

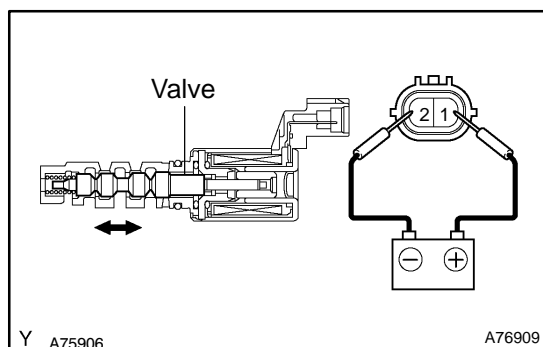
INSPECTION

1. INSPECT 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 catching foreign objects causes subtle pressure leak to the advanced direction. DTC could be detected.

2. INSPECT MASS AIR FLOW METER

(a) Output voltage inspection.

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

(b) Resistance inspection.

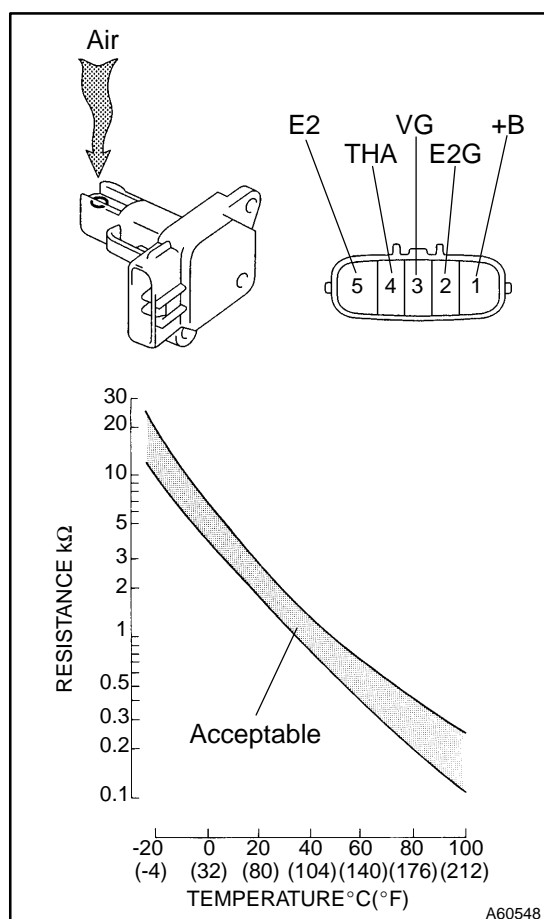
- (1) Using an ohmmeter, measure resistance between the terminals 4 (THA) and 5 (E2).

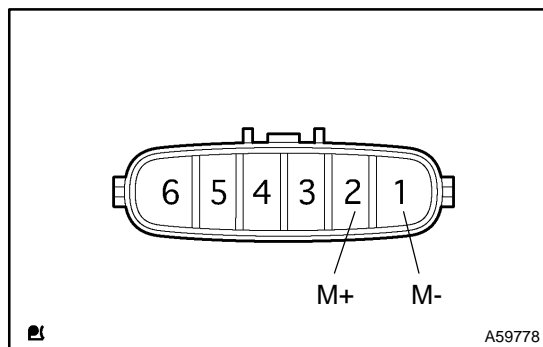
Resistance:

13.6 - 18.4 k Ω at 20°C (-4 °F)

2.21 - 2.69 k Ω at 20°C (68°F)

0.49 - 0.67 k Ω at 60°C (140°F)



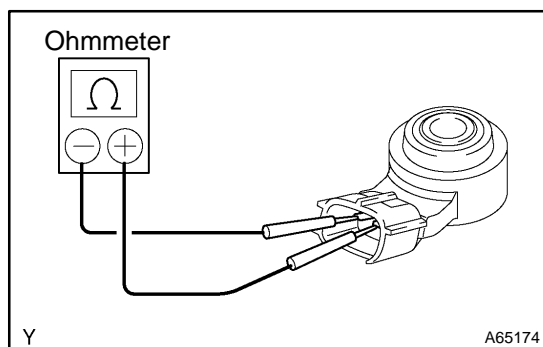


3. INSPECT THROTTLE W/MOTOR BODY ASSY

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

Resistance:

