DI63K-05

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 page)	Detection Item	Trouble Area	*1 CHK ENG (MIL)	Memory
P0100/31 (DI-27)	Air Flow Circuit Malfunction	Open or short in air flow meter circuit Air flow meter Engine ECU	0	0
P0110/24 (DI-33)	Intake Air Temp. Circuit Malfunction	Open or short in intake air temp. sensor circuit Intake air temp. sensor Engine ECU	○*3	0
P0115/22 (DI-38)	Water Temp. Circuit Malfunction	Open or short in water temp. sensor circuit Water temp. sensor Engine ECU	0	0
P0116/22*3 (DI-43)	Engine Coolant Temp. Circuit Range/Performance Problem	Cooling system Engine coolant temp. sensor	0	0
P0120/41 (DI-44)	Throttle Position Sensor Circuit Malfunction	Open or short in throttle position sensor circuit Throttle position sensor Engine ECU	0	0
P0121/41 (DI-49)	Throttle Position Sensor Circuit Range/Performance Problem	Throttle position sensor	0	0
P0125/91* ³ (DI-50)	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
P0130/21* ⁹ (DI-55)	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	O*4	0
P0133/21* ⁴ (DI-59)	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
P0135/21* ⁶ (DI-63)	Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 1)	Open or short in heater circuit of oxygen sensor Oxygen sensor heater Engine ECU	○*8	0
P0136/27* ¹⁰ (DI-65)	Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)	Open or short in oxygen sensor circuit Oxygen sensor	○*8	0
P0141/21* ⁶ (DI-63)	Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)	• Same as DTC No. P0135/21	○*8	0

