2001 to 2003 MY EGR Flow Insufficient Monitor (P0401)

To return to monitor description, see page Eg–15.

MONITOR STRATEGY

Required sensors/Components	Main	EGR gas temperature sensor
	Sub	EGR valve, ECT sensor IAT sensor, Crankshaft position sensor and Throttle position 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	–
ECT	Equal to engine–warmed–up temperature	–
IAT	–10˚C (14˚F)	–
Throttle angle	9˚	30˚
Intake air amount	0.3 g/rev.	1.0 g/rev.
Engine RPM	1,800 rpm	–
Engine condition	Warmed up	
EGR	Open	

TYPICAL MALFUNCTION THRESHOLDS

Engine Family	Detection Criteria	Threshold
3RZ–FE (M/T)	EGR gas temperature	Less than IAT + 35˚C (63˚F)
	Rise in EGR gas temperature	Less than 5˚C (9˚F)
3RZ–FE (A/T)	EGR gas temperature	Less than IAT + 38˚C (68˚F)
	Rise in EGR gas temperature	Less than 5˚C (9˚F)

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)