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 check mode, check the circuit for that code listed in the table below. For details of each code, turn to the page reffered to under the "See page" for the respective "DTC No." in the DTC chart.

DTC No. (See Page)	Detection Item	Trouble Area	MIL*	Memory
P0100 (DI–170)	Mass Air Flow Circuit Malfunction	Open or short in mass air flow meter circuit Mass air flow meter ECM	0	0
P0101 (DI–174)	Mass Air Flow Circuit Range / Performance Problem	Mass air flow meter	0	0
P0110 (DI–175)	Intake Air Temp. Circuit Malfunction	 Open or short in intake air temp. sensor circuit Intake air temp. sensor ECM 	0	0
P0115 (DI–179)	Engine Coolant Temp. Circuit Malfunction	 Open or short in engine coolant temp. sensor circuit Engine coolant temp. sensor ECM 	0	0
P0116 (DI–183)	Engine Coolant Temp. Circuit Range / Performance Problem	Engine coolant temp. sensor Cooling system	0	0
P0120 (DI–184)	Throttle / Pedal Position Sensor / Switch "A" Circuit Malfunction	 Open or short in throttle position sensor circuit Throttle position sensor ECM 	0	0
P0121 (DI–189)	Throttle /Pedal Position Sensor / Switch "A" Circuit Range / Peformance Problem	Throttle position sensor	0	0
P0125 (DI–190)	Insufficient Coolant Temp. for Closed Loop Fuel Control	Open or short in heated oxygen sensor circuitHeated oxygen sensor	0	0
P130 (DI–193)	Heated Oxygen Sendor Circuit Malfunction (Bank 1 Sensor 1)	Heated oxygen sensor Fuel trim malfunction	0	0
P0133 (DI–196)	Heated Oxygen Sensor Circuit Slow Response (Bank 1 Sensor 1)	Heated oxygen sensor	0	0

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DTC No. (See Page)	Detection Item	Trouble Area	MIL*	Memory
P0135 (DI–197)	Heated Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 1)	Open or short in heater circuit of heated oxygen sensor Heated oxygen sensor heater ECM	0	0
P0136 (DI–199)	Heated Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)	Heated oxygen sensor	0	0
P0141 (DI–197)	Heated Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)	• Same as DTC No. P0135	0	0
P0171 (DI–201)	System too Lean (Fuel Trim)	 Air Intake (hose loose) Fuel line pressure Injector blockage Heated oxygen sensor malfunction Mass air flow meter Engine coolant temp. sensor 	0	0
P0172 (DI–201)	System too Rich (Fuel Trim)	 Fuel line pressure Injector blockage, leak Heated oxygen sensor malfunction Mass air flow meter Engine coolant temp. sensor 	0	0
P0300 (DI-204) P0301 P0302 P0303 P0304 P0305 P0306 (DI-204)	Random / Multiple Cylinder Misfire Detected - Cylinder 1 - Cylinder 2 - Cylinder 3 - Cylinder 4 - Cylinder 5 - Cylinder 6	 Ignition system Injector Fuel line pressure EGR Compression pressure Valve clearance not to specification Valve timing Mass air flow meter Engine coolant temp. sensor 	0	0
P0325 (DI–209)	Knock Sensor 1 Circuit Malfunction	Open or short in knock sensor 1 circuit Knock sensor 1 (looseness) ECM	0	0
P0330 (DI–209)	Knock Sensor 2 Circuit Malfunction	Open or short in knock sensor 2 circuit Knock sensor 2 (looseness) ECM	0	0
P0335 (DI–212)	Crankshaft Position Sensor "A" Circuit Malfunction	 Open or short in crankshaft position sensor circuit for NE signal Crankshaft position sensor for NE signal Starter ECM 	0	0

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DIAGNOSTICS - ENGINE (2JZ-GTE)

