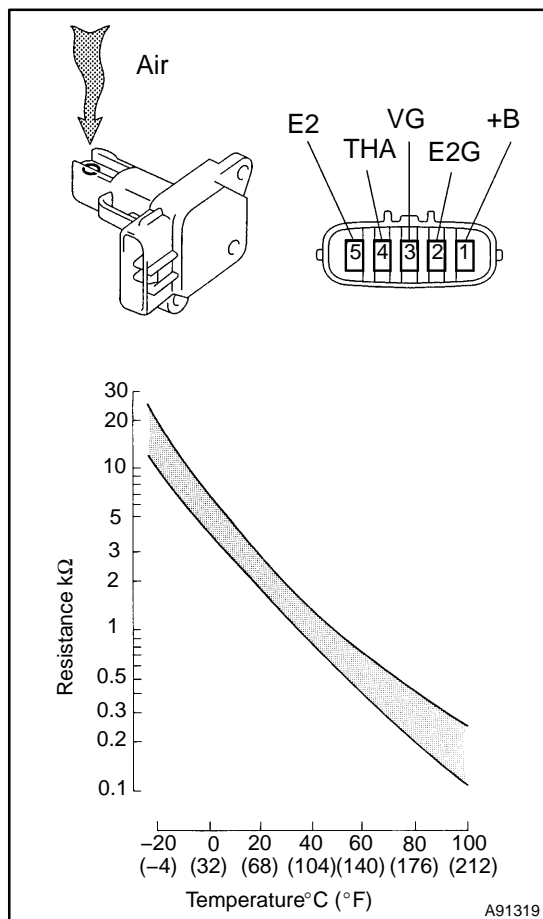


INSPECTION



1. INSPECT MASS AIR FLOW METER

- Check the output voltage.
 - Apply battery voltage across terminals 1 (+B) and 2 (E2G).
 - Using a voltmeter, connect the positive (+) tester probe to terminal VG, and negative (-) tester probe to terminal E2G.
 - Blow air into the 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

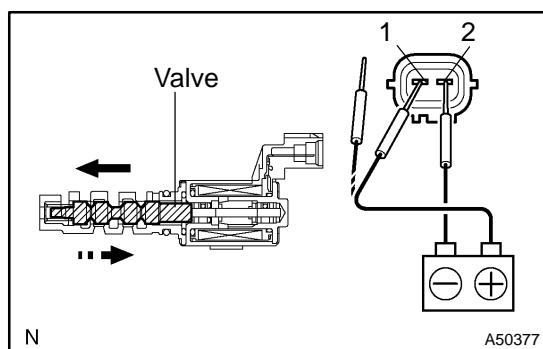
If the result is not as specified, replace the MAF meter.

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 assay.



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

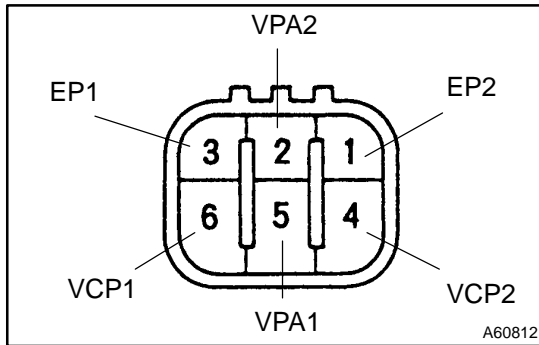
NOTICE:

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

If necessary, replace the OCV assay.

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.



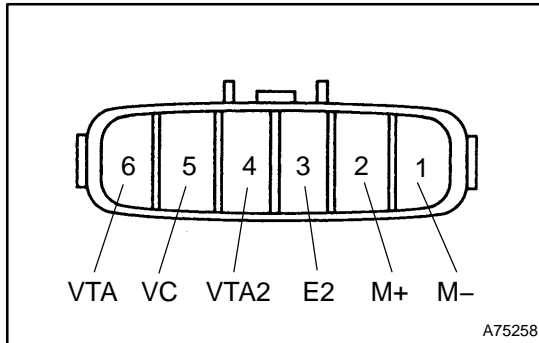
3. INSPECT ACCELERATOR PEDAL ASSY

- (a) Measure the resistance between the terminals.