P0150/28* ⁹ (DI-55)	Oxygen Sensor Circuit Malfunction (Bank 2 Sensor 1)	• Same as DTC No. P0130/21	○*4	0
P0153/28* ⁴ (DI-59)	Oxygen Sensor Circuit Slow Response (Bank 2 Sensor 1)	• Same a DTC No. P0130/21	0	0
P0155/28* ⁶ (DI-63)	Oxygen Sensor Heater Circuit Malfunction (Bank 2 Sensor 1)	• Same as DTC No. P0135/21	○*8	0
P0156/29* ¹⁰ (DI-65)	Oxygen Sensor Circuit Malfunction (Bank 2 Sensor 2)	• Same as DTC No. P0136	○*8	0
P0161/27* ⁶ (DI-65)	Oxygen Sensor Heater Circuit Malfunction (Bank 2 Sensor 2)	• Same as DTC No. P0135	○*8	0
P0171/25* ¹⁰ (DI-67)	System too Lean (A/F Lean Mal- function, Bank 1)	Air induction system Injector blockage Vacuum Sensor Water temp. sensor Fuel pressure Gas leakage on exhaust system Open or short in oxygen sensor (bank1, 2 sensor1) circuit Oxygen sensor (bank1, 2 sensor1) Engine ECU	○*8	0
P172/26* ¹¹ (DI-67)	System too Rich (A/F Rich Malfunction, Bank 1)	 Injector leak, blockage Vacuum sensor Water temp. sensor Ignition system Fuel pressure Gas leakage on exhaust system Open or short in oxygen sensor (bank1, 2 sensor1) circuit Oxygen sensor (bank1, 2 sensor1) Engine ECU 	0	0
P0174/25* ¹⁰ (DI-67)	System too Lean (A/F Lean Malfunction, Bank 2)	• Same as DTC No. P0171/25	○*8	0
P0175/26* ¹¹ (DI-67)	System too Rich (A/F Rich Malfunction, Bank 2)	• Same as DTC No. P0172/26	0	0
P0300/93* ⁴ (DI-73)	Random/Multiple Cylinder Misfire Detected			
P0301/93* ⁴ (DI-73)	Cylinder 1 Misfire Detected			
P0302/93* ⁴ (DI-73)	Cylinder 2 Misfire Detected	Open or short engine wire Connector connection		
P0303/93*4 (DI-73)	Cylinder 3 Misfire Detected	Vacuum hose connection Ignition system Injector		
P0304/93* ⁴ (DI-73)	Cylinder 4 Misfire Detected	Fuel pressure Vacuum sensor	0	0
P0305/93* ⁴ (DI-73)	Cylinder 5 Misfire Detected	Water temp. sensor Compression pressure		
P0306/93*4 (DI-73)	Cylinder 6 Misfire Detected	Valve clearance Valve timing Engine ECU		
P0307/93*4 (DI-73)	Cylinder 7 Misfire Detected			
P0308/93* ⁴ (DI-73)	Cylinder 8 Misfire Detected			
P0325/52 (DI-79)	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-79)	Knock Sensor 2 Circuit Malfunction (Bank 2)	Open or short in knock sensor 2 circuit Knock sensor 2 (looseness) Engine ECU	0	0
P0335/12, 13 (DI-84)	Crankshaft Position Sensor Circuit Malfunction (NE Signal)	Open or short in crankshaft position sensor circuit Crankshaft position sensor Crankshaft timing pulley Engine ECU	0	0
P0340/12 (DI-87)	Camshaft Position Sensor Circuit Malfunction (G Signal)	Open or short in camshaft position sensor circuit Camshaft position sensor Intake camshaft Engine ECU	0	0
P0420/94* ⁴ (DI-89)	Catalyst System Efficiency Below Threshold (Bank 1)	Gas leakage on exhaust system Oxygen sensor Three-way catalytic converter	0	0
P0430/94* ⁴ (DI-89)	Catalyst System Efficiency Below Threshold (Bank 2)	• Same as DTC No. P0420/94	○*3	0
P0443/94* ³ (DI-92)	Evaporative Emission Control System Purge Control Vent Con- trol Malfunction	Open or short in VSV circuit for EVAP VSV for EVAP Engine ECU	0	0
P0500/42 (DI-95)	Vehicle Speed Sensor Malfunction	Open or short in vehicle speed sensor circuit Transmission output speed sensor Engine ECU	0	0
P0505/33* ¹¹ (DI-100)	Idle Control System Malfunction	Air induction system Electric throttle control system	0	0
P1120/19 (DI-1 <u>0</u> 1)	Accelerator Pedal Position Sensor Circuit Malfunction	Open or short in accelerator pedal position sensor circuit Accelerator pedal position sensor Engine ECU	0	0
P1121/19 (DI-106)	Accelerator Pedal Position Sensor Range/Performance Problem	Accelerator pedal position sensor	0	0
P1125/89* ² (DI-1 <u>0</u> 7)	Throttle Control Motor Circuit Malfunction	Open or short in throttle control motor circuit Throttle control motor Engine ECU	0	0
P1127/89* ² (DI-110)	ETCS Actuator Power Source Circuit Malfunction	Open in ETCS power source circuit Engine ECU	0	0
P1128/89* ² (DI-11 <u>2</u>)	Throttle Control Motor Lock Mal- function	Throttle control motor Throttle body	0	0
P1129/89* ² (DI-114)	Electric Throttle Control System Malfunction	Electric throttle control system Engine ECU	0	0
P1200/78 (DI-11 <u>5</u>)	Fuel Pump Relay/Engine ECU Circuit Malfunction	Open or short in fuel pump relay Fuel pump relay Engine ECU	ı	0
P1300/14 (DI-11 <u>B</u>)	Igniter Circuit Malfunction (No.1)	Ignition system Open or short in IGF or IGT1 circuit from igniter to engine ECU Igniter Engine ECU	0	0
P1305/15 (DI-11 <u>B</u>)	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
P1310/14 (DI-11 <u>B</u>)	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

