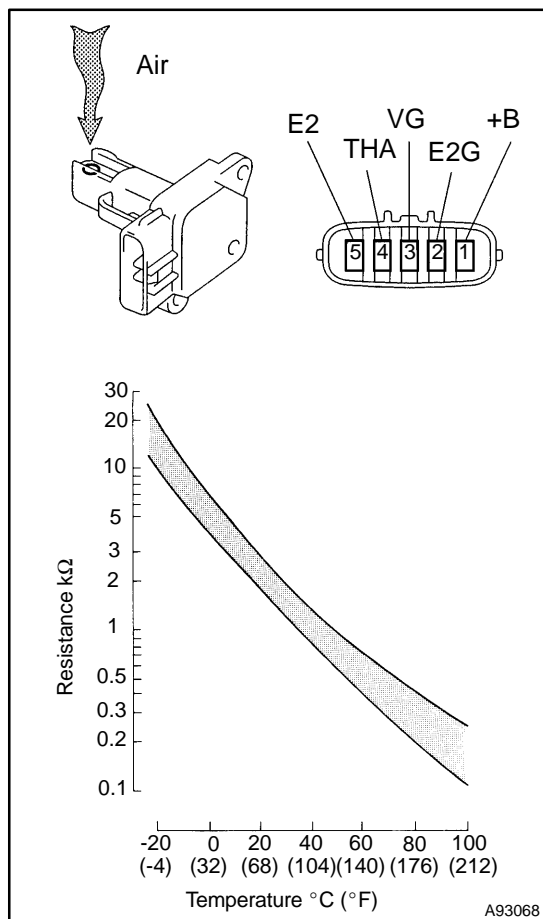


# INSPECTION



## 1. INSPECT MASS AIR FLOW METER

- Check the output voltage.
  - Apply battery voltage across terminals 1 (+B) and 2 (E2G).
  - Connect the positive (+) tester probe to terminal 3 (VG), and negative (-) tester probe to terminal 2 (E2G).
  - Blow air into the Mass Air Flow (MAF) meter, and check that the voltage fluctuates.
- Measure the resistance between terminals 4 (THA) and 5 (E2).

### Standard:

Condition	Specified Condition
-20 °C (-4 °F)	13.6 to 18.4 kΩ
20 °C (68 °F)	2.21 to 2.69 kΩ
60 °C (140 °F)	0.493 to 0.667 kΩ

If the result is not as specified, replace the MAF meter.

## 2. INSPECT CAMSHAFT TIMING OIL CONTROL VALVE ASSY

- Measure the resistance between the terminals.

**Standard: 6.9 to 7.9 Ω at 20 °C (68 °F)**

If the result is not as specified, replace the OCV assy.

- Connect the battery's positive (+) lead to terminal 1 and negative (-) lead to terminal 2, and check the movement of the valve.

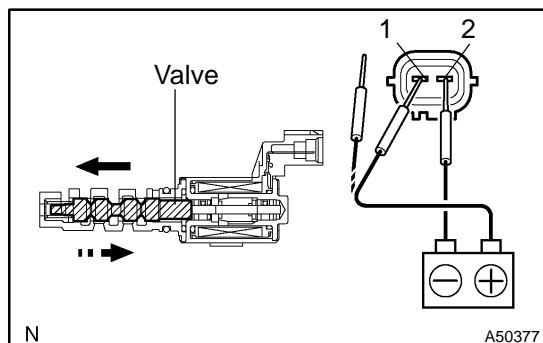
### NOTICE:

**Confirm that the valve moves freely and does not become stuck in any position.**

If necessary, replace the OCV assy.

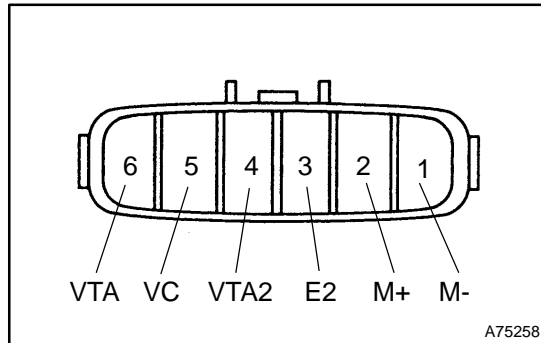
### HINT:

If the valve cannot return properly because of foreign matter, a small pressure leak in the advanced direction may occur and a DTC will be output.



### 3. INSPECT ACCELERATOR PEDAL ROD ASSY

- (a) Check the accelerator pedal position sensor (see page 05-102 ).



### 4. INSPECT THROTTLE BODY ASSY

- (a) Check the throttle position sensor (see page 05-469 ).  
 (b) Check the throttle control motor.  
 (1) Measure the resistance between terminals 2 (M+) and 1 (M-).

**Resistance: 0.3 to 100  $\Omega$  at 20°C (68°F)**

If the result is not as specified, replace the throttle body assy.

