05DVX–04

FAIL–SAFE CHART

1. FAIL–SAFE CHART

If any of the following codes is recorded, the ECM enters fail–safe mode.

DTC No.	Detection Item	Fail–safe Operation	Fail–safe Deactivation Conditions
P0087/49	Fuel Rail/System Pressure – Too Low	Limits engine power	Ignition switch OFF
P0088/78	Fuel Rail/System Pressure – Too High	Limits engine power	Ignition switch OFF
P0093/78	Fuel System Leak Detected – Large Leak	Limits engine power	Ignition switch OFF
P0095/23	Intake Air Temperature Sensor 2 Circuit	Intake air (intake manifold) temperature is fixed at 90°C (194°F)	”Pass” condition detected
P0097/23	Intake Air Temperature Sensor 2 Circuit Low	Intake air (intake manifold) temperature is fixed at 90°C (194°F)	”Pass” condition detected
P0098/23	Intake Air Temperature Sensor 2 Circuit High	Intake air (intake manifold) temperature is fixed at 90°C (194°F)	”Pass” condition detected
P0100/31	Mass or Volume Air Flow Circuit	Limits engine power	”Pass” condition detected
P0102/31	Mass or Volume Air Flow Meter Circuit Low Input	Limits engine power	”Pass” condition detected
P0103/31	Mass or Volume Air Flow Meter Circuit High Input	Limits engine power	”Pass” condition detected
P0105/31	Manifold Absolute Pressure/Barometric Pressure Circuit	Intake air manifold pressure is fixed at 101.3 kPa (760 mmHg, 29.9 in.Hg)	”Pass” condition detected
P0107/31	Manifold Absolute Pressure/Barometric Pressure Circuit Low Input	Intake air manifold pressure is fixed at 101.3 kPa (760 mmHg, 29.9 in. Hg)	”Pass” condition detected
P0108/31	Manifold Absolute Pressure/Barometric Pressure Circuit High Input	Intake air manifold pressure is fixed at 101.3 kPa (760 mmHg, 29.9 in.Hg)	”Pass” condition detected
P0110/24	Intake Air Temperature Circuit	Intake air temperature is fixed at 60°C (140°F) (built in MAF meter)	”Pass” condition detected
P0112/24	Intake Air Temperature Circuit Low Input	Intake air temperature is fixed at 60°C (140°F) (built in MAF meter)	”Pass” condition detected
P0113/24	Intake Air Temperature Circuit High Input	Intake air temperature is fixed at 60°C (140°F) (built in MAF meter)	”Pass” condition detected
P0115/22	Engine Coolant Temperature Circuit	• Fuel temperature is 15°C (59°F) or more: Value from fuel temperature sensor is substituted. • Fuel temperature is 15°C (59°F) or less: ECT is fixed at 80°C (176°F)	”Pass” condition detected
P0117/22	Engine Coolant Temperature Circuit Low Input	• Fuel temperature is 15°C (59°F) or more: Value from fuel temperature sensor is substituted. • Fuel temperature is 15°C (59°F) or less: ECT is fixed at 80°C (176°F)	”Pass” condition detected
P0118/22	Engine Coolant Temperature Circuit High Input	• Fuel temperature is 15°C (59°F) or more: Value from fuel temperature sensor is substituted. • Fuel temperature is 15°C (59°F) or less: ECT is fixed at 80°C (176°F)	”Pass” condition detected
P0120/41	Throttle/Pedal Position Sensor/Switch ”A” Circuit	Limits engine power	Ignition switch OFF
P0122/41	Throttle/Pedal Position Sensor/Switch ”A” Circuit Low Input	Limits engine power	Ignition switch OFF
P0123/41	Throttle/Pedal Position Sensor/Switch ”A” Circuit High Input	Limits engine power	Ignition switch OFF
P0168/39	Fuel Temperature Too High	Limits engine power	”Pass” condition detected
P0180/39	Fuel Temperature Sensor ”A” Circuit	Fuel temperature is fixed at 40°C (104°F)	”Pass” condition detected
P0182/39	Fuel Temperature Sensor ”A” Circuit Low Input	Fuel temperature is fixed at 40°C (104°F)	”Pass” condition detected
P0183/39	Fuel Temperature Sensor ”A” Circuit High Input	Fuel temperature is fixed at 40°C (104°F)	”Pass” condition detected

DTC No.	Detection Item	Fail–safe Operation	Fail–safe Deactivation Conditions
P0190/49	Fuel Rail Pressure Sensor Circuit	Limits engine power	”Pass” condition detected
P0191/49	Fuel Rail Pressure Sensor Circuit Range/Performance	Limits engine power	”Pass” condition detected
P0192/49	Fuel Rail Pressure Sensor Circuit Low Input	Limits engine power	”Pass” condition detected
P0193/49	Fuel Rail Pressure Sensor Circuit High Input	Limits engine power	”Pass” condition detected
P0200/97	Injector Circuit/Open	Limits engine power	Ignition switch OFF
P0335/13	Crankshaft Position Sensor ”A” Circuit	Limits engine power	”Pass” condition detected
P0488/15	Exhaust Gas Recirculation Throttle Position Control Range/Performance	Limits engine power	Ignition switch OFF
P0627/78	Fuel Pump Control Circuit / Open	Limits engine power	Ignition switch OFF
P1229/78	Fuel Pump System	Limits engine power	Ignition switch OFF
P1611/17	IC Circuit Malfunction	Limits engine power	Ignition switch OFF
P1674/17	Solenoid for Exhaust Brake Circuit Malfunction	Exhaust brake stop operation	”Pass” condition detected
P2120/19	Throttle/Pedal Position Sensor/Switch ”D” Circuit	Limits engine power	”Pass” condition detected
P2121/19	Throttle/Pedal Position Sensor/Switch ”D” Circuit Range/Performance	Limits engine power	”Pass” condition detected
P2122/19	Throttle/Pedal Position Sensor/Switch ”D” Circuit Low Input	Limits engine power	”Pass” condition detected
P2123/19	Throttle/Pedal Position Sensor/Switch ”D” Circuit High Input	Limits engine power	”Pass” condition detected
P2125/19	Throttle/Pedal Position Sensor/Switch ”E” Circuit	Limits engine power	”Pass” condition detected
P2127/19	Throttle/Pedal Position Sensor/Switch ”E” Circuit Low Input	Limits engine power	”Pass” condition detected
P2128/19	Throttle/Pedal Position Sensor/Switch ”E” Circuit High Input	Limits engine power	”Pass” condition detected
P2138/19	Throttle/Pedal Position Sensor/Switch ”D”/”E” Voltage Correlation	Limits engine power	”Pass” condition detected
P2226/A5	Barometric Pressure Circuit	Atmospheric pressure is fixed at 101.3 kPa (760 mmHg, 29.9 in.Hg)	”Pass” condition detected
P2228/A5	Barometric Pressure Circuit Low Input	Atmospheric pressure is fixed at 101.3 kPa (760 mmHg, 29.9 in.Hg)	”Pass” condition detected
P2229/A5	Barometric Pressure Circuit High Input	Atmospheric pressure is fixed at 101.3 kPa (760 mmHg, 29.9 in.Hg)	”Pass” condition detected