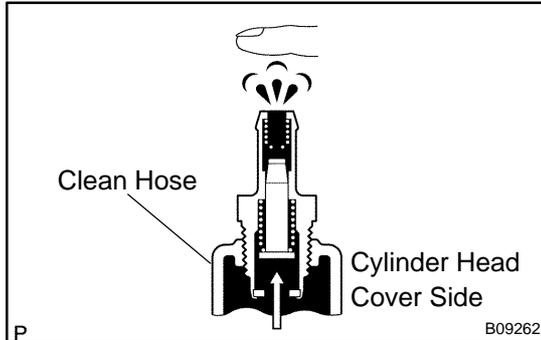


INSPECTION

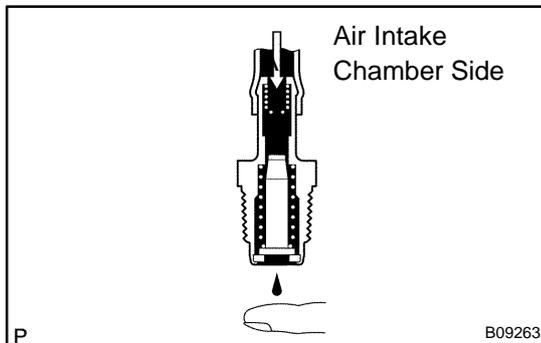


1. INSPECT VENTILATION VALVE SUB-ASSY

- (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:

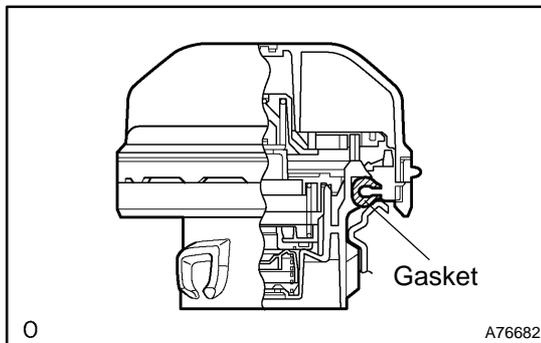
Do not suck air through the valve. Petroleum substances inside the valve are harmful.



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

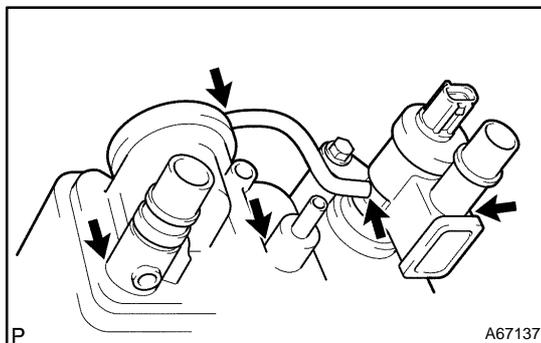
If operation is not as specified, replace the ventilation valve.

