DI0RM-13

DIAGNOSTIC TROUBLE CODE CHART

HINT:

Parameters listed in the chart may not be exactly the same as your readings due to the type of instrument or other factors.

If a malfunction code is displayed during the DTC check in the check mode, check the circuit for the codes listed in the table below. For details of each code, refer to the "See page" under the respective "DTC No." in the DTC chart. 🛭

SAE DEFINED

DTC No. (See page)	Detection Item	Trouble Area	MIL*1	Memory
P0100 (DI-164)	Mass Air Flow Circuit Malfunction	Open or short in mass air flow meter circuit Mass air flow meter ECM	0	0
P0101 (DI-168)	Mass Air Flow Circuit Range/ Performance Problem	Mass air flow meter	0	0
P0110 (DI-169)	Intake Air Temp. Circuit Malfunction	Open or short in intake air temp. sensor circuit Intake air temp. sensor (built into mass air flow meter) ECM	0	0
P0115 (DI-173)	Engine Coolant Temp. Circuit Malfunction	Open or short in engine coolant temp. sensor circuit Engine coolant temp. sensor ECM	0	0
P0116 (DI-177)	Engine Coolant Temp. Circuit Range/Performance Problem	Cooling system Engine coolant temp. sensor	0	0
P0120 (DI-179)	Throttle/Pedal Position Sensor/ Switch "A" Circuit Malfunction	Open or short in throttle position sensor circuit Throttle position sensor ECM	0	0
P0121 (DI-183)	Throttle/Pedal Position Sensor/ Switch "A" Circuit Range/Perfor- mance Problem	Throttle position sensor	0	0
P0125 (DI-184)	Insufficient Coolant Temp. for Closed Loop Fuel Control	Open or short in A/F sensor (bank 1 sensor 1) circuit A/F sensor (bank 1 sensor 1) Air induction system Fuel pressure Injector Gas leak of exhaust system ECM	0	0
P0136 (DI-189)	Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)	Open or short in heated oxygen sensor circuit Heated oxygen sensor	0	0
P0141 (DI-191)	Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)	Open or short in heater circuit of heated oxygen sensor Heated oxygen sensor ECM	0	0
P0171 (DI-193)	System too Lean (Fuel Trim)	 Air induction system Injector blockage Mass air flow meter Engine coolant temp. sensor Fuel pressure Gas leak on exhaust system Open or short in A/F sensor (Bank 1 sensor 1) circuit A/F sensor (bank 1 sensor 1) ECM 	0	0

2001 TOYOTA TACOMA (RM835U)

Author: Date: 416

P0172 (DI-193)	System too Rich (Fuel Trim)	Injector leak, blockage Mass air flow meter Engine coolant temp. sensor Ignition system Fuel pressure Gas leak on exhaust system Open or short in A/F sensor (bank 1 sensor 1) circuit A/F sensor (bank 1 sensor 1) ECM	0	0
P0300	Random/Multiple Cylinder Misfire			
(DI-198) P0301 (DI-198)	Detected Cylinder 1 Misfire Detected	Open or short engine wire Connector connection Vacuum hose connection		
P0302 (DI-198)	Cylinder 2 Misfire Detected	• Ignition system • Injector		
P0303 (DI-198)	Cylinder 3 Misfire Detected	Fuel pressure EGR system	○*2	0
P0304 (DI-198)	Cylinder 4 Misfire Detected	Manifold abosolute pressure sensor Engine coolant temp. sensor Compression pressure		
P0305 (DI-198)	Cylinder 5 Misfire Detected	Valve clearance Valve timing		
P0306 (DI-198)	Cylinder 6 Misfire Detected	• ECM		
P0325 (DI-204)	Knock Sensor 1 Circuit Malfunction (Bank 1)	Open or short in knock sensor 1 circuit Knock sensor 1 (looseness) ECM	0	0
P0330 (DI-204)	Knock Sensor 2 Circuit Malfunction (Bank 2)	Open or short in knock sensor 2 circuit Knock sensor 2 (looseness) ECM	0	0
P0335 (DI-207)	Crankshaft Position Sensor "A" Circuit Malfunction	Open or short in crankshaft position sensor circuit Crankshaft position sensor Crankshaft timing pulley ECM	0	0
P0340 (DI-209)	Camshaft Position Sensor Circuit Malfunction	Open or short in camshaft position sensor circuit Camshaft position sensor RH camshaft timing pulley ECM	0	0
P0420 (DI-211)	Catalyst System Efficiency Below Threshold (Bank 1)	Gas leakage on exhaust system A/F sensor (bank 1 sensor 1) Heated oxygen sensor (bank 1 sensor 2) Three-way catalytic converter	0	0
P0440 (DI-214)	Evaporative Emission Control System Malfunction	Hose or tube cracked, holed, damaged or loose seal Fuel tank cap incorrectly installed Fuel tank cap cracked or damaged Vacuum hose cracked, holed, blocked, damaged or disconnected Fuel tank cracked, holed or damaged Charcoal canister cracked, holed or damaged Open or short in vapor pressure sensor circuit Vapor pressure sensor ECM	0	0

