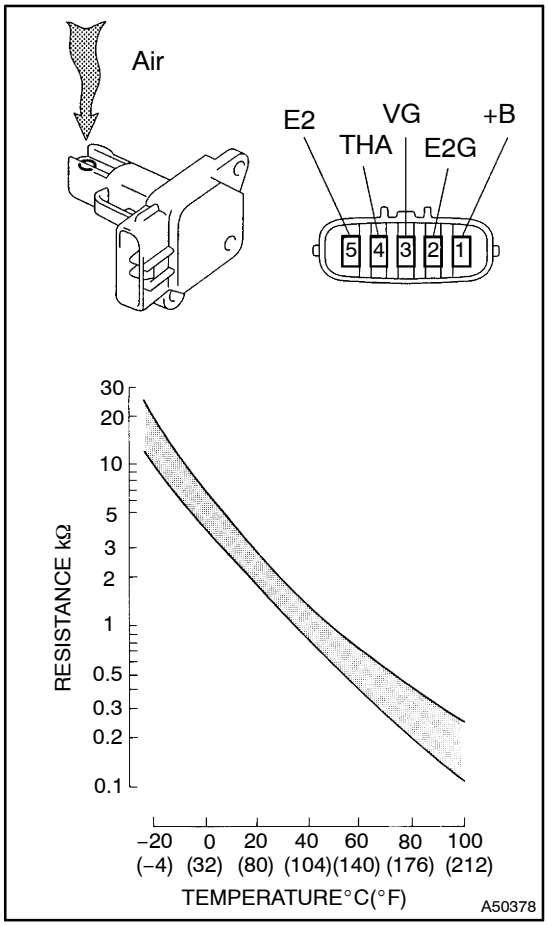
1006M–01

INSPECTION



1. INTAKE AIR FLOW METER SUB–ASSY

(a) Output voltage inspection.
  (1) Apply battery voltage across terminals 1 (+B) and 2 (E2G).
  (2) Using a voltmeter, connect the positive (+) tester probe to terminal VG, and negative (–) tester probe to terminal E2G.
  (3) Blow air into the MAF meter, and check that the voltage fluctuates.

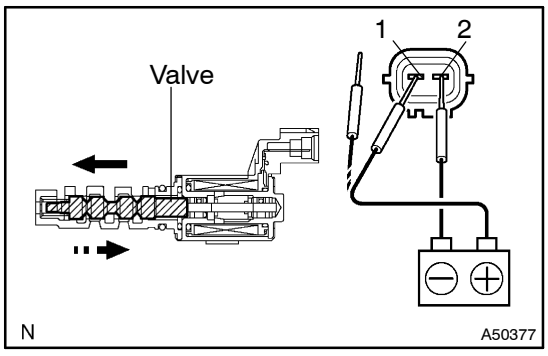
(b) Resistance inspection.
  (1) Using an ohmmeter, measure the resistance between terminals 4 (THA) and 5 (E2).

Resistance:
–20°C (–4°F) 13.6 – 18.4 kΩ
20°C (68°F) 2.21 – 2.69 kΩ
60°C (140°F) 0.493 – 0.667 kΩ

2. CAMSHAFT TIMING OIL CONTROL VALVE ASSY

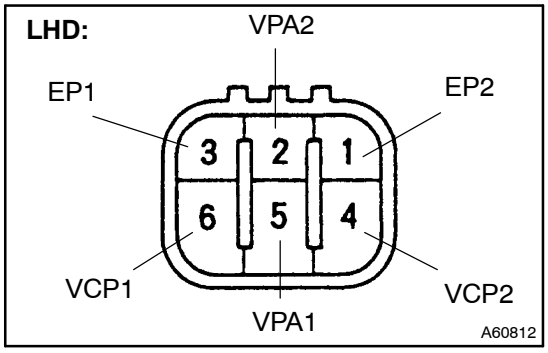
(a) Resistance inspection.
  (1) Using an ohmmeter, measure the resistance between the terminals.

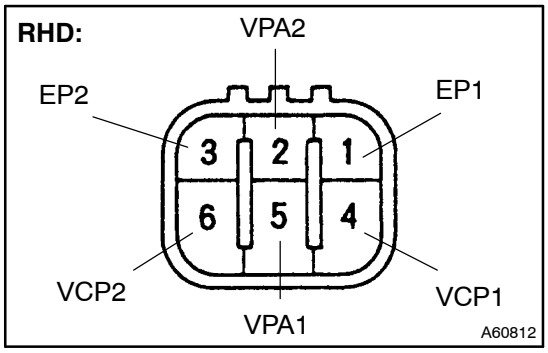
Resistance: 6.9 – 7.9 Ω at 20°C (68°F)



(b) Movement inspection.
  (1) Connect the positive (+) lead from the battery to terminal 1 and negative (–) lead to terminal 2, and check the movement of the valve.

NOTICE:
Confirm the valve does not adhere.
HINT:
Bad returning of the valve by entrance of foreign objects causes subtle pressure leak to the advanced direction. Then, DTC can be detected.