DTC No. (See Page)	Detection Item	Trouble Area	MIL*	Memory
P0340 (DI–215)	Camshaft Position Sensor Circuit Malfunction	 Open or short in camshaft position sensor circuit Camshaft position sensor Open or short in crankshaft position sensor circuit for NE2 signal Crankshaft position sensor for NE2 signal Starter ECM 	0	0
P0401 (DI–217)	Exhaust Gas Recirculation Flow Insufficient Detected	 EGR valve stuck closed Short in VSV circuit for EGR Open in EGR gas temp. sensor circuit EGR hose disconnected ECM 	0	0
P0402 (DI–227)	Exhaust Gas Recirculation Flow Excessive Detected	 EGR valve stuck open EGR VSV open malfunction Open in VSV circuit for EGR Short in EGR gas temp. sensor circuit ECM 	0	0
P0420 (DI–231)	Catalyst System Efficiency Below Threshold	 Three–way catalytic converter Open or short in heated oxygen sensor circuit Heated oxygen sensor 	0	0
P0441 (DI–234)	Evaporative Emission Control System Incorrect Purge Flow	 Open or short in VSV circuit for EVAP VSV for EVAP ECM Vacuum hose blocked or disconnected Charcoal canister 	0	0
P0500 (DI–238)	Vehicle Speed Sensor Malfunction	 Open or short in vehicle speed sensor circuit Vehicle speed sensor Combination meter ECM 	0	0
P0505 (DI–240)	Idle Control System Malfunction	 IAC valve is stuck or closed Open or short in IAC valve circuit Open or short in A/C signal circuit Air intake (hose loose) 	0	0
P0510 (DI–243)	Closed Throttle Position Switch Malfunction	 Open in closed throttle position switch circuit Closed throttle position switch ECM 	0	0

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DTC CHART (Manufacture Controlled)

DTC No. (See Page)	Detection Item	Trouble Area	MIL*	Memory
P1100 (DI–247)	Barometric Pressure Sensor Cir- cuit MAlfunction	• ECM	0	0
P1200 (DI–248)	Fuel Pump Relay / ECU Circuit Malfunction	 Open or short in fuel pump ECU circuit Fuel pump ECU ECM power source circuit Fuel pump ECM 	_	0
P1300 (DI–252)	Igniter Circuit Malfunction	 Open or short in IGF or IGT circuit from igniter to ECM Igniter ECM 	0	0
P1335 (DI–257)	Crankshaft Position Sensor Circuit Malfunction (during engine running)	 Open or short in crankshaft position sensor circuit for NE signal Crankshaft position sensor for NE signal Starter ECM 	_	0
P1400 (DI–258)	Sub Throttle Position Sensor Malfunction	 Open or short in sub throttle position sensor circuit Sub throttle position sensor ECM 	0	0
P1401 (DI–261)	Sub Throttle Position Sensor Range / Performance Problem	Sub throttle position sensor	0	0
P1405 (DI–262)	Turbo Pressure Sensor Circuit Malfunction	 Open or short in turbo pressure sensor circuit Turbo pressure sensor ECM 	0	0
P1406 (DI–265)	Turbo Pressure Sensor Circuit Range / Performance Problem	Turbo pressure sensor	0	0
P1511 (DI–266)	Boost Pressure Low Malfunction	 Air intake (leakage or clogging) Actuator (for waste gate valve, IACV control valve, exhaust bypass valve and exhaust gas control valve) Short in VSV for waste gate valve, IACV control valve, exhaust bypass valve and exhaust gas control valve circuit ECM 	0	0
P1512 (DI–274)	Boost Pressure High Malfunction	 Actuator (for waste gate valve and exhaust bypass valve) Short in VSV for waste gate valve and exhaust bypass valve circuit ECM 	0	0
P1520 (DI–279)	Stop Light Switch Signal Malfunction	 Short in stop light switch signal circuit Stop light switch ECM 	0	0
P1600 (DI–282)	ECM BATT Malfunction	Open in back up power source circuit ECM	0	0

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DIAGNOSTICS - ENGINE (2JZ-GTE)

DTC No. (See Page)	Detection Item	Trouble Area	MIL*	Memory
P1605 (DI–284)	Knock Control CPU Malfunction	• ECM	0	0
P1630 (DI–285)	Traction Control System Malfunction	 Open or short in ETC+ or ETC- circuit Open or short in EFI+ or EFI- circuit Throttle control ECU ECM 	_	0
P1652 (DI–287)	IACV Control CIrcuit Malfunction	Open or short in VSV circuit for IACV VSV for IACV ECM	0	0
P1658 (DI–291)	Waste Gate Valve Control Clrcuit Malfunction	 Open or short in VSV circuit for waste gate valve VSV for waste gate valve ECM 	0	0
P1661 (DI–294)	Exhaust Gate Valve Control CIr- cuit Malfunction	 Open or short in VSV circuit for exhaust gate control valve VSV for exhaust gate control valve ECM 	0	0
P1662 (DI–297)	Exhaust Bypass Valve Control Clrcuit Malfunction	 Open or short in VSV circuit for exhaust bypass valve VSV for exhaust bypass valve ECM 	0	0
P1780 (DI–300)	Park / Neutral Position Switch Malfunction	 Short in park / neutral position switch circuit Park / neutral position switch ECM 	0	0

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