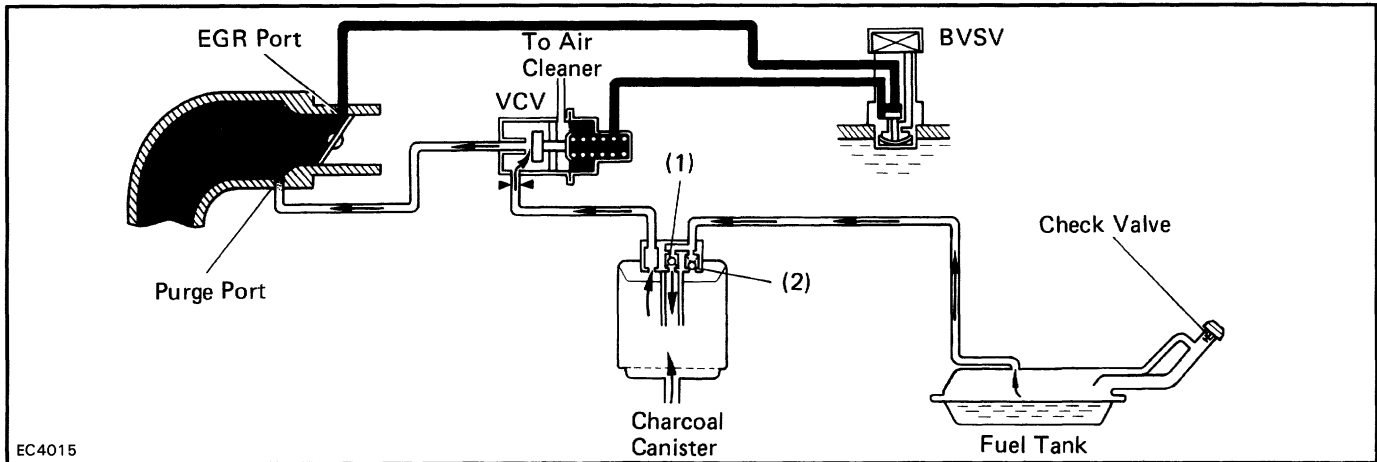
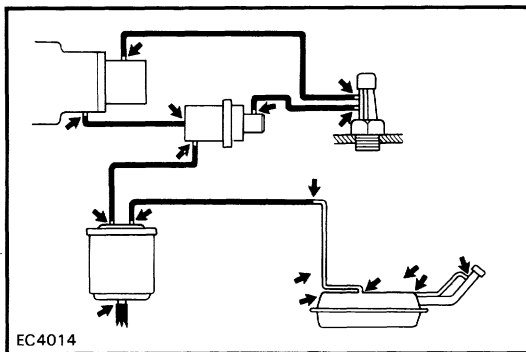


FUEL EVAPORATIVE EMISSION CONTROL (EVAP) SYSTEM



To reduce HC emission, evaporated fuel from the fuel tank is routed through the charcoal canister to the intake manifold for combustion in the cylinders.

Coolant Temp.	BVS	Vacuum at EGR Port	VCV	Check Valve		Check Valve in Cap	Evaporated Fuel (HC)
				(1)	(2)		
Below 45°C (113°F)	CLOSED	—	CLOSED			—	HC from tank is absorbed into the canister.
Above 64°C (147°F)	OPEN	Blow 50 mmHg. (1.97 in. Hg)	CLOSED				
		Above 70 mmHg. (2.76 in. Hg)	OPEN			—	HC from canister is led into air intake chamber.
High pressure in tank				OPEN	CLOSED	CLOSED	HC from tank is absorbed into the canister.
High vacuum in tank		—		CLOSED	OPEN	OPEN	Air is led into the fuel tank.



INSPECTION OF FUEL VAPOR LINES, FUEL TANK AND TANK CAP

1. VISUALLY INSPECT LINES AND CONNECTIONS

Look for loose connections, kinks or damage.

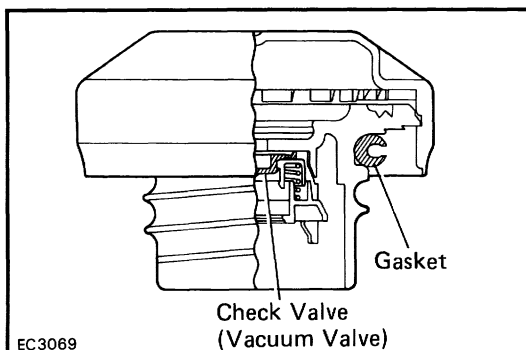
2. VISUALLY INSPECT FUEL TANK

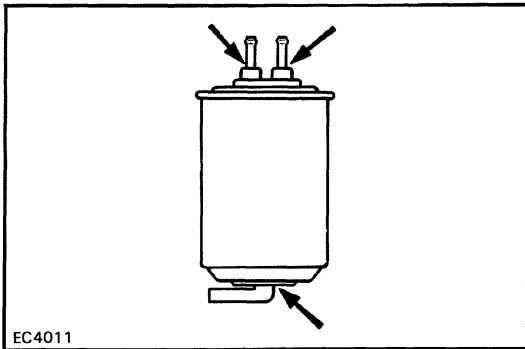
Look for deformation, cracks or fuel leakage.

3. VISUALLY INSPECT FUEL TANK CAP

Look for a damaged or deformed gasket and cap.

If necessary, repair or replace the cap.

