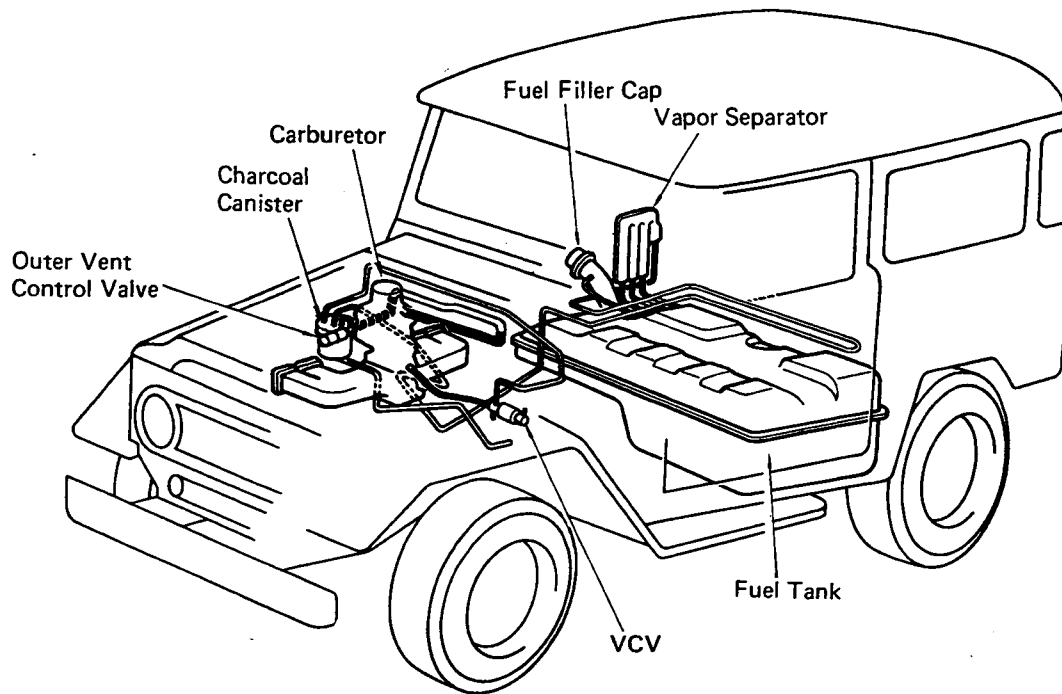
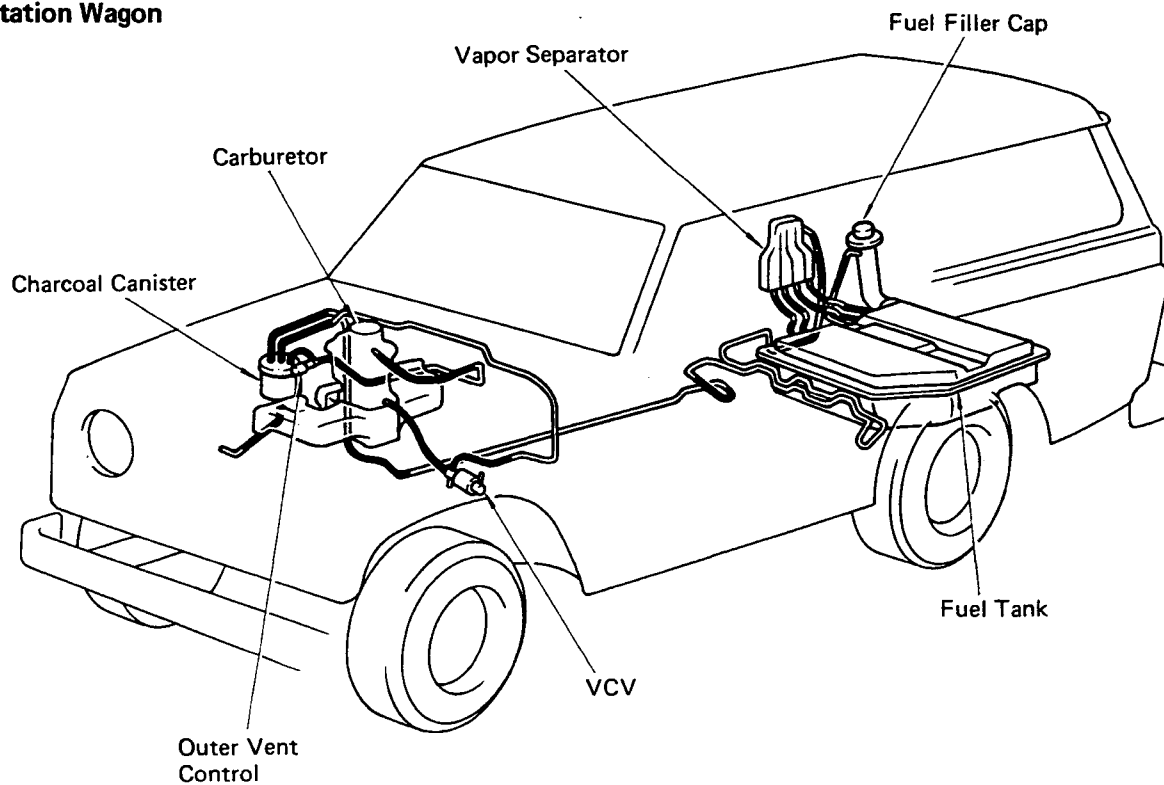


