DI2T0-01

DIAGNOSTIC TROUBLE CODE CHART

1. Engine Trouble Codes

HINT:

Parameters[listed[]n[]he[chart[]may[]hot[]be[exactly[]]he[same[]as[]your[]eading[]due[]o[]he[]ype[]of[]nstrument or[]other[]actors.

Ifamalfunction@ode[isdisplayedduringfthe[DTC@heck[in@heck[inode,@heck[the@ircuitffor[that@ode[isted in[the[fable[below.[For@details@f@ach@ode,[turn[to[the[page[ferred[to[under[the]]See[Page"[for[the[espective]]DTC[No."[in[the[DTC@hart.

DTC[No. (See[Page)	Detection⊡tem	Trouble[]Area	CHECK ENG*1	Memory
P0100/31 (DI-26)	Air[Flow[Circuit Malfunction	Open@r[short[]n[air[]low[]neter[circuit Air[]low[]neter Engine[ECU	0	0
P0110/24 (DI-32)	Intake[Air[Jemp.[Circuit Malfunction	Open@r[short[]n[]ntake[air[]emp.[sensor@ircuit Intake[air[]emp.[sensor[[inside[air[]]ow[]neter) Engine[ECU	ı	0
P011 <u>5</u> /22 (DI-38)	Water[Temp.[Circuit Malfunction	Open@r[short[]n[water[]emp.[sensor@ircuit Water[]emp.[sensor Engine[ECU	0	0
P0120/41 (DI-44)	Throttle[Position Sensor[Circuit Malfunction	Open@r[short[]n[shrottle[]position[sensor@ircuit Introttle[]position[sensor Engine[ECU	0	0
P0121/41 (DI-50)	Throttle Position Sensor Circuit Range/Performance Problem	•	0	0
P0130/21*2 (DI-51)	Oxygen[Sensor[Circuit Malfunction[Bank 1[Sensor 1)	Oxygen[sensor Fuel[trim[malfunction]	-	0
P0135/21*2 (DI-56)	Oxygen[\$ensor[Heater Circuit[]Malfunction (Bank 1[\$ensor 1)	Open@r[short[]n[heater@ircuit[off@xygen[sensor Oxygen[sensor[heater Engine[ECU	-	0
P0136/27*2 (DI-56)	Oxygen[\$ensor[Circuit Malfunction (Bank 1[\$ensor[2])	• Oxygen[şensor	ı	0
P0141/21*2 (DI-58)	Oxygen[\$ensor[Heater Circuit[Malfunction (Bank 1[\$ensor[2)	•Same@as@TC[No.[P0135/21	-	0
P0150/28*2 (DI-58)	Oxygen Sensor Circuit Malfunction (Bank 2 Sensor 1)	• Same as DTC No. P0130/21	-	0

^{*1:} O • • • CHECK ENG is indicated

2: Except GCC countries

^{- • • •} CHECK ENG is not indicated

DTC[No. (See[Page)	Detection[ltem	Trouble⊡Area	CHECK ENG*1	Memory
P0155/28*2 (DI-56)	Oxygen Sensor Heater Circuit Malfunction (Bank 2 Sensor 1)	• Same as DTC No. P0135/21	-	0
P0156/29*2 (DI-56)	Oxygen Sensor Circuit Malfunction (Bank 2 Sensor 2)	• Same as DTC No. P0136/27	-	0
P0161/28*2 (DI-56)	Oxygen Sensor Heater Circuit Malfunction (Bank 2 Sensor 2)	• Same as DTC No. P0135/21	-	0
P0171/25*2 (DI-60)	Fuel Trim System too Lean (Air-Fuel Ratio Lean Malfunction, Bank 1)	Air intake (hose loose) Fuel line pressure Injector blockage	-	0
P0174/25*2 (DI-60)	Fuel Trim System too Rich (Air-Fuel Ratio Lean Malfunction, Bank 2)	Oxygen sensor (bank1,2sensor1) malfunction Air flow meter Water temp. sensor		
P0325/52 (DI-65)	Knock Sensor 1 Circuit Malfunction	Open or short in knock sensor 1 circuit Knock sensor 1 (looseness) Engine ECU	0	0
P0330/55 (DI-65)	Knock Sensor 2 Circuit Malfunction	Open or short in knock sensor 2 circuit Knock sensor 2 (looseness) Engine ECU	0	0
P0335/12, 13 (DI-68)	Crankshaft Position Sensor Circuit Malfunction	Open or short in crankshaft position sensor circuit Crankshaft position sensor Starter Engine ECU	0	0
P0340/12 (DI-70)	Camshaft Position Sensor Circuit Malfunction	Open or short in camshaft position sensor circuit Camshaft position sensor Starter Engine ECU	0	0

