DI1L4-10

DIAGNOSTIC TROUBLE CODE CHART

HINT:

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If a malfunction code is displayed during the DTC check in the check i

ENGINE TROUBLE CODES

DTC[No. (See[þage)	Detection⊡tem	Trouble□Area	* CHKŒNG (MIL)	Memory
P0100 (DI-95)	Mass[Air[Flow[Circuit[Malfunction	Open@r[short[]n[air[]]low[]meter[&ircuit Air[]]low[]meter Engine[ECU	0	0
P0110 (DI-99)	Intake@ir[Temp.@ircuit[Malfunction	Open@r[short[]n[]ntake[air[]emp.[sensor@ircuit Intake[air[]emp.[sensor Engine[ECU	0	0
P0115 (DI-103)	Water[]emp.[Circuit[]Malfunction	Open@r[short[]n[]vater[]emp.[sensor@ircuit Water[]emp.[sensor Engine[ECU	0	0
P0116 (DI-107)	Engine@oolant@emp.@ircuit Range/Performance@robrem	Engine@oolant@emp.@ensor Cooling@system	0	0
P0120 (DI-108)	Throttle Position Sensor Circuit Malfunction	Open or short in throttle position sensor circuit Throttle position sensor Engine ECU	0	0
P0121 (DI-11 <u>2)</u>]	Throttle Position Sensor Circuit Range/Performance Problem	Throttle position sensor	0	0
P0125 (DI-11 <mark>3</mark>)]	Insufficient Coolant Temp. for Closed Loop Fuel Control	Open or short in oxygen sensor (bank 1, 2 sensor 1) circuit Oxygen Sensor (bank 1, 2 sensor 1) Air induction system Fuel pressure Injector Gas leakage on exhaust system Engine ECU	0	0
P0130 (DI-11 <mark>8</mark>)]	Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 1)	Open or short in oxygen sensor circuit Oxygen sensor Air induction system Fuel pressure Injector Engine ECU	0	0
P0133 (DI-122)	Oxygen Sensor Circuit Slow Response (Bank 1 Sensor 1)	Open or short in oxygen sensor circuit Oxygen sensor Air induction system Fuel pressure Injector Engine ECU	0	0
P0135 (DI-125)	Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 1)	Open or short in heater circuit of oxygen sensor Oxygen sensor heater Engine ECU	0	0
P0136 (DI-127)	Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)	Open or short in oxygen sensor circuit Oxygen sensor	0	0
P0141 (DI-125)	Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)	Same as DTC No. P0135	0	0

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P0150 (DI-11 <mark>8</mark>)]	Oxygen[\$ensor[Circuit[Malfunction[[Bank[2][\$ensor[]])	Same@as[DTC[No.[P0130]] •Same@as[DTC]No.[P0130]	0	0
P0153 (DI-122)	Oxygen[\$ensor[Circuit[\$low[Response[Bank[2][\$ensor[]])	●Same[aDTC[No.[P0130	0	0
P0155 (DI-125)	Oxygen[\$ensor[]Heater[Circuit Malfunction[]Bank[2[\$ensor[]])	Same@s[DTC[No.[P0135]	0	0
P0156 (DI-127)	Oxygen[\$ensor[Circuit[Malfunction[]Bank[2]\$ensor[2)	Same@s:DTC[No.[P0136	0	0
P0161 (DI-125)	Oxygen[\$ensor[Heater[Circuit Malfunction[[Bank[2]\$ensor[2])	Same[as[DTC[No.[P0135]]]	0	0
P0171 (DI-130)	System[]oo[]_ean[]A/F[]_ean[]Malfunction,[]Bank[])	Air induction system Injector blockage Vacuum sensor Water emp. sensor Fuel pressure Gas eakage pn exhaust system Open fshort no bygen sensor bank 1, 2 sensor 1) circuit Oxygen sensor bank 1, 2 sensor 1) Engine ECU	0	0
P172 (DI-130)	System@oo@Rich@A/F@Rich@Mal-function,@Bank@)	Injector[leak,[blockage Vacuum[sensor Water[Jemp.[sensor Ignition[system Fuel[pressure Gas[leakage[pn]exhaust[system Open[pr]short[in]exygen[sensor[[bank1,[2]sensor1)]eircuit Oxygen[sensor[[bank1,[2]sensor1) Engine[ECU	0	0
P0174 (DI-130)	System[]oo[]_ean[]A/F[]_ean[]Malfunction,[Bank[]2)	Same@s[DTC[No.[P0171]	0	0
P0175 (DI-130)	System[]oo[Rich[]A/F[Rich[]Mal-function,[Bank[]2)	Same@as[DTC[No.[P0172]	0	0
P0300 (DI-134)	Random/Multiple@ylinderMisfire Detected			
P0301 (DI-134)	Cylinder [] [Misfire [Detected			
P0302 (DI-134)	Cylinder[2[Misfire[Detected	Open[or[short[engine]vire Connector[onnection		
P0303 (DI-134)	Cylinder[3[Misfire[Detected	Vacuum[hōse[connection Ignition[system Income		
P0304 (DI-134)	Cylinder[4[Misfire[Detected	•finjector •Fuel[pressure •Vacuum[şensor	0	0
P0305 (DI-134)	Cylinder[5[Misfire[Detected	Water temp. sensor Compression pressure		
P0306 (DI-134)	Cylinder 6 Misfire Detected	Valve clearance Valve timing Engine ECU		
P0307 (DI-134)	Cylinder 7 Misfire Detected	Linguio Loo		
P0308 (DI-134)	Cylinder 8 Misfire Detected			
P0325/52 (DI-140)	Knock Sensor 1 Circuit Malfunction (Bank 1)	Open or short in knock sensor 1 circuit Knock sensor 1 (looseness) Engine ECU	0	0

