057HE-03

DIAGNOSTIC TROUBLE CODE CHART

HINT:

Parameters listed in the chart may not be exactly the same as your reading 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, turn to the page referred to under the "See page" for the respective "DTC No." in the DTC chart.

DTC No. (See page)	Detection Item	Trouble Area	MIL *1	Memory
P0100 (05–177)	Mass Air Flow Circuit Malfunction	Open or short in air flow meter circuit Air flow meter ECM	0	0
P0101 (05–182)	Mass Air Flow Circuit Range/ Performance Problem	•ECM	0	0
P0110 (05–183)	Intake Air Temp. Circuit Malfunction	Open or short in intake air temp. sensor circuit Intake air temp. sensor (built into air flow meter) ECM	0	0
P0115 (05–186)	Engine Coolant Temp. Circuit Malfunction	Open or short in water temp. sensor circuit Water temp. sensor ECM	0	0
P0116 (05–189)	Engine Coolant Temp. Circuit Range/Performance Problem	Water temp. sensor Cooling system Thermostat	0	0
P0120 (05–190)	Throttle / Pedal Position Sensor / Switch "A" Circuit Malfunction	Open or short in throttle position sensor circuit Throttle position sensor ECM	0	0
P0121 (05–195)	Throttle / Pedal Position Sensor / Switch "A" Circuit Range / Per- formance Problem.	Throttle position sensor	0	0
P0125 (05–196)	Insufficient Coolant Temp. for Closed Loop Fuel Control	 PCV hose Open or short in oxygen sensor circuit Oxygen sensor Air induction system Fuel pressure Injector Gas leakage on exhaust system ECM 	0	0
P0128 (05–201)	Thermostat Malfunction	Thermostat Cooling system Engine coolant temperature sensor ECM	0	0
P0130 (05–203)	Heated Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 1)	Open or short in oxygen sensor circuit Oxygen sensor Air induction system Fuel pressure Injector ECM	0	0
P0133 (05–208)	Heated Oxygen Sensor Slow Response (Bank 1 Sensor 1)	Open or short in oxygen sensor circuit Oxygen sensor Air induction system Fuel pressure Injector ECM	0	0

2003 COROLLA MATRIX (RM940U)

Author: Date: 368

P0135 (05–212)	Heated Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 1)	Open or short in heater circuit of oxygen sensor Oxygen sensor heater ECM	0	0
P0136 (05–203)	Heated Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)	Open or short in oxygen sensor circuit Oxygen sensor	0	0
P0141 (05–212)	Heated Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)	Open or short in heater circuit of oxygen sensor Oxygen sensor heater ECM	0	0
P0171 (05–216)	System too Lean (Fuel Trim) (Bank 1)	Air induction system PCV hose Injector blockage Mass air flow meter Engine coolant temp. sensor Fuel pressure Gas leakage on exhaust system Open or short in oxygen sensor circuit Oxygen sensor ECM	0	0
P0172 (05–216)	System too Rich (Fuel Trim) (Bank 1)	Injector leak, blockage Mass air flow meter Engine coolant temp. sensor Ignition system Fuel pressure Gas leakage on exhaust system Open or short in oxygen sensor circuit Gas leakage on exhaust system Oxygen sensor ECM	0	0
P0300 (05–220) P0301 (05–220)	Random/Multiple Cylinder Misfire Detected Cylinder 1 Misfire Detected	Open or short in engine wire Connector connection Vacuum hose connection PCV hose Ignition system		
P0302 (05–220)	Cylinder 2 Misfire Detected	Injector Fuel pressure Mass air flow meter	0	0
P0303 (05–220)	Cylinder 3 Misfire Detected	Engine coolant temp. sensor Compression pressure Valve clearance		
P0304 (05–220)	Cylinder 4 Misfire Detected	Valve timing VVTL system ECM		
P0325 (05–225)	Knock Sensor 1 Circuit Malfunction (Bank 1)	Open or short in knock sensor circuit Knock sensor (looseness) ECM	0	0
P0335 (05–228)	Crankshaft Position Sensor "A" Circuit Malfunction	Open or short in crankshaft position sensor circuit Crankshaft position sensor Crank angle sensor plate ECM	0	0
P0340 (05–231)	Camshaft Position Sensor Circuit Malfunction	Open or short in camshaft position sensor circuit Camshaft position sensor Intake camshaft ECM	0	0
P0420 (05–233)	Catalyst System Efficiency Below Threshold (Bank 1)	Gas leakage on exhaust system Oxygen sensor Three–way catalytic converter	0	0