2001 TOYOTA TACOMA (RM835U)

Author: Date: 417

P0441 (DI-220)	Evaporative Emission Control System Incorrect Purge Flow	Vacuum hose cracked, holed, blocked, damaged or disconnected Open or short in vapor pressure sensor circuit Vapor pressure sensor Open or short in VSV circuit for EVAP VSV for EVAP Open or short in VSV circuit for vapor pressure sensor VSV for vapor pressure sensor Charcoal canister cracked, holed or damaged ECM	0	0
P0446 (DI-220)	Evaporative Emission Control System Vent Control Malfunction		0	0
P0450 (DI-231)	Evaporative Emission Control System Pressure Sensor Mal- function	Open or short in vapor pressure sensor circuit		
P0451 (DI-231)	Evaporative Emission Control System Pressure Sensor Range/ Performance	Vapor pressure sensor ECM	0	0
P0500 (DI-233)	Vehicle Speed Sensor Malfunction	Open or short in speed signal circuit Combination meter ECM Open or short in speed sensor circuit for ABS ABS ECU	0	0
P0505 (DI-236)	Idle Control System Malfunction	Open or short in IAC valve circuit IAC valve is stuck or closed Open or short in A/C signal circuit Air induction system ECM	0	0

MANUFACTURER DEFINED

DTC No. (See page)	Detection Item	Trouble Area	MIL*	Memory
P1130 (DI-239)	A/F Sensor Circuit Range/Performance Malfunction (Bank 1 Sensor 1)	Open or short in A/F sensor circuit A/F sensor Air induction system Fuel pressure Injector ECM	0	0
P1133 (DI-244)	A/F Sensor Circuit Response Malfunction (Bank 1 Sensor 1)	Open or short in A/F sensor circuit A/F sensor Air induction system Fuel pressure Injector ECM	0	0
P1135 (DI-248)	A/F Sensor Heater Circuit Mal- function (Bank1 Sensor 1)	Open or short in heater circuit of A/F sensor A/F sensor heater ECM	0	0
P1300 (DI-250)	Igniter Circuit Malfunction	Ignition system Open or short in IGF or IGT circuit from igniter to ECM Igniter Ignition coil ECM	0	0
P1335 (DI-255)	Crankshaft Position Sensor Circuit Malfunction (During engine running)	Open or short in crankshaft position sensor circuit Crankshaft position sensor Crankshaft timing pulley ECM	-	0

2001 TOYOTA TACOMA (RM835U)

Author: Date: 418

^{*1:} MIL lights up.
*2: MIL lights up or blinking.

P1520 (DI-256)	Stop Light Switch Signal Mal- function (Only for A/T)	Short in stop light switch signal circuit Stop light switch ECM	0	0
P1600 (DI-259)	ECM BATT Malfunction	Open in back up power source circuit ECM	0	0
P1700 (DI-315)	Vehicle Speed Sensor No.2 Mal- function (No.2 Vehicle Speed Sensor)	Open or short in No.2 vehicle speed sensor circuit No.2 vehicle speed sensor ECM	0	0
P1780 (DI-261)	Park/Neutral Position Switch Malfunction (Only for A/T)	Short in park/neutral position switch circuit Park/neutral position switch ECM	0	0

^{*: - ...} MIL does not light up. O... MIL lights up.

2001 TOYOTA TACOMA (RM835U)

Author: Date: 419