05BAK–01

DIAGNOSTIC TROUBLE CODE CHART

HINT:

Parameters listed in the chart may not be exactly the same as you readings 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, refer to the ”See page” under 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 (05–24)	Engine Speed Sensor Circuit Malfunction1 (TDC or G1 Circuit)	• Open or short in crankshaft position sensor circuit • Engine speed sensor • ECM	ON/ON	○
13 (05–26)	Engine Speed Sensor Circuit Malfunction2 (NE Circuit)	• Open or short in engine speed sensor circuit • Crankshaft position sensor • ECM	ON/ON	○
14 (05–27)	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) • ECM	ON/ON	○
15 (05–30)	Throttle Motor Circuit Malfunction	• Open or short in throttle control motor circuit • Throttle control motor • Throttle valve • ECM	ON/ON	○
19 (1) (05–32)	Accel. Position Sensor Circuit (Open/Short)	• Open or short in accelerator pedal position sensor circuit • Accelerator pedal position sensor • ECM	ON/ON	○
19 (2) (05–37)	Accel. Position Sensor Circuit (IDL SW/Range)			
19 (3) (05–43)	Accel. Closed Position SW Circuit (Short)	• Open in accelerator pedal closed position switch circuit • Accelerator pedal closed position switch • ECM	ON/ON	○
19 (4) (05–43)	Accel. Closed Position SW Circuit (Open)			
22 (05–45)	Water Temperature Sensor Circuit Malfunction	• Open or short in water temp. sensor circuit • Water temp. sensor • ECM	ON/ON	○
24 (1) (05–50)	Intake Air Temperature Circuit Malfunction	• Open or short in intake air temp. sensor circuit • Intake air temp. sensor • ECM	OFF/ON	○
32 (05–55)	Injection Pump System Malfunction	• Open or short in injection pump correction resistance cuicuit • Injection pump correction resistance • ECM	OFF/ON	○
35 (05–57)	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 • ECM	ON/ON	○
39 (05–63)	Fuel Temperature Too High	• Open or short in fuel temp. sensor circuit • Fuel Temp. sensor • ECM	ON/ON	○

42 (05–68)	Vehicle Speed Sensor Signal Circuit Malfunction	• Combination meter • Open or short in vehicle speed sensor circuit • Vehicle speed sensor • ECM	ON/ON	○
97 (05–70)	EDU Circuit Malfunction	• Open or short in EDU circuit • EDU • Spill control valve	ON/ON	○

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