EC0JL−04

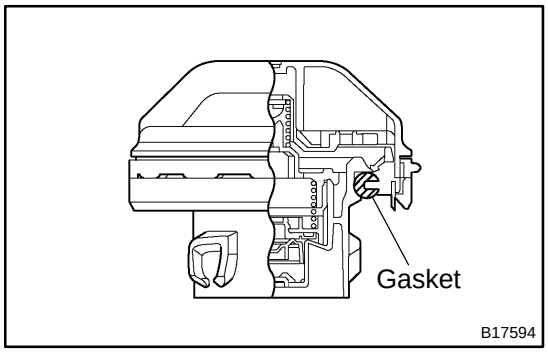
INSPECTION

1. INSPECT LINES AND CONNECTIONS

Visually check for loose connections, sharp bends or damage.

2. INSPECT FUEL TANK

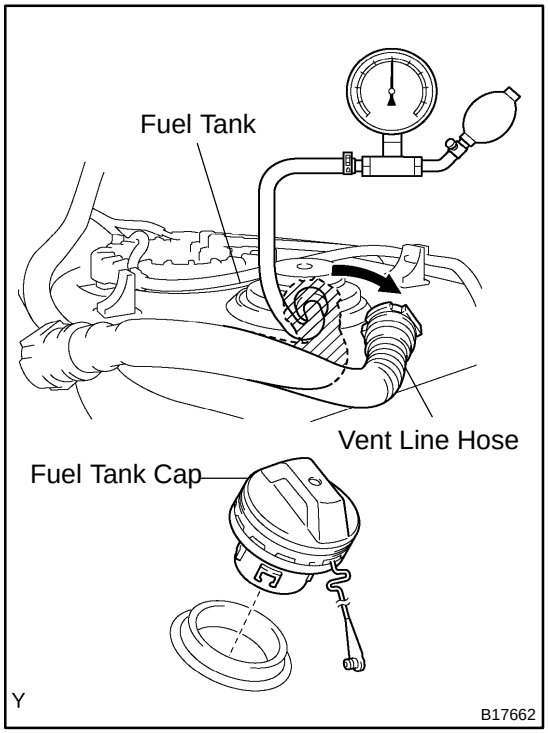
Visually check for deformation, cracks or fuel leakage.



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 FUEL CUTOFF VALVE AND FILL CHECK VALVE

(a) Disconnect the vent line hose from the fuel tank.

(b) Connect the pressure gauge to the fuel tank.

(c) Fill the fuel tank with fuel.

(d) Apply pressure of 4 kPa (41 gf/cm^2,0.58 psi) to the vent port of the fuel tank.

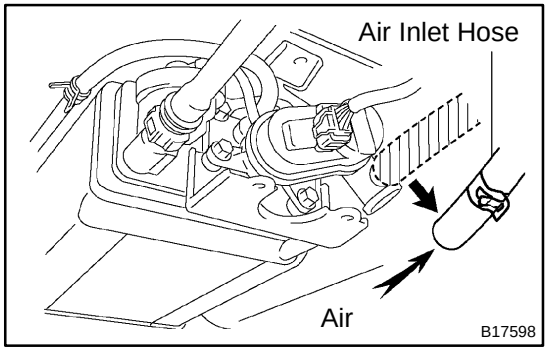
HINT:

It is necessary to check the amount of fuel in the fuel tank. When the fuel tank is full, the float valve of the fill check valve is closed and no air can pass through.

(e) Remove the fuel tank cap, and check that the pressure drops.

If the pressure does not drop, replace the fuel tank assembly.

(f) Reconnect the vent line hose to the fuel tank.



5. CHECK AIR INLET LINE

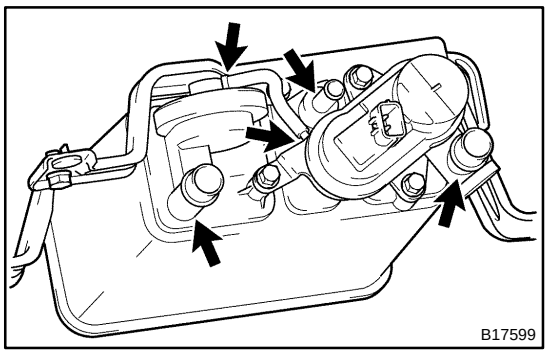
(a) Disconnect the air inlet line hose from the charcoal canister.

(b) Check that air can flow freely into the air inlet line.

If air cannot flow freely into the air inlet line, repair or replace it.

(c) Reconnect the air inlet line hose to the charcoal canister.

