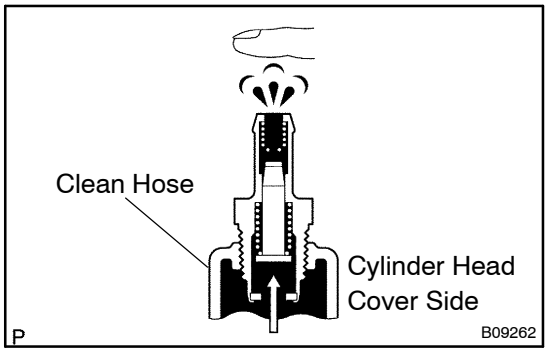
# INSPECTION




**1. INSPECT VENTILATION VALVE SUB–ASSY**

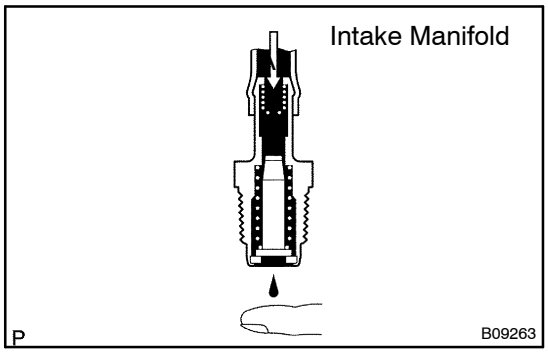
(a) Install a clean hose to the ventilation valve.

(b) Inspect the ventilation valve operation.

(1) Blow air into the cylinder head cover and check that air passes through smoothly.

**CAUTION:**

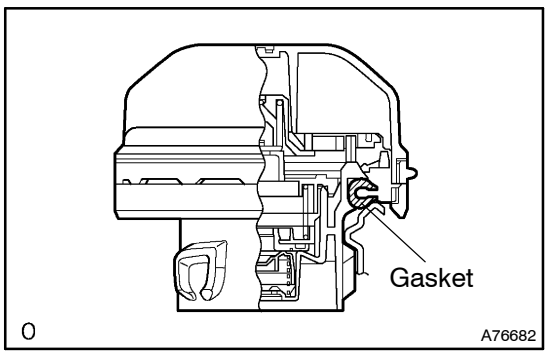
**Do not suck air through the valve. Petroleum substances inside the valve are harmful.**




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

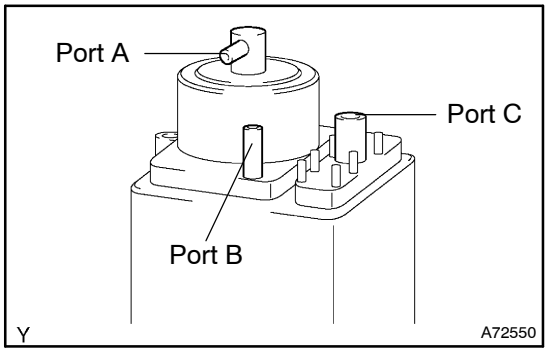
If operation is not as specified, replace the ventilation valve.

(c) Remove the hose from the ventilation valve.




**2. INSPECT FUEL TANK CAP ASSY**

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



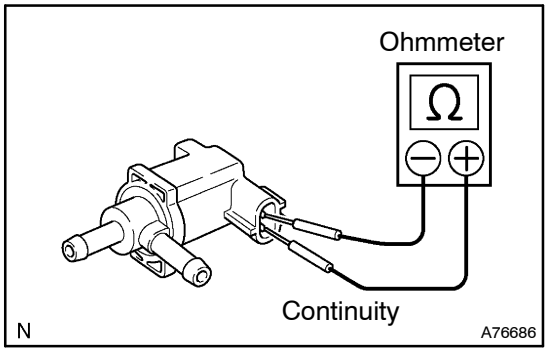

**3. INSPECT CHARCOAL CANISTER SUB–ASSY**

(a) Inspect charcoal canister operation.

(1) Check the charcoal canister operation according to the table below.