P1315/14 (DI-118)	Igniter Circuit Malfunction (No.4)	Ignition system Open or short in IGF or IGT4 circuit from igniter to engine ECU Igniter Engine ECU	0	0
P1320/14 (DI−11 <u>B</u>)	Igniter Circuit Malfunction (No.5)	 Ignition system Open or short in IGF or IGT5 circuit from igniter to engine ECU Igniter Engine ECU 	0	0
P1325/14 (DI−11 <u>B</u>)	Igniter Circuit Malfunction (No.6)	Ignition system Open or short in IGF or IGT6 circuit from igniter to engine ECU Igniter Engine ECU	0	0
P1330/14 (DI-11 <u>B</u>)	Igniter Circuit Malfunction (No.7)	Open or short in IGF1 or IGT7 circuit from No.7 ignition coil with igniter to engine ECU No.7 Ignition coil with igniter Engine ECU	0	0
P1335/13 (DI-1 2 5)	Crankshaft Position Sensor Circuit Malfunction (During engine running)	Open or short in crankshaft position sensor circuit Crankshaft position sensor Crankshaft timing pulley Engine ECU	I	0
P1340/14 (DI-11 <u>B</u>)	Igniter Circuit Malfunction (No.8)	Open or short in IGF2 or IGT8 circuit from No.8 ignition coil with igniter to engine ECU No.8 Ignition coil with igniter Engine ECU	0	0
P1345/18 (DI-1 2 6)	VVT Sensor Circuit Malfunction (Bank 1)	Open or short in VVT sensor circuit VVT sensor Engine ECU	0	0
P1346/18 (DI-1 <u>2</u> 8)	VVT Sensor/Camshaft Position Sensor Circuit Range/Perfor- mance Problem (Bank 1)	Mechanical system (Jumping teeth of timing belt, belt stretched) ECM	0	0
P1349/59 (DI-1 2 9)	VVT System Malfunction (Bank 1)	Valve timing OCV VVT controller assembly Engine ECU	○*3	0
P1350/18 (DI-1 2 6)	VVT Sensor/Camshaft Position Sensor Circuit Malfunction (Bank 2)	• Same as DTC No. P1345/18	0	0
P1351/18 (DI-128)	VVT Sensor/Camshaft Position Sensor Circuit Range/perfor- mance Problem (Bank 2)	• Same as DTC No. P1346/18	0	0
P1354/59 (DI-1 <mark>2</mark> 9)	VVT System Malfunction (Bank 2)	• Same as DTC No. P1349/59	0	0
P1520/95 (DI-136)	Stop Light Switch Signal Mal- function	Short in stop light switch signal circuit Stop light switch Engine ECU	0	0
P1600/96* ³ (DI-1 <mark>3</mark> 9)	Engine ECU BATT Malfunction	Open in back up power source circuit Engine ECU	0	0
P1633/89* ² (DI-141)	Engine ECU Malfunction (ETCS Circuit)	• Engine ECU	0	0
P1645/82 (DI-142)	Body ECU Malfunction	Body ECU A/C ECU Communication bus	-	-

P1651/96*3 (DI-143)	VSV[for]ACIS[©ircuit[Malfunction	Open@r[short[]n[VSV@ircuit[]or[ACIS VSV[]or[ACIS Engine[ECU	0	0
P1656/39 (DI-147)	OCV[Circuit[Malfunction[Bank 1)	Open@r\hort@n\DCV\&ircuit OCV Engine\ECU	0	0
P1663/39 (DI-147)	OCV[Circuit[Malfunction[Bank 2)	Open@r\hort[]n@il@ontrol@alve@ircuit[bank[2) Oil@ontrol@alve[bank[2) Engine[ECU	0	0
P1780/97*3 (DI-1 <u>5</u> 0)	Park/Neutral[Position[\$witch Malfunction	Short[in[heutral[start[switch]circuit] Neutral[start[switch] Engine[ECU]	0	0
B2799/99	Immobiliser[\$ystem[Malfunction	Immobiliser[§ystem	-	0

^{*1} DI. CHKENG Is Indicated. - I. CHKENG Is Indicated.

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

DTC No. (See page)	Detection Item	Trouble Area	* CHK ENG (MIL)	Memory
21 (DI-1 <u>0</u> 7)	Throttle Control Motor Circuit Malfunction	• Same as DTC No. P1125/89	0	0
23 (DI-11 <u>0</u>)	ETCS Actuator Power Source Circuit Malfunction	• Same as DTC No. P1127/89	0	0
31 (DI-11 2)	Throttle Control Motor Lock Mal- function	• Same as DTC No. P1128/89	0	0
32 (DI-11 4)	Electric Throttle Control System Malfunction	• Same as DTC No. P1129/89	0	0
33 (DI-1 <u>4</u> 1)	ECU Malfunction (ETCS)	Same as DTC No. P1633/89	0	0

^{*:}O ... CHK ENG is indicated.

^{*}Piffther TCN0.89 is indicated on the checkengine warning light, read the TC for ETCS from ECTS NOW indicator of the detail of the DTC No.89. If using the hand-held tester, the detail DTC for ETCS is displayed on the hand-held tester.

^{*} Except Australia, New Zealand, G.C.C. Countries

^{*∰}Europe

^{*}Daustralia, New Zealand

^{*}filexcept@.C.C.@ountries

^{*}**∏**aiwan

^{*}BExcept[Australia,[New[Zealand

^{*}PEurope, Australia, New Zealand

^{*10:} Europe, Taiwan, Australia, New Zealand

^{*11:} Europe, Taiwan