

1974-79 EXHAUST EMISSION SYSTEMS

Lancia Fuel Evaporation

3-267

1977-78 All Models

DESCRIPTION

The fuel evaporation emission system is designed to prevent the escape of fuel vapors into the atmosphere. The system consists of a limited filling fuel tank with positive sealing filler cap, vapor-liquid separators, three-way valve, check valves, carbon canister, and lines to connect the various components.

OPERATION

Fuel vapors are conveyed through the system to the carbon canister where they are adsorbed by the activated carbon. During engine oper-

ation the vapors are drawn from the carbon canister into the intake manifold and into the engine. The three-way valve is used to slightly pressurize the tank, provide an air inlet to the tank, preventing any possible vacuum. The valve also acts as a safety exhaust to prevent tank overpressure. The check valves are in the system to prevent fuel leakage in the event of an accident.

MAINTENANCE

All components should be checked for leakage at 12,500, 25,000, 37,500 and 50,000 miles. Replace parts if required. Replace carbon canister at 25,000 and 50,000 miles.

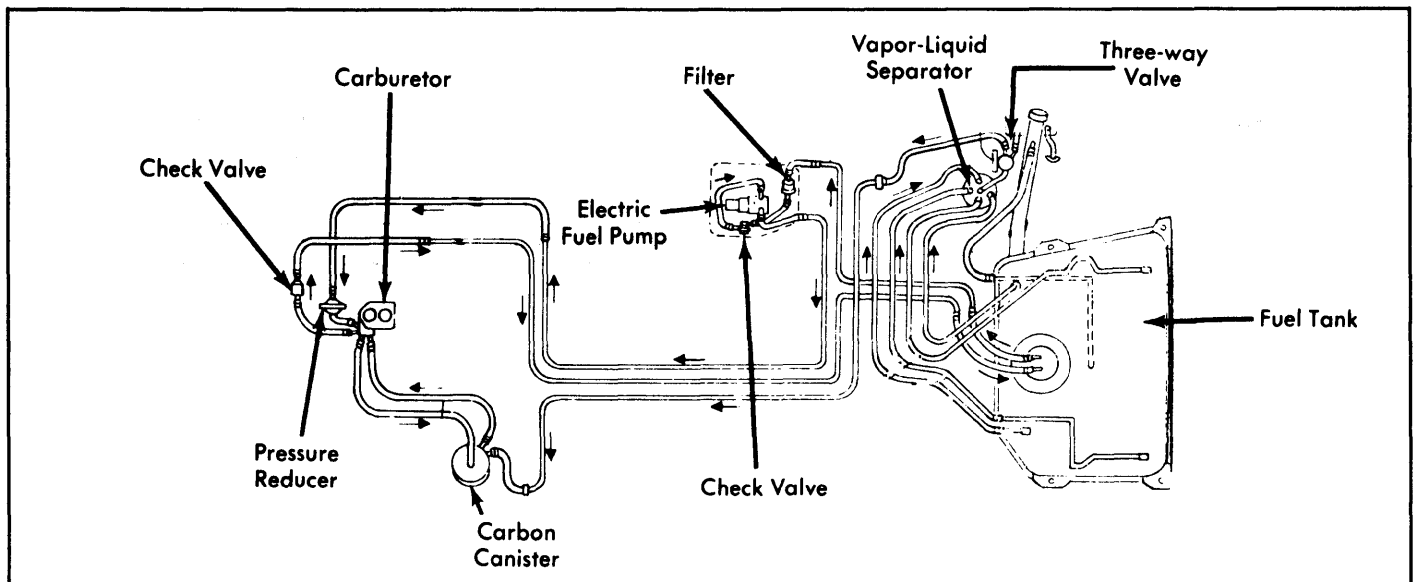


Fig. 1: Fuel Evaporation Control System (Exc. Scorpion)

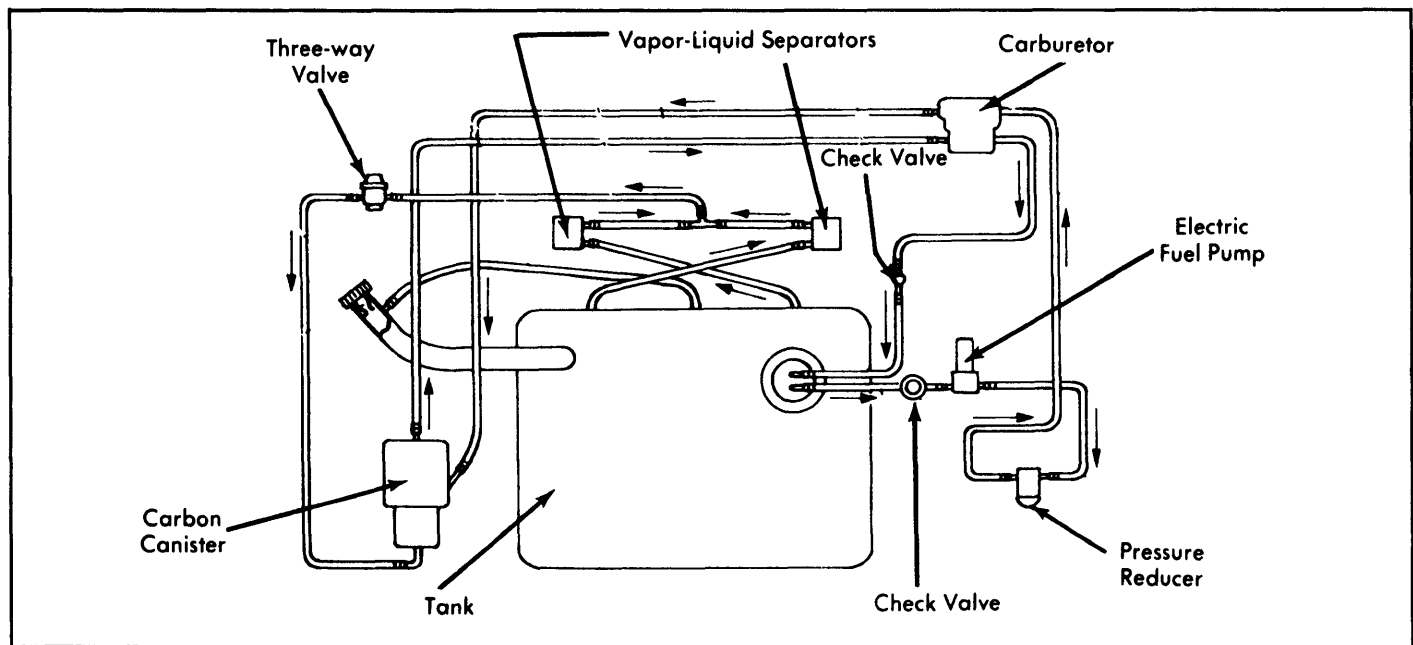


Fig. 2: Fuel Evaporation Control System (Scorpion)