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



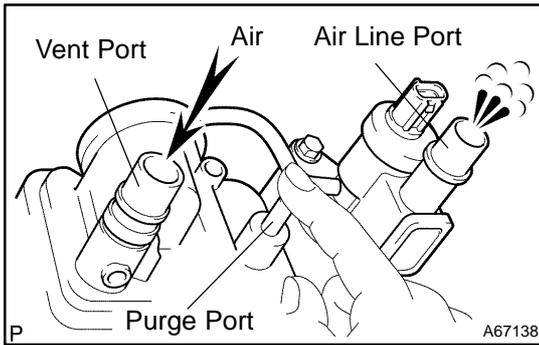
2. INSPECT FUEL TANK CAP ASSY

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

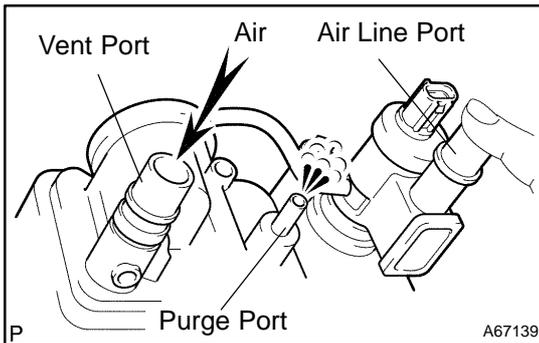


3. INSPECT CHARCOAL CANISTER ASSY

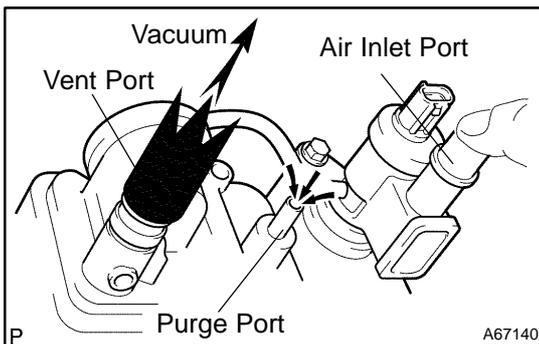
- (a) Visually check the charcoal canister for cracks or damage.



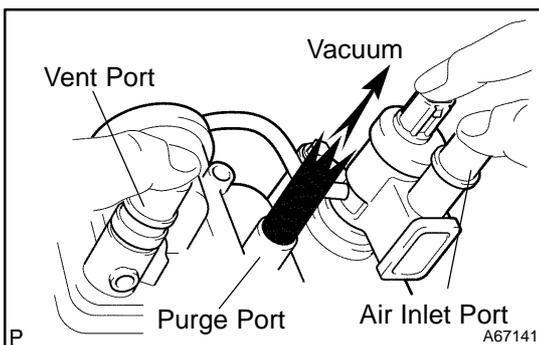
- (b) Inspect the charcoal canister operation.
- (1) Blow air (0.39 kPa, 4.0 gf/cm², 0.06 psi) into the vent port with the purge port closing, and check that the air flows from the air inlet port.



- (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.



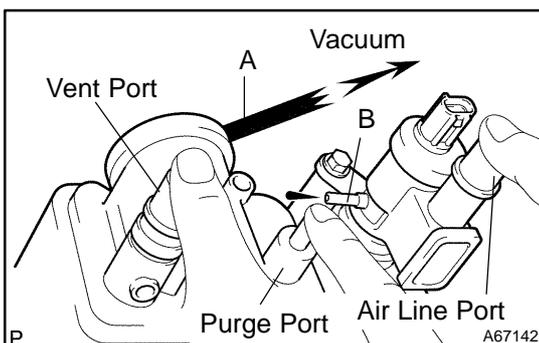
- (3) Apply vacuum (3.43 kPa, 25.7 mmHg, 1.01 in.Hg) to the vent port with the air inlet port is closing, and check that air is sucked in from the purge port.
- If operation is not as specified, replace the charcoal canister.



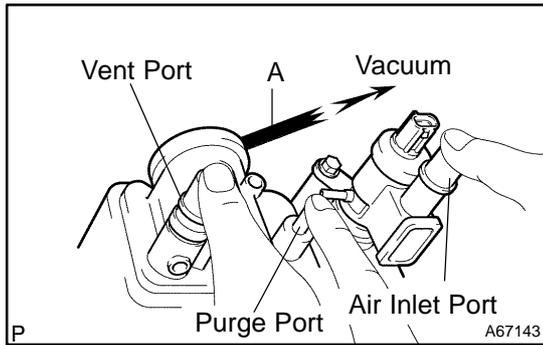
- (c) Inspect the air tightness.
- (1) Apply vacuum (3.43 kPa, 25.7 mmHg, 1.01 in.Hg) to the purge port with the vent and air inlet ports is closing, and check that the vacuum is sustained for 1 minute.

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.

