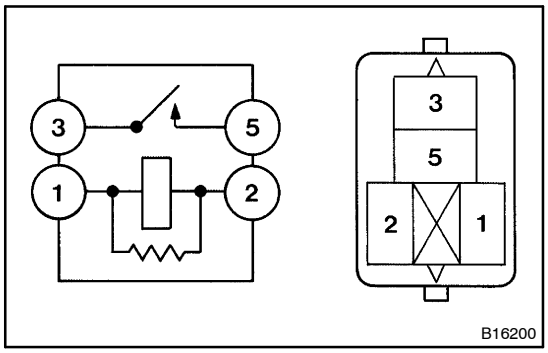
(1) Using an ohmmeter, check that there is continuity between each terminal.

Specified condition:

Between terminals	Specified condition
1 – 2	Continuity
3 – 5	No continuity

(2) Using an ohmmeter, check that there is continuity between terminals 3 and 5 when the battery voltage is applied across terminals 1 and 2.

Specified condition: Continuity



8. MAIN RELAY

(a) Continuity inspection.

(1) Using an ohmmeter, check that there is continuity between each terminal.

Specified condition:

Between terminals	Specified condition
1 – 2	Continuity
3 – 5	No continuity

(2) Using an ohmmeter, check that there is continuity between terminals 3 and 5 when the battery voltage is applied across terminals 1 and 2.

Specified condition: Continuity