

## EVAPORATIVE EMISSION (EVAP) CONTROL SYSTEM INSPECTION

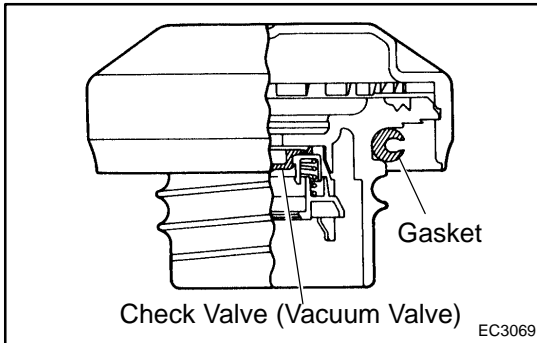
EC0H0-01

### 1. INSPECT LINES AND CONNECTORS

Visually check for loose connections, sharp bends or damage.

### 2. INSPECT FUEL TANK FILLER PIPE

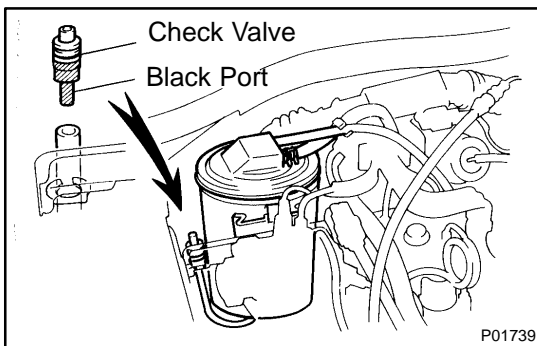
Visually check for deformation, cracks or fuel leakage.



### 3. INSPECT FUEL TANK CAP

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

If necessary, repair or replace the cap.



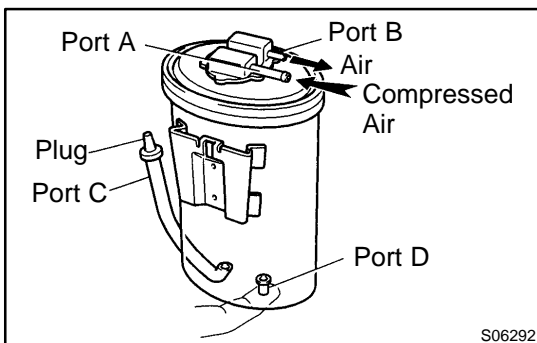
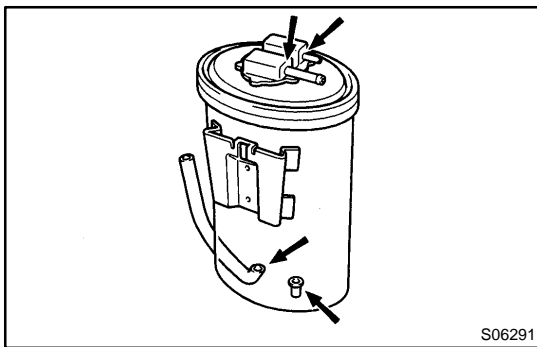
### 4. INSPECT CHARCOAL CANISTER

(a) Remove the charcoal canister.

- (1) Disconnect the EVAP hoses (vacuum hose and air hose) from charcoal canister.
- (2) Disconnect the grommet on the check valve from the bracket, and remove the charcoal canister.
- (3) Remove the check valve from the hose end on the charcoal canister.

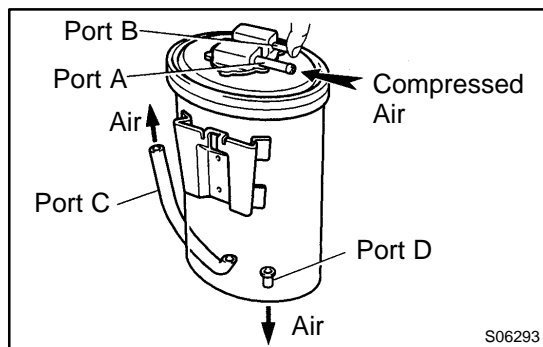
(b) Remove the cap from the charcoal canister.

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

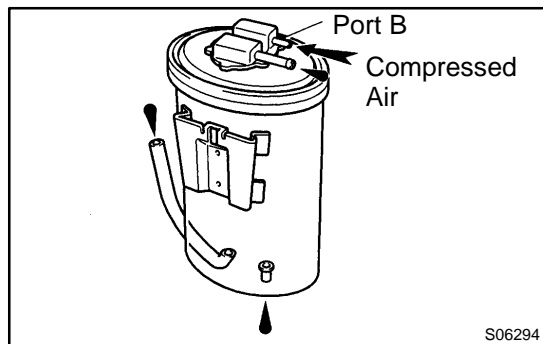


(d) Check the charcoal canister for clogged and stuck check valve.

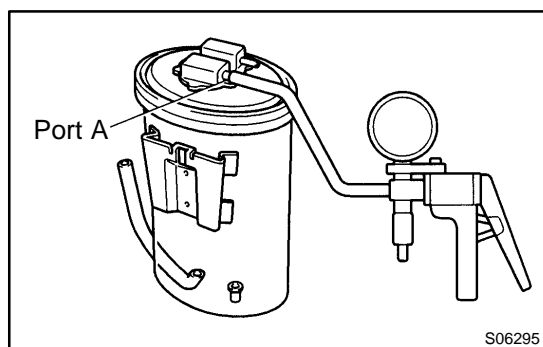
- (1) While holding ports C and D closed, using low pressure compressed air (19.6 kPa (0.2 kgf/cm<sup>2</sup>, 2.8 psi)), blow into port A, and check that air flows without resistance from port B.



