

AUDI

All Models

DESCRIPTION

The Audi Fuel Evaporation Emission Control System is designed to prevent fuel vapors from being emitted into the atmosphere. The basic components of the system are; a non-vented fuel tank filler cap, fuel tank, expansion tank, an activated carbon canister, and a series of vent lines connecting the various components to the carburetor air cleaner.

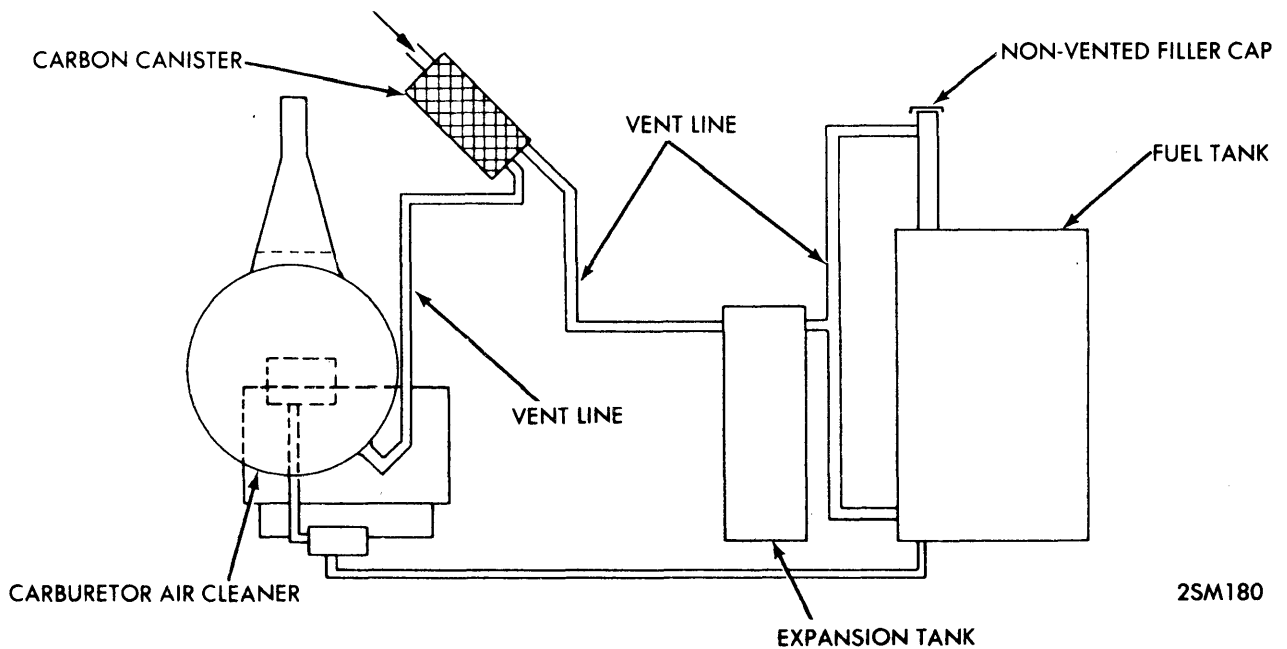
Fuel vapors produced in the main tank or expansion tank pass through a vent line to a carbon canister (located in engine compartment) where they are adsorbed by activated charcoal. A second vent line connects the carbon canister to the carburetor air cleaner. When the engine is running, intake manifold vacuum draws fresh air through the carbon canister. This fresh air mixes with the fuel vapors and is drawn into the carburetor where it enters the combustion system and is burned. This action purges the activated charcoal and renews its storage capacity.

OPERATION

Expanded fuel, caused by high ambient temperatures, is collected in the expansion tank. This fuel will be returned to the main tank by venting action as fuel is used from the main tank.

MAINTENANCE

Normal maintenance of the Fuel Evaporation Emission Control System is not required. Should any of the components of the system become damaged or fail to operate properly, they should be replaced. When inspecting or repairing the system, check all clips and hose connections for tightness. Make sure that no fuel can pass into the activated carbon canister.



AUDI FUEL EVAPORATION EMISSION CONTROL SYSTEM