

1998 to 2004 MY Throttle Position Sensor Range/Performance Monitor (P0121, P2135)

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MONITOR STRATEGY

Required sensors/Components	Main	Throttle position sensor
	Sub	Vehicle speed sensor
Frequency of operation	Continuous	
Duration	Within 10 sec.	P0121
	0.5 sec.	P2135
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
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TYPICAL MALFUNCTION THRESHOLDS

Detection Criteria	Threshold
P0121:	
Difference between VTA and VTA2 (when VTA2 is less than 4.9 V)	More than 0.370 V (3UZ-FE)
	Less than 0.1 V or more than 0.4 V (Camry [Produced after Jan. 2003] and 3MZ-FE)
	More than 0.325 V (Others)
P2135:	
Difference between VTA and VTA2 (when VTA is 0.2 V or less and VTA2 is 0.5 V or less)	0.02 V or less