2003 COROLLA MATRIX (RM940U)

Author: Date: 369

P0440 (05–236)	Evaporative Emission Control System Malfunction	Hose or tube cracked, hole, damaged or loose seal Fuel tank cap incorrectly installed Fuel tank cap cracked or damaged Vacuum hose cracked, hole, clocked, damaged or disconnected Fuel tank cracked, hole or damaged Charcoal canister cracked, hole or damaged Open or short in vapor pressure sensor circuit Vapor pressure sensor Fuel tank over fill check valve cracked or damaged ECM	0	0
P0441 (05–245)	Evaporative Emission Control System Incorrect Purge Flow	Vacuum hose cracked, hole, blocked damaged or disconnected Fuel tank cap incorrectly installed Fuel tack cap cracked or damaged Open or short in vapor pressure sensor circuit Vapor pressure sensor Open or short in VSV circuit for EVAP VSV for CCV Open or short in VSV circuit for vapor pressure sensor VSV for vapor pressure sensor Charcoal canister cracked, hole or damaged Fuel tack over full check valve cracked or damaged ECM	0	0
P0442 (05–236)	Evaporative Emission Control System Malfunction	• Same as DTC No. P0440	0	0
P0446 (05–236)	Evaporative Emission Control System Malfunction	• Same as DTC No. P0441	0	0
P0450 (05–260)	Evaporative Emission Control System Pressure Sensor Mal- function	Open or short in vapor pressure sensor circuit Vapor pressure sensor ECM	0	0
P0451 (05–260)	Evaporative Emission Control System Pressure Sensor Range / Performance	Open or short in vapor pressure sensor circuit Vapor pressure sensor ECM	0	0
P0500 (05–262)	Vehicle Speed Sensor Malfunction	Combination meter Open or short in vehicle speed sensor circuit Vehicle speed sensor ECM	0	0
P0505 (05–264)	Idle Control System Malfunction	Open or short in ISC valve circuit PCV hose ISC valve is stick or closed*2 A/C switch circuit Air induction system*2 ECM	0	0
P1300 (05–267)	Igniter Circuit Malfunction (No. 1)	Ignition system Open or short in IGF or IGT1 circuit from No. 1 ignition coil with igniter to ECM No. 1 ignition coil with igniter ECM	0	0
P1305 (05–267)	Igniter Circuit Malfunction (No. 2)	Ignition system Open or short in IGF or IGT2 circuit from No. 2 ignition coil with igniter to ECM No. 2 ignition coil with igniter ECM	0	0

2003 COROLLA MATRIX (RM940U)

Author: Date: 370

P1310 (05–267)	Igniter Circuit Malfunction (No. 3)	Ignition system Open or short in IGF or IGT3 circuit from No. 3 ignition coil with igniter to ECM No. 3 ignition coil with igniter ECM	0	0
P1315 (05–267)	Igniter Circuit Malfunction (No. 4)	Ignition system Open or short in IGF or IGT4 circuit from No. 4 ignition coil with igniter to ECM No. 4 ignition coil with igniter ECM	0	0
P1335 (05–273)	Crankshaft Position Sensor Circuit Malfunction (During engine running)	Open or short in crankshaft position sensor circuit Crankshaft position sensor Crank angle sensor plate ECM	-	0
P1346 (05–274)	VVT Sensor/Camshaft Position Sensor Circuit Range/Perfor- mance Problem (Bank 1)	Mechanical system (Jumping teeth of timing chain, chain stretched) ECM	0	0
P1349 (05–275)	VVT System Malfunction (Bank 1)	Valve timing OCV VVT controller assembly ECM	*2	0
P1520* ² (05–280)	Stop Light Switch Circuit Mal- function	Open or short in stop light switch signal circuit Stop light switch ECM	0	0
P1600 (05–284)	Back-Up Power Source Circuit Malfunction	Open in back up power source circuit ECM	0	0
P1656 (05–287)	OCV Circuit Malfunction (Bank 1)	Open or short in OCV circuit OCV ECM	0	0
P1690 (05–290)	OCV for VVTL circuit Malfunction	Open or short in OCV circuit OCV for VVTL ECM	0	0
P1692 (05–294)	OCV for VVTL Open Malfunction (Bank 1)	Open or short in OCV circuit OCV for VVTL Oil pressure switch for VVTL ECM	0	0
P1693 (05–294)	OCV for VVTL Close Malfunction (Bank 1)	Same as DTC No. P1692	0	0
P1780* ² (05–298)	Park / Neutral Position Switch Malfunction	Short in neutral start switch circuit Neutral start switch ECM	0	0

2003 COROLLA MATRIX (RM940U)

371 Author: Date:

^{*1:} O ... MIL light up.
*2: Only for A/T models.