3. ACCELERATOR PEDAL ASSY

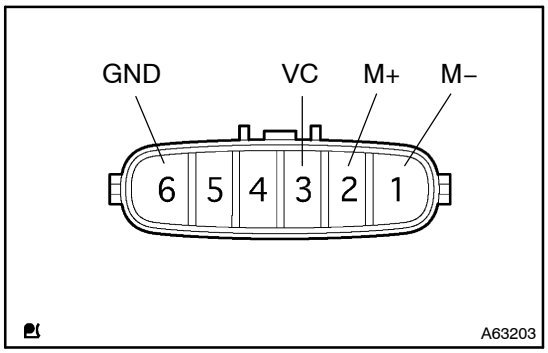
(a) Resistance inspection
(1) Using an ohmmeter, measure the resistance between the terminals.

Resistance (LHD):

Terminal No.	Resistance
2 (VPA2) ⇔ 3 (EP1)	5.0 kΩ or less
5 (VPA1) ⇔ 1 (EP2)	5.0 kΩ or less
6 (VCP1) ⇔ 3 (EP1)	2.25 – 4.75 kΩ
4 (VCP2) ⇔ 1 (EP2)	2.25 – 4.75 kΩ

Resistance (RHD):

Terminal No.	Resistance
2 (VPA2) ⇔ 1 (EP1)	5.0 kΩ or less
5 (VPA1) ⇔ 3 (EP2)	5.0 kΩ or less
4 (VCP1) ⇔ 1 (EP1)	2.25 – 4.75 kΩ
6 (VCP2) ⇔ 3 (EP2)	2.25 – 4.75 kΩ

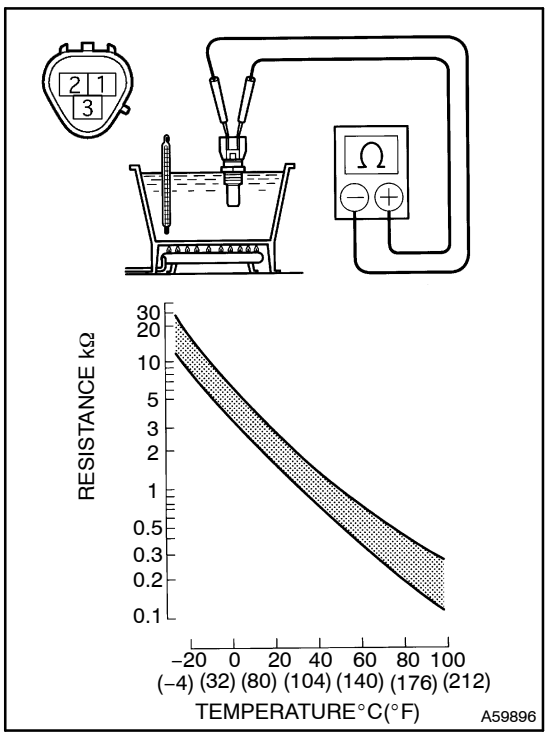


4. THROTTLE BODY ASSY

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

Resistance:

Terminal No.	Resistance
3 (VC) ⇔ 6 (GND)	1.2 – 3.2 kΩ at 20°C (68°F)
2 (M+) ⇔ 1 (M–)	0.3 – 100 kΩ at 20°C (68°F)

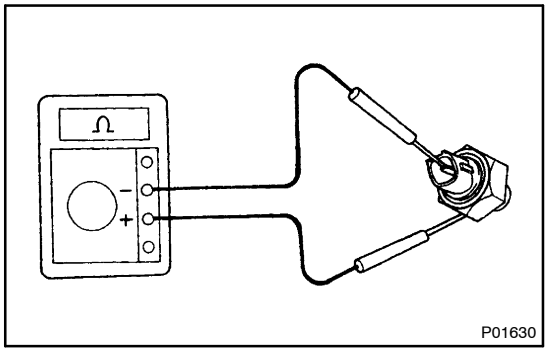


5. E.F.I. ENGINE COOLANT TEMPERATURE SENSOR

(a) Resistance inspection.
(1) Using an ohmmeter, measure the resistance between terminal 1 and 2.

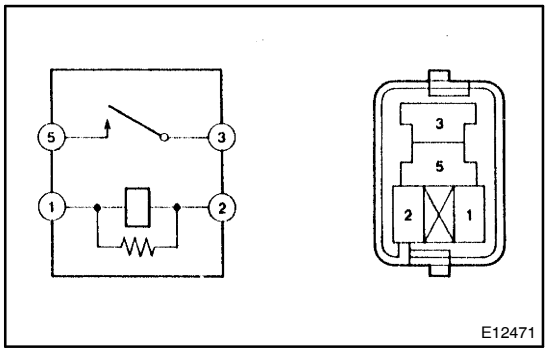
Resistance:
Approx. 20°C (68°F) 2.29 – 2.6 kΩ
Approx. 80°C (176°F) 0.300 – 0.327 kΩ

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.



6. KNOCK CONTROL SENSOR

(a) Continuity inspection.
(1) Using an ohmmeter, check that no continuity exists between the terminal and body.



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

(a) Continuity inspection.
(1) Using an ohmmeter, check that continuity exists between each terminal.

Specified condition:
Between terminal 1 and 2 Continuity
Between terminal 3 and 5 No continuity

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