

Except Prius for Crankshaft Position Sensor Monitor (P0335, P0336, P0385)

To return to monitor description, see page [Ce-47](#).

MONITOR STRATEGY

Required sensors/Components	Main	Crankshaft position sensor (or crankshaft position sensor No. 2)
	Sub	Camshaft position sensor
Frequency of operation	Continuous	
Duration	4.7 sec.	
MIL operation	2 driving cycles	P0335 and P0385
	Immediate	P0336
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

Detection Criteria	Threshold	Typical Enabling Condition
Crankshaft position signal	No signal for 4.7 sec. or more	Starter operating
	No signal for 0.5 sec. or more	• Engine RPM is 600 rpm or more • 3 sec. or more after starter switched to OFF

COMPONENT OPERATING RANGE

Parameter	Standard Value
Crankshaft position signal	• Crankshaft position sensor voltage fluctuates when engine rotates • 34 signals per 1 revolution crankshaft