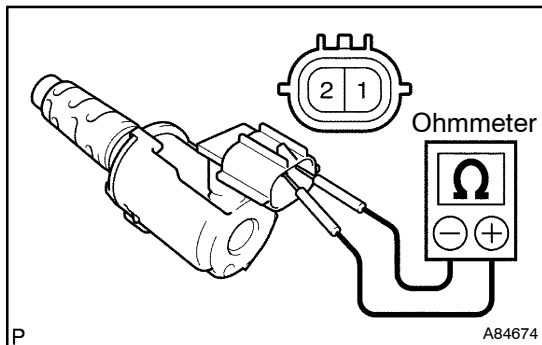


INSPECTION



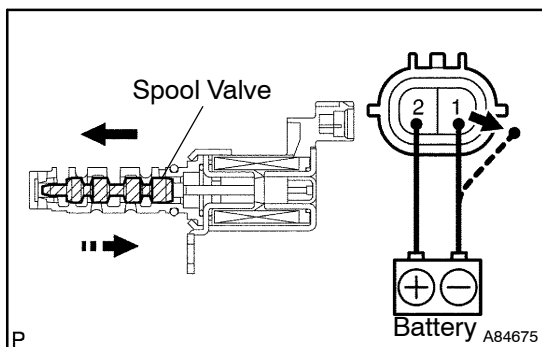
1. INSPECT CAMSHAFT TIMING OIL CONTROL VALVE ASSY

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

Standard:

Tester Connection	Specified Condition
1 (-) - 2 (+)	6.9 to 7.9 Ω at 20°C (68°F)

If the resistance is not as specified, replace the camshaft timing oil control valve.



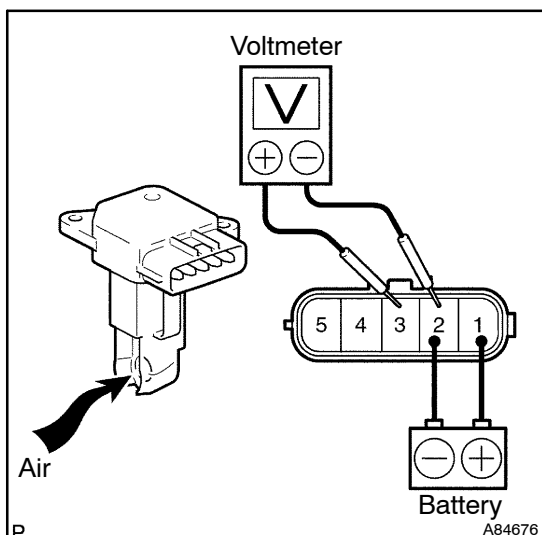
- (b) Check the operation.
 (1) Connect the positive (+) lead from the battery to terminal 2 and negative (-) lead to terminal 1, then check the movement of the spool valve.

NOTICE:

Confirm that the spool valve moves freely and does not stick in any position.

HINT:

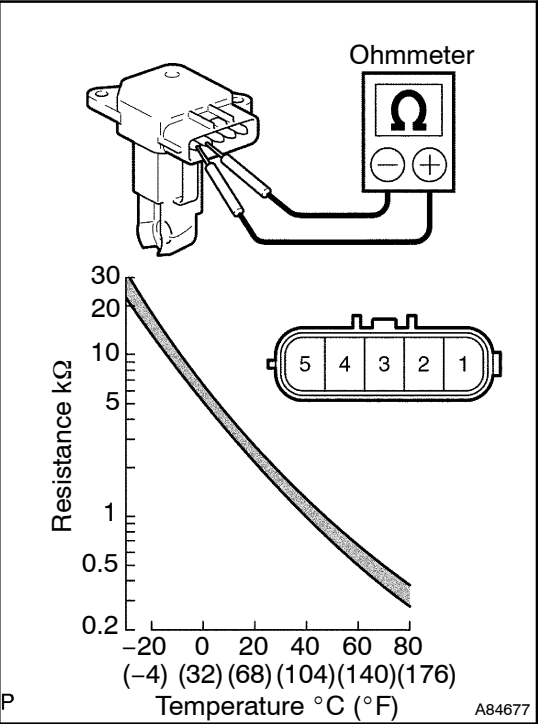
Bad returning of the spool valve resulting from catching foreign objects causes subtle leaks to the advanced direction. In that case, DTC can be detected.



