SECTION 03-13 Evaporative Emissions

VEHICLE APPLICATION

Taurus / Sable, Taurus SHO and Taurus Flexible Fuel.

DESCRIPTION AND OPERATION

Fuel Vapor Emission Control System

As a part of the fuel system, vehicles are equipped with a fuel evaporative emission control system designed to meet federal and state requirements in effect at the time of production.

Fuel Tank Evaporative Emission System

This system consists of:

- Sealed fuel tank and filler pipe
- Pressure / vacuum relief fuel filler cap
- Fuel tank vapor valve assembly with pressure relief and open flow to vacuum (Unleaded Gasoline Only)
- Vapor Control Valve (FF Only)
- Vapor tube, hoses and connectors
- Carbon canister (4 canisters for FF only)
- Purge solenoid (Vapor Management Valve (VMV) for FF only)

Not all of these components are used on any one system, since usage depends on the calibration of the complete vehicle.

System control and operation are accomplished through four separate basic functions in the system:

1. Fill control venting with filler cap off.
2. Tank vapor venting and storage with filler cap on.
3. Fuel vapor purge.
4. Pressure and vacuum relief (fuel cap and tank vent valve).