

SABA CNG bi-fuel P code (Gasoline components)

Component System	Fault Code	Malfunction criteria
Upstream O2 sensor Heater Malfunction	P0031	Short to Ground
	P0032	Short to Battery Line Break
Manifold Absolute Pressure (MAP)	P0107	Short to Ground or Line Break
	P0108	Short to Battery Ground line Break
Intake Air Temperature (TIA) Sensor	P0112	Short to Ground
	P0113	Short to Battery or Line Break
Engine Coolant Temperature (TCO) Sensor	P0117	Short to Ground
	P0118	Short to Battery Line Break
Throttle Position (TPS)	P0122	Short to Ground
	P0123	Short to Battery or Line Break
Upstream O2 sensor Malfunction (VLS_UP)	P0130	Line Break
	P0131	Short Circuit to Ground
	P0132	Short Circuit to Battery
Fuel Pump Relay	P0230	Short to ground or Line Break Short to Battery
	P0325	Check difference Knock Signal - Noise Level Noise Level
Crankshaft Position Sensor	P0335	No Crankshaft Teeth detected after 4 Camshaft signal Crankshaft Teeth detected but synchronisation not successful Number of Crankshaft Teeth not correct within one revolution
Camshaft Position Sensor	P0340	No camshaft edge detected Camshaft edge out of normal range
Ignition Coil Primary Control Circuit Malfunction	P0351	Signal acquisition input failure, Primary overvoltage duration too short, No ignition spark
	P0352	
	P0353	
	P0354	
Evaporative Emission Control System - Purge Control Valve Malfunction	P0444	Line Break
	P0445	Short to Battery or Short to Ground
Vehicle Speed Signal	P0501	Vehicle Speed = 0 with high engine speed and engine load
ISA Stepper Motor	P0505	Short to ground
		Short to Battery
		Line Break
Main Relay Malfunction (V_EL)	P0560	Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF
		Short to ground
Diagnostic lamp	P0650	Short to Battery
		Line Break
		Short to ground
A/C high pressure switch or clutch relay circuit	P1545	Short to Battery
		Line Break
		Short to ground
Cooling fan relay	P1624	Short to Battery
		Line Break
		Short to ground
A/C condensor fan relay or cooling fan high relay	P1625	Short to Battery
		Line Break
		Short to ground
Cooling fan signal line	P1626	Line Break
Engine Coolant Hot Warning Lamp	P1665	Short to ground
		Short to Battery
		Line Break
Gasoline Injector	P1201	Cyl.1-Short to Ground, Battery, OL
	P1202	Cyl.2-Short to Ground, Battery, OL
	P1203	Cyl.3-Short to Ground, Battery, OL
	P1204	Cyl.4-Short to Ground, Battery, OL
Fuel Tank Level Input Signal	P1460	Short to Battery Line Break
	P1461	Check Fuel Tank Level signal variation by 200km travelled distance
	P1464	Check Fuel Tank Level signal gradient
Fuel Tank Level output Signal	P1462	Short to Battery
		Short to Ground
Communication failure with immobilizer	P1656	ECU was not learnt
Immobilizer configuration not correct	P1661	ECU was learnt, but not match with TP and ICU
System voltage	P3072	Battery voltage < 6V
	P3073	Battery voltage > 16V
R-line circuit malfunction	P1662	Short to Ground
		Short to Battery
		Line Break

SABA CNG bi-fuel P code (CNG components)

Component System	Fault Code	Malfunction criteria
CNG tank pressure sensor	P3001	Short to Ground Short to Battery Line Break
	P3002	Too high pressure drop (>900hPa/10msec) High pressure pipe line leakage
CNG shut off valve at tank #1	P3005	Short to Ground Short to Battery
CNG shut off valve at tank #2	P3006	Short to Ground Short to Battery
CNG shut off valve at tank #3	P3007	Short to Ground Short to Battery
CNG shut off valve at Pressure Control Device	P3089	Short to Ground Short to Battery Line Break
CNG/Gasoline selection switch	P3176	Short to Ground Short to Battery Line Break
CNG rail temperature sensor	P3180	Short to Ground Short to Battery Line Break
CNG rail pressure sensor	P3190	Short to Ground Short to Battery Line Break
	P3191	Too high pressure > 3.7 bar, Regulator Shut off valve leakage Too low pressure < 1.8 bar, Regulator initial setting low Injector rail and hose leakage
CNG Injector	P3201	Cyl.1-Short to Ground, Battery, OL
	P3202	Cyl.2-Short to Ground, Battery, OL
	P3203	Cyl.3-Short to Ground, Battery, OL
	P3204	Cyl.4-Short to Ground, Battery, OL
Alternative Fuel Level Output line	P3230	Short to Ground Short to Battery Line Break
CNG selection lamp	P3381	Short to ground or Line Break Short to Battery