

FAIL-SAFE CHART

If any of the following codes are recorded, the ECM enters fail-safe mode.

DTC No.	Fail-Safe Operation	Fail-Safe Deactivation Condition
P0031/21 P0032/21	A/F heater is turned off	Ignition switch turned to OFF
P0037 P0038	Heated Oxygen Sensor (HO2S) heater is turned off	Ignition switch turned to OFF
P0100/31 P0102/31 P0103/31	Ignition timing is calculated from engine RPM and Throttle Position (TP)	"Pass" condition detected
P0110/24 P0112/24 P0113/24	Intake Air Temperature (IAT) is fixed at 20°C (68°F)	"Pass" condition detected
P0115/22 P0117/22 P0118/22	Engine Coolant Temperature (ECT) is fixed at 80°C (176°F)	"Pass" condition detected
P0120/41 P0122/41 P0123/41 P0220/41 P0222/41 P0223/41 P2102/41 P2103/41 P2111/41 P2112/41 P2118/89 P2119/89 P2135/41	When Electronic Throttle Control System (ETCS) is malfunctioning, electric current to throttle actuator is cut off and throttle valve returns to Throttle Position (TP) 16° by its spring. Then, required engine power is calculated by using ignition timing and Accelerator Pedal Position (APP). Engine is controlled by intermittent fuel-cut. As a result, fully slowly depressing accelerator pedal enables driving at minimum speed. However, quickly depressing pedal would vary vehicle speed remarkably.	"Pass" condition detected and then the ignition switch turned to OFF
P0325/52 P0327/52 P0328/52	Maximum ignition timing retardation	Ignition switch turned to OFF
P0351/14 P0352/15 P0353/14 P0354/15	Fuel is cut	"Pass" condition detected
P2120/19 P2121/19 P2122/19 P2123/19 P2125/19 P2127/19 P2128/19 P2138/19	Accelerator Pedal Position (APP) sensor has main circuit and associate circuit. When one of circuits is malfunctioning, APP is calculated by output of other circuits. When both of circuits are malfunctioning, it is interpreted that accelerator pedal is releasing. As a result, throttle valve is closed and engine idles.	"Pass" condition detected and then the ignition switch turned to OFF

2-digit DTCs do not apply to the European-spec (complying with E-OBD) models.