DIAGNOSTIC TROUBLE CODE CHART

054JD–21

HINT:

Parameters listed in the chart may be different from your readings depending on the type of instrument used and other factors.

During the DTC check, refer to the table below if a malfunction code is displayed. For details about each code, refer to the page number in the DTC chart's left column.

DTC No. (See Page)	Detection Item	Trouble Area	*1 MIL	Memory
P0087/49 (05–42)	Fuel Rail/System Pressure – Too Low	• Open or short in fuel pressure sensor circuit • Fuel pressure sensor • ECM	○	○
P0088/78 (05–46)	Fuel Rail/System Pressure – Too High	• Supply pump (suction control valve) • Open or short in supply pump (suction control valve) circuit • Common rail • ECM	○	○
P0093/78 (05–50)	Fuel System Leak Detected – Large Leak	• Fuel leak (supply pump – common rail – injector) • Injector	○	○
P0095/23 (05–52)	Intake Air Temperature Sensor 2 Circuit	• Open or short in IAT sensor circuit • IAT sensor (after turbocharged) • ECM	○	○
P0097/23 (05–52)	Intake Air Temperature Sensor 2 Circuit Low	• Open or short in IAT sensor circuit • IAT sensor (after turbocharged) • ECM	○	○
P0098/23 (05–52)	Intake Air Temperature Sensor 2 Circuit High	• Open or short in IAT sensor circuit • IAT sensor (after turbocharged) • ECM	○	○
P0100/31 (05–59)	Mass or Volume Air Flow Circuit	• Open or short in MAF meter circuit • MAF meter • Voltage converter • ECM	○	○
P0102/31 (05–59)	Mass or Volume Air Flow Meter Circuit Low Input	• Open or short in MAF meter circuit • MAF meter • Voltage converter • ECM	○	○
P0103/31 (05–59)	Mass or Volume Air Flow Meter Circuit High Input	• Open or short in MAF meter circuit • MAF meter • Voltage converter • ECM	○	○
P0105/31 (05–68)	Manifold Absolute Pressure/ Barometric Pressure Circuit	• Open or short in turbo pressure sensor (manifold absolute pressure sensor) circuit • Turbo pressure sensor (manifold absolute pressure sensor) • ECM	○	○
P0107/31 (05–68)	Manifold Absolute Pressure/ Barometric Pressure Circuit Low Input	• Open or short in turbo pressure sensor (manifold absolute pressure sensor) circuit • Turbo pressure sensor (manifold turbo pressure sensor) • ECM	○	○
P0108/31 (05–68)	Manifold Absolute Pressure/ Barometric Pressure Circuit High Input	• Open or short in turbo pressure sensor (manifold absolute pressure sensor) circuit • Turbo pressure sensor (manifold absolute pressure sensor) • ECM	○	○
P0110/24 (05–74)	Intake Air Temperature Circuit	• Open or short in IAT sensor circuit • IAT sensor (built in MAF meter) • ECM	○	○
P0112/24 (05–74)	Intake Air Temperature Circuit Low Input	• Open or short in IAT sensor circuit • IAT sensor (built in MAF meter) • ECM	○	○

P0113/24 (05–74)	Intake Air Temperature Circuit High Input	• Open or short in IAT sensor circuit • IAT sensor (built in MAF meter) • ECM	○	○
P0115/22 (05–80)	Engine Coolant Temperature Circuit	• Open or short in ECT sensor circuit • ECT sensor • ECM	○	○
P0117/22 (05–80)	Engine Coolant Temperature Circuit Low Input	• Open or short in ECT sensor circuit • ECT sensor • ECM	○	○
P0118/22 (05–80)	Engine Coolant Temperature Circuit High Input	• Open or short in ECT sensor circuit • ECT sensor • ECM	○	○
P0120/41 (05–86)	Throttle/Pedal Position Sensor/ Switch ”A” Circuit	• Open or short in throttle position sensor circuit • Throttle position sensor • ECM	○	○
P0122/41 (05–86)	Throttle/Pedal Position Sensor/ Switch ”A” Circuit Low Input	• Open or short in throttle position sensor circuit • Throttle position sensor • ECM	○	○
P0123/41 (05–86)	Throttle/Pedal Position Sensor/ Switch ”A” Circuit High Input	• Open or short in throttle position sensor circuit • Throttle position sensor • ECM	○	○
P0168/39 (05–92)	Fuel Temperature Too High	• Open or short in fuel temperature sensor circuit • Fuel temperature sensor • ECM	○	○
P0180/39 (05–92)	Fuel Temperature Sensor ”A” Circuit	• Open or short or short in fuel temperature sensor circuit • Fuel temperature sensor • ECM	○	○
P0182/39 (05–92)	Fuel Temperature Sensor ”A” Circuit Low Input	• Open or short in fuel temperature sensor circuit • Fuel temperature sensor • ECM	○	○
P0183/39 (05–92)	Fuel Temperature Sensor ”A” Circuit High Input	• Open or short in fuel temperature sensor circuit • Fuel temperature sensor • ECM	○	○
P0190/49 (05–42)	Fuel Rail Pressure Sensor Circuit	• Open or short in fuel pressure sensor circuit • Fuel pressure sensor • ECM	○	○
P0191/49 (05–42)	Fuel Rail Pressure Sensor Circuit Range/Performance	• Open or short in fuel pressure sensor circuit • Fuel pressure sensor • ECM	○	○
P0192/49 (05–42)	Fuel Rail Pressure Sensor Circuit Low Input	• Open or short in fuel pressure sensor circuit • Fuel pressure sensor • ECM	○	○
P0193/49 (05–42)	Fuel Rail Pressure Sensor Circuit High Input	• Open or short in fuel pressure sensor circuit • Fuel pressure sensor • ECM	○	○
P0200/97 (05–98)	Injector Circuit / Open	• Open or short in EDU circuit • Injector • EDU • ECM	○	○
P0263/78 (05–103)	Cylinder 1 Contribution/Balance	• Open or short in EDU circuit • Injector • EDU	—	○
P0266/78 (05–103)	Cylinder 2 Contribution/Balance	• Open or short in EDU circuit • Injector • EDU	—	○
P0269/78 (05–103)	Cylinder 3 Contribution/Balance	• Open or short in EDU circuit • Injector • EDU	—	○

