

FAIL-SAFE CHART

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

DTC	Item	Fail-Safe Operation	Fail-Safe Deactivation Conditions
P0031, P0032, P0037, P0038, P0051, P0052, P0057 and P0058	Heated Oxygen Sensor (HO2S) Heater	Turn off HO2S heater.	The ignition switch is turned OFF
P0100, P0102 and P0103	Mass Air Flow (MAF) Sensor	Ignition timing is calculated from engine RPM and Throttle Position (TP).	"Pass" condition is detected
P0110, P0112 and P0113	Intake Air Temperature (IAT) Sensor	ECM regards that IAT is 20°C (68°F).	"Pass" condition is detected
P0115, P0117 and P0118	Engine Coolant Temperature (ECT) Sensor	ECM regards that ECT is 80°C (176°F).	"Pass" condition is detected
P0120, P0121, P0122, P0123, P0220, P0222, P0223, P0604, P0606, P0607, P0657, P2102, P2103, P2111, P2112, P2118, P2119, and P2135	Electronic Throttle Control System (ETCS)	ECM cuts off throttle actuator current and throttle valve returns to 16° TP by return spring. ECM then adjusts engine output by controlling fuel injection (intermittent fuel-cut) and ignition timing in accordance with accelerator pedal opening angle to continue at minimal speed.*	"Pass" condition is detected and then the ignition switch is turned OFF
P0325, P0327, P0328, P0330, P0332 and P0333	Knock Sensor	ECM sets ignition timing to the maximum retard.	Ignition switch is turned OFF
P0351 to P0358	Igniter	Fuel-cut	"Pass" condition detected.
P2120, P2121, P2122, P2123, P2125, P2127, P2128 and P2138	Accelerator Pedal Position (APP) Sensor	APP sensor has 2 sensor elements (main and sub). If either of elements malfunctions, ECM controls engine with other elements. If both of elements malfunction, ECM regards that APP is fully closed (engine idling).	"Pass" condition is detected and the ignition switch is turned OFF

NOTE:

* The vehicle can be driven slowly when the accelerator pedal is depressed firmly and slowly. If the accelerator pedal is depressed quickly, the vehicle may speed up and slow down erratically.