P0330/55 (DI-140)	Knock[\$ensor[2[Circuit[Malfunction[[Bank[2])	• Open[or[short[in[knock[sensor[2][circuit] • Knock[sensor[2][looseness) • Engine[ECU	0	0
P0335 (DI-144)	Crankshaft[Position[Sensor[Circuit[Malfunction[(NE[Signal)	Open@r[short[]n@rankshaft[position[sensor@ircuit Crankshaft[position[sensor Crankshaft[]iming[pulley Engine[ECU	0	0
P0340 (DI-146)	Camshaft@osition\\$ensor\pircuit Malfunction[[G[\$ignal)	Open@r[short]n@amshaft[position[sensor@ircuit Camshaft[position[sensor intake@amshaft Engine[ECU	0	0
P0420 (DI-148)	Catalyst[\$ystem[Efficiency[Below[Threshold[Bank[]])	Gas[]eakage[ֆn[@xhaust[\$ystem Oxygen[§ensor Ihree–way[₫atalytic[₫onverter	0	0
P0430 (DI-148)	Catalyst[\$ystem[Efficiency[Below[Threshold[Bank[2])	Same[as[DTC[No.[P0420]]]	0	0
P0443 (DI-151)	Evaporative[Emission[Control System[Purge[Control[Vent[Control[Malfunction	• Open@r[short[]n[VSV@ircuit[]or[EVAP • IVSV[]or[EVAP • Engine[ECU	0	0
P0500 (DI-154)	Vehicle[\$peed[\$ensor[]Malfunction	Open@r[short]n[yehicle[speed[sensor@ircuit Iransmission[output[speed[sensor Engine[ECU	0	0
P0505 (DI-157)	Idle[Control[System[Malfunction	Air[nduction[system Electric[hrottlecontrol[system	0	0
P1120 (DI-108)	Accelerator[Pedal[Position[Sensor[Circuit[Malfunction	Open@r\\$hort]n\accelerator\pedal\position\\$ensor\cap\ircuit Accelerator\pedal\position\\$ensor Engine\text{ECU}	0	0
P1121 (DI-1120)	Accelerator[Pedal[Position[Sensor[Range/Performance[Problem]]]	Accelerator pedal position sensor	0	0
P1125 (DI-164)	Throttle[Control[Motor[Circuit Malfunction	Open@r\hort[]n[]hrottle@ontrol[]notor@ircuit Inrottle@ontrol[]notor Engine[ECU	0	0
P1127 (DI-166)	ETCS[Actuator[Power[Source Circuit[Malfunction	Open[]n[ETCS[]power[]source[]circuit Engine[ECU	0	0
P1128 (DI-168)	Throttle[Control[Motor]Lock[Malfunction	■Ihrottlecontrol@notor ■Ihrottlecody	0	0
P1129 (DI-170)	Electric[Throttle[Control[System Malfunction	Electric[hrottle@ontrol[system Engine[ECU	0	0
P1300 (DI-171)	Igniter[Circuit[Malfunction[[No.1)	Ignition System Open Gr	0	0
P1305 (DI-171)	Igniter[Circuit[Malfunction[[No.2)	• Ignition[system • Open or short in IGF or IGT2 circuit from igniter to engine ECU • Igniter • Engine ECU	0	0
P1310 (DI-171)	Igniter Circuit Malfunction (No.3)	Ignition system Open or short in IGF or IGT3 circuit from igniter to engine ECU Igniter Engine ECU	0	0