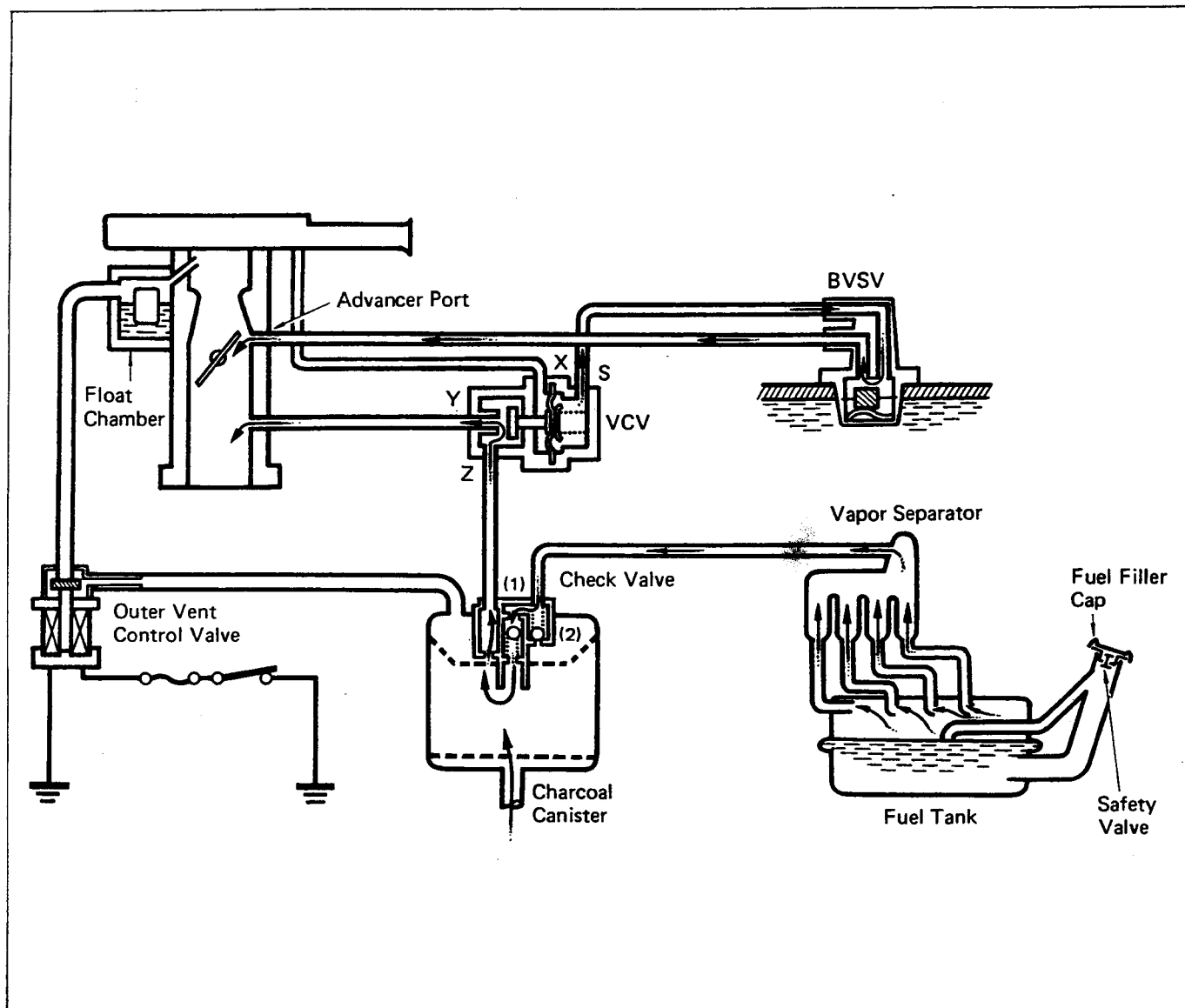
FUEL EVAPORATIVE EMISSION CONTROL (EVAP) SYSTEM

