

S. No	Component/ System	Fault Type	Fault Code	Fault Code descripti on	Monitor Strategy Description	Enable Conditions	Time Required since Diagnosi s Enable	MIL Activat ion Criteria	Precond itioning	Demonstrat ion Test
1	Engine coolant temperature sensor	circuit Hi/Open circuit	P 0118	ISO150 31	coolant temperature signal	1. Vehicle soaktime is larger than 2Min 2. Engine is running	120S	1st Cycle	None	Idle
		circuit Lo	P 0117	ISO150 31	coolant temperature signal	1. Vehicle soaktime is larger than 2Min 2. Engine is running	120S	1st Cycle	None	Idle
		Performan ce	P 0116	ISO150 31	coolant temperature signal	1. Vehicle soaktime is larger than 240Min 2. Engine is running 3. Accumulated fuel mass mets the requirement	30S	2nd Cycle	1 Driving cycle	Driving cycle
		Out of Range	P 1116	ISO150 31	coolant temperature signal	1. Vehicle soaktime is larger than 240Min 2. Engine is running 3. Accumulated fuel mass mets the requirement	30S	2nd Cycle	1 Driving cycle	Driving cycle
2	Crankshaft position sensor	Device not present	P 0335	ISO150 31	23X signal	Engine is running	20S	1st Cycle	None	Engine Running
3	Ignition Coil "A" Primary Control Circuit	circuit Lo/Open circuit	P 2300	ISO150 31	Circuit check	Engine is running	20S	1st Cycle	None	Key ON
4	Throttle position sensor	circuit Hi	P 0123	ISO150 31	Circuit check	Key on	20S	1st Cycle	None	Engine Running
		circuit Lo/Open circuit	P 0122	ISO150 31	Circuit check	Key on	20S	1st Cycle	None	Key ON
5	Fuel Pump	circuit Hi	P 0232	ISO150 31	Circuit check	Engine is running	20S	1st Cycle	None	Engine Running
		circuit Lo/Open circuit	P 0231	ISO150 31	Circuit check	Engine is running	20S	1st Cycle	None	Key ON
6	ECM	Memory Checksum	P 0601	ISO150 31	FileRom Checksum	Key on	20S	1st Cycle	None	Key ON
7	Cylinder 1 Fuel Injector	circuit Hi	P 0262	ISO150 31	Circuit check	Engine is running	20S	1st Cycle	None	Engine Running
		circuit Lo/Open circuit	P 0261	ISO150 31	Circuit check	Engine is running	20S	1st Cycle	None	Key ON
8	Manifold Absolute Pressure Sensor	circuit Hi	P 0108	ISO150 31	MAP signal	Key on	20S	1st Cycle	None	Key ON
		circuit Lo/Open circuit	P 0107	ISO150 31	MAP signal	Key on	20S	1st Cycle	None	Key ON
		Performan ce	P 3106	ISO150 31	MAP signal	Engine is running	20S	2nd Cycle	1 Driving cycle	Driving cycle
		Signal Stuck	P 0105	ISO150 31	MAP signal	Engine is running	20S	2nd Cycle	1 Driving cycle	Engine Running
9	Intake Air Temperature Sensor	circuit Hi/Open circuit	P 0113	ISO150 31	Intake Air Temperatur e signal	Key on	20S	1st Cycle	None	Key ON
		circuit Lo	P 0112	ISO150 31	Intake Air Temperatur e signal	Key on	20S	1st Cycle	None	Key ON
		Signal Stuck	P 0111	ISO150 31	Intake Air Temperatur e signal	1. Vehicle soaktime is larger than 240Min 2. Engine is running 3. Accumulated Air mass mets the requirement	90S	2nd Cycle	1 Driving cycle	Driving cycle
		Performan ce	P 0114	ISO150 31	Intake Air Temperatur e signal	Key on or engine is running	150S	2nd Cycle	1 Driving cycle	Key ON

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10	O2 sensor 1 cylinder	circuit Hi	P 0132	ISO150 31	O2 sensor signal	Engine is running	200S	2nd Cycle	None	Idle
		circuit Lo/Open circuit	P 0131	ISO150 31	O2 sensor signal	Engine is running	200S	2nd Cycle	None	Idle
		Out of Range	P 2195	ISO150 31	O2 sensor signal	Overheat protection mode is enabled	200S	2nd Cycle	None	Driving cycle
		Performan ce	P 014D	ISO150 31	O2 sensor signal	Engine is running Enginge Temperature is larger than 50℃	200S	3rd Cycle	2 Type I cycles	Type I cycles
		Performan ce	P 014C	ISO150 31	O2 sensor signal	Engine is running Enginge Temperature is larger than 50℃	200S	3rd Cycle	2 Type I cycles	Type I cycles
	O2 sensor heater 1 cylinder	circuit Hi	P 0031	ISO150 31	Circuit check	Engine is running	20S	1st Cycle	None	Key ON
		circuit Lo/Open circuit	P 0032	ISO150 31	Circuit check	Engine is running	20S	1st Cycle	None	Idle
		performanc e	P 00D1	ISO150 31	Circuit check	Engine is running	200S	2nd Cycle	None	Idle
11	Misfire detection	performanc e	P 0301	ISO150 31	Misfire detection	1.Engine is running 2.Misfire incident is happened	900S	3rd Cycle	2 Type I cycles	Type I cycles
12	Vehicle Speed Sensor detection	performanc e	P 0500	ISO150 31	Vehicle Speed signal	1.Vehicle speed plus signal inpput 2.Engine is running	200S	2nd Cycle	1 Driving cycle	Driving cycle
13	Idle air control system	performanc e	P 0505	ISO150 31	Engine Speed check	Engine is running in idle mode	240S	2nd Cycle	None	Idle