

1996 to 2002 MY EVAP Leak Monitor (P0440)

To return to monitor description, see page [Ev-7](#).

MONITOR STRATEGY

Required sensors/Components	Main	Vapor pressure sensor
	Sub	EVAP VSV, VSV for vapor pressure sensor, IAT sensor, ECT sensor
Frequency of operation	Once per driving cycle	
Duration	10 sec.	
MIL operation	2 driving cycles	
Sequence of operation	None	

TYPICAL ENABLING CONDITIONS

Item	Specification	
	Minimum	Maximum
The monitor will run whenever the following DTCs are not present	See page In-39	
Altitude	–	2,400 m (7,870 ft.)
Battery voltage	11 V	–
IAT	–10°C (14°F)	–
(a) ECT at engine start	10°C (50°F)	35°C (95°F)
(b) IAT at engine start	10°C (50°F)	35°C (95°F)
Difference between (a) and (b)	–	7°C (45°F)
Fuel tank level	–	90 %
Time that vehicle has run (both accelerated and decelerated)	20 min.	–
Both of the following conditions were met at the previous drive		
ECT	70°C (158°F)	–
Time that vehicle has run (both accelerated and decelerated)	20 min.	–

TYPICAL MALFUNCTION THRESHOLDS

Detection Criteria	Threshold
Fuel tank pressure at engine start	Between –1.8 mmHg (–0.24 kPa) and 1.8 mmHg (0.24 kPa)
Positive fuel tank pressure	1.8 mmHg (0.24 kPa) or less
Difference of maximum fuel tank pressure and minimum fuel tank pressure	2.6 mmHg (0.35 kPa) or less

OBD MONITOR DRIVE PATTERNS

See page [In-13](#)

MODE 06 DATA (MONITOR RESULT)

- (a) Checking monitor status (See page [In-43](#))
- (b) Detecting Mode 06 data (See page [In-44](#))