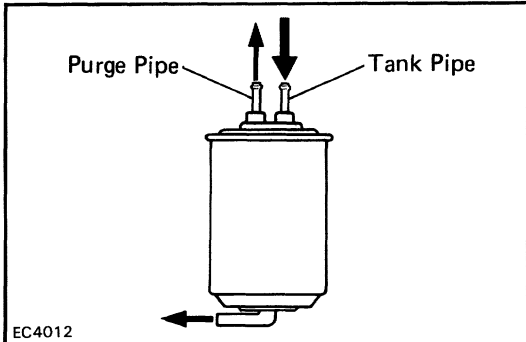




INSPECTION OF CHARCOAL CANISTER

1. REMOVE CHARCOAL CANISTER
2. VISUALLY INSPECT CHARCOAL CANISTER CASE

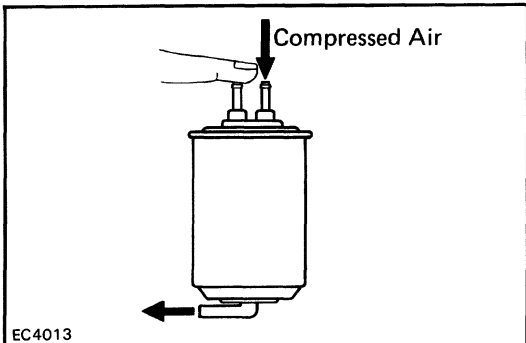
Look for cracks or damage.



3. CHECK FOR CLOGGED FILTER AND STUCK CHECK VALVE

- (a) Using low pressure compressed air, blow into the tank pipe and check that the air flows without resistance from the other pipes.
- (b) Blow into the purge pipe and check that the air does not flow from the other pipes.

If a problem is found, replace the charcoal canister.



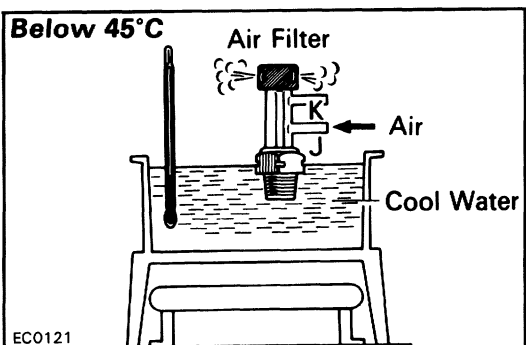
4. CLEAN FILTER IN CANISTER

Clean the filter by blowing 294 kPa (3 kgf/cm², 43 psi) of compressed air into the tank pipe, while holding the other upper canister pipe closed.

HINT:

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

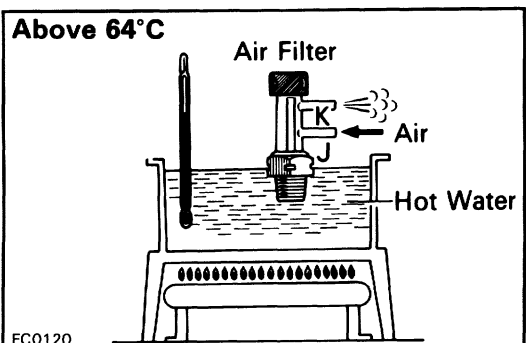
5. INSTALL CHARCOAL CANISTER



INSPECTION OF BVS

CHECK BVS BY BLOWING AIR INTO PIPE

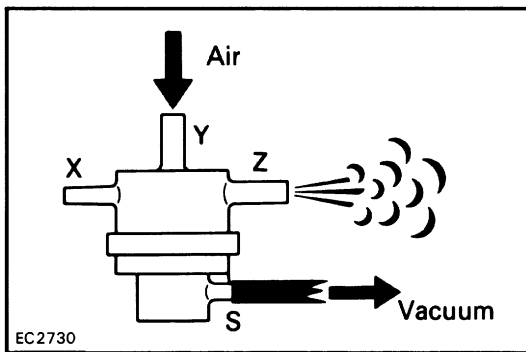
- (a) Drain the coolant from the radiator into a suitable container.
- (b) Remove the BVS from the water outlet.
- (c) Cool the BVS to below 45°C (113°F) with cool water.
- (d) Check that air flows from pipe J to the air filter.



- (e) Heat the BVS to above 64°C (147°F) with hot water.
- (f) Check that air flows from pipe J to pipe K.
- (g) Apply sealant to the threads of the BVS and reinstall.

Sealant: Part No. 08833-00070, THREE BOND 1324 or equivalent

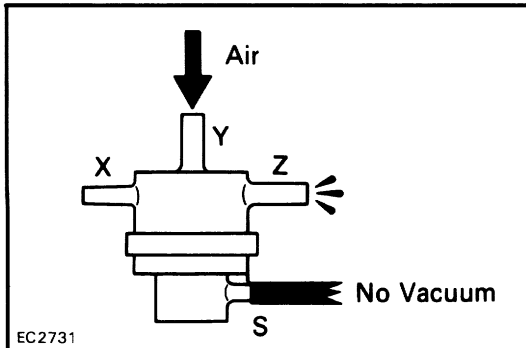
- (h) Fill the radiator with coolant.



INSPECTION OF VCV

CHECK VCV BY BLOWING AIR INTO PIPE

- (a) Apply vacuum above 70 mmHg (2.76 in.Hg) to pipe S.
- (b) Blow air into pipe Y and check that air comes out of pipe Z.



- (c) Stop the applied vacuum.
- (d) Blow air into pipe Y and check that air does not come out of pipe Z.

If a problem is found, replace the VCV.