

1974-79 EXHAUST EMISSION SYSTEMS

Audi Fuel Evaporation

All Models

DESCRIPTION

Audi's activated charcoal filter system is designed to prevent fuel vapors from being emitted into the atmosphere. The system consists of a non-vented fuel tank filler cap, an expansion chamber built into fuel tank, an activated charcoal canister, safety valves, an on/off valve and a series of lines which interconnect the components between fuel tank and air cleaner.

OPERATION

With engine off, fuel vapors from fuel tank flow through a vent line to charcoal canister, where they are stored. When engine is running

above idle speed, intake vacuum draws fresh air through charcoal canister and pulls stored vapors into the intake system through the air cleaner.

An on/off valve, located between charcoal canister and air cleaner, reduces hydrocarbon (HC) emissions by closing at idle to prevent vaporized fuel from entering air cleaner. Throttle housing vacuum opens valve as engine speed increases. A safety valve, located between fuel tank and charcoal canister, closes to prevent fuel leakage if vehicle rolls over.

MAINTENANCE

Every 15,000 miles check all components for leakage or deterioration. Replace as required.

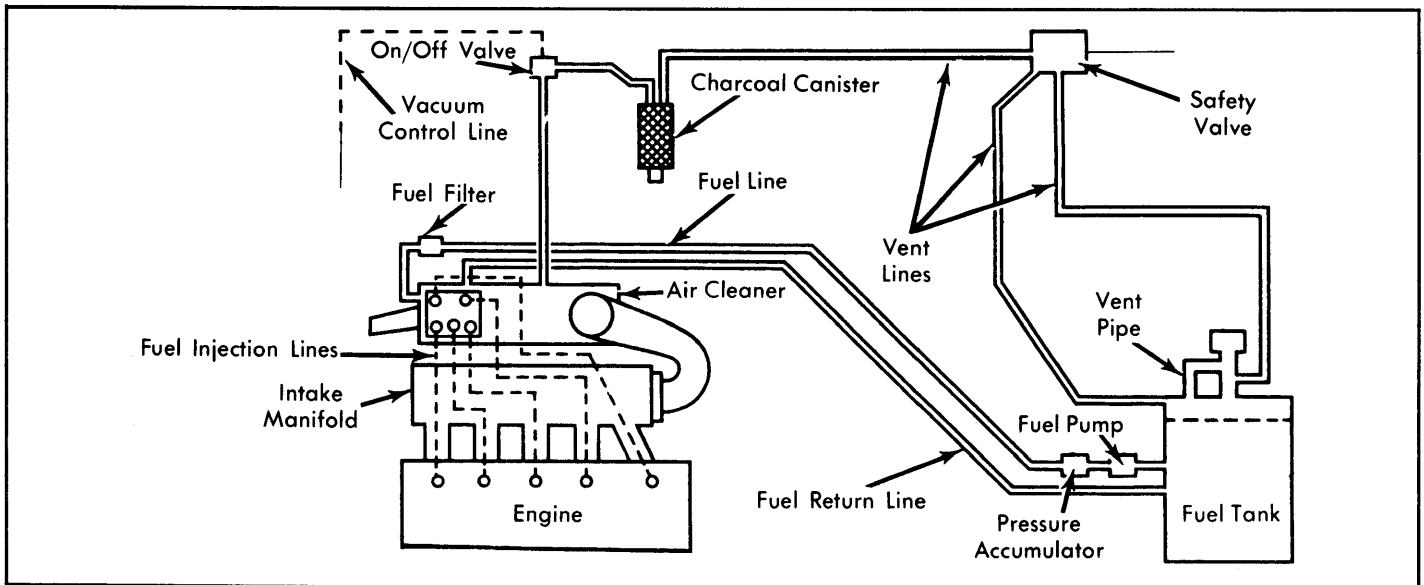


Fig. 1: Audi 5000 Fuel Evaporation System

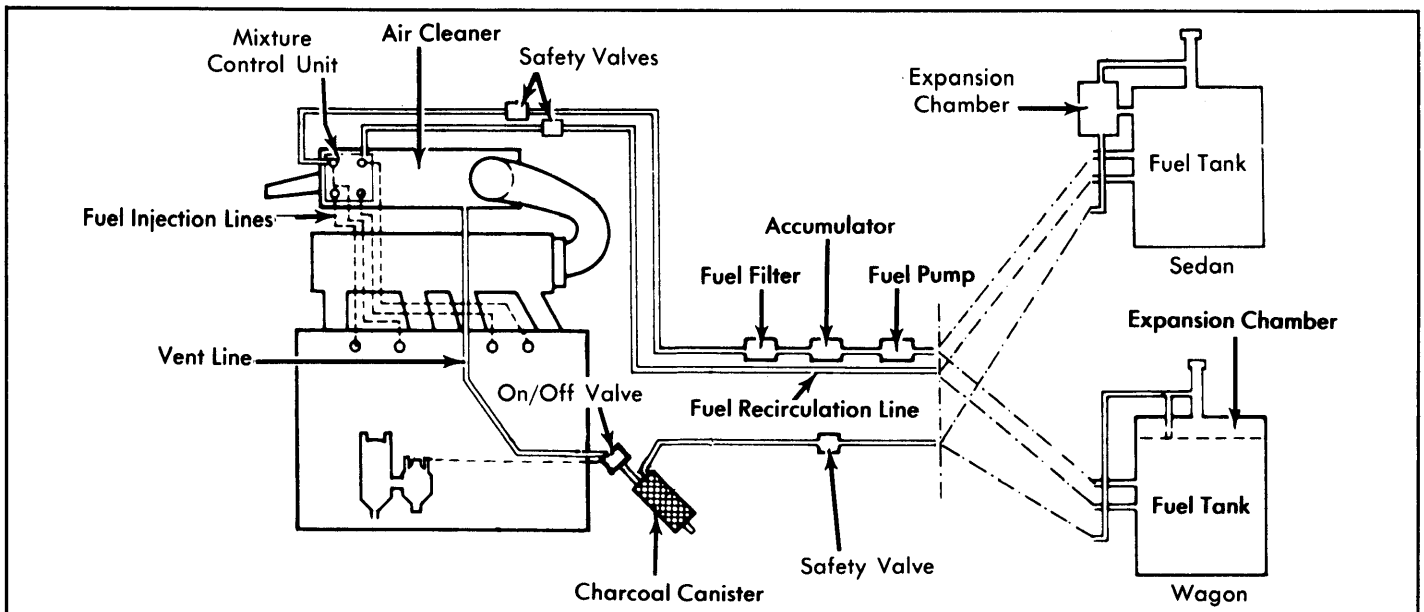


Fig. 2: Audi Fox Fuel Evaporation System

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Audi Fuel Evaporation (Cont.)

