1973 TOYOTA

Carina (2T-C Engine)
Celica (18 R-C Engine)
Corolla 1200 (3K-C Engine)
Corolla 1600 (2T-C Engine)
Corona (18R-C Engine)
Corona MK II (4M Engine)
Crown (4M Engine)
Hi Lux (18R-C Engine)
Land Cruiser (F Engine)

DESCRIPTION

Toyota Charcoal Canister Storage System is designed to prevent fuel vapors from entering the atmosphere by use of a modified fuel tank with a sealed filler cap and venting system as follows: Some models use a Thermal Expansion Tank while others use a Fuel & Vapor Separator in this system. All models use a Vacuum Switching Valve and an Activated Charcoal Canister. A Check Valve is also used on some models. *NOTE — For particular model system usage, see individual schematic illustrations.*

OPERATION

When vehicle is stopped, idling or running at low speed, vacuum switching valve is closed and fuel vapor (produced in fuel tank) travels through vapor line to charcoal canister where it is adsorbed by activated charcoal. At speeds above 15 MPH, vacuum switching valve opens. Fresh air is drawn into charcoal canister and mixes with fuel vapors and both are drawn into intake manifold where they enter combustion system and are burned. This action purges charcoal and renews its storage capacity.

TROUBLE SHOOTING

Fuel Odor or Gas Leaks — Disconnected or cracked fuel vapor line or defective components in system. Check all lines and fittings and check operation of system.

Fuel Tank or Expansion Tank Deformed — Canister clogged, fuel filler cap defective (valve will not open) or hoses clogged.

Vapors Will Not Pass To Manifold At Speeds Above 15 MPH — Hose or pipe collapsed, defective vacuum switch valve, defective computor or speed marker, defective speed sensor.

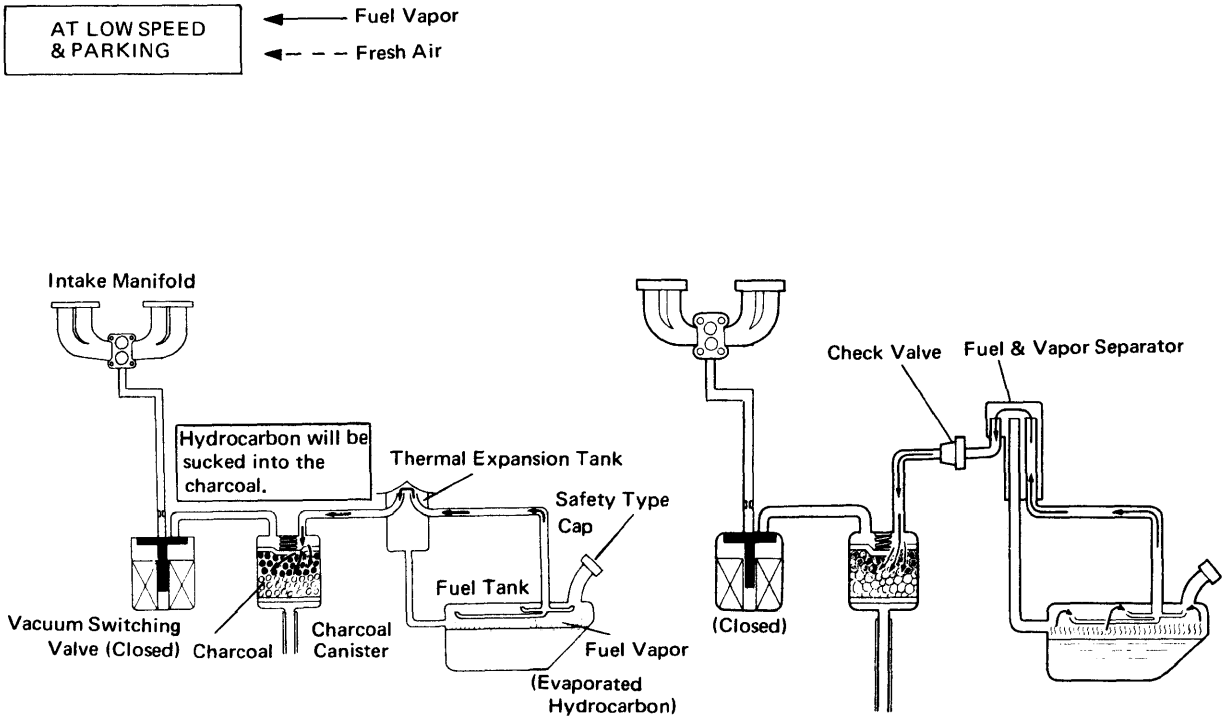
Rough Engine (Vehicle With Check Valve Only) — Defective check valve. If valve is defective, fuel may flow into vapor line.