P0272/78 (05–103)	Cylinder 4 Contribution/Balance	• Open or short in EDU circuit • Injector • EDU	—	○
P0335/12 (05–107)	Crankshaft Position Sensor ”A” Circuit	• Open or short in crankshaft position sensor circuit • Crankshaft position sensor • Crankshaft position sensor plate • ECM	○	○
P0339/13 (05–107)	Crankshaft Position Sensor ”A” Circuit Intermittent	• Open or short in crankshaft position sensor circuit • Crankshaft position sensor • Crankshaft position sensor plate • ECM	—	○
P0340/12 (05–111)	Camshaft Position Sensor ”A” Circuit (Bank 1 or Single Sensor)	• Open or short in camshaft position sensor circuit • Camshaft position sensor • Camshaft drive gear • ECM	○	○
P0488/15 (05–115)	Exhaust Gas Recirculation Throttle Position Control Range/ Performance	• Open or short in throttle control motor circuit • Throttle control motor • ECM	○	○
P0500/42 (05–118)	Vehicle Speed Sensor ”A”	• Open or short in vehicle speed sensor circuit • Vehicle speed sensor • Combination meter • ECM	○	○
P0504/51 (05–121)	Brake Switch ”A”/”B” Correlation	• Open or short in stop lamp switch signal circuit • Stop lamp switch • ECM	—	○
P0627/78 (05–46)	Fuel Pump Control Circuit / Open	• Supply pump (suction control valve) • Open or short in supply pump (suction control valve) circuit • Common rail • ECM	○	○
P1133 (05–127)	Accelerator Position Sensor Circuit High	• Short in accelerator position sensor circuit • Accelerator position sensor • ECM	—	○
P1143/19 (05–132)	Idle Variable Resistor Switch Circuit Malfunction (Short)	• Short in idle variable resistor switch circuit • Idle variable resistor switch • ECM	—	○
P1229/78 (05–46)	Fuel Pump System	• Supply pump (suction control valve) • Open or short in supply pump (suction control valve) circuit • Common rail • ECM	○	○
P1601/89 (05–138)	Injector Correction Circuit Malfunction (EEPROM)	• Injector compensation code • ECM	○	○
P1611/17 (05–139)	Run Pulse Malfunction	• ECM	○	○
P1674/36 (05–140)	Solenoid for Exhaust Brake Circuit Malfunction	• Open or short exhaust brake solenoid circuit • Exhaust brake solenoid • ECM	○	○
P2120/19 (05–143)	Throttle/Pedal Position Sensor/ Switch ”D” Circuit	• Open or short in accelerator pedal position sensor circuit • Accelerator pedal position sensor • ECM	○	○
P2121/19 (05–143)	Throttle/Pedal Position Sensor/ Switch ”D” Circuit Range/Performance	• Accelerator pedal position sensor circuit • Accelerator pedal position sensor • ECM	○	○
P2122/19 (05–143)	Throttle/Pedal Position Sensor/ Switch ”D” Circuit Low Input	• Open or short in accelerator pedal position sensor circuit • Accelerator pedal position sensor • ECM	○	○
P2123/19 (05–143)	Throttle/Pedal Position Sensor/ Switch ”D” Circuit High Input	• Open or short in accelerator pedal position sensor circuit • Accelerator pedal position sensor • ECM	○	○

P2125/19 (05–143)	Throttle/Pedal Position Sensor/ Switch ”E” Circuit	• Open or short in accelerator pedal position sensor circuit • Accelerator pedal position sensor • ECM	○	○
P2127/19 (05–143)	Throttle/Pedal Position Sensor/ Switch ”E” Circuit Low Input	• Open or short in accelerator pedal position sensor circuit • Accelerator pedal position sensor • ECM	○	○
P2128/19 (05–143)	Throttle/Pedal Position Sensor/ Switch ”E” Circuit High Input	• Open or short in accelerator pedal position sensor circuit • Accelerator pedal position sensor • ECM	○	○
P2138/19 (05–143)	Throttle/Pedal Position Sensor/ Switch ”D”/”E” Voltage Correlation	• Open or short in accelerator pedal position sensor circuit • Accelerator pedal position sensor • ECM	○	○
P2226/A5*2 (05–151)	Barometric Pressure Circuit	• ECM	○	○
P2228/A5*2 (05–151)	Barometric Pressure Circuit Low Input	• ECM	○	○
P2229/A5*2 (05–151)	Barometric Pressure Circuit High Input	• ECM	○	○

HINT:

*1: Check that the MIL is illuminated.

*2: ”A” in the above table indicates that the MIL flashes 10 times.