

1999 and 2003 MY EGR Flow Insufficient Monitor (P0401)

To return to monitor description, see page [Eg-8](#).

MONITOR STRATEGY

Required sensors/Components	Main	EGR gas temperature sensor
	Sub	Crankshaft position sensor, ECT sensor, EGR lift sensor, MAF sensor, IAT sensor and EGR valve
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)	–
EGR lift target	1 mm (0.04 in.)	–
Engine RPM	1,200 rpm	–
Intake air amount	–	1.08 g/rev.
Engine condition	Warmed up	

TYPICAL MALFUNCTION THRESHOLDS

Detection Criteria	Threshold
EGR gas temperature	Less than IAT+35°C (63°F)
Difference of EGR gas temperature between 2 conditions as follows: • Engine start (when ECT is less than 40°C/104°F) • After engine warm up	Less than 1.3°C (2.3°F)

OBD MONITOR DRIVE PATTERNS

See page [In-13](#)

MODE 06 DATA (MONITOR RESULT)

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