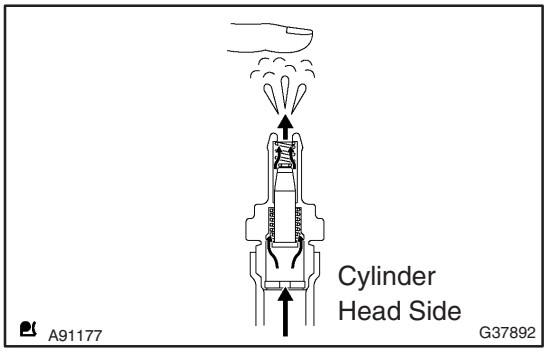
INSPECTION



1. INSPECT VENTILATION VALVE SUB–ASSY

(a) Install the hose from the ventilation valve.

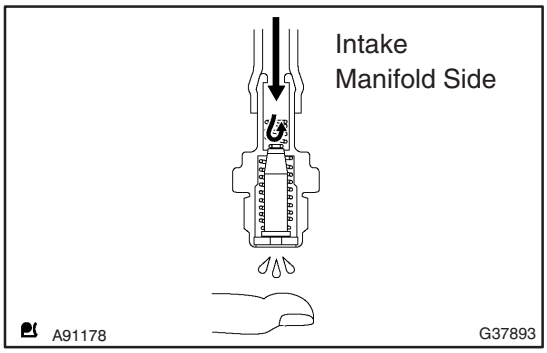
(b) Install a clean hose to the ventilation valve.

(c) Inspect the ventilation valve operation.

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

CAUTION:

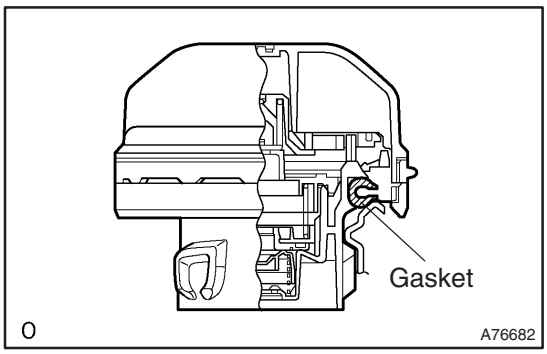
Do not suck air through the valve. Petroleum substances inside the valve are harmful.



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

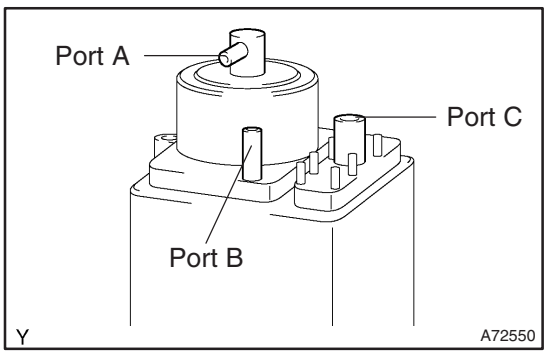
If operation is not as specified, replace the ventilation valve.

(d) 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.



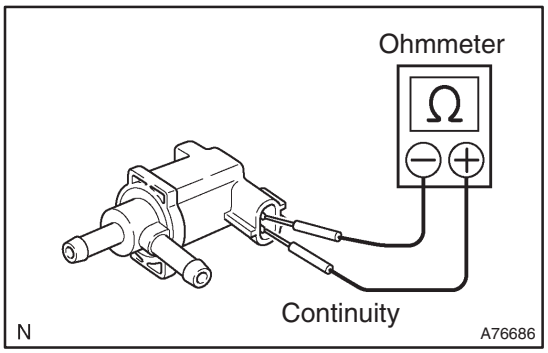
3. INSPECT CHARCOAL CANISTER SUB–ASSY (UNLEADED GASOLINE)

(a) Inspect the charcoal canister operation.

