DI31K–14

DIAGNOSTIC TROUBLE CODE CHART

HINT:

Parameters listed in the chart may not be exactly the same as you reading due to the type of instrument or other factors.

If a malfunction code is displayed during the DTC check in check (test) mode, check the circuit for the codes listed in the table below. For details of each code, turn to the page referred to under the "See page" for the respective "DTC No." in the DTC chart.

DTC No. (See page)	Detection Item	Trouble Area	*1 Check Engine Warning Light (Normal Mode/ Test Mode)	*2 Memory
12 (DI–20)	Engine speed Sensor Circuit Malfunction (TDC or G1 Circuit)	• Open or short in crankshaft position sensor circuit • Crankshaft position sensor • Engine ECU	ON/ON	○
13 (DI–22)	Engine speed Sensor Circuit Malfunction (NE Circuit)	• Open or short in engine speed sensor circuit • Engine speed sensor • Engine ECU	ON/ON	○
14 (DI–24)	Timing Control System Malfunction	• Open or short in timing control valve circuit • Fuel filter (Clogging) • Fuel (Freezing, Air in) • Injection pump (Internal pressure and timing control valve) • Engine ECU	ON/ON	X
15 (DI–27)	Throttle Control Motor Circuit Malfunction	• Open or short in throttle control motor circuit • Throttle control motor • Throttle valve • Engine ECU	ON/ON	X
17	IC Circuit Malfunction	• Engine ECU	ON/ON	X
19 (1) (DI–29)	Accelerator Pedal Position Sensor Circuit Malfunction (Open/ Short)	• Open or short in accelerator pedal position sensor circuit • Accelerator pedal position sensor • Engine ECU	ON/ON	○
19 (2) (DI–34)	Accelerator Pedal Position Sensor Circuit Malfunction (IDL Switch/Range)	• Open or short in accelerator pedal position sensor circuit • Accelerator pedal position sensor • Engine ECU	ON/ON	○
19 (3) (DI–39)	Accelerator Pedal Closed Position Switch Circuit Malfunction (Open)	• Open in accelerator pedal closed position switch circuit • Accelerator pedal closed position switch • Engine ECU	ON/ON	○
19 (4) (DI–39)	Accelerator Pedal Closed Position Switch Circuit Malfunction (Short)			
22 (DI–41)	Water Temp. Sensor Circuit Malfunction	• Open or short in water temp. sensor circuit • Water temp. sensor • Engine ECU	ON/ON	○
24 (DI–46)	Intake Air Temp. Sensor Circuit Malfunction	• Open or short in intake air temp. sensor circuit • Intake air temp. sensor • Engine ECU	OFF/ON	○
32 (DI–51)	Infection Pump Correction System Malfunction	• Open or short in injection pump correction resistance cuicuit • Injection pump correction resistance • Engine ECU	OFF/ON	X

35 (DI–53)	Turbo Pressure Sensor Circuit Malfunction	• Open or short in turbo pressure sensor circuit • Turbo pressure sensor • Open or short in VSV circuit for turbo pressure sensor • VSV for turbo pressure sensor • Vacuum hose disconnected or blocked • Engine ECU	ON/ON	○
39 (DI–60)	Fuel Temp. Sensor Circuit Malfunction	• Open or short in fuel temp. sensor circuit • Fuel Temp. sensor • Engine ECU	ON/ON	○
42 (DI–65)	Vehicle Speed Sensor Signal Circuit Malfunction	• Combination meter • Open or short in vehicle speed sensor circuit • Vehicle speed sensor • Engine ECU	ON/ON	○
97 (DI–67)	EDU Circuit Malfunction	• Open or short in EDU circuit • EDU • Spill control valve	ON/ON	X

*1: ”ON” displayed in the diagnosis mode column indicates that the check engine warning light is lighted up when a malfunction is detected.
*2: ”○” in the memory column indicates that a DTC code is recorded in the engine ECU memory when a malfunction occurs. Accordingly, output of diagnostic results in the normal or test mode is done with the ignition switch ON.