### 5. INSPECT ENGINE COOLANT TEMPERATURE SENSOR

- (a) Measure the resistance between terminals 1 and 2.

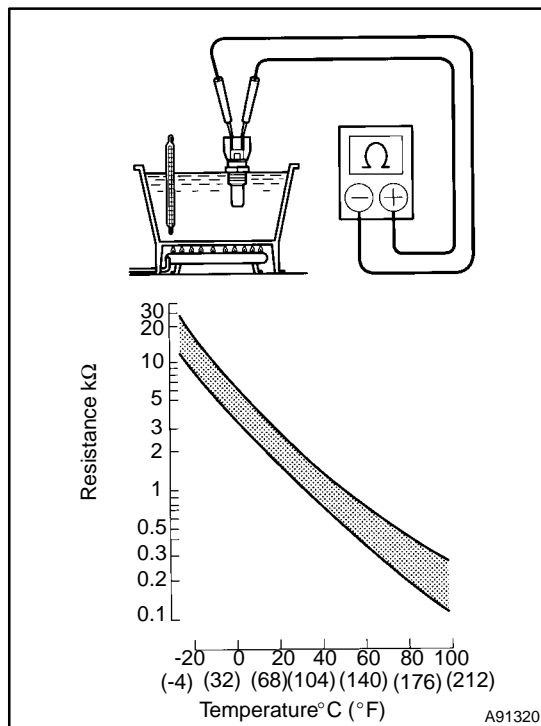
**Standard:**

Condition	Specified Condition
20°C (68°F)	2.32 to 2.59 k $\Omega$
80°C (176°F)	0.310 to 0.326 k $\Omega$

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

**NOTICE:**

**If checking the ECT sensor in the water, keep the terminals dry. After the check, wipe the sensor dry.**

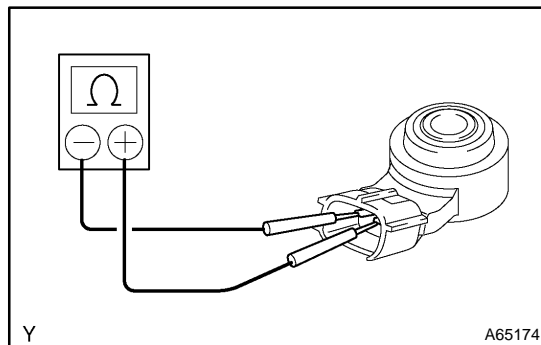


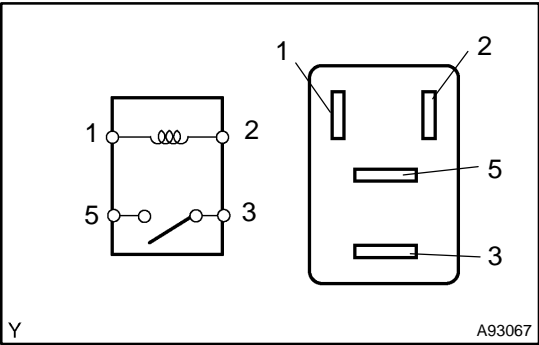
### 6. INSPECT KNOCK SENSOR

- (a) Measure the resistance between the terminals.

**Standard: 120 to 280 k $\Omega$  at 20°C (68°F)**

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





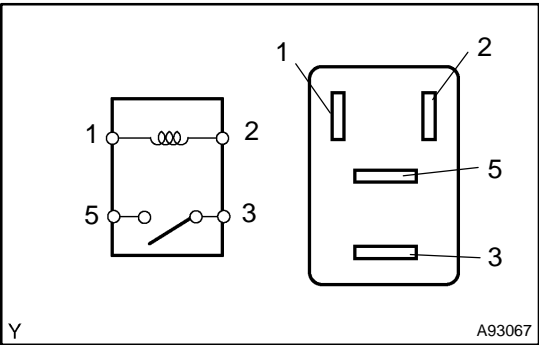
**7. INSPECT RELAY (Marking: EFI, A/F)**

- (a) Remove the EFI relay from the engine room J/B.
- (b) Remove the A/F relay from the engine room R/B No. 2.
- (c) Measure the resistance of the relay.

**Standard:**

Tester Connection	Specified Condition
3 - 5	10 kΩ or higher
3 - 5	Below 1Ω (when battery voltage is applied to terminals 1 and 2)

If the result is not as specified, replace the relay.



**8. INSPECT CIRCUIT OPENING RELAY**

- (a) Remove the circuit opening relay from the R/B sub-assy
- (b) Measure the resistance of the relay.

**Standard:**

Tester Connection	Specified Condition
3 - 5	10 kΩ or higher
3 - 5	Below 1Ω (when battery voltage is applied to terminals 1 and 2)

If the result is not as specified, replace the relay.