IKCO P code (Gasoline components)

Component System	Fault Code	Malfunction criteria
	P0031	Short to Ground
Upstream O2 sensor Heater Malfunction		Short to Battery
	P0032	Line Break
	P0107	Short to Ground or Line Break
Manifold Absolute Pressure (MAP)		Short to Battery
	P0108	Ground line Break
Intake Air Temperature (TIA) Sonsor	P0112	Short to Ground
Intake Air Temperature (TIA) Sensor	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
Knock sensor Circuit Malfunction	P0325	Check difference Knock Signal - Noise Level
		Noise Level
One shake fit Describer One s	Desse	No Crankshaft Teeth detected after 4 Camshaft signal
Crankshaft Position Sensor Camshaft Position Sensor	P0335 P0340	Crankshaft Teeth detected but synchronisation not successful
		Numder of Crankshaft Teeth not corret within one revolution
		No camshaft edge detected
	1 00 10	Camshaft edge out of normal range
Ignition Coil Primary Control Circuit Malfunction	P0351	
	P0352	Signal acquisition input failure, Primary overvoltage duration too short,
	P0353	No ignition spark
	P0354	
Evaporative Emission Control System - Purge	P0444	Line Break
Control Valve Malfunction	P0445	Short to Battery or Short to Ground
Vehicle Speed Signal	P0501	Vehicle Speed = 0 with high engine speed and engine load
	İ	
		Short to ground
ISA Stepper Motor	P0505	Short to ground Short to Battery
ISA Stepper Motor	P0505	*
		Short to Battery Line Break
ISA Stepper Motor Main Relay Malfunction(V_EL)	P0505 P0560	Short to Battery Line Break Volt. after Main Rel. too Low when ON
		Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF
		Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground
Main Relay Malfunction(V_EL)	P0560	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to Battery
Main Relay Malfunction(V_EL)	P0560	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to Battery Line Break
Main Relay Malfunction (V_EL) Diagnostic lamp	P0560 P0650	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to Battery Line Break Short to ground
Main Relay Malfunction(V_EL)	P0560	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to Battery Line Break Short to ground Short to Battery
Main Relay Malfunction (V_EL) Diagnostic lamp	P0560 P0650	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to Battery Line Break Short to ground Short to Battery Line Break
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit	P0560 P0650 P1545	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to ground Short to Battery Line Break Short to Battery Line Break Short to Battery Line Break Short to ground
Main Relay Malfunction (V_EL) Diagnostic lamp	P0560 P0650	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to Battery Line Break Short to Battery Line Break Short to ground Short to ground Short to ground Short to ground
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line)	P0560 P0650 P1545	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to Battery Line Break Short to Battery Line Break Short to ground Short to ground Short to Battery Line Break
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line) A/C condensor fan relay or cooling afn high relay	P0560 P0650 P1545 P1624	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to Battery Line Break Short to Battery Line Break Short to ground Short to Battery Line Break Short to Battery Line Break Short to Battery
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line)	P0560 P0650 P1545	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to ground Short to Battery Line Break Short to Battery Line Break Short to Battery Line Break Short to ground Short to ground Short to ground Short to ground Short to ground Short to ground
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line) A/C condensor fan relay or cooling afn high relay (ECU output line)	P0560 P0650 P1545 P1624 P1625	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to ground Short to Battery Line Break Short to Battery Line Break Short to Battery Line Break Short to ground Short to Battery Line Break Short to Battery Line Break
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line) A/C condensor fan relay or cooling afn high relay	P0560 P0650 P1545 P1624	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to Battery Line Break Short to Battery Line Break Short to ground Short to ground Short to ground Short to Battery Line Break Short to Battery Line Break Short to Battery Line Break Line Break
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line) A/C condensor fan relay or cooling afn high relay (ECU output line) Cooling fan signal line	P0560 P0650 P1545 P1624 P1625 P1626	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to Battery Line Break Short to Battery Line Break Short to ground Short to ground Short to ground Short to ground Short to ground Short to Battery Line Break Short to Battery Line Break Short to Battery Line Break Line Break Line Break
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line) A/C condensor fan relay or cooling afn high relay (ECU output line)	P0560 P0650 P1545 P1624 P1625	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to Battery Line Break Short to ground Short to Battery Line Break Short to ground Short to ground
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line) A/C condensor fan relay or cooling afn high relay (ECU output line) Cooling fan signal line	P0560 P0650 P1545 P1624 P1625 P1626 P1665	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to Battery Line Break Short to Battery Line Break
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line) A/C condensor fan relay or cooling afn high relay (ECU output line) Cooling fan signal line	P0560 P0650 P1545 P1624 P1625 P1626 P1665 P1201	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to ground Short to Battery Line Break Short to Battery Line Break Short to ground Short to Battery Line Break Short to Battery Line Break Short to Battery Line Break Short to Battery Line Break Short to Battery Line Break Line Break Short to Battery Line Break Line Break Short to Battery Line Break Cyl.1-Short to Ground, Battery, OL
