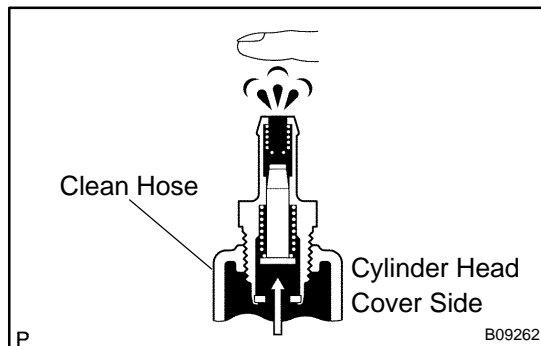


INSPECTION

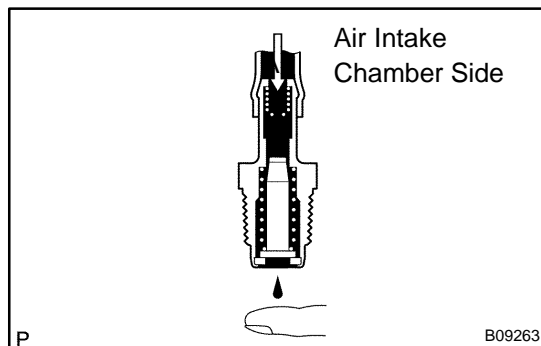


1. INSPECT VENTILATION VALVE SUB-ASSY

- (a) Install a clean hose to the ventilation valve.
- (b) Inspect the ventilation valve operation.
 - (1) Blow air into the cylinder head side, and check that air passes through smoothly.

CAUTION:

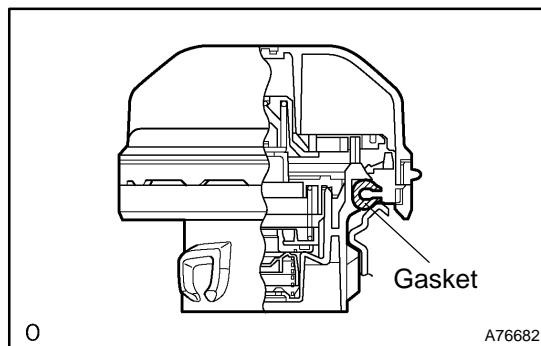
Do not suck air through the valve. Petroleum substances inside the valve are harmful.



- (2) Blow air into the intake manifold side, and check that air does not pass through smoothly.

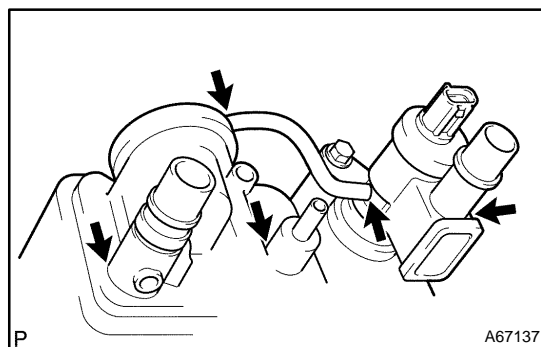
If operation is not as specified, replace the ventilation valve.

- (c) Remove the clean hose from the ventilation valve.



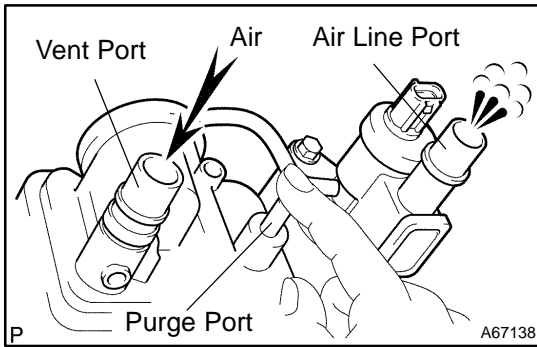
2. INSPECT FUEL TANK CAP ASSY

- (a) Visually check if the cap and/or gasket are deformed or damaged.

