DEFINITION OF TERMS

Term	Definition	
Monitor description	Description of what the ECM monitors and how it detects malfunctions (monitoring purpose and its details).	
Related DTCs	Diagnostic code.	
Typical enabling condition	Preconditions that allow the ECM to detect malfunctions. With all preconditions satisfied, the ECM sets the DTC when the monitored value(s) exceeds the malfunction threshold(s).	
Sequence of operation	The priority order that is applied to monitoring if multiple sensors and components are used to detect the malfunction. While another sensor is being monitored, the next sensor or component will not be monitored.	
Required sensor/components	The sensors and components that are used by the ECM to detect malfunctions.	
Frequency of operation	The number of times that the ECM checks for malfunctions per driving cycle. "Once per driving cycle" means that the ECM detects malfunction only 1 time during a single driving cycle. "Continuous" means that the ECM detects a malfunction every time the enabling condition is met.	
Duration	The minimum time that the ECM must sense a continuous deviation in the monitored value(s) before setting a DTC. This timing begins after the "typical enabling conditions" are met.	
Malfunction thresholds	Beyond this value, the ECM will conclude that there is a malfunction and set a DTC.	
MIL operation	MIL illumination timing after a defect is detected. "Immediate" means that the ECM illuminates the MIL the instant the ECM determines that there is a malfunction. "2 driving cycle" means that the ECM illuminates the MIL if the same malfunction is detected again in the 2nd driving cycle.	
Component operating range	Normal operation range of sensors and solenoids under normal driving conditions. Use these ranges as a reference. They cannot be used to judge if a sensor or solenoid is defective or not.	

AX

PART AND SYSTEM NAME LIST

This reference list indicates the part and system names used in this manual along with their definitions.

Part and System Name	Definition
Accel position sensor	Accelerator pedal position sensor
AFS	Air fuel ratio sensor
ATF temperature sensor, Trans. fluid temp. sensor, ATF temperature sensor "A"	Transmission fluid temperature sensor
Camshaft timing oil control valve, Oil control valve OCV, VVT, VSV	Camshaft timing oil control valve
Charcoal canister	Evaporative emissions canister
Crankshaft position sensor "A"	Crankshaft position sensor
Electronic controlled automatic transmission, ECT	Electronically controlled automatic transmission
Electronic throttle control system, Throttle actuator control system	Electronic throttle control system
Engine immobiliser system, Immobiliser system	Vehicle anti-theft system
Engine speed sensor	Crankshaft position sensor
FC idle	Deceleration fuel cut
Idle air control valve	Idle speed control
Input speed sensor, Input turbine speed sensor "A", Speed sensor (NT), Turbine speed sensor	Input turbine speed sensor
Intake manifold runner control	Intake manifold tuning system
Intake manifold runner valve, IMRV, IACV (runner valve)	Intake manifold tuning valve
Intermediate shaft speed sensor "A"	Counter gear speed sensor
Internal control module, Control module, Engine control ECU, PCM	Power train control module
Knock control module	Engine knock control module
Knock sensor	Engine knock sensor
Mass or volume air flow circuit	Mass air flow sensor circuit
O2 sensor	Heater oxygen sensor
ORVR system	On-board refueling vapor recovery system
Output speed sensor	Output shaft speed sensor
Oxygen sensor pumping current circuit	Oxygen sensor output signal
Oxygen sensor reference ground circuit	Oxygen sensor signal ground
PNP switch, NSW	Park/Neutral position switch
Pressure control solenoid	Transmission pressure control solenoid
PS pressure switch	Power steering pressure switch
Shift solenoid	Transmission shift solenoid valve
Speed sensor, Vehicle speed sensor "A", Speed sensor for skid control ECU	Vehicle speed sensor
THA	Intake air temperature
Throttle actuator control motor, Actuator control motor, Electronic throttle motor, Throttle control motor	Electronic throttle actuator
Throttle/pedal position sensor, Throttle/pedal position switch, Throttle position sensor/switch	Throttle position sensor
Toyota HCAC system, Hydrocarbon adsorptive Catalyst (HCAC) system, HC adsorptive three-way catalyst	HC adsorptive three-way catalytic converter
Transmission control switch, Shift lock control unit	Shift lock control module
Turbo pressure sensor	Turbocharger pressure sensor
Vacuum sensor	Manifold air pressure sensor
Vapor pressure sensor, EVAP pressure sensor, Evaporative emission control system pressure sensor	Fuel tank pressure sensor
Variable timing and lift, VVTL	Camshaft timing and lift control
Variable valve timing sensor, VVT sensor	Camshaft position sensor
Variable valve timing system, VVT system	Camshaft timing control system

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Part and System Name	Definition
VSV for ACM	Active control engine mount
VSV for CCV, VSV for canister close valve	Evaporative emissions canister vent valve
VSV for EVAP, No. 1 vacuum switching valve assembly, EVAP VSV, Purge VSV	Evaporative emissions canister purge valve
VSV for intake control	Intake manifold tuning solenoid valve
VSV for pressure switching valve, By-pass VSV	Evaporative emission pressure switching valve
VSV for turbo	Turbocharger pressure control solenoid valve