

SECTION 03-13 Evaporative Emissions

SUBJECT	PAGE	SUBJECT	PAGE
DESCRIPTION AND OPERATION		DESCRIPTION AND OPERATION (Cont'd.)	
Carbon Canister (Fuel Vapor Storage System).....	03-13-4	Purge Solenoid Valve	03-13-4
Fill Control/Vapor Vent System.....	03-13-2	Vapor Control Valve	03-13-3
Fuel Tank Evaporative Emission System	03-13-1	Vapor Management Valve.....	03-13-4
Fuel Tank Vapor Orifice, Pressure Relief and Rollover Valve Assembly.....	03-13-3	DIAGNOSIS AND TESTING	
Fuel Vapor Emission Control System.....	03-13-1	Fuel Tank Evaporative Emission System	03-13-5
Pressure and Vacuum Relief System	03-13-4	REMOVAL AND INSTALLATION	03-13-7
		SPECIAL SERVICE TOOLS	03-13-12
		VEHICLE APPLICATION	03-13-1

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).