

Diagnostic Trouble Codes:

Fault code	Description	EOBD	
		Class	Active MIL
P0262	Fuel injector short to battery plus	4	√
P0261	Fuel injector short to ground	4	√
P0201	Fuel injector open circuit	4	√
P0629	Fuel pump short to battery plus	4	√
P0628	Fuel pump short to ground	4	√
P0627	Fuel pump open circuit	4	√
P0509	Stepper motor short to battery plus	4	√
P0508	Stepper motor short to ground	4	√
P0511	Stepper motor open circuit	4	√
P0511	Stepper motor Over current	4	√
P0412	Secondary air valve short to battery plus	4	√
P0459	canister purge valve short to battery plus	4	√
P0458	canister purge valve short to ground	4	√
P0444	canister purge valve open circuit	4	√
P2300	Ignition Coil short to ground	4	√
P0650	MIL short to battery plus	5	×
P0650	MIL short to ground	5	×
P0650	MIL open circuit	5	×
P0108	Manifold absolute pressure sensor voltage > UADPSMX	4	√
P0107	Manifold absolute pressure sensor voltage > UADPSMN	4	√
P0105	Manifold absolute pressure sensor no pressure drop after start	3	√
P0106	Manifold absolute pressure sensor signal non_plausible	3	√
P0322	Synchronisation didn't take place by some certain phase sensor signals has been detected.	4	√
P0507	actuator blocked at higher position	3	√
P0506	actuator blocked at lower position	3	√
P0118	Engine temperature sensor short to 5V	4	√
P0117	Engine temperature sensor short to ground	4	√
P0116	Engine temperature exceeds plausible threshold	4	√
P0126	Engine temperature engine temperature is stuck	3	√
P0113	Intake manifold temperature sensor short to 5V	4	√
P0112	Intake manifold temperature sensor short to ground	4	√
P0111	intake manifold temperature exceeds plausible threshold	4	√
P0114	intake manifold temperature is stuck	3	√
P0563	rationality check max limit exceeds	5	×
P0562	rationality check min limit exceeds	5	×
P0560	implausibility check	5	×
P0501	lower limit exceeded during fuel cut off	4	√

P0123	Throttle position sensor max limit exceeds	4	√
P0122	Throttle position sensor min limit exceeds	4	√
P2177	multiplicative adaption value reach upper limit	11	√
P2178	multiplicative adaption value reach lower limit	11	√
P2187	additive adaption value reach upper limit	11	√
P2188	additive adaption value reach lower limit	11	√
P0301	misfire rate that harmful to catlyst (mx fault)	2	√or Blink
P0301	misfire rate that deteriorate emission (mn fault)	2	√
P0301	misfire implausible fault	2	√
P0032	O2 sensor heater short to battery plus	4	√
P0031	O2 sensor heater short to ground	4	√
P0030	O2 sensor heater open circuit	4	√
P0053	current O2 sensor resistance is greater than threshold value	3	√
P0133	filtered cycle delay time of O2 sensor signal upstream cat.is greater than threshold value	3	√
P0132	O2 Sensor Circuit High Voltage	4	√
P0131	O2 Sensor Circuit Low Voltage	4	√
P0134	O2 Sensor Circuit No Activity Detected	4	√
P0130	O2 Sensor Voltage coupled with heater line	4	√
P0138	O2 Sensor2 Circuit High Voltage	4	√
P0137	O2 Sensor2 Circuit Low Voltage	4	√
P0136	O2 Sensor2 Circuit No Activity Detected	4	√
P2232	O2 Sensor2 Voltage coupled with heater line	4	√
P2270	O2 Sensor2 Signal Biased&Stuck Lean Bank 1 Sensor 2	3	√
P2271	O2 Sensor2 Signal Biased&Stuck Rich Bank 1 Sensor 2	3	√
P0036	O2 sensor2 heater open circuit	4	√
P0037	O2 sensor2 heater short to ground	4	√
P0038	O2 sensor2 heater short to battery plus	4	√
P0054	current O2 sensor2 resistance is greater than threshold value	3	√
P0420	Catalyst System Efficiency Below Threshold Bank 1	3	√