P1315 (DI–171)	Igniter[Circuit[Malfunction[[No.4)	Ignition[system Open[or[short[in]]GF[ort]GT4[circuit[from[igniter[to@ngine[ECU Igniter Engine[ECU	0	0
P1320 (DI-171)	Igniter[Circuit[Malfunction[]No.5)	Ignition System Open Grighort GrigGT5 Gircuit From Grigniter Grigniter Igniter Engine ECU	0	0
P1325 (DI-171)	Igniter[Circuit[Malfunction[[No.6)	Ignition[system Open[or[short[in]]GF[or[]GT6[circuit[from[]gniter[to[engine[ECU]] Igniter Engine[ECU]	0	0
P1330 (DI-171)	Igniter[Circuit[Malfunction[[No.7)	Ignition[system Open[or[short[in]]GF1[shot][GT7[chircuit][from[No.7]]gnition[coil] with[igniter[lo[Engine]ECU No.7[]gnition[coil][with[igniter Engine]ECU	0	0
P1340 (DI–171)	lgniter[ℂircuit[Malfunction[[No.8)	Ignition[system Open[or[short[]n[]GF2[and[]GT8[circuit[]rom[]No.8[]gnition[coil] with[]gniter[]o[Engine[ECU No.8[]gnition[coil[]with[]gniter Engine[ECU	0	0
P1335 (DI-178)	Crankshaft[Position[Sensor[Circuit[Malfunction[[During[engine running]	Open@r[short]n@rankshaft[position[sensor@ircuit Crankshaft[position[sensor Crankshaft[timing[pulley Engine]ECU	-	0
P1345 (DI-179)	VVT[Sensor[Circuit[Malfunction (Bank[])	Open@r[short[]n[VVT[sensor@ircuit VVT[sensor Engine]ECU	0	0
P1346 (DI–181)	VVT[Sensor/Camshaft[Position Sensor[Circuit[Range/Perfor- mance[Problem[Bank[])	Mechanical[system[Jumping[leeth[]]filming[]]belt,[]]belt stretched) Engine[ECU	0	0
P1349 (DI-182)	VVT[\$ystem[Malfunction[]Bank 1)	\sqrt{alve[iming} \tilde{OCV} \sqrt{VT[controller[assembly]} \tilde{Engine[ECU]}	0	0
P1350 (DI-179)	VVT[Sensor/Camshaft[Position Sensor@ircuit[Malfunction[Bank 2)	•Same[as[DTC[No.[P1345	0	0
P1351 (DI–181)	VVT[Sensor/Camshaft[Position Sensor[Circuit[Range/Perfor- mance[Problem[Bank[2])	•Same[as[DTC[No.[P1346	0	0
P1354 (DI-182)	VVT[\$ystem[Malfunction[Bank 2)	Same[as[DTC[No.[P1349]]]	0	0
P1520 (DI-189)	Stop[Light[Switch[Signal[Mal-function]	Short in stop light switch signal circuit Stop light switch Engine ECU	0	0
P1600 (DI-192)	Engine ECU BATT Malfunction	Open in back up power source circuit Engine ECU	0	0
P1633 (DI-194)	Engine ECU Malfunction (ETCS Circuit)	• Engine ECU	0	0
P1645 (DI-195)	Body ECU Malfunction	Body ECU A/C ECU Communication bus	-	-

P1651 (DI-196)	VSV for ACIS Circuit Malfunction	Open or short in VSV circuit for ACIS VSV for ACIS Engine ECU	0	0
P1656 (DI-199)	OCV Circuit Malfunction (Bank 1)	Open or short in OCV circuit OCV Engine ECU	0	0
P1663 (DI-194)	OCV Circuit Malfunction (Bank 2)	Open or short in OCV circuit (bank 2) OCV (bank 2) Engine ECU	0	0
P1780 (DI-333)	Park/Neutral Position Switch Malfunction	Short in neutral start switch circuit Neutral start switch Engine ECU	0	0
B2795/99	Unmatch Key Code	Key Unregistered key inserted before?	-	0
B2796/99	No Communication in Immobilizer System	Key Transponder key coil Amplifier Wireharness Engine ECU	-	0
B2797/99	Communication Malfunction No.1	Communication contests Unregistered key inserted before?	-	0
B2798/99	Communication Malfunction No.2	Key Transponder key coil Amplifier Wireharness Engine ECU	-	0

^{*:} O ... CHK ENG is indicated. - ... CHK ENG is not indicated.

ETCS TROUBLE CODES (When not use hand-held tester)

DTC No. (See page)	Detection Item	Trouble Area	* CHK ENG (MIL)	Memory
21 (DI-164)	Throttle Control Motor Circuit Malfunction	Same as DTC No. P1125	0	0
23 (DI-166)	ETCS Actuator Power Source Circuit Malfunction	• Same as DTC No. P1127	0	0
31 (DI-168)	Throttle Control Motor Lock Mal- function	Same as DTC No. P1128	0	0
32 (DI-170)	Electric Throttle Control System Malfunction	• Same as DTC No. P1129	0	0
33 (DI-194)	ECU Malfunction (ETCS)	• Same as DTC No. P1633	0	0

<sup>*:

...</sup> CHK ENG is indicated.