**Criterion:**

| Condition | Result |
|---|---|
| Close port B and C, apply vacuum<br>1.96 kPa, 15 mmHg, 0.58 in.Hg to port A | No leaks |
| Close port C, apply vacuum<br>1.96 kPa, 15 mmHg, 0.58 in.Hg to port A | Air flows from port B |
| Close port C, blow air<br>4.7 kPa, 47.9 kgf/cm$^{2,}$ 0.68 psi into port A | Air flows from port B |
| Blow air 4.7 kPa, 47.9 kgf/cm$^{2,}$ 0.68 psi into port A | Air flows from both ports B and C |



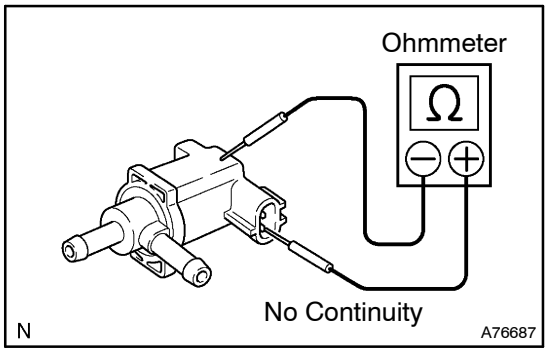

**4. INSPECT VACUUM SWITCHING VALVE ASSY NO.1**

(a) Inspect the VSV for open circuit.

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

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

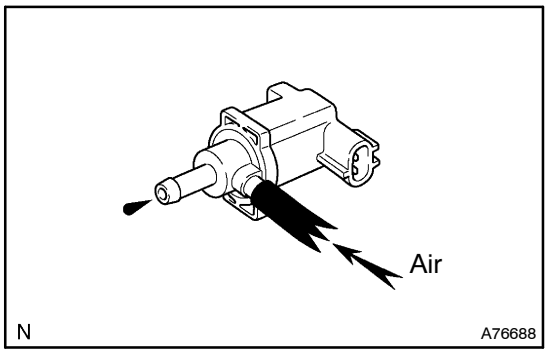
If the resistance is not as specified, replace the VSV.




(b) Inspect the VSV for ground.

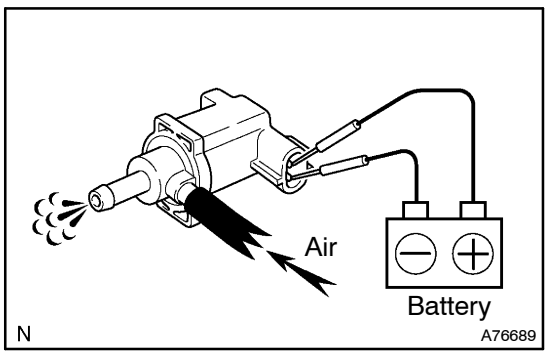
(1) Using an ohmmeter, check that there is no continuity between each terminal and the body.

If there is continuity, replace the VSV.




(c) Inspect the VSV operation.

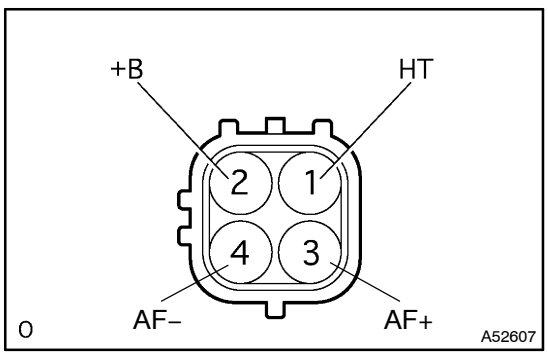
(1) Check that air does not flow from parts.




(2) Apply battery positive voltage across the terminals.

(3) Check that air flows from ports.

If operation is not as specified, replace the VSV.



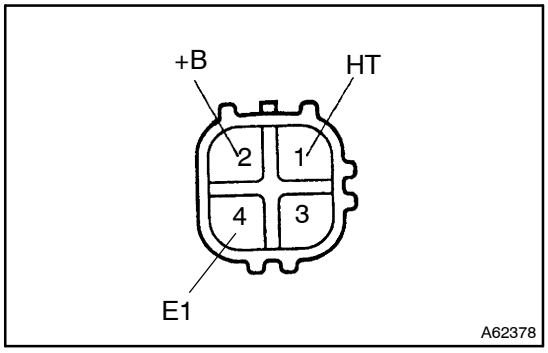

**5. INSPECT AIR FUEL RATIO SENSOR (BANK1,BANK2 AIR FUEL RATIO SENSOR)**

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

**Resistance:**

| Terminal No. | Resistance |
|---|---|
| 1 (HT) – 2 (+B) | 1.8 to 3.4 Ω at 20 °C (68 °F) |
| 1 (HT) – 2 (+B) | 5.0 to 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 the resistance between the terminals.

**Resistance:**

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

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