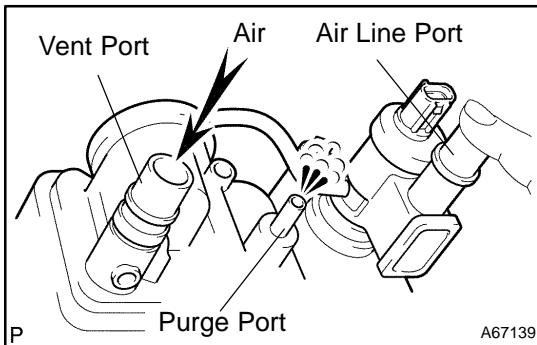


3. INSPECT CHARCOAL CANISTER ASSY

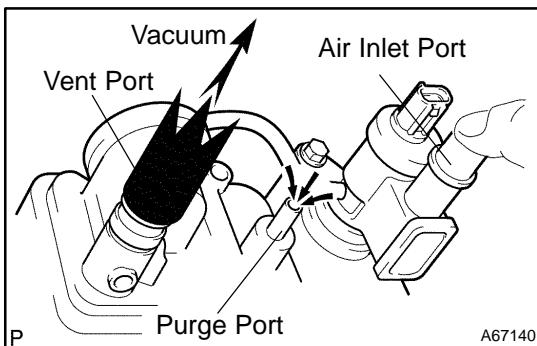
- (a) Visually check the charcoal canister for cracks or damage.



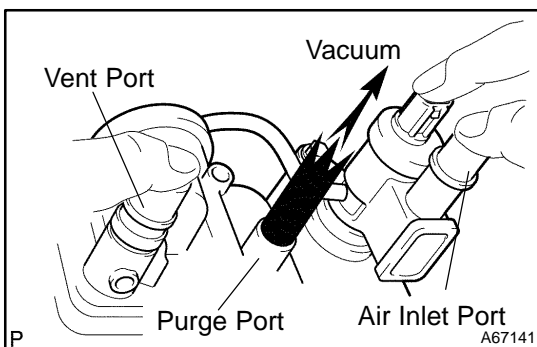
- (b) Inspect the charcoal canister operation.
- (1) Blow air (0.39 kPa, 4.0 gf/cm², 0.06 psi) into the vent port with the purge port closing, and check that the air flows from the air inlet port.



- (2) Blow air (0.39 kPa, 4.0 gf/cm², 0.06 psi) into the vent port with the air inlet port is closing, and check that air flows from the purge port.



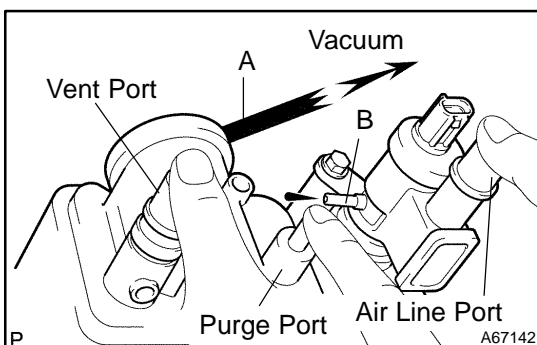
- (3) Apply vacuum (3.43 kPa, 25.7 mmHg, 1.01 in.Hg) to the vent port with the air inlet port is closing, and check that air is sucked in from the purge port.
- If operation is not as specified, replace the charcoal canister.



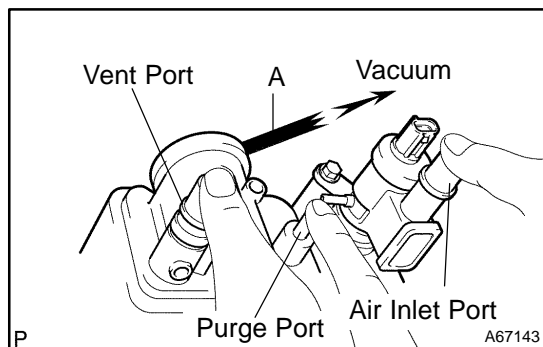
- (c) Inspect the air tightness.
- (1) Apply vacuum (3.43 kPa, 25.7 mmHg, 1.01 in.Hg) to the purge port with the vent and air inlet ports is closing, and check that the vacuum is sustained for 1 minute.

HINT:

In order to maintain air tightness, the check should be performed with the CCV terminal port has been closed by hand. If operation is not as specified, replace the charcoal canister.



- (d) Inspect the diaphragm.
- (1) Remove the air hose between ports A and B.
 - (2) While holding the vent, purge and air inlet ports closed, apply vacuum (1.42 kPa, 11 mmHg, 0.42 in.Hg) into port A. Check that air is sucked in from port B.

