Camry CNG for Rear Heated Oxygen Sensor Monitor (P0136, P0156)

To return to monitor description, see page Ho–12.

MONITOR STRATEGY

Required sensors/Components	Main	Rear heated oxygen sensor
	Sub	Crankshaft position sensor, MAF sensor, Throttle position sensor and Vehicle speed sensor
Frequency of operation	Once per driving cycles	
Duration	Within 420 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 In–39	
Intake air amount	1 g/sec.	–
Cumulative time while rear oxygen sensor heater ON	22 sec.	–
Stop and Go*	10 times	–
Fuel status	Closed Loop	
Sub feedback status	Executing	
Throttle valve	Open	
Fuel cut	Not operating (for 5 sec. or more)	

* “Stop and Go” is defined as follows:
“Stop” indicates a vehicle speed of less than 3 km/h (2 mph). “Go” indicates a vehicle speed of 40 km/h (25 mph) or more

TYPICAL MALFUNCTION THRESHOLDS

Detection Criteria	Threshold
Rear oxygen sensor voltage	More than 1.0 V
	Less than 0.55 V

COMPONENT OPERATING RANGE

When normal, voltages output from the rear oxygen sensor produce a waveform alternating between 0 V and 1 V.

OBD MONITOR DRIVE PATTERNS

See page In–13