

## 1997 and 1998 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 <a href="#">In-39</a> |                     |
| 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             |
|-----------------------------------------------------------------------------------|-----------------------|
| Rise in EGR gas temperature when EGR gas temperature is less than IAT+35°C (63°F) | Less than 35°C (63°F) |
| EGR gas temperature when ECT is less than 45°C (113°F)                            | 159°C (318°F) or more |

### 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](#))