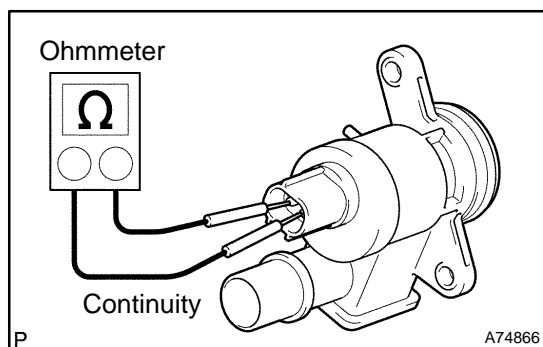


- (3) Apply vacuum (1.42 kPa, 11 mmHg, 0.42 in.Hg) into port A with the vent, purge and air inlet ports closing, and measure how long it takes for the vacuum to drop.

Vacuum drop time: 10 sec. or more

If operation is not as specified, replace the charcoal canister.

- (4) Reinstall the air hose between ports A and B.

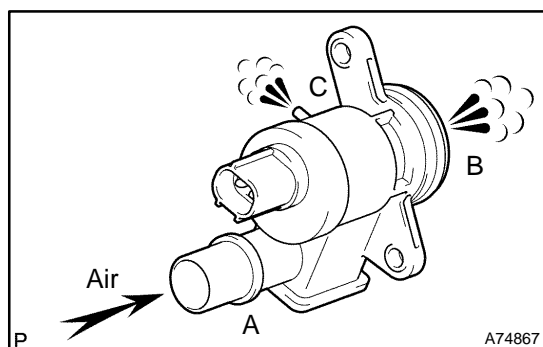


- (e) Inspect VSV for open circuit.
(1) Using an ohmmeter, check that there is continuity between the terminals.

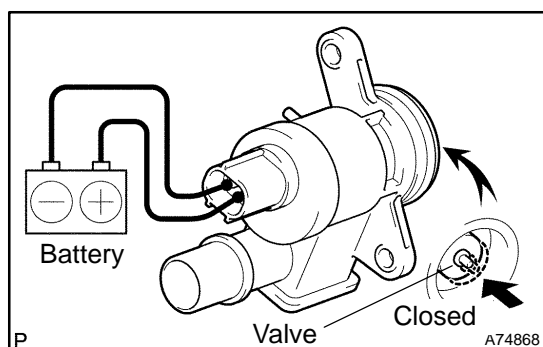
Resistance:

20 °C (68 °F)	25 - 30 Ω
100 °C (212 °F)	32 - 42 Ω

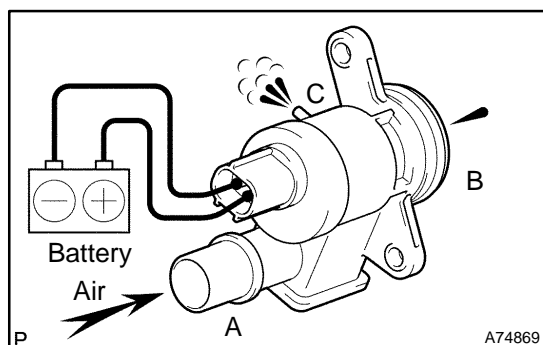
If there is no continuity, replace the charcoal canister.



- (f) Inspect VSV operation.
(1) Check that air flows from ports A to B and C.

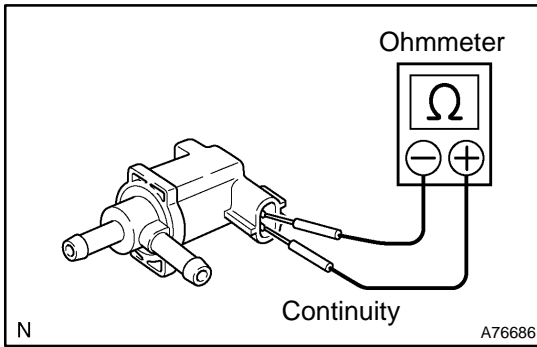


- (2) Apply battery positive voltage across the terminals.
(3) Check that the valve is closed.



- (4) Check that air does not flow from ports A to B.
(5) Check that air flows from ports A to C.

If the operation is not as specified, replace the charcoal canister.