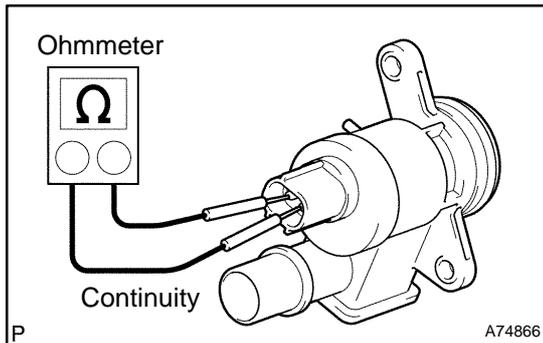


- (3) Apply vacuum (1.42 kPa, 11 mmHg, 0.42 in.Hg) into port A with the vent, purge and air inlet ports closing, and measure how long it takes for the vacuum to drop.

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.

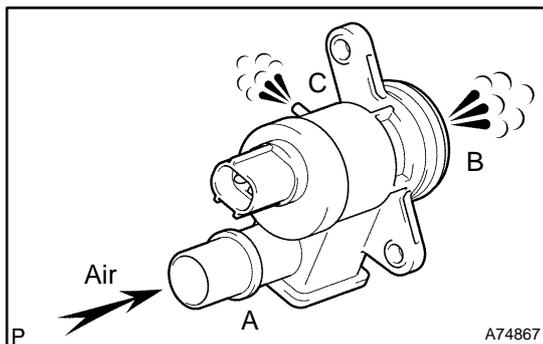


- (e) Inspect VSV for open circuit.
 (1) Using an ohmmeter, check that there is continuity between the terminals.

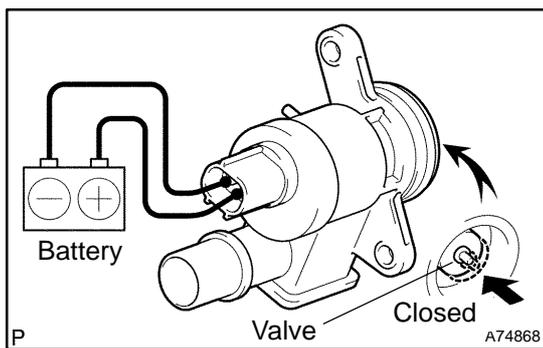
Resistance:

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

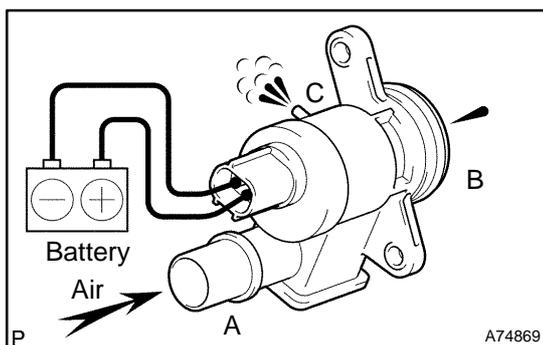
If there is no continuity, replace the charcoal canister.



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

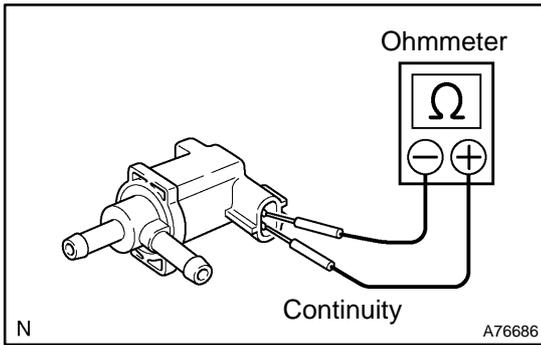


- (2) Apply battery positive voltage across the terminals.
 (3) Check that the valve is closed.