2. INSPECT MASS AIR FLOW METER

- (a) Check the operation.
 (1) Apply battery voltage across terminals 1 (+B) and 2 (E2G).
 (2) Using a voltmeter, connect the positive (+) tester probe to terminal 3 (VG), and negative (-) tester probe to terminal 2 (E2G).
 (3) Blow air into the mass air flow meter, then check that the voltage fluctuates.

If the operation is not as specified, replace the mass air flow meter.

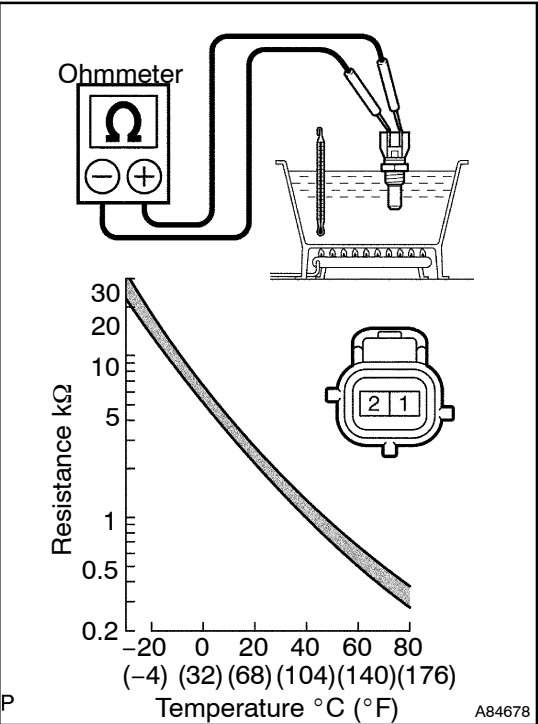


- (b) Inspect the resistance.
- (1) Using an ohmmeter, measure the resistance between the terminals.

Standard:

Tester Connection	Specified Condition
4 (THA) - 5 (E2)	13.6 to 18.4 kΩ at -20°C (-4°F)
4 (THA) - 5 (E2)	2.21 to 2.69 kΩ at 20°C (68°F)
4 (THA) - 5 (E2)	0.493 to 0.667 kΩ at 60°C (140°F)

If the resistance is not as specified, replace the mass air flow meter.



3. INSPECT ENGINE COOLANT TEMPERATURE SENSOR

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

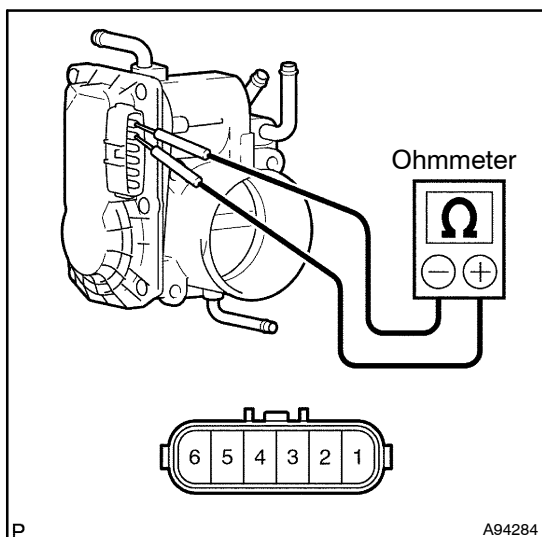
Standard:

Tester Connection	Specified Condition
1 (E2) - 2 (THW)	2.32 to 2.59 kΩ at 20°C (68°F)
1 (E2) - 2 (THW)	0.310 to 0.326 kΩ at 80°C (176°F)

NOTICE:

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

If the resistance is not as specified, replace the engine coolant temperature sensor.



