

FAULT CODE (LAMP)	SID, PID FMI	SPN IMF	DESCRIPTION
111 Red	S254 12	629 12	Engine control Unit-critical internal error
112 Red	S020 7	635 7	The injection syncer does not respond to the commands of the control unit
113 Yellow	S020 3	635 3	Injection timing chain-short circuit
114 Yellow	S020 4	635 4	Injection synchronisation chain-chain break
115 Red	P190 2	190 2	Circuit of the speed sensor and the position of the crankshaft-no two signals from the sensor
116 Red	P156 3	156 3	Circuit of the pressure sensor in the highway control the angle of fuel injection-short circuit
117 Red	P156 4	156 4	Circuit of the pressure sensor in the line of control of the fuel injection lead angle-chain breakage
118 Yellow	P135 3	135 3	Circuit of the fuel pressure sensor in the fuel pump-short circuit
119 Yellow	P135 4	135 4	Circuit of the fuel pressure sensor in the fuel pump-breakage of a chain
121 Yellow	P190 10	190 10	Circuit of the speed sensor and the position of the crankshaft-the absence of one of the two sensor signals

FAULT CODE (LAMP)	SID, PID FMI	SPN IMF	DESCRIPTION
122 Yellow	P102 3	102 3	Pressure sensor in Inlet manifold № 1-Short circuit
123 Yellow	P102 4	102 4	Pressure sensor in the inlet manifold № 1-chain breakage
124* Yellow		102 16	High pressure in inlet manifold (left row of cylinders)
125* None		102 18	Low pressure in inlet manifold (left row of cylinders)
126* Yellow		1129 16	High pressure in inlet manifold (right row of cylinders)
127* None		1129 18	Low pressure in inlet manifold (right row of cylinders)
128* None		1129 3	Pressure sensor in Inlet manifold (right row of cylinders)-Short circuit
129* None		1129 4	Pressure sensor in Inlet manifold (right row of cylinders)-chain breakage
131 Red	P091 3	91 3	Accelerator pedal position sensor circuit-short circuit
132 Red	P091 4	91 4	Accelerator pedal position sensor chain-chain breakage

FAULT CODE (LAMP)	SID, PID, FMI	SPN IMF	DESCRIPTION
133 Red	P