TESTING

Vacuum Switching Valve — Raise rear wheels. Disconnect hose from canister to vacuum switching valve. Connect a vacuum gauge to vacuum switching valve. Check for vacuum when vehicle speed exceeds 15 MPH. If there is no vacuum, refer to testing procedures in "Toyota T.C.S. System" and "Toyota Throttle Positioner" in EXHAUST EMISSION Section.

MAINTENANCE

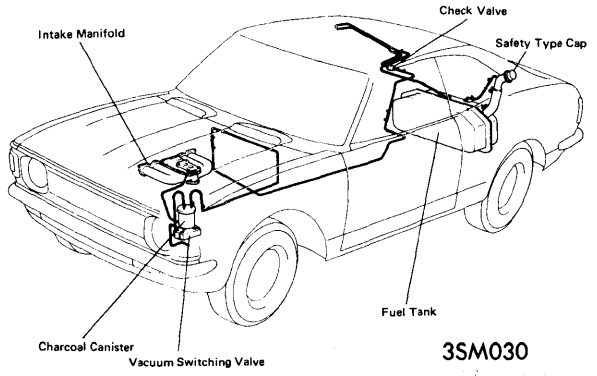
Check charcoal canister storage system pipes, hoses and connections every 6 months or 6,000 miles. Check charcoal canister every 12 months or 12,000 miles and replace canister every 5 years or 50,000 miles. Replace fuel vapor check valve (if equipped) every 12 months or 12,000 miles.



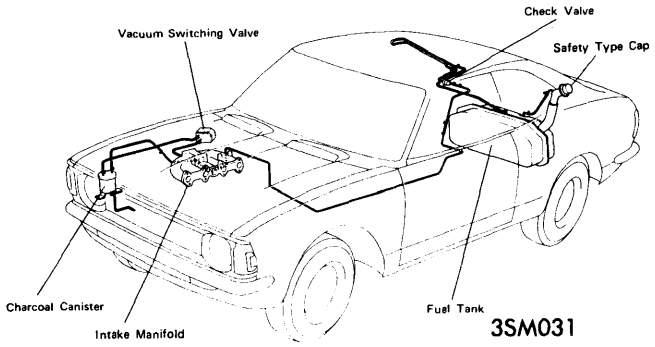
TOYOTA CHARCOAL CANISTER STORAGE SYSTEM

Fuel Evaporation

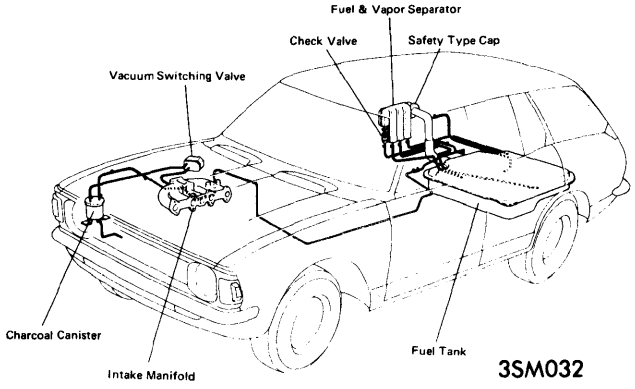
1973 TOYOTA (Cont.)



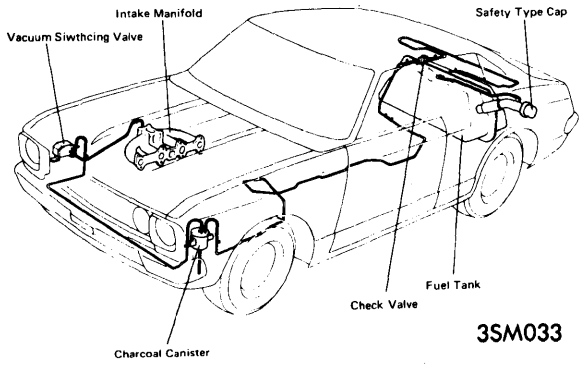
TOYOTA CORROLA SEDAN (3K-C ENGINE)



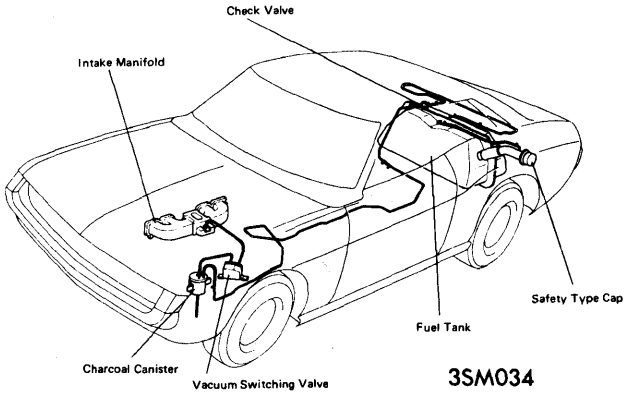
TOYOTA CORROLA SEDAN (2T-C ENGINE)