Hardtop and Softtop



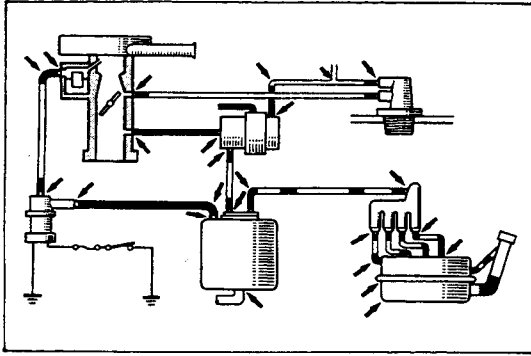
Station Wagon





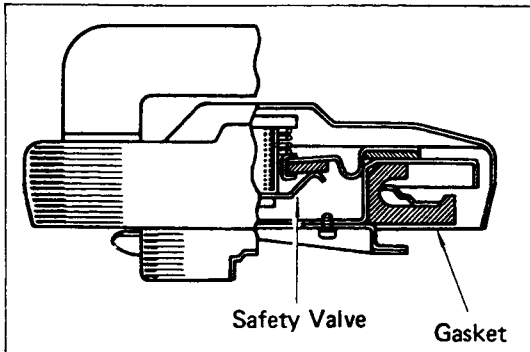
To reduce HC emissions, evaporated fuel from fuel tank and float chamber is routed through the charcoal canister to the carburetor for combustion in the cylinders.

IG S/W	Outer Vent Control Valve	Coolant Temp.	BVS	Vacuum at Advancer Port	VCV	Check Valve		Safety Valve in Cap	Evaporated Fuel (HC)
						(1)	(2)		
OFF	OPEN	—	—	—	CLOSED	—	—	—	HC from tank and float chamber is absorbed into the canister.
ON	CLOSED	Below 30°C (86°F)	CLOSED	—	CLOSED	—	—	—	HC from tank is absorbed into the canister.
		Above 44° (111°F)	OPEN	Below 50 mmHg (1.97 in.Hg)	CLOSED	—	—	—	
				Above 70 mmHg (2.76 in.Hg)	OPEN	—	—	—	HC from canister is led into intake manifold.
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 tank.)



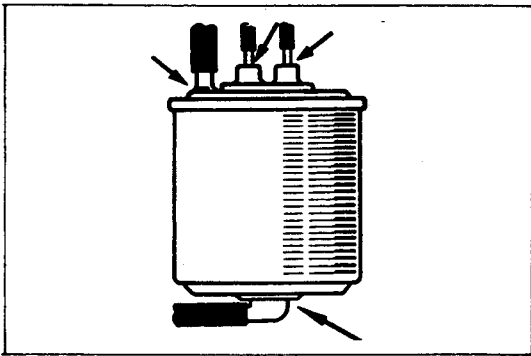
INSPECTION OF FUEL VAPOR LINES, FUEL TANK AND TANK CAP

1. **VISUALLY INSPECT LINES AND CONNECTIONS**
Look for loose connections, sharp bends or damage.
2. **VISUALLY INSPECT FUEL TANK**
Look for deformation, cracks or fuel leakage.



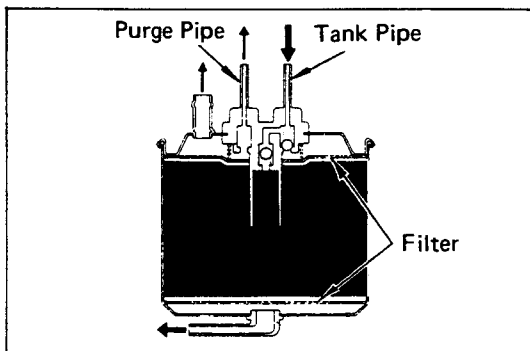
3. **VISUALLY INSPECT FUEL FILLER CAP**
 - (a) Remove four screws and protector.
 - (b) Look for damaged or deformed gasket.
 - (c) Look for stuck safety valve.
 - (d) Install the protector.

If the safety valve is stuck, repair or replace the cap.



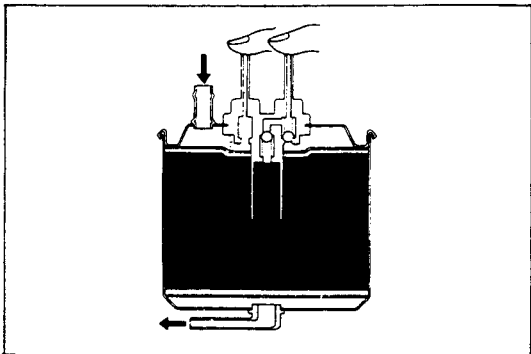
INSPECTION OF CHARCOAL CANISTER

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 flows without resistance from the other pipes.