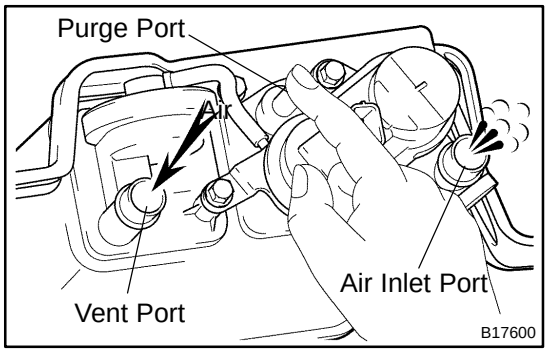
6. REMOVE CHARCOAL CANISTER ASSEMBLY



7. INSPECT CHARCOAL CANISTER ASSEMBLY

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

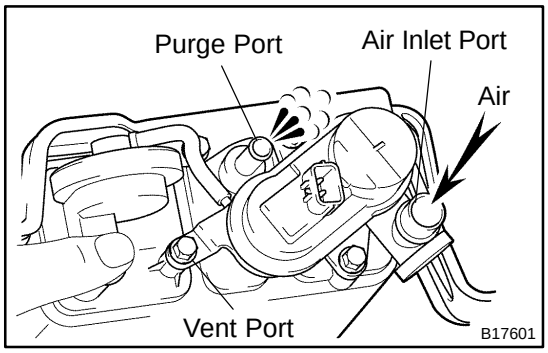
If cracks or damage are found, replace the charcoal canister assembly.



(b) Check charcoal canister operation.

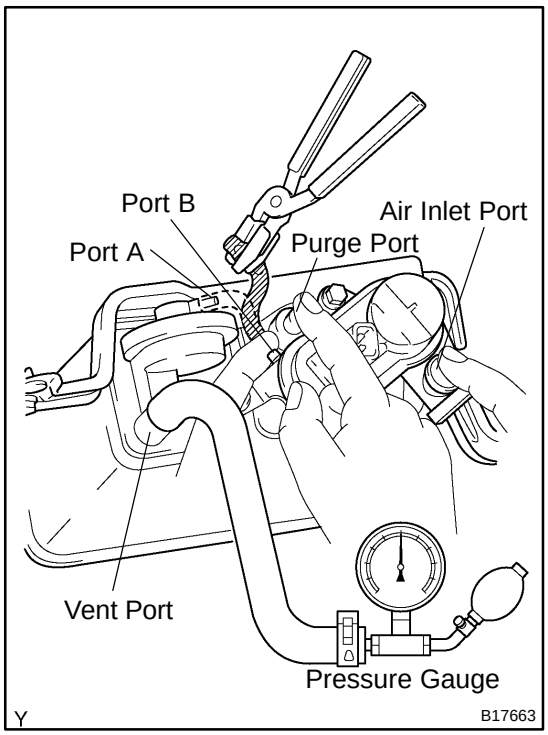
(1) With the purge port closed, blow 1.67 kPa (17.0 gf/cm^2, 0.24 psi) of air into the vent port, and check that air flows from the air inlet port.

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



(2) With the vent port closed, blow 1.10 kPa (11.2 gf/cm^2, 0.16 psi) air to the air inlet port, and check that air flows from the purge port.

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



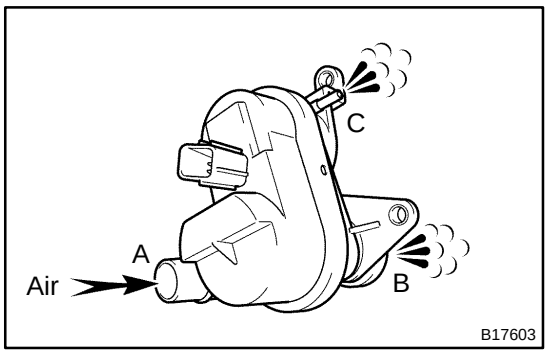
(c) Check for air leakage.

(1) Remove the air hose between ports A and B.

(2) Connect the pressure gauge to the vent port of the charcoal canister.

(3) While holding port B, with the purge port and the air inlet port closed and port A open, apply pressurized air 19.6 kPa (0.2 kgf/cm^2, 2.81 psi) of pressurized air into the vent port, then confirm that the pressure is retained for 1 minute.

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

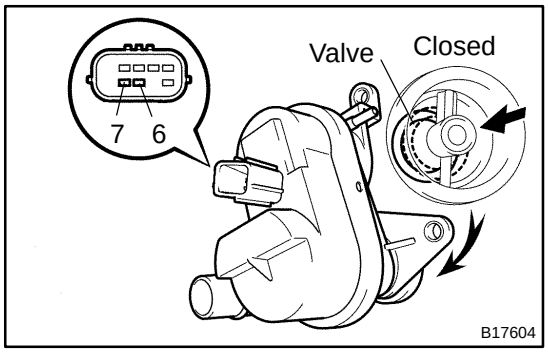


(d) Check leak detection pump.

(1) Remove the detection pump from the charcoal canister.

(2) Check that air flows from port A to B and then C.

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



(3) Connect the positive (+) lead to terminal 7 and the negative (−) lead to terminal 6.

(4) Check that the valve is closed.

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

(5) Install the detection pump.

8. **INSPECT VSV FOR EVAP (See page SF−65)**
9. **REINSTALL CHARCOAL CANISTER ASSEMBLY**

− MEMO −

− MEMO −