

1996 to 2004 MY MAF Sensor Monitor (P0100, P0102, P0103)

To return to monitor description, see page [Ce-4](#).

MONITOR STRATEGY

Required sensors/Components	Main	MAF sensor
	Sub	Crankshaft position sensor
Frequency of operation	Continuous	
Duration	Within 10 sec.	
MIL operation	Immediate	Engine RPM is less than 4,000 (3,000*) rpm
	2 driving cycles	Engine RPM is 4,000 (3,000*) rpm or more
Sequence of operation	None	

* 2001 and 2002 Corolla and 2001 – 2003 Prius

TYPICAL ENABLING CONDITIONS

The monitor will run whenever the following DTCs are not present	See page In-39
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TYPICAL MALFUNCTION THRESHOLDS

Detection Criteria	Threshold
MAF sensor circuit is open/shorted:	
MAF sensor voltage	Less than 0.2 V or More than 4.9 V
MAF sensor is low output:	
MAF sensor voltage	Less than 0.2 V
MAF sensor is high output:	
MAF sensor voltage	More than 4.9 V

COMPONENT OPERATING RANGE

Parameter	Standard Value
MAF sensor voltage	Between 0.5 V and 4.5 V