

Evaporative Emission System Monitoring – 0.020" (0.5mm) Diameter								
Component/ System	Fault Codes	Monitoring Strategy Description	Malfunction Criteria	Threshold value	Secondary Parameter	Enable Conditions	Time Required	MIL Illumination
Evaporative	P0443	circuit continuity	voltage - drive on	voltage > 1/ 2 * Battery positive	engine speed	> 80 rpm	immediately/	two driving
Emission		- short to battery positive			battery voltage	7.5V < Battery positive < 17V	continuous	cycles
Canister	P0445	circuit continuity	voltage - drive off	voltage < 1/3 * Battery positive				
Purge Valve		- short to ground						
	P0444	circuit continuity	voltage - drive off	1/3 * Battery positive < voltage <				
		- open circuit		2/3 * Battery positive				
Evaporative Emission Canister Purge Valve	F0441	functional check	feedback correction factor OR AND idle air flow change	• •1.125 > 0.875 • 0.17 g/sec	engine state ECT at start altitude factor engine load engine air flow vehicle speed speed fluctuation (time after start) OR (time after start & mixture adapt. & purge factor & ISC diagnostic)	Idle • •12.0 °C • 0.7266 • 2.80 msec • 12.5 g/sec 0 mph • 80 rpm > 1000 sec > 590 sec complete • 3.0 complete	15 sec/ once per driving cycle	two driving cycles
Leak	P1451	circuit continuity	voltage - drive off	1/3 * Battery positive < voltage	engine speed	> 80 rpm	0.5 sec/	two driving
Detection		- open circuit		< 2/3 * Battery positive	battery voltage	7.5V < Battery	continuous	cycles