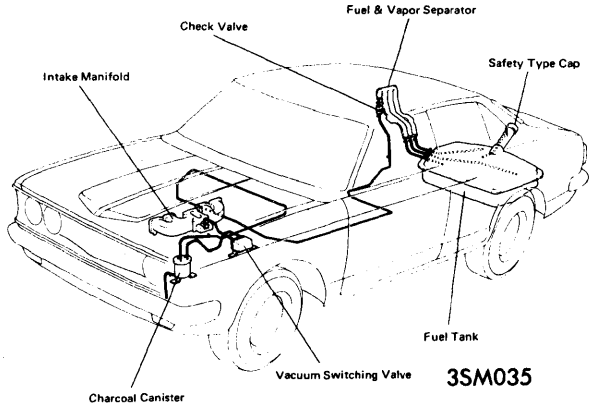
TOYOTA CORROLA STATION WAGON (2T-C ENGINE)



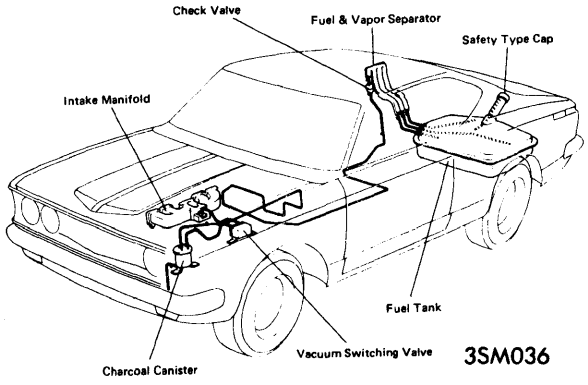
TOYOTA CARINA (2T-C ENGINE)



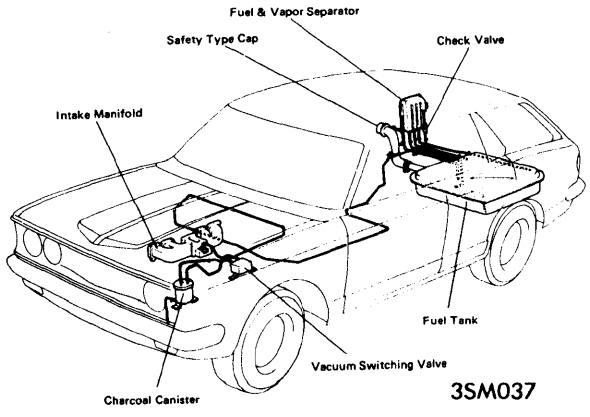
TOYOTA CELICA (18R-C ENGINE)



TOYOTA CORONA SEDAN (18R-C ENGINE)

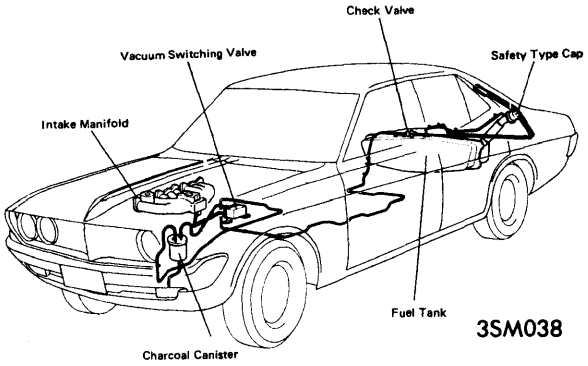


TOYOTA CORONA HARDTOP (18R-C ENGINE)

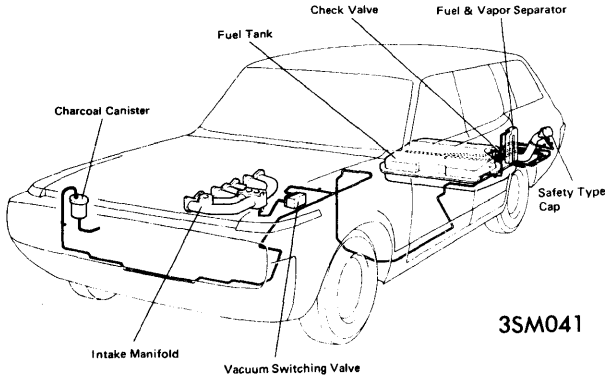


TOYOTA CORONA STATION WAGON (18R-C ENGINE)

