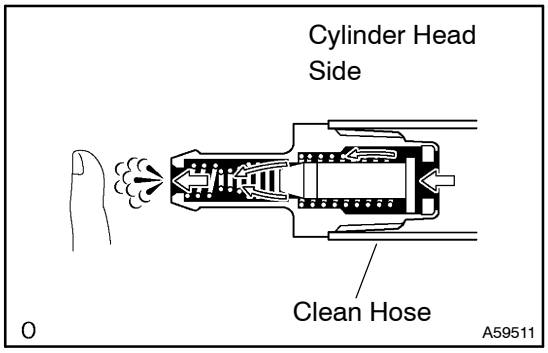
INSPECTION



1. INSPECT VENTILATION VALVE SUB–ASSY

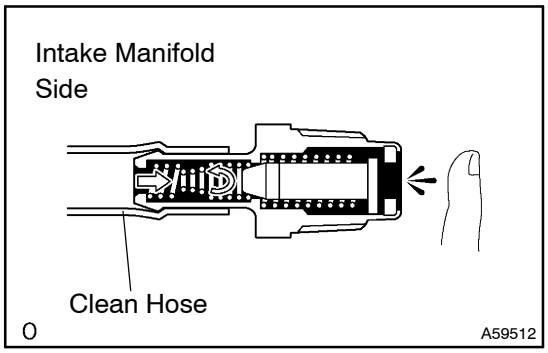
(a) Install a clean hose to the ventilation valve.

(b) Check ventilation valve operation.

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

CAUTION:

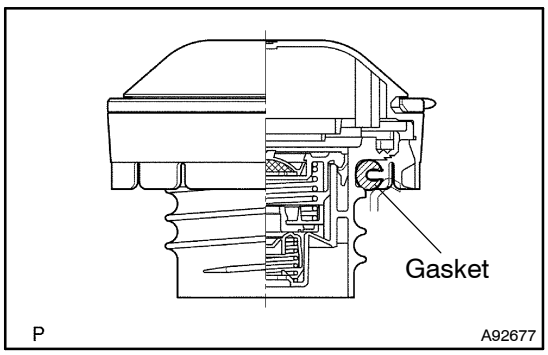
Do not suck air through the valve. Petroleum substances inside the valve are harmful.



(2) Blow air into the intake manifold side, and check that air passes through with difficulty.

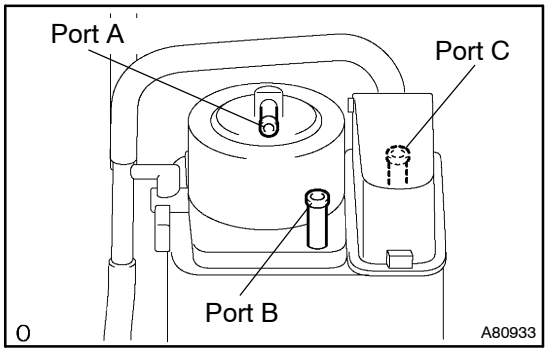
If the result is not as specified, replace the ventilation valve.

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



2. INSPECT FUEL TANK CAP ASSY

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



3. INSPECT CHARCOAL CANISTER ASSY

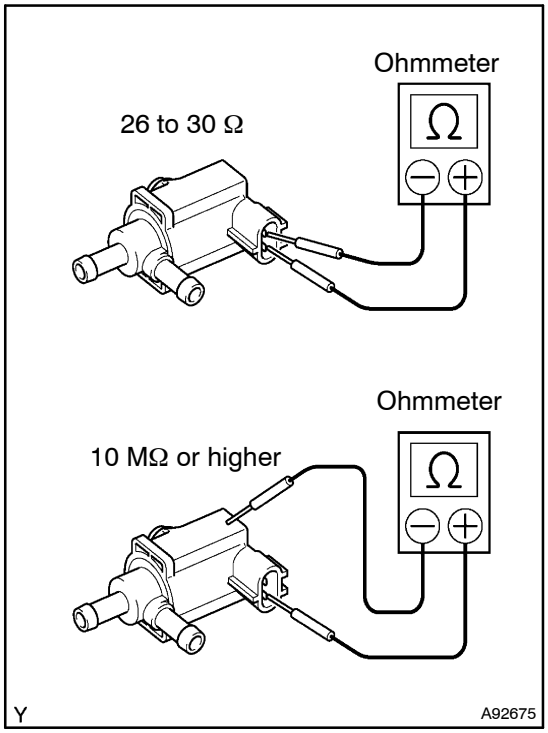
(a) Inspect charcoal canister operation.

