

1997 MY Throttle Position Sensor Monitor (P0120)

To return to monitor description, see page [Ce-23](#).

MONITOR STRATEGY

Required sensors/Components	Main	Throttle position sensor
	Sub	None
Frequency of operation	Continuous	
Duration	Within 10 sec.	
MIL operation	Immediate	
Sequence of operation	None	

TYPICAL ENABLING CONDITIONS

The monitor will run whenever the following DTCs are not present	See page In-39
Included in the Typical Malfunction Thresholds	–

TYPICAL MALFUNCTION THRESHOLDS

Engine Family	Detection Criteria	Threshold	Typical Enabling Condition
1UZ-FE SC400	Throttle position sensor voltage	More than 1.5 V	Throttle valve closed
		Less than 0.25 V	Throttle valve open
		More than 4.9 V	None
2JZ-GE GS300 and 2JZ-GTE	Throttle position sensor voltage	Less than 0.25 V	Throttle valve open
		More than 4.9 V	None
Others	Throttle position sensor voltage	Less than 0.1 V	Throttle valve open
		More than 4.9 V	None

COMPONENT OPERATING RANGE

Parameter	Standard Value
Throttle position sensor voltage	Between 0.5 V and 4.5 V