

1974-79 EXHAUST EMISSION SYSTEMS

Ford Motor Co. Fuel Evaporation

3-175

1975-78 Capri, Capri II

DESCRIPTION

System is designed to limit emission of fuel vapor into atmosphere. System consists of fuel tank, pressure/vacuum sensitive fuel tank cap, a metered bleed orifice in the vapor line, and a charcoal canister.

OPERATION

As level of fuel in tank rises, vapors are discharged to atmosphere through fill control tube and a space between inner fill tube and outer neck. When fuel covers fill control tube, vapors can no longer escape and fill tube begins to fill up. When this occurs, a vapor lock is formed by the .040" restrictor and neither vapor nor fuel can flow through the vapor line to the canister. When thermal expansion occurs in the fuel tank, vapor is forced through the restrictor and allows vapor to pass to the canister. Vapors are stored here when engine is not running, and drawn into the carburetor intake system when the engine is started.

MAINTENANCE

Entire fuel evaporation emission control system should be checked every 24 months or 24,000 miles. Replace any parts found defective or damaged.

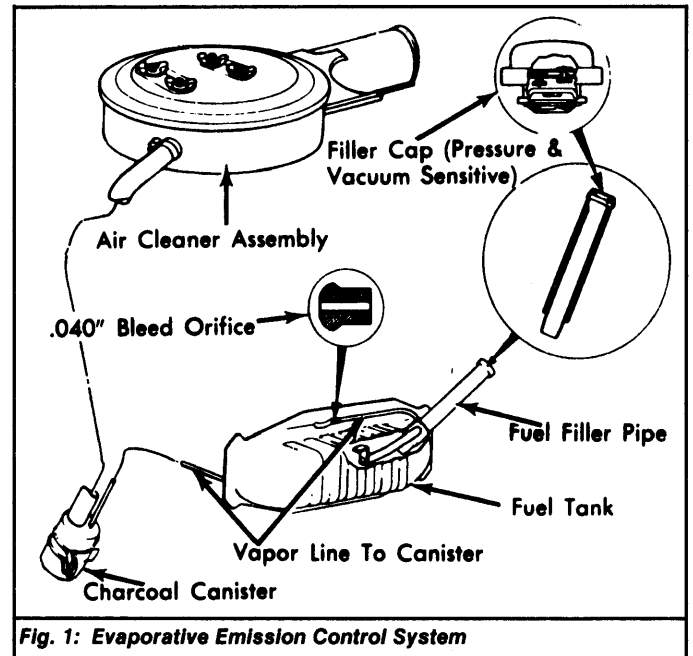


Fig. 1: Evaporative Emission Control System