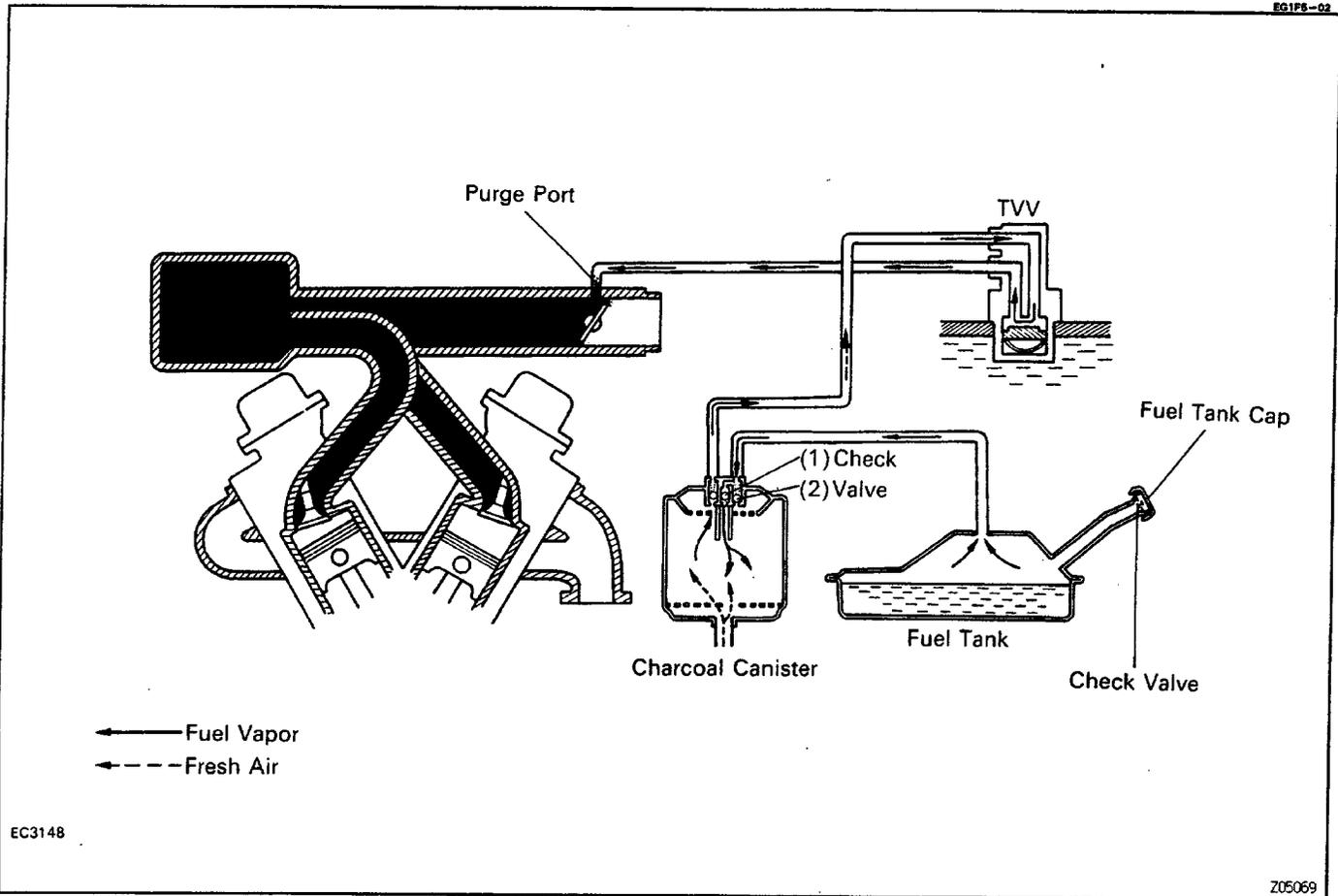
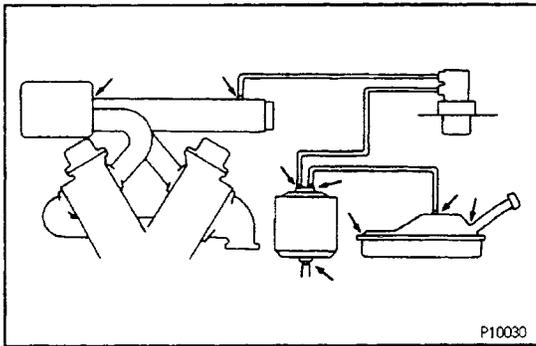


EVAPORATIVE (EVAP) EMISSION CONTROL SYSTEM



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.

| Engine Coolant Temp. | TVV | Throttle Valve Opening | Check Valve is Charcoal Canister | | | Check Valve in Cap | Evaporated Fuel (HC) |
|-----------------------|--------|-----------------------------|----------------------------------|--------|--------|--------------------|---|
| | | | (1) | (2) | (3) | | |
| Below 35°C (95°F) | CLOSED | - | - | - | - | - | HC from tank is absorbed in the canister. |
| Above 54°C (129°F) | OPEN | Positioned below purge port | CLOSED | - | - | - | HC from canister is led into air intake manifold. |
| | | Positioned above purge port | OPEN | - | - | - | |
| High pressure in tank | - | - | - | OPEN | CLOSED | CLOSED | HC from tank is absorbed in the canister. |
| High vacuum in tank | - | - | - | CLOSED | OPEN | OPEN | (Air is led into the fuel tank.) |



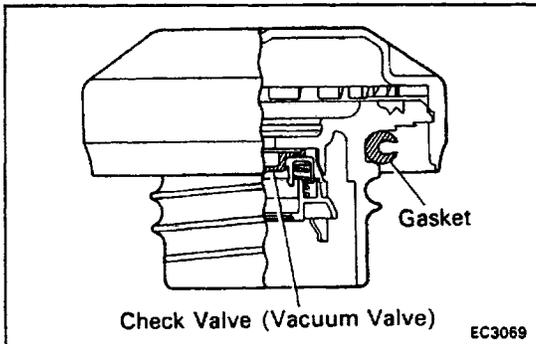
FUEL VAPOR LINES, FUEL TANK AND TANK CAP INSPECTION

1. VISUALLY INSPECT LINES AND CONNECTIONS

Look for loose connections, sharp bends or damage.

