DI31K–05

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–19)	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–21)	Engine Speed Sensor Circuit Malfunction (NE Circuit)	• Open or short in engine speed sensor circuit • Engine speed sensor • Engine ECU	ON/ON	○
14 (DI–22)	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/N.A.	○
22 (DI–25)	Water Temp. Sensor Circuit Malfunction	• Open or short in water temp. sensor circuit • Water temp. sensor • Engine ECU	ON/ON	○
24 (DI–28)	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–31)	Injection Pump Correction System Malfunction	• Open or short in injection pump correction resistor cuicuit • Injection pump correction resistor • Engine ECU	OFF/ON	○
35 (DI–33)	Turbo Pressure Sensor Circuit Malfunction	• Open or short in turbo pressure sensor circuit • Turbo pressure sensor • Vacuum hose disconnected or blocked • Engine ECU	ON/ON	○
39 (DI–36)	Fuel Temp. Sensor Circuit Malfunction	• Open or short in fuel temp. sensor circuit • Fuel pressure sensor • Engine ECU	ON/ON	○
41 (DI–39)	Throttle Position Sensor Circuit Malfunction	• Open or short in throttle position sensor circuit • Throttle position sensor • Engine ECU	ON/ON	○
42 (DI–41)	Vehicle Speed Sensor Signal Circuit Malfunction	• Open or short in vehicle speed sensor circuit • Vehicle speed sensor • Combination meter • Engine ECU	OFF/OFF	○
43 (DI–43)	Starter Signal Circuit Malfunction	• Open or short in starter circuit • Open or short in ignition switch or starter relay circuit • Engine ECU	OFF/OFF	○
49 (DI–45)	First Gear Position Circuit Malfunction	• Open or short in 1st gear poosition switch circuit • 1st gear poosition switch • Engine ECU	OFF/OFF	×

*1: ”ON” displayed in the diagnosis mode column indicates that the check engine warning light is lighted up when a malfunction is detected. ”OFF” indicates that the check engine warning light does not light up during malfunction diagnosis, even if a malfunction is detected. ”N.A.” indicates that the item is not included in malfunction diagnosis.
*2: ”○” in the memory column indicates that a DTC 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 turned ON. ”X” indicates that a DTC is not recorded in the ECU memory even if a malfunction occurs.