CHRYSLER CORP.

DESCRIPTION

The evaporation control system prevents gasoline vapors from the fuel tank and carburetor from escaping into the atmosphere. The systems are all dual canister types.

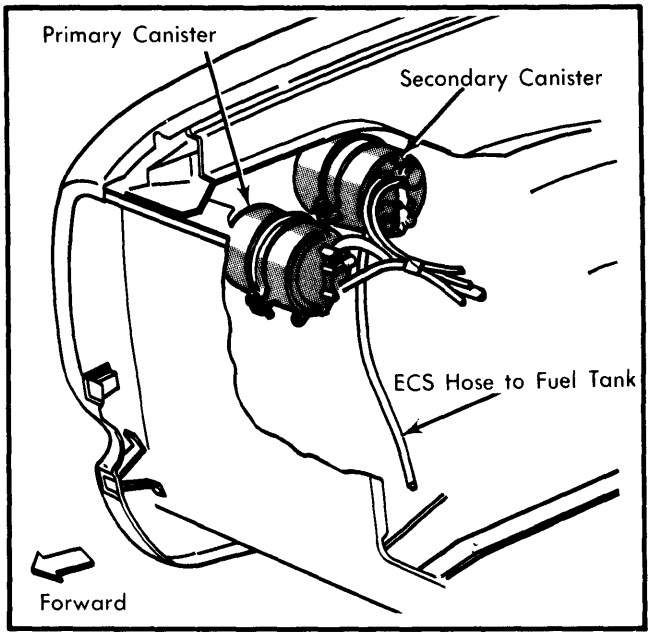

Fig. 1 Typical Dual Canister Mounting on "D" & "W" Models

OPERATION

When fuel evaporates in the carburetor float chamber or fuel tank, vapors pass through vent hoses or tubes to the charcoal canister. Fuel vapors are held on the activated charcoal surface until they are drawn into the intake manifold when the engine is running. A vacuum port in the carburetor base controls vapor flow to the engine.

On the two-canister system, fuel vapors from the primary canister are purged through the carburetor port. Vapors from the secondary canister are purged through the PCV hose to the carburetor using a distributor vacuum signal applied to the purge switch.

MAINTENANCE

There is no required service on the fuel evaporation control system except replacement of the filter element in the charcoal canister. Replace filters every 18,000 miles on Heavy Duty emission models (over 8,500 lbs. GVW). On all other models replace filter every 30,000 miles.

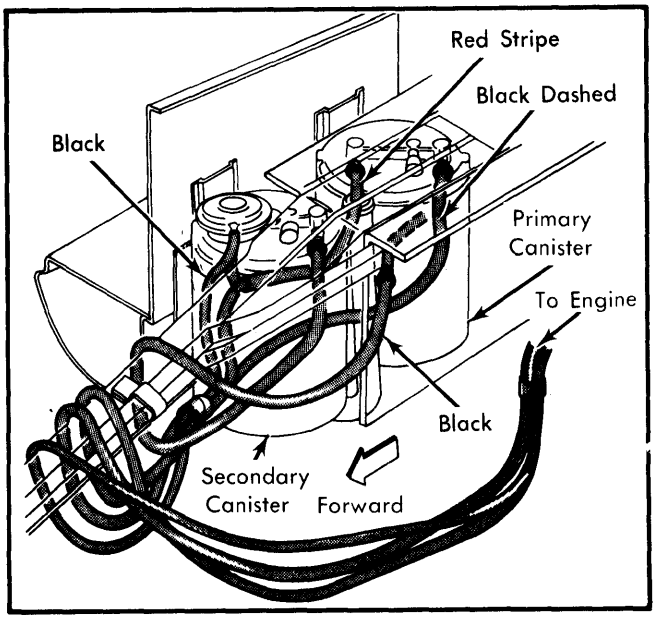

Fig. 2 Typical Vapor Hose Routing for Dual Canister "B" & "PB" Models

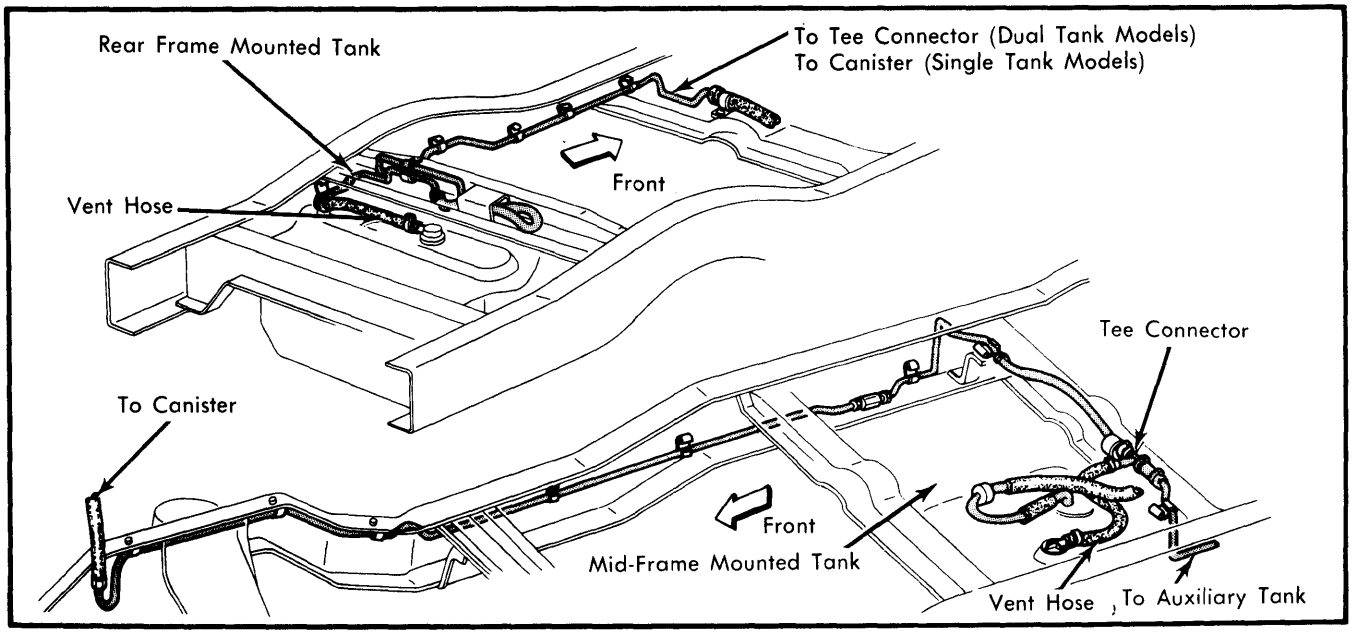

Fig. 3 Typical Evaporation Control System Hose Routing for "D" & "W" Models