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

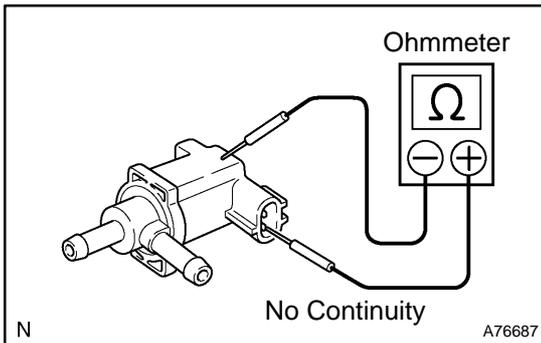
If the operation is not as specified, replace the charcoal canister.



- 4. INSPECT VACUUM SWITCHING VALVE ASSY NO.1**
- (a) Inspect the VSV for open circuit.
- (1) Using an ohmmeter, check resistance between the terminals.

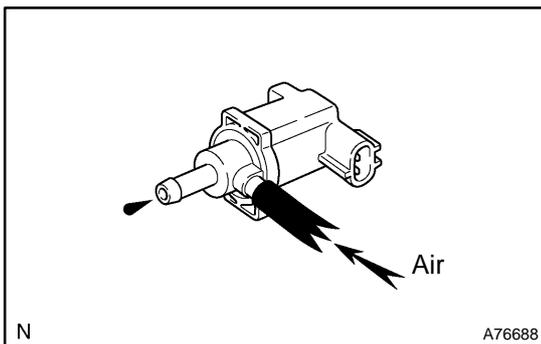
Resistance: 26 - 30 Ω at 20 °C (68 °F)

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

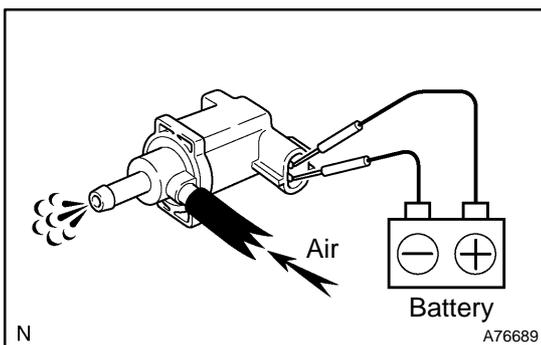


- (b) Inspect the VSV for ground.
- (1) Using an ohmmeter, check that there is no continuity between each terminal and the body.

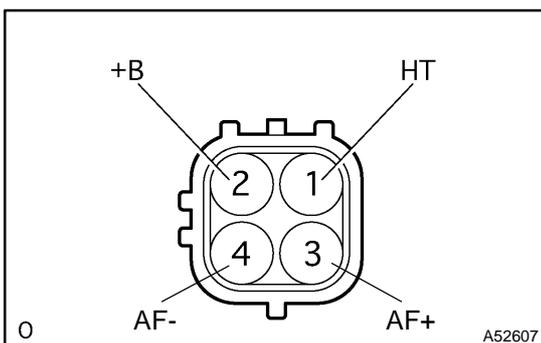
If there is continuity, replace the VSV.



- (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.



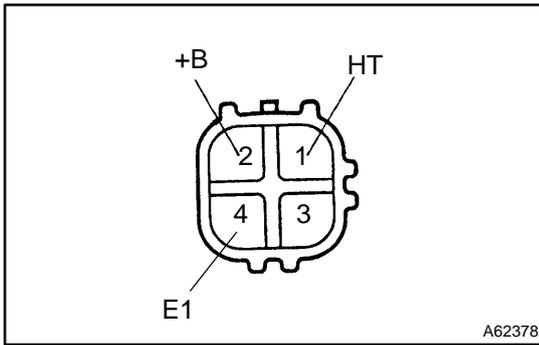
5. INSPECT AIR FUEL RATIO SENSOR (BANK1,BANK2 AIR FUEL RATIO SENSOR)

- (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) \leftrightarrow 2 (+B)	5 - 10 Ω at 20 °C (68 °F)
1 (HT) \leftrightarrow 4 (E1)	No Continuity

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