Terminal No.	Resistance
2 (M+) \leftrightarrow 1 (M-)	0.3 - 100 Ω at 20 °C (68 °F)



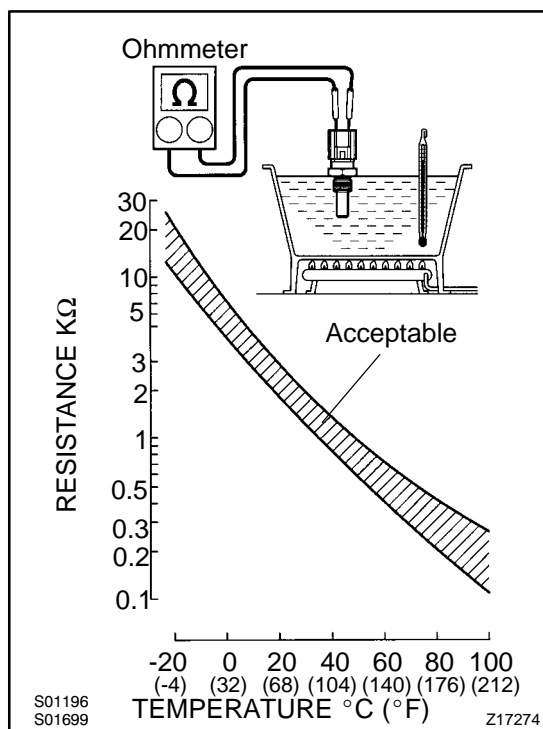
4. INSPECT KNOCK SENSOR

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

Resistance: 120 - 280 k Ω at 20 °C (68 °F)

HINT:

If the resistance is not as specified, replace the sensor.



5. INSPECT ENGINE COOLANT TEMPERATURE SENSOR

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

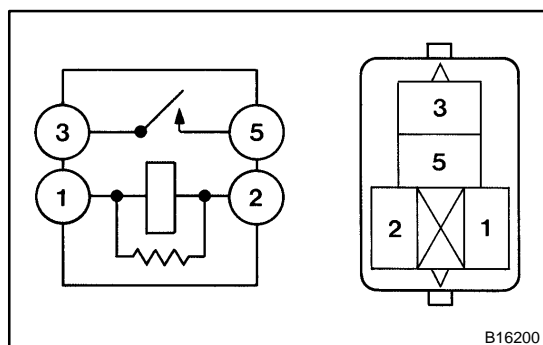
Resistance:

2.32 - 2.59 k Ω at 20 °C (68 °F)

0.310 - 0.326 k Ω at 80 °C (176 °F)

NOTICE:

When inspecting the water temperature sensor in water, prevent water flow into the terminals. After inspection, wipe the water off from the sensor.



6. INSPECT CIRCUIT OPENING RELAY

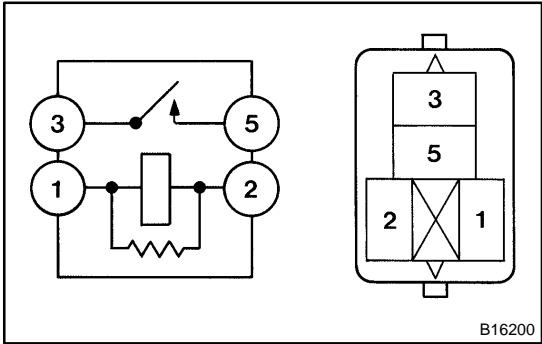
- (a) Continuity inspection.
(1) Using an ohmmeter, check for continuity between each terminal.

Specified condition:

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

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

Specified condition: Continuity



7. INSPECT EFI RELAY

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

Specified condition:

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

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

Specified condition: Continuity