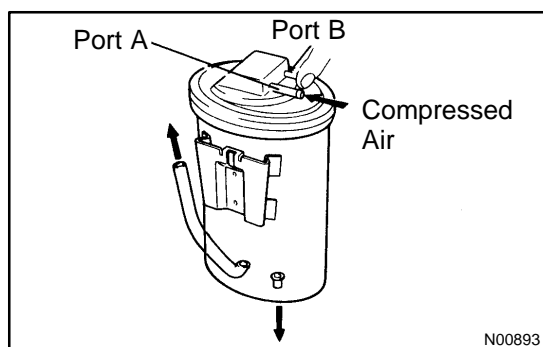
- (2) While holding port B closed, using low pressure compressed air (19.6 kPa (0.2 kgf/cm<sup>2</sup>, 2.8 psi)), blow into port A, and check that air flows without resistance from ports C and D.



- (3) Blow low pressure compressed air (19.6 kPa (0.2 kgf/cm<sup>2</sup>, 2.8 psi)) into port B, and check that air does not flow from the other ports.



- (4) Apply vacuum (9.8 kPa, 73.5 mmHg, 2.9 in.Hg) to port A and check that the vacuum gauge indicator will settle at about 1.0 kPa (7.5 mmHg, 0.3 in.Hg).  
If operation is not as specified, replace the charcoal canister.  
(e) Reinstall the cap from the charcoal canister.

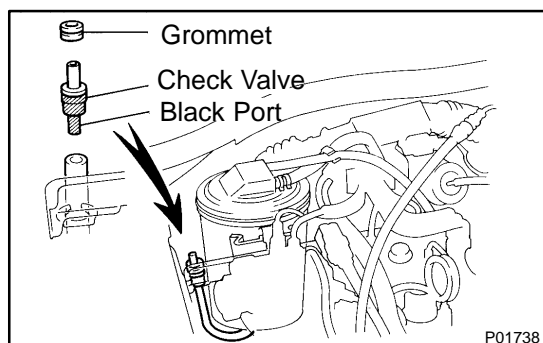


- (f) Clean the filter by blowing 294 kPa (3 kgf/cm<sup>2</sup>, 43 psi) of compressed air into port A while holding port B closed.

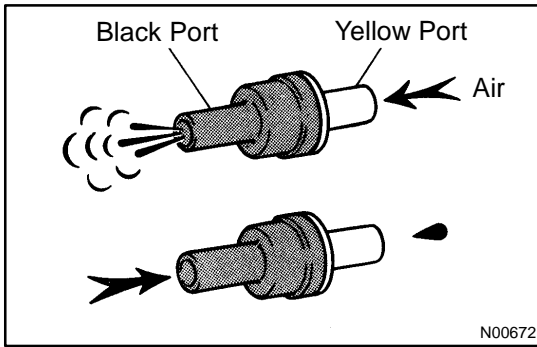
**NOTICE:**

**Do not attempt to wash the canister. No activated carbon should come out.**

- (g) Reinstall the charcoal canister.

**5. INSPECT CHECK VALVE (ON AIR DRAIN HOSE)**

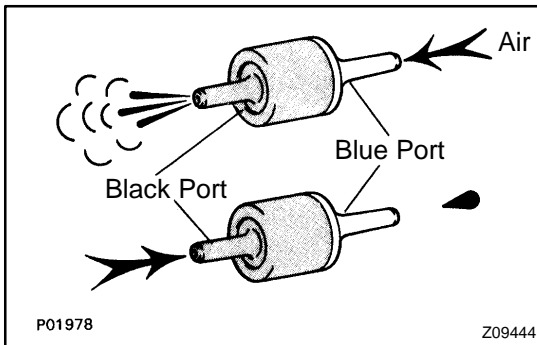
- (a) Remove the check valve.
- (1) Disconnect the grommet on the check valve from the bracket.
  - (2) Remove the check valve from the hose and on the charcoal canister.
  - (3) Remove the grommet from the check valve.



- (b) Inspect the check valve.
- (1) Check that air flows from the yellow port to the black port.
  - (2) Check that air does not flow from the black port to the yellow port.

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

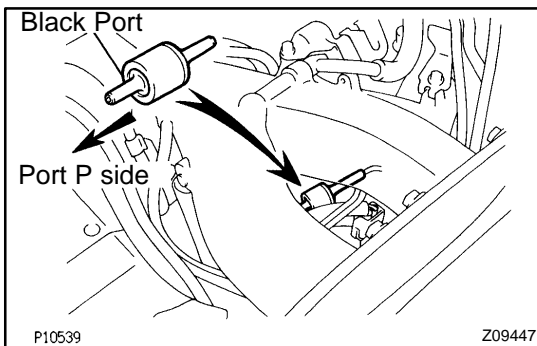
- (c) Reinstall the check valve.



## 6. INSPECT CHECK VALVE (BETWEEN THROTTLE BODY AND CHARCOAL CANISTER)

- (a) Remove the check valve.
- (b) Inspect the check valve.
- (1) Check that air flows from the blue port to the black port.
  - (2) Check that air does not flow from the black port to the blue port.

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



- (c) Reinstall the check valve.

HINT:

Install the check valve with the black port facing the port P side of the throttle body.