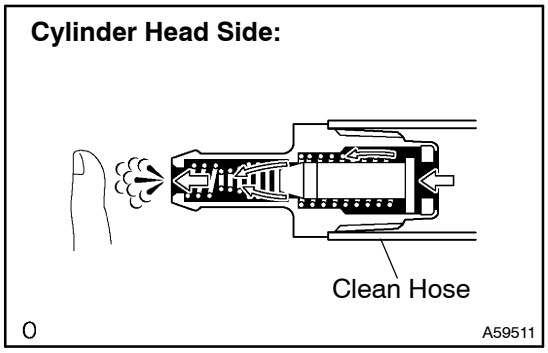
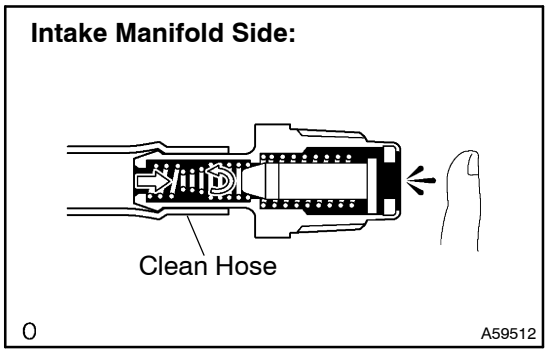
120DI–01

INSPECTION





1. INSPECT VENTILATION VALVE SUB–ASSY

(a) Check the ventilation.

(1) Install a clean hose to the ventilation valve as illustration.

(2) Check that there is ventilation when air is applied from the cylinder head side.

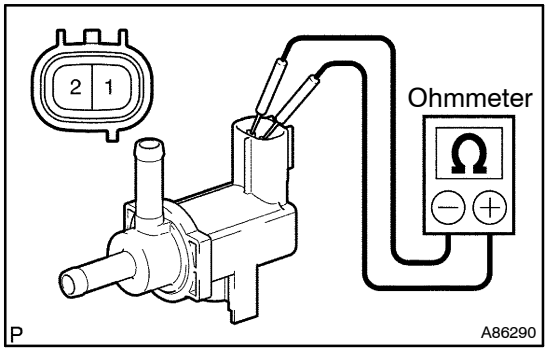
CAUTION:

Do not suck the air inside the ventilation valve because it is harmful.

If there is no ventilation, replace the ventilation valve.

(3) Check that there no ventilation when air is applied from the intake manifold side.

If there is ventilation, replace the ventilation valve.



2. INSPECT VACUUM SWITCHING VALVE ASSY NO.2

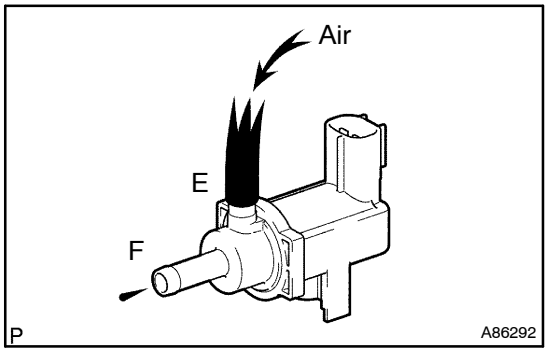
(a) Inspect the resistance.

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

Standard:

Tester Connection	Specified Condition
1 – 2	26 to 30 Ω at 20°C (68°F)

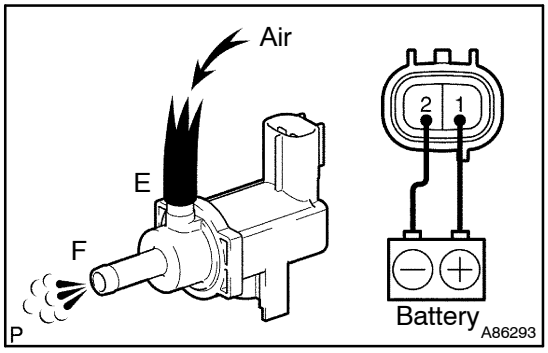
If the resistance is not as specified, replace the vacuum switching valve No. 2.



(b) Check the ventilation.

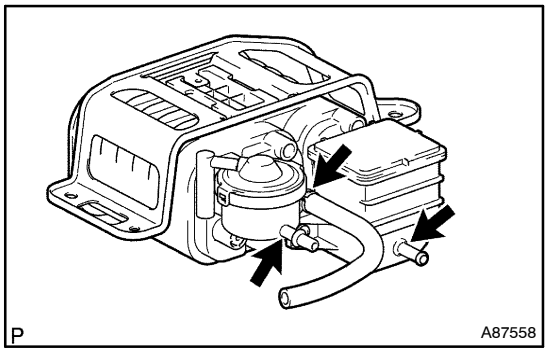
(1) Check that there is no ventilation in port F when air is applied from port E.

If there is ventilation, replace the vacuum switching valve No. 2.



(2) Apply battery voltage across the terminals.
(3) Check that there is ventilation in port F when air is applied from port E.

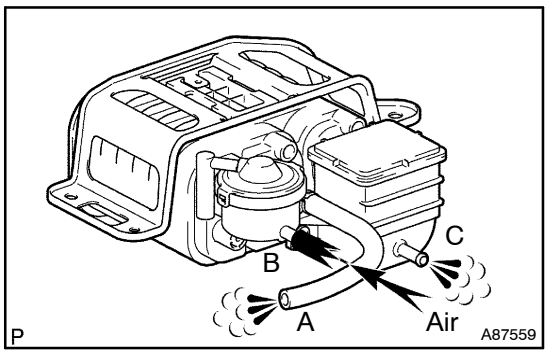
If there is no ventilation, replace the vacuum switching valve No. 2.