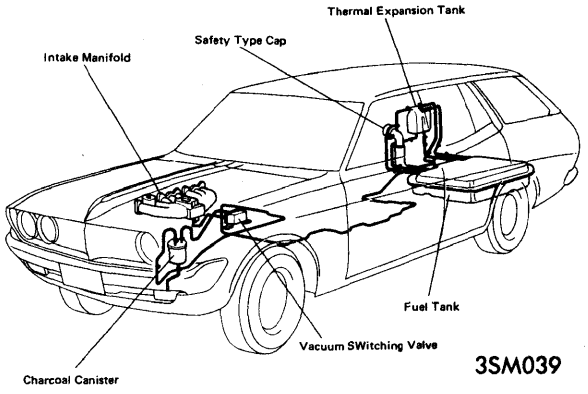
1973 TOYOTA (Cont.)



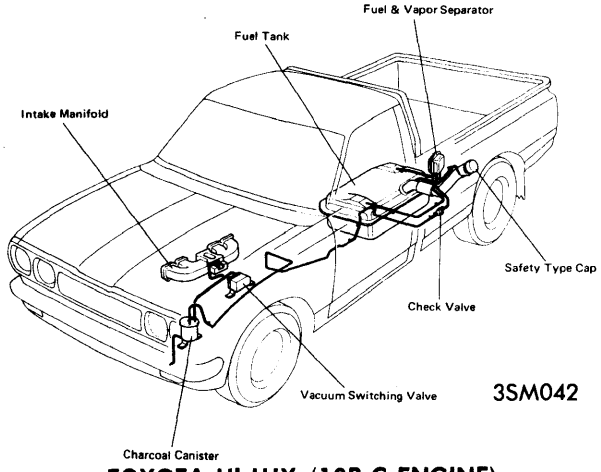
TOYOTA CORONA MK II SEDAN & HARDTOP (4M ENGINE)



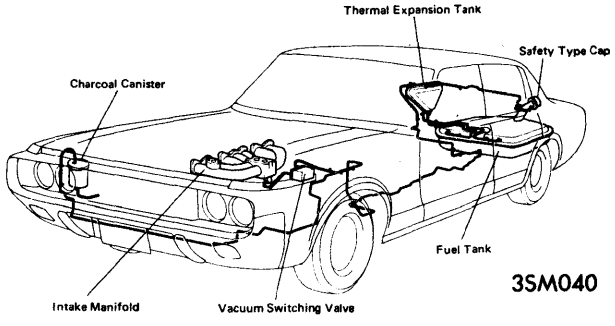
TOYOTA CROWN STATION WAGON (4M ENGINE)



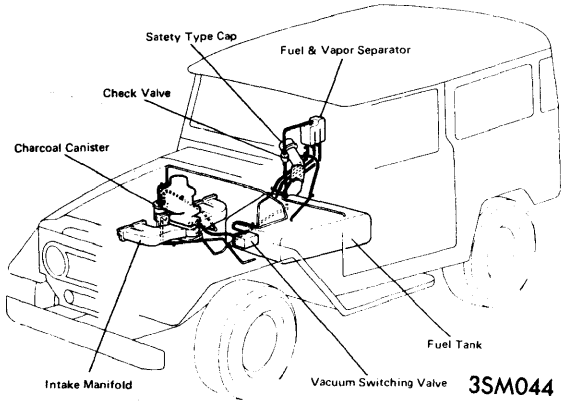
TOYOTA CORONA MK II STATION WAGON (4M ENGINE)



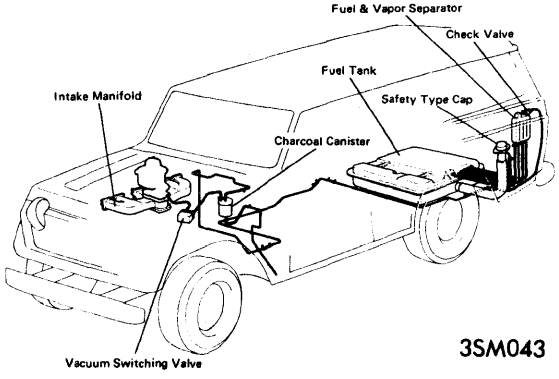
TOYOTA HI LUX (18R-C ENGINE)



TOYOTA CROWN SEDAN & HARDTOP (4M ENGINE)



TOYOTA LAND CRUISER STATION WAGON (F ENGINE)



TOYOTA LAND CRUISER HARDTOP & SOFT TOP (F ENGINE)