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line) A/C condensor fan relay or cooling afn high relay (ECU output line) Cooling fan signal line	P0560 P0650 P1545 P1624 P1625 P1626 P1665 P1665 P1201 P1202	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to Battery Line Break Short to Battery Line Break Short to ground Short to ground Short to ground Short to ground Short to ground Short to Battery Line Break Short to Battery Line Break Line Break Line Break Line Break Line Break Chart to ground Short to Battery Line Break Line Break Cyl.1-Short to Ground, Battery, OL Cyl.2-Short to Ground, Battery, OL
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line) A/C condensor fan relay or cooling afn high relay (ECU output line) Cooling fan signal line Engine Coolant Hot Warning Lamp	P0560 P0650 P1545 P1624 P1625 P1626 P1665 P1201 P1202 P1203	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to Battery Line Break Short to Battery Line Break Short to ground Short to ground Short to Battery Line Break Short to ground Short to Battery Line Break Short to Battery Line Break Line Break Line Break Line Break Line Break Cyl.1-Short to Ground, Battery, OL Cyl.2-Short to Ground, Battery, OL Cyl.3-Short to Ground, Battery, OL
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line) A/C condensor fan relay or cooling afn high relay (ECU output line) Cooling fan signal line Engine Coolant Hot Warning Lamp Gasoline Injector	P0560 P0650 P1545 P1624 P1625 P1625 P1626 P1665 P1201 P1202 P1203 P1204	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to ground Short to Battery Line Break Short to Battery Line Break Short to Battery Line Break Short to ground Short to Battery Line Break Short to ground Short to Battery Line Break Line Break Line Break Line Break Line Break Line Break Cyl.1-Short to Ground, Battery, OL Cyl.2-Short to Ground, Battery, OL Cyl.4-Short to Ground, Battery, OL
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line) A/C condensor fan relay or cooling afn high relay (ECU output line) Cooling fan signal line Engine Coolant Hot Warning Lamp Gasoline Injector Communication failure with immobilizer	P0560 P0650 P1545 P1624 P1625 P1625 P1626 P1665 P1201 P1202 P1203 P1204 P1656	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to ground Short to Battery Line Break Short to Battery Line Break Cyl.1-Short to Ground, Battery, OL Cyl.3-Short to Ground, Battery, OL
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line) A/C condensor fan relay or cooling afn high relay (ECU output line) Cooling fan signal line Engine Coolant Hot Warning Lamp Gasoline Injector	P0560 P0650 P1545 P1624 P1625 P1625 P1626 P1665 P1201 P1202 P1203 P1204 P1656 P1661	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to ground Short to Battery Line Break Short to Battery Line Break Short to ground Short to Battery Line Break Short to Battery Line Break Short to Battery Line Break Short to Battery Line Break Cyl.1-Short to Ground, Battery, OL Cyl.2-Short to Ground, Battery, OL Cyl.3-Short to Ground, Battery, OL Cyl.4-Short to Ground, Battery, OL
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line) A/C condensor fan relay or cooling afn high relay (ECU output line) Cooling fan signal line Engine Coolant Hot Warning Lamp Gasoline Injector Communication failure with immobilizer Immobilizer configuration not correct	P0560 P0650 P1545 P1624 P1625 P1625 P1626 P1665 P1201 P1202 P1203 P1204 P1656	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to ground Short to Battery Line Break Short to Battery Line Break Cyl.1-Short to Ground, Battery, OL Cyl.3-Short to Ground, Battery, OL
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line) A/C condensor fan relay or cooling afn high relay (ECU output line) Cooling fan signal line Engine Coolant Hot Warning Lamp Gasoline Injector Communication failure with immobilizer	P0560 P0650 P1545 P1624 P1625 P1625 P1626 P1665 P1201 P1202 P1203 P1204 P1656 P1661	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to ground Short to Battery Line Break Short to Battery Line Break Short to ground Short to Battery Line Break Short to Battery Line Break Short to Battery Line Break Short to Battery Line Break Cyl.1-Short to Ground, Battery, OL Cyl.2-Short to Ground, Battery, OL Cyl.3-Short to Ground, Battery, OL Cyl.4-Short to Ground, Battery, OL ECU was learnt, but not match with TP and ICU ECU was not learnt
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line) A/C condensor fan relay or cooling afn high relay (ECU output line) Cooling fan signal line Engine Coolant Hot Warning Lamp Gasoline Injector Communication failure with immobilizer Immobilizer configuration not correct	P0560 P0650 P1545 P1624 P1625 P1625 P1626 P1665 P1665 P1201 P1202 P1204 P1656 P1661 P3072	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to Battery Line Break Short to ground Short to Battery Line Break Short to ground Short to Battery Line Break Short to Battery Line Break Line Break Line Break Line Break Line Break Cyl.1-Short to Ground, Battery, OL Cyl.2-Short to Ground, Battery, OL Cyl.4-Short to Ground, Battery, OL ECU was learnt, but not match with TP and ICU ECU was not learnt Battery voltage < 6V
Main Relay Malfunction (V_EL) Diagnostic lamp A/C high pressure switch or clutch relay circuit Cooling fan relay (ECU output line) A/C condensor fan relay or cooling afn high relay (ECU output line) Cooling fan signal line Engine Coolant Hot Warning Lamp Gasoline Injector Communication failure with immobilizer Immobilizer configuration not correct	P0560 P0650 P1545 P1624 P1625 P1625 P1626 P1665 P1665 P1201 P1202 P1204 P1656 P1661 P3072	Short to Battery Line Break Volt. after Main Rel. too Low when ON Volt. after Main Rel. too High when OFF Short to ground Short to Battery Line Break Short to Battery Line Break Short to ground Short to Battery Line Break Short to ground Short to Battery Line Break Short to Battery Line Break Line Break Line Break Line Break Cy.1.1-Short to Ground, Battery, OL Cy.1.2-Short to Ground, Battery, OL Cy.1.3-Short to Ground, Battery, OL ECU was learnt, but not match with TP and ICU ECU was not learnt Battery voltage < 6V Battery voltage < 16V