4. INSPECT THROTTLE BODY ASSY

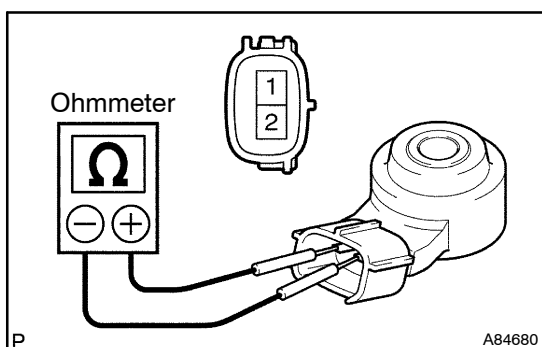
(a) Inspect the resistance.

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

Standard:

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

If the resistance is not as specified, replace the throttle body.



5. INSPECT KNOCK SENSOR

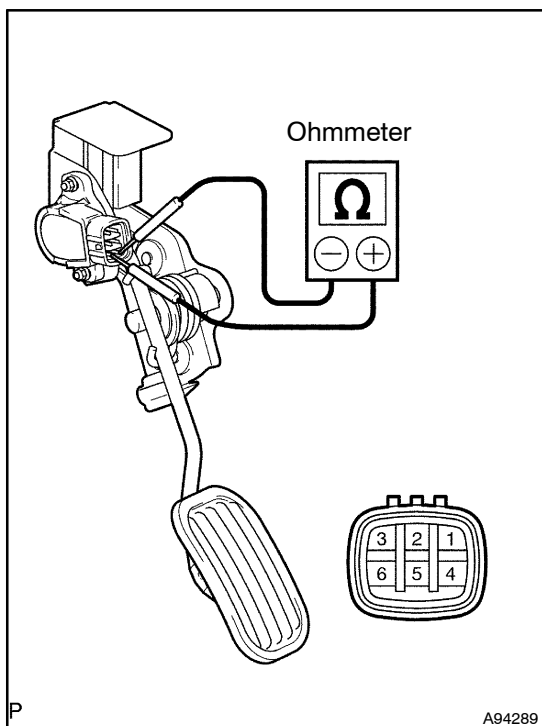
(a) Inspect the resistance.

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

Standard:

Tester Connection	Specified Condition
1 (Ground) - 2 (Output)	120 to 280 k Ω at 20°C (68°F)

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



6. INSPECT ACCELERATOR PEDAL ROD ASSY

(a) Inspect the resistance (LHD).

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

Standard:

Tester Connection	Specified Condition
3 (EP1) - 6 (VCP1)	2.25 to 4.75 k Ω
1 (EP2) - 4 (VCP2)	2.25 to 4.75 k Ω

If the resistance is not as specified, replace the accelerator pedal rod.

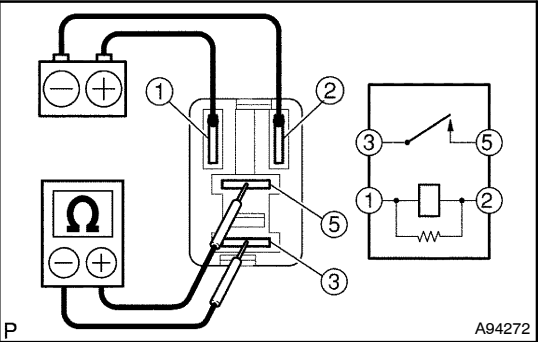
(b) Inspect the resistance (RHD).

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

Standard:

Tester Connection	Specified Condition
1 (EP1) - 4 (VCP1)	2.25 to 4.75 k Ω
3 (EP2) - 6 (VCP2)	2.25 to 4.75 k Ω

If the resistance is not as specified, replace the accelerator pedal rod.



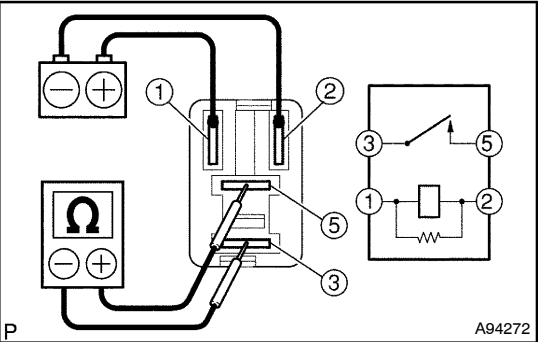
7. INSPECT E.F.I ECU RELAY

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

Standard:

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

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



8. INSPECT E.F.I. CIRCUIT OPENING RELAY ASSY

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

Standard:

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

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