DI9SV–01

DIAGNOSTIC TROUBLE CODE CHART

HINT:

Parameters listed in the chart may not be exactly the same as your reading due to the type of instrument or other factors. If a malfunction code is displayed during the DTC check in test mode, check the circuit for that code 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 Node	Memory
12 (DI–180)	Crankshaft Position Sensor Circuit	• Open or short in crankshaft position sensor circuit • Crankshaft position sensor • Signal plate • Engine ECU	ON/ON	○
13 (DI–182)	Crankshaft Position Sensor Circuit (During engine running)	• Open or short in crankshaft position sensor circuit • Crankshaft position sensor • Signal plate • Engine ECU	ON/N.A.	○
22 (DI–183)	Water Temperature Sensor Circuit	• Open or short in water temp. sensor circuit • Water temp. sensor • Engine ECU	ON/ON	○
24 (DI–186)	Intake Air Temperature Sensor Circuit	• Open or short intake air temp. sensor circuit • Intake air temp. sensor • Engine ECU	ON/N.A.	○
31 (DI–188)	Vacuum Sensor Circuit	• Open or short in vacuum sensor circuit • Vacuum sensor • Engine ECU	ON/ON	○
33 (DI–191)	Idle Control System Circuit	• Open or short in ISC valve circuit • ISC valve • Engine ECU	ON/N.A.	○
41 (DI–193)	Throttle Position Sensor Circuit	• Open or short in throttle position sensor circuit • Throttle position sensor • Engine ECU	ON/N.A.	○
42 (DI–196)	Vehicle Speed Sensor Signal Circuit	• Combination meter • Speedometer cable • Open or short in vehicle speed sensor circuit • Vehicle speed sensor • Engine ECU	ON/ON	○
52 (DI–199)	Knock Sensor Circuit	• Open or short in knock sensor circuit • Knock sensor (looseness) • Engine ECU	ON/ON	○
99	Engine Immobiliser System Circuit	• Engine immobiliser system • Open or short in input circuit of engine ECU for engine immobiliser system (IMI) • Open or short in output circuit of engine ECU for engine immobiliser system (IMO) • Engine ECU	ON/N.A.	○

*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 code is recorded in the ECU memory when a malfunction occurs. "X" indicates that a DTC is not recorded in the ECU memory even if a malfunction occurs. Accordingly, output of diagnostic results in normal or test mode is done with the ignition switch ON.