If a problem is found, replace the charcoal canister.

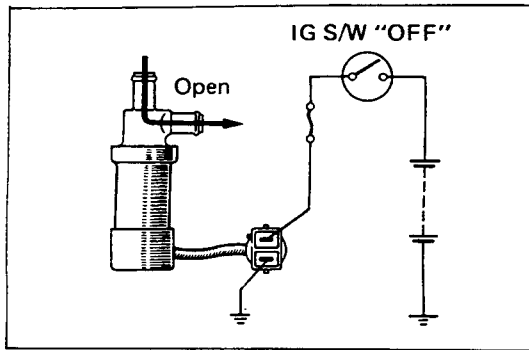


4. **CLEAN FILTER IN CANISTER**
Clean the filter by blowing 3 kg/cm² (43 psi) air into the pipe to the outer vent control valve, while holding the other upper canister pipes closed.

NOTE:

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

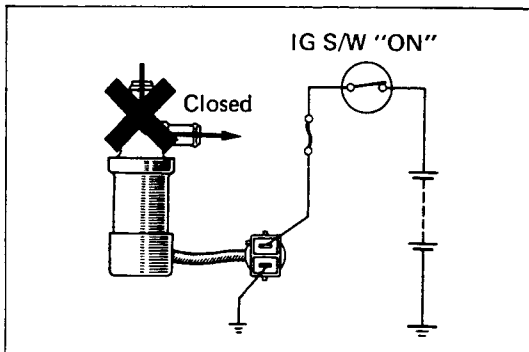
5. **INSTALL CHARCOAL CANISTER**



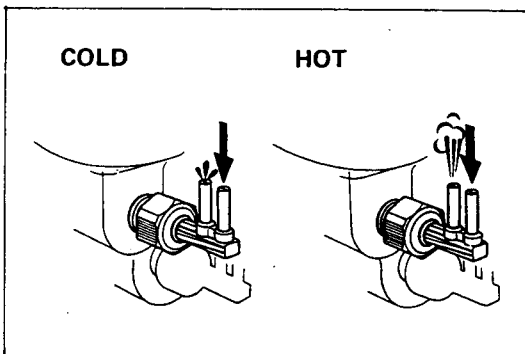
INSPECTION OF OUTER VENT CONTROL VALVE

CHECK OUTER VENT CONTROL VALVE OPERATION

- Disconnect the hoses from the valve.
- Check that the valve is open when the ignition switch is "OFF".



- Check that the valve is closed when the ignition switch is "ON".
 - Reconnect hoses to proper locations.
- If the valve does not operate, check the fuse and the wiring connections.

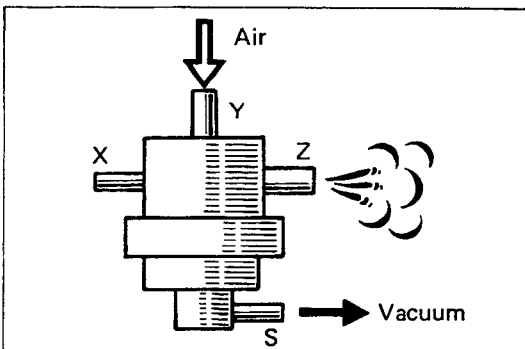


INSPECTION OF BVS

CHECK BVS BY BLOWING AIR INTO PIPES

- With coolant temperature below 30°C (86°F), blow air into a pipe and check that the BVS closes.
- After warming-up the engine, blow air into a pipe and check that the BVS opens.

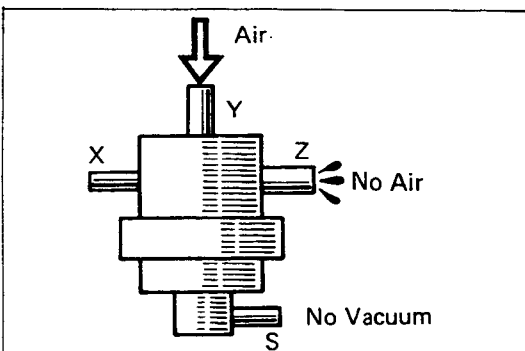
If a problem is found, replace the BVS.



INSPECTION OF VCV

CHECK VCV BY BLOWING AIR INTO PIPE

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



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

If a problem is found, replace the VCV.