

Fuel Evaporation

PORSCHE

Porsche - All Models (1970-73)

DESCRIPTION

Porsche Fuel Evaporation Emission Control System is designed to prevent fuel vapors from the vehicles fuel system from entering the atmosphere. The system consists of a sealed fuel tank filler cap, an expansion tank, vent tank, carbon canister and a series of hoses; one connecting carbon canister to air cleaner and another connecting carbon canister to the engine cooling system blower assembly.

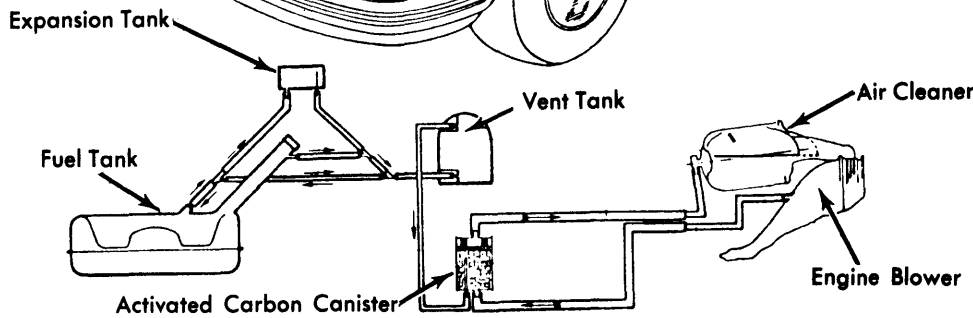
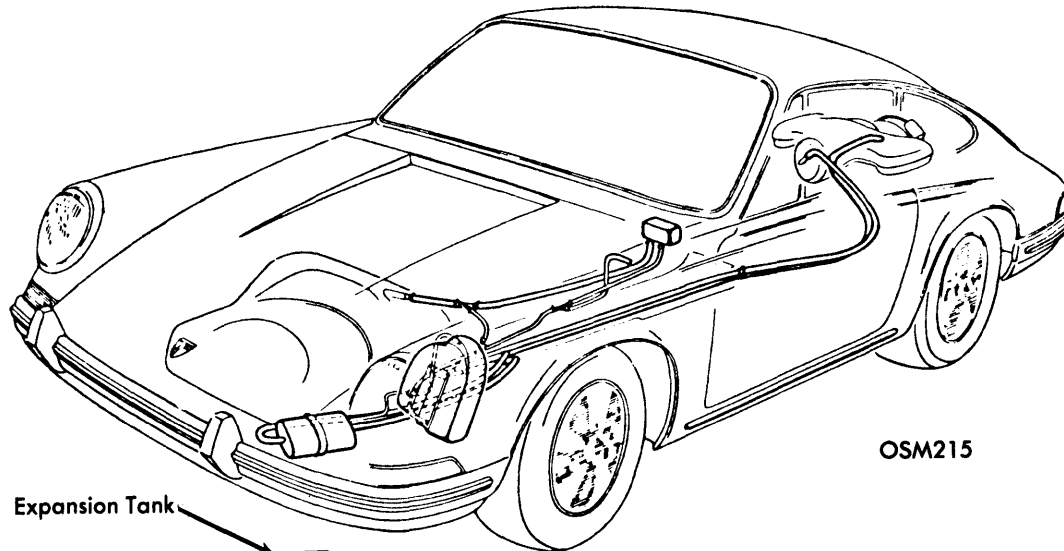
OPERATION

Excess fuel from expansion or parking on a steep angle is collected in expansion tank. This fuel will return to main tank when engine is running and fuel system is purged.

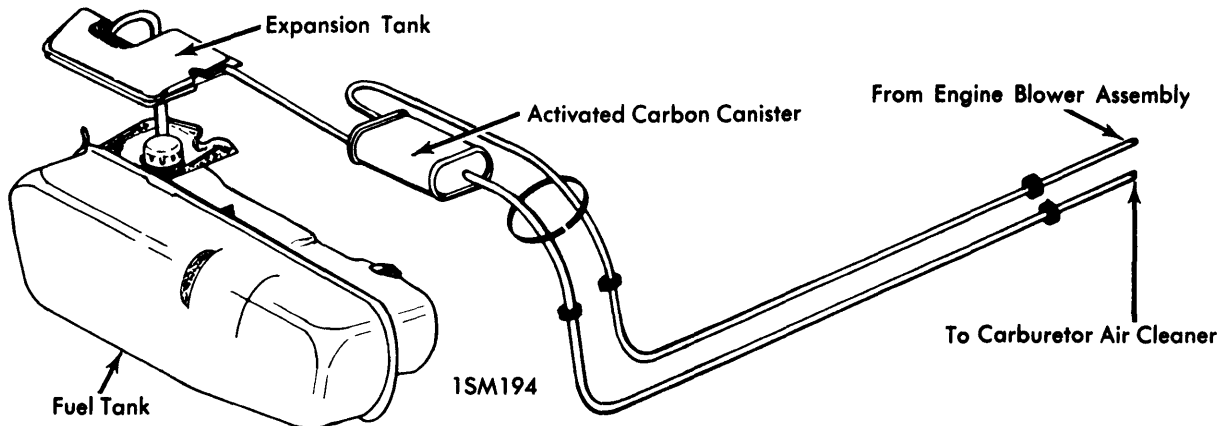
Fuel vapors, due to system being sealed, are stored in vent tank. When pressure is created in fuel system due to heat, vapors are forced to carbon canister where they are adsorbed by activated carbon. When engine is running, air from engines cooling blower assembly is forced into carbon canister. This air forces vapors in activated carbon into air cleaner where they are drawn into carburetor and engines combustion system. Air, from engines blower system, is also used to compensate for fuel being drawn from main tank when engine is running.

MAINTENANCE

Check entire system every 10,000 miles and replace activated carbon canister every 50,000 miles.



**PORSCHE EVAPORATION EMISSION CONTROL SYSTEM
(911T, 911S, & 911E MODELS)**



**PORSCHE EVAPORATION EMISSION CONTROL COMPONENTS
(914 MODELS)**