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

Standard:

Condition	Result
Close ports B and C, then apply vacuum to port A	No leaks
Close port C, then apply vacuum to port A	Air drawn into port B
Blow air into port A	Air flows from both port B and C

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



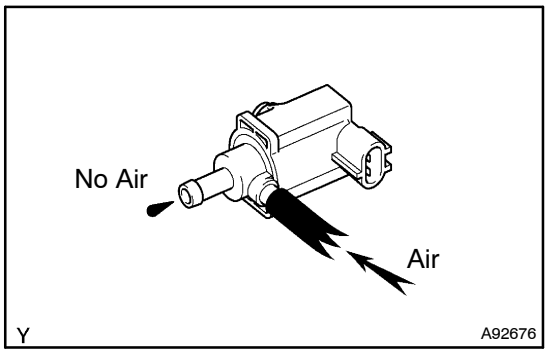
4. INSPECT VACUUM SWITCHING VALVE ASSY FOR EVAP

(a) Measure the VSV resistance.

Standard:

Tester Connection	Specified Condition
1 – 2	26 to 30 Ω at 20°C (68°F)
1 – Body ground 2 – Body ground	10 MΩ or higher

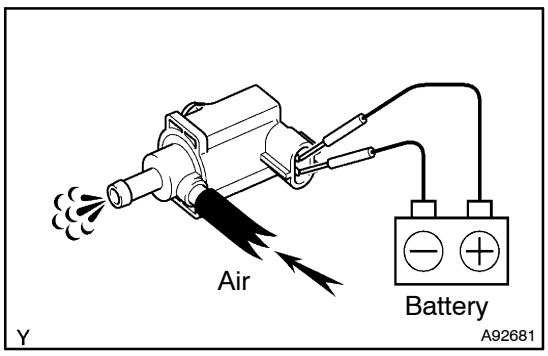
If the resistance is not as specified, replace the VSV assy.



(b) Check VSV operation.

(1) Check that air does not flow from the port as shown in the illustration.

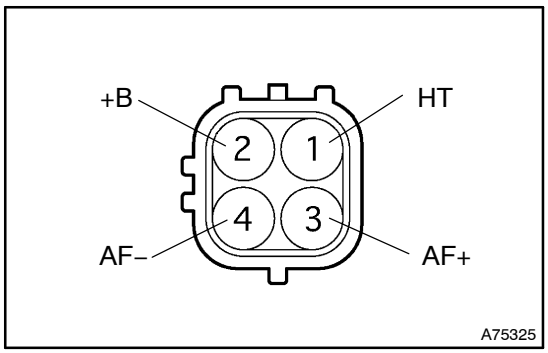
If the result is not as specified, replace the VSV assy.



(2) Apply battery positive voltage across the terminals.

(3) Check that air flows from the port as shown in the illustration.

If the result is not as specified, replace the VSV assy.



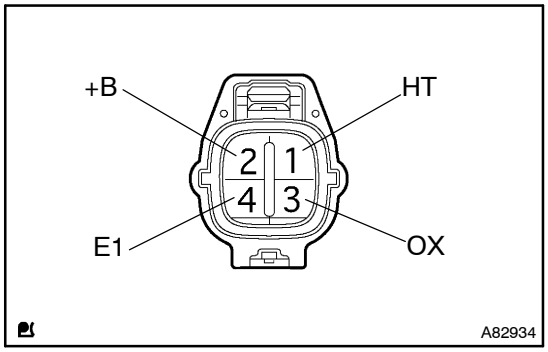
5. INSPECT A/F SENSOR (BANK 1, 2 SENSOR 1)

(a) Measure the resistance between terminals 1 (HT) and 2 (+B).

Standard:

Condition	Specified Condition
20°C (68°F)	1.9 to 3.0 Ω
750°C (1,382°F)	5.0 to 8.4 Ω

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



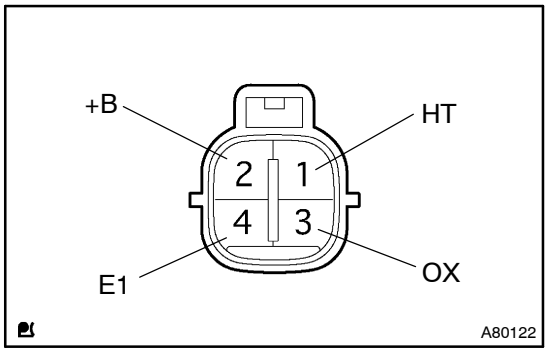
6. INSPECT HEATED OXYGEN SENSOR (BANK 1 SENSOR 2)

(a) Measure the resistance between terminals 1 (HT) and 2 (+B).

Standard:

Condition	Specified Condition
20°C (68°F)	11 to 16 Ω
800°C (1,472°F)	23 to 32 Ω

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



7. INSPECT HEATED OXYGEN SENSOR (BANK 2 SENSOR 2)

(a) Measure the resistance between terminals 1 (HT) and 2 (+B).

Standard:

Condition	Specified Condition
20°C (68°F)	11 to 16 Ω
800°C (1,472°F)	23 to 32 Ω

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