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^{- • • •} CHECK ENG is not indicated

^{2:} Except GCC countries

DTC[No. (See[Page)	Detection[ltem	Trouble⊡Area	CHECK ENG*1	Memory
P0500/42 (DI-72)	Vehicle[\$peed[\$ensor Malfunction	Open@r[short[]n[yehicle[speed[sensor@ircuit Uehicle[speed[sensor Engine[ECU	ı	0
P11 <u>2</u> 0/19 (DI-78)	Accelerator[Pedal[Position Sensor[Circuit[Malfunction	Openor[short[naccelerator[pedal[position[sensor[circuit] Accelerator[pedal[position[sensor] Engine[ECU]	0	0
P1121/19 (DI-84)	Accelerator[Pedal[Position Sensor[Range/Performance Problem	Accelerator pedal position sensor Engine ECU	0	0
P11월5/89[]2 (DI-85)	Throttle[Control[Motor[Circuit Malfunction	Open@r[short[]n]shrottle@ontrol[motor@ircuit Introttle@ontrol[motor Engine[ECU	0	0
P11 <u>2</u> 6/89*2 (DI-88)	Magnetic[Clutch[Circuit Malfunction	• Open@r[short[]n[]nagnetic@lutch@ircuit • Magnetic@lutch • Engine[⊑CU	0	0
P11[27/89*2 (DI-91)	ETCS[Actuator[Power[Source Circuit[Malfunction	Open[in]ETCS[ipower]source@ircuit Engine]ECU	0	0
P1128/89*2 (DI-93)	Throttle[Control]Motor[Lock Malfunction	Ihrottle ody Engine ECU	0	0
P11 <u>2</u> 9/89*2 (DI-95)	Electric Throttle Control System Malfunction	Electric[hrottle[control[system Engine[ECU	0	0
P1200/78 (DI-96)	Fuel[Pump[Relay/Engine[ECU Circuit[Malfunction	Open or short in fuel pump relay circuit. Fuel pump relay Engine ECU	ı	0
P1300/14 (DI-100)	Igniter Circuit Malfunction	Open or short in IGF or IGT circuit from igniter to Engine ECUIgniterEngine ECU	0	0
P1335/13 (DI-1 <u>0</u> 5)	Crankshaft Position Sensor Circuit Malfunction (during engine running)	Open or short in crankshaft position sensor circuit Crankshaft position sensor Starter Engine ECU	-	0

^{*:} O • • • CHECK ENG is indicated.

^{- • • •} CHECK ENG is not indicated.

^{*2:} If the DTC No.89 is indicated on the check engine warning light,read the DTC for ETCS, from ECT SNOW indicator (Except G.C.C.)/ ETCS indicator (only for G.C.C.) to get detail of the DTC No.89. If use the hand-held tester, the detail DTC for ETCS are displayed by the hand-held tester

DTC[No. (See[Page)	Detection[]tem	Trouble⊡Area	CHECK ENG*1	Memory
P1349/59 (DI-106)	VVT System Malfunction	Valve timing Oil control valve VVT controller assembly Engine ECU	ı	0
P1565 (DI-546)	Cruise Control Main Switch Circuit Malfunction	Open or short in cruise control switch circuit Cruise control switch ECU	O *2	0
P1633/89*2 (DI-113)	Engine ECU Malfunction (ETCS Circuit)	• Engine ECU	0	0
P1645/82 (DI-114)	Body ECU Malfunction	Body ECU A/C ECU Communication bus	ı	0
P1656/39 (DI-114)	OCV Circuit Malfunction (Bank1)	Open or short in oil control valve circuit (bank 1) Oil control valve (bank 1) Engine ECU	0	0

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2. ETCS Trouble Codes (When not use hand-held tester)

DTC No. (See Page)	Detection Item	Trouble Area	*1 *2	Memory
21 (DI-85)	Throttle Control Motor Circuit Malfunction	• Some as DTC No. P1125/89	0	0
22 (DI-88)	Magnetic Clutch Circuit Malfunction	• Some as DTC No. P1126/89	0	0
23 (DI-91)	ETCS Actuator Power Source Circuit Malfunction	• Some as DTC No. P1127/89	0	0
31 (DI-93)	Throttle Control Motor Lock Malfunction	• Some as DTC No. P1128/89	0	0
32 (DI-95)	Electric Throttle Control System Malfunction	• Some as DTC No. P1129/89	0	0
33 (DI−11 <u>B</u>)	Engine ECU Malfunction (ETCS)	• Some as DTC No. P1633/89	0	0

^{*1:} ECTS SNOW indicater(Except G.C.C)

^{*2:}ECTS indicater(Only for G.C.C)