Standard:

Tester Connection	Specified Condition
2 (VPA2) – 3 (EP1)	5.0 kΩ or less
5 (VPA1) – 1 (EP2)	5.0 kΩ or less
6 (VCP1) – 3 (EP1)	2.25 to 4.75 kΩ
4 (VCP2) – 1 (EP2)	2.25 to 4.75 kΩ

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



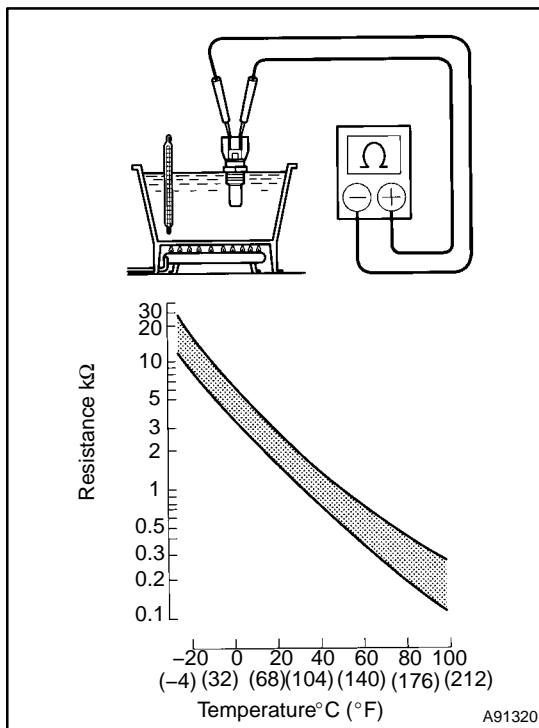
4. INSPECT THROTTLE BODY ASSY

- (a) Measure the resistance between the terminals.

Standard:

Tester Connection	Condition	Specified Condition
2 (M+) – 1 (M-)	20°C (68°F)	0.3 to 100 Ω
5 (VC) – 3 (E2)	20°C (68°F)	1.2 to 3.2 kΩ

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.

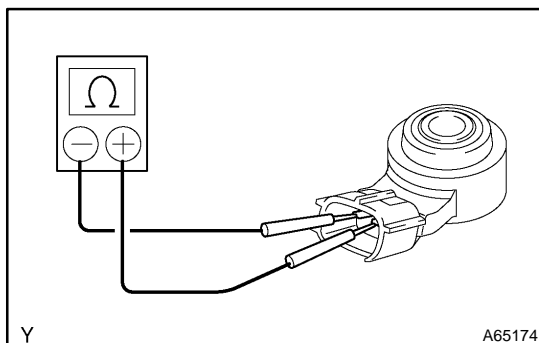
Standard:

Condition	Specified Condition
Approx. 20°C (68°F)	2.32 to 2.59 kΩ
Approx. 80°C (176°F)	0.310 to 0.326 kΩ

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

NOTICE:

If checking the engine coolant temperature sensor in the water, keep the terminals dry. After the check, wipe the sensor dry.



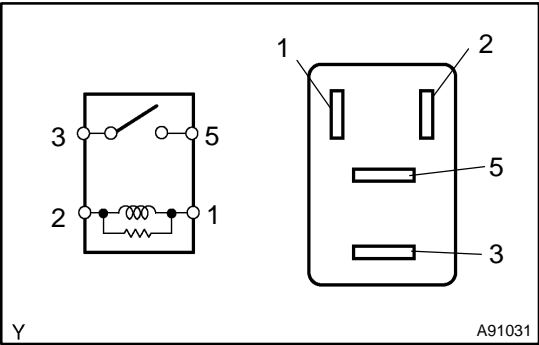
6. INSPECT KNOCK SENSOR

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

Standard: 120 to 280 kΩ at 20°C (68°F)

HINT:

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



7. INSPECT RELAY (Marking: EFI, C/OPN)

- (a) Using an ohmmeter, 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.