2. VISUALLY INSPECT FUEL TANK

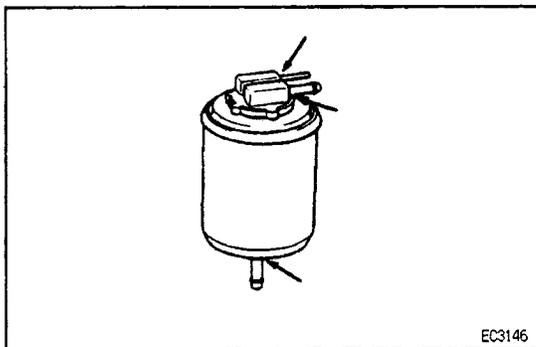
Look for deformation, cracks or fuel leakage.



3. VISUALLY INSPECT FUEL TANK CAP

Look for a damaged or deformed gasket and cap.

If necessary, repair or replace the cap.

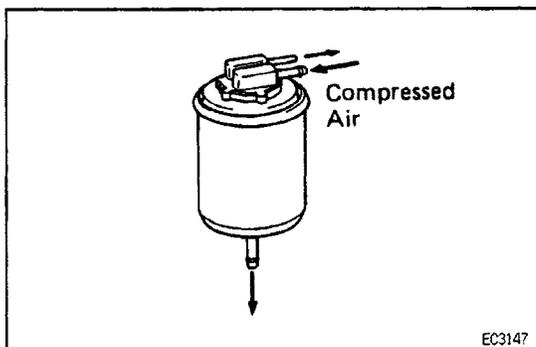


CHARCOAL CANISTER INSPECTION

1. REMOVE CHARCOAL CANISTER

2. VISUALLY INSPECT CHARCOAL CANISTER CASE

Look for cracks or damage.

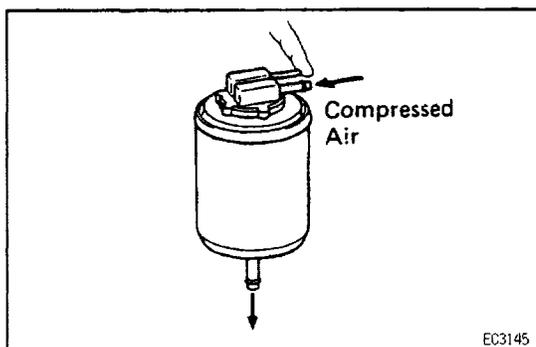


3. CHECK FOR CLOGGED FILTER AND STUCK CHECK VALVE

(a) Using low pressure compressed air, blow air into the tank pipe and check that air flows without resistance from the other pipes.

(b) Blow air into the purge pipe and check that air does not flow from the other pipes.

If a problem is found, replace the charcoal canister.



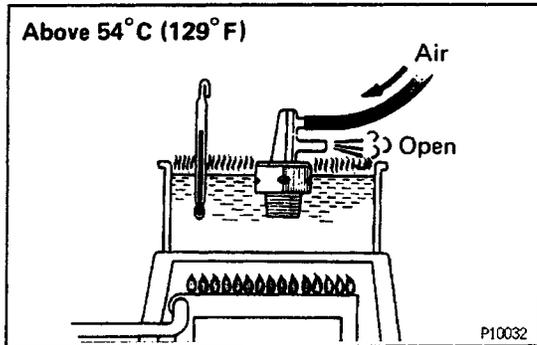
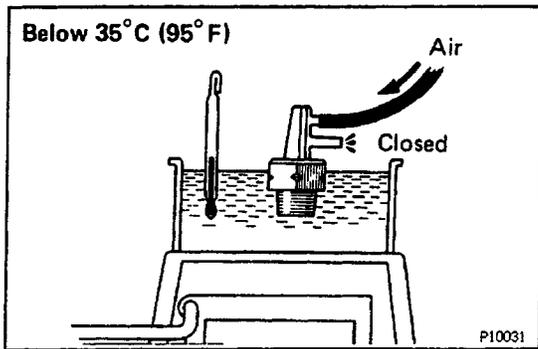
4. CLEAN FILTER IN CANISTER

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

HINT:

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

5. INSTALL CHARCOAL CANISTER



TVV INSPECTION

CHECK TVV BY BLOWING AIR INTO PIPE

- (a) Drain the coolant from the radiator into a suitable container.
- (b) Remove the TVV from the intake manifold.
- (c) Cool the TVV to below 35°C (95°F) with cool water.
- (d) Blow air into a pipe and check that the TVV is closed.
- (e) Heat the TVV to above 54°C (129°F) with hot water.
- (f) Blow air into a pipe and check that the TVV is open.

If a problem is found, replace the TVV.

- (g) Apply adhesive to two or three threads of the TVV, and reinstall it.

Adhesive:

**Part No. 08833-00070. THREE BOND 1324
or equivalent**

Torque: 25 N-m (250 kgf-cm, 18 ft-lbf)

- (h) Fill the radiator with engine coolant.