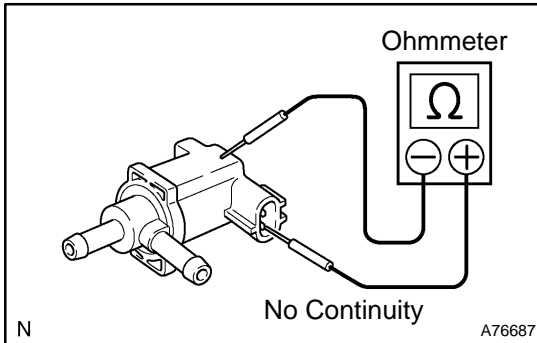
4. INSPECT VACUUM SWITCHING VALVE ASSY NO.1

(a) Inspect the VSV for open circuit.

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

Resistance: 26 - 30 Ω at 20 °C (68 °F)

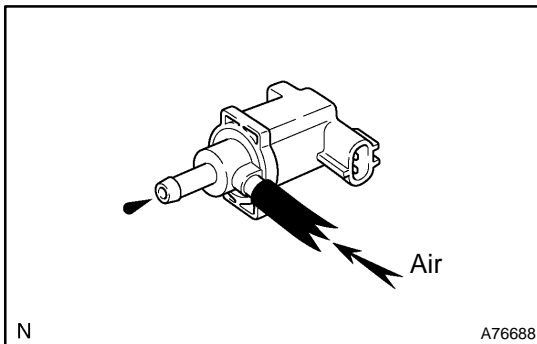
If the resistance is not as specified, replace the VSV.



(b) Inspect the VSV for ground.

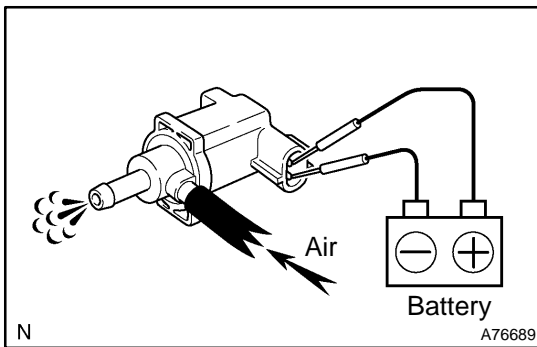
- (1) Using an ohmmeter, check that there is no continuity between each terminal and the body.

If there is continuity, replace the VSV.



(c) Inspect the VSV operation.

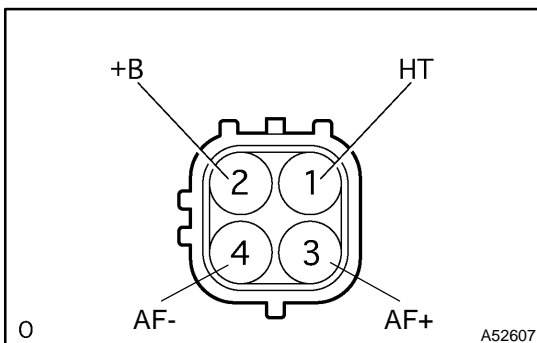
- (1) Check that air does not flow from parts.



- (2) Apply battery positive voltage across the terminals.

- (3) Check that air flows from ports.

If operation is not as specified, replace the VSV.



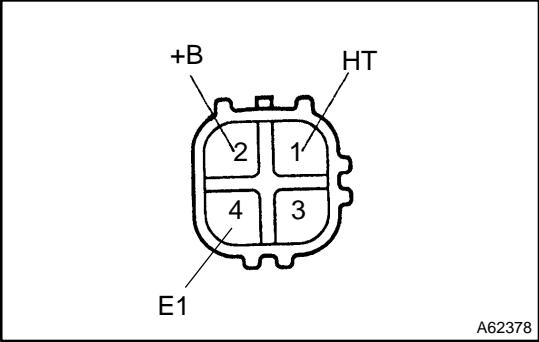
5. INSPECT AIR FUEL RATIO SENSOR (BANK1,BANK2 AIR FUEL RATIO SENSOR)

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

Resistance:

Terminal No.	Resistance
1 (HT) ⇔ 2 (+B)	1.8 - 3.4 Ω at 20 °C (68 °F)
1 (HT) ⇔ 2 (+B)	5.0 - 7.5 Ω at 500 °C (932 °F)
1 (HT) ⇔ 4 (AF-)	No Continuity

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



6. INSPECT HEATED OXYGEN SENSOR (BANK1,BANK2 OXYGEN SENSOR)

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

Resistance:

Terminal No.	Resistance
1 (HT) ⇔ 2 (+B)	5 - 10 Ω at 20 °C (68 °F)
1 (HT) ⇔ 4 (E1)	No Continuity

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