DIDY5-01

DIAGNOSTIC TROUBLE CODE CHART

HINT:

Parameters listed in the chart may not be exactly the same as your instrument 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, refer to the "See Page" for the respective "DTC No." in the DTC chart.

DTC No. (See Page)	Detection Item	Trouble Area	* ¹ CHK ENG	* ² Memory
P0100/31* ³ (DI-25)	Air Flow Meter Circuit	Open or short in air flow meter circuit Air flow meter Engine ECU		
P0105/35 (DI-32)	Manifold Absolute Pressure/ Barometric Pressure Circuit	Open or short in turbo pressure sensor circuit Turbo pressure sensor Open or short in VSV for turbo pressure sensor circuit VSV for turbo pressure sensor Vacuum hose disconnected or blocked Engine ECU		
P0110/24* ³ (DI-40)	Intake Air Temperature Circuit	Open or short in intake air temp. sensor circuit Intake air temp. sensor (built into air flow meter) Engine ECU	-	
P0115/22 (DI-46)	WaterTemperatureSensorCircuit	Open or short in water temp. sensor circuit Water temp. sensor Engine ECU		
P0180/39 (DI-51)	Fuel Temperature Sensor Circuit	Open or short in fuel temp. sensor circuit Fuel temp. sensor Engine ECU		
P0335/13 (DI-56)	Engine Speed Sensor Circuit 2 (NE Circuit)	Open or short in engine speed sensor circuit Engine speed sensor Engine ECU		
P0340/12 (DI-59)	Engine Speed Sensor Circuit 1 (TDC or G 1 Circuit)	Open or short in crankshaft position sensor circuit Crankshaft position sensor Engine ECU		
P0500/42 (DI-61)	Vehicle Speed Sensor Signal Circuit	Open or short in vehicle speed sensor circuit Vehicle speed sensor Combination meter Engine ECU		
P0605/17 (DI-63)	Interior IC Malfunction	• Engine ECU		
P1115/23 (DI-64)	AtmosphericTemperatureCircuit	Open or short in atmospheric temp. sensor circuit Atmospheric temp. sensor Engine ECU	-	
P1120/19 (DI-67)	Accel. Position Sensor Circuit (Open/Short)	Open or short in accelerator pedal position sensor circuit Accelerator pedal position sensor Engine ECU		
P1121/19 (DI-74)	Accel. Position Sensor Circuit (IDL SW/Range)	Accelerator pedal position sensor Engine ECU		
P1122/19 (DI-80)	Accel. Closed Position SW Circuit (Short)	Short in accelerator pedal closed position switch circuit Accelerator pedal closed position switch Engine ECU		

P1123/19 (DI-80)	Accel. Closed Position SW Circuit (Open)	Open in accelerator pedal closed position switch circuit Accelerator pedal closed position switch Engine ECU		
P1215/97 (DI-82)	EDU Circuit	Open or short in EDU circuit EDU Spill control valve		
P1220/14 (DI-87)	Timing Control System Malfunction	Open or short in timing control valve circuit Timing control valve Fuel filter (Clogging) Fuel (Freezing, air in) Injection pump (Internal pressure and timing control valve) Engine ECU		
P1222/15 (DI-91)	Throttle Motor Circuit	Open or short in throttle control motor circuit Open or short in diesel throttle position switch circuit Throttle control motor Throttle valve Throttle drive gear Diesel throttle body Diesel throttle position Engine ECU		
P1250/34* ³ (DI-96)	Turbocharger System Malfunction	VNT valve Turbocharger EGR valve Vacuum hose E-VRV for intake pressure charge VSV for turbo pressure sensor Air flow meter Engine ECU		
P1255/34* ³ (DI-96)	Turbocharger Stick Detected (Close)	VNT valve Turbocharger EGR valve Vacuum hose E-VRV for intake pressure charge VSV for turbo pressure sensor Air flow meter Engine ECU	-	
P1256/34* ³ (DI-96)	Turbocharger Stick Detected (Open)	VNT valve Turbocharger EGR valve Vacuum hose E-VRV for intake pressure charge VSV for turbo pressure sensor Air flow meter Engine ECU	-	
P1416/58* ³ (DI-105)	SCV Control Circuit	SCV valve VSV for SCV Air flow meter Vacuum hose Engine ECU		
P1520/52 (DI-113)	Stop Light Switch Circuit	Short in stop light switch signal circuit Stop light switch Engine ECU	-	
P1633/89 (DI-63)	Interior IC Malfunction	• Engine ECU		

P1670/32 (DI-117)	Injection Pump System Malfunction	Injection pump correction unit circuit Injection pump correction unit Engine ECU	-	
B2799/99 (□)	Engine Immobiliser System Mal- function	Open or short in engine immobilizer system circuit Transponder key amplifier Transponder key computer Transponder key coil Engine ECU	I	

HINT:

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"displayed in the diagnosis mode column indicates that the check engine warning light (CHKENG) lights up when a malfunction is detected.

[&]quot;-" indicates that the CHK ENG does not light up during malfunction diagnosis, even if a malfunction is detected.

^{*&}lt;sup>2</sup>: " \(\text{" in the memory column indicates that a diagnostic trouble code is recorded in the engine ECU memory when a malfunction occurs. Accordingly, output of diagnostic results in normal or test mode is done with the ignition switch ON.

^{*3:} Only for Europe

[:] See Pub. No. RM 970E