3. INSPECT CHARCOAL CANISTER ASSY

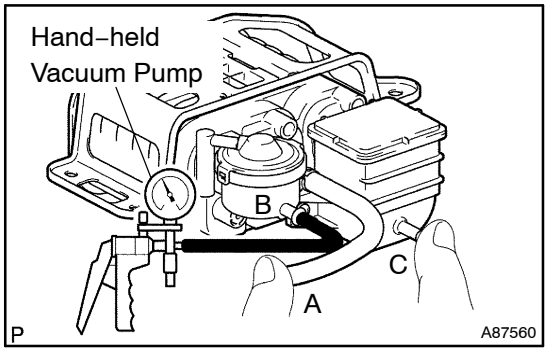
(a) Check the appearance.
(1) Check that there are no cracks or damage on the indicated portions of the charcoal canister.

If there are any defects, replace the charcoal canister.



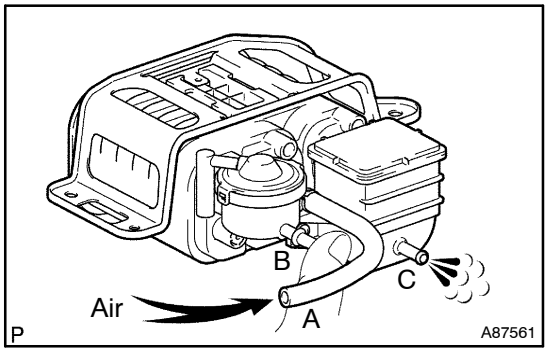
(b) Check the ventilation.
(1) Check that there is ventilation in ports A and C when air (4.41 kPa (45 gf/cm^2, 0.64 psi)) is applied to port B.

If there is no ventilation, replace the charcoal canister.



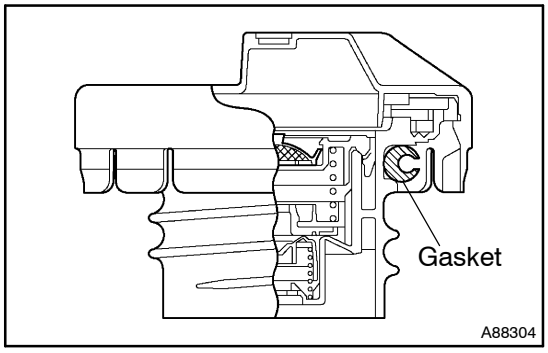
(2) Plug port A and C with your finger.
(3) Using a hand–held vacuum pump, apply vacuum (1.23 kPa (9.23 mmHg, 0.36 in Hg)) to port B, then check there are no air leaks in ports A and C.

If there are air leaks, replace the charcoal canister.



(4) Plug port B with your finger.
(5) Check that there is ventilation in port C when air (4.41 kPa (45 gf/cm^2, 0.64 psi)) is applied to port A.

If there is no ventilation, replace the charcoal canister.

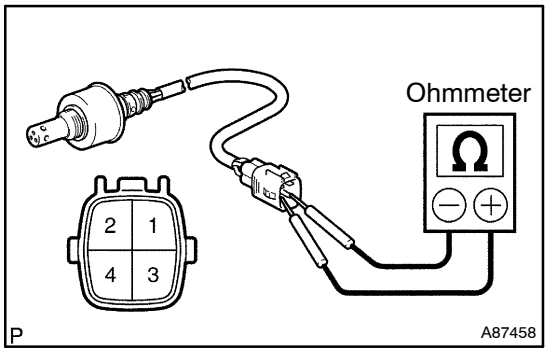


4. INSPECT FUEL TANK CAP ASSY

(a) Check the appearance.

(1) Check that there is no deformation or damage on the fuel tank cap and gasket.

If there are any defects, replace the fuel tank cap.



5. INSPECT AIR–FUEL RATIO SENSOR

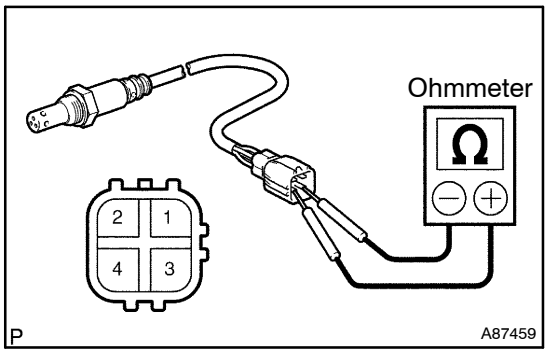
(a) Inspect the resistance.

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

Standard:

Tester Connection	Specified Condition
1 (HT) – 2 (+B)	1.8 to 3.4 Ω at 20°C (68°F)
2 (+B) – 4 (AF–)	10 kΩ or higher

If the result is not as specified, replace the air–fuel ratio sensor.



6. INSPECT HEATED OXYGEN SENSOR

(a) Inspect the resistance.

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

Standard:

Tester Connection	Specified Condition
1 (HT) – 2 (+B)	11 to 16 Ω at 20°C (68°F)
1 (HT) – 4 (E)	10 kΩ or higher

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