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

Criterion:

Condition	Result
Close ports B and C, apply vacuum of 1.96 kPa, 15 mmHg, 0.58 in.Hg to port A	No leaks
Close port C, apply vacuum of 1.96 kPa, 15 mmHg, 0.58 in.Hg to port A	Air flows from port B
Close port C, blow air of 4.7 kPa, 470 kgf/cm^{2,} 0.68 psi into port A	Air flows from port B
Blow air of 4.7 kPa, 470 kgf/cm^{2,} 0.68 psi into port A	Air flows from both ports B and C



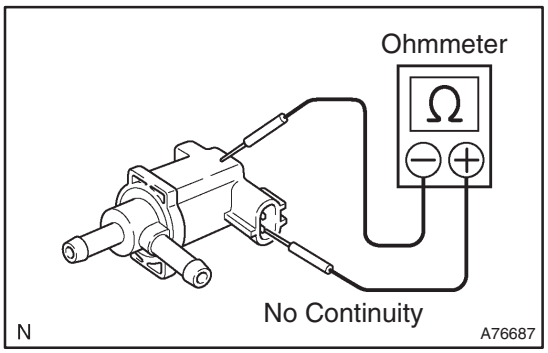
4. INSPECT VACUUM SWITCHING VALVE ASSY NO.1 (UNLEADED GASOLINE)

(a) Check for open in the VSV circuit.

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

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

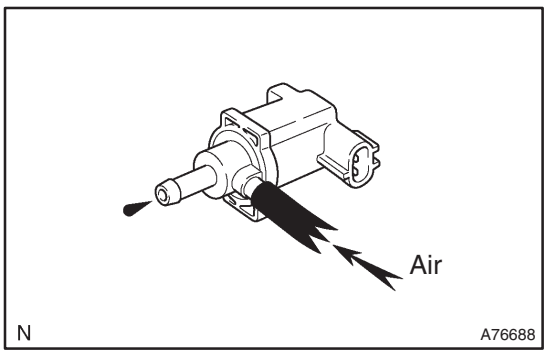
If the resistance is not as specified, replace the VSV.



(b) Check for short in the VSV circuit.

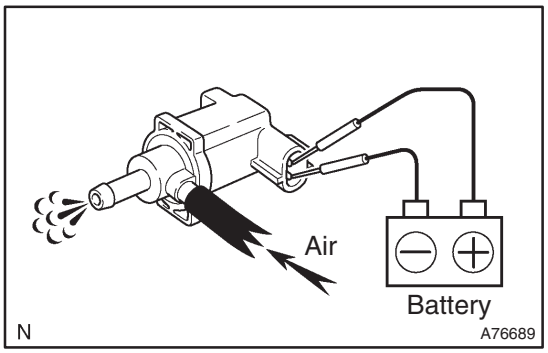
(1) Using an ohmmeter, check that there is no continuity between each terminal and the body.

If there is continuity, replace the VSV.



(c) Inspect the VSV operation.

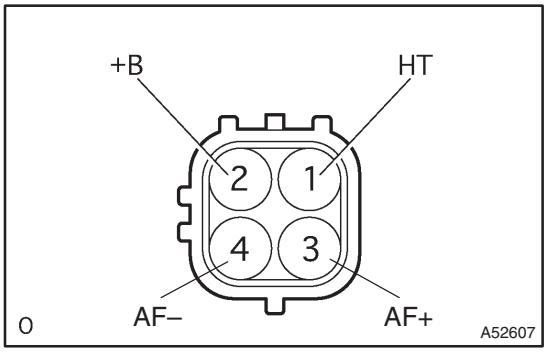
(1) Check that air does not flow from the ports.



(2) Apply battery positive voltage across the terminals.

(3) Check that air flows from the ports.

If operation is not as specified, replace the VSV.



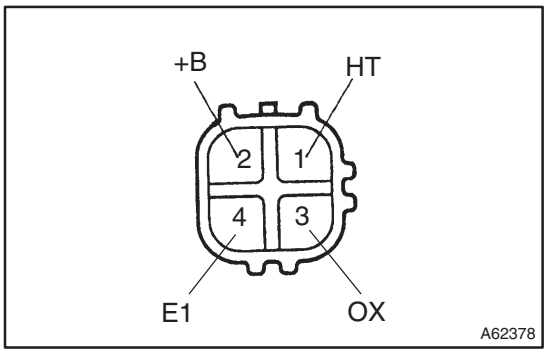
5. INSPECT AIR FUEL RATIO SENSOR (UNLEADED GASOLINE)

(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) – 4 (AF–)	No Continuity

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



6. INSPECT OXYGEN SENSOR (UNLEADED GASOLINE)

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

Resistance:

Terminal No.	Resistance
1 (HT) – 2 (+B)	11 to 16 Ω at 20 °C (68 °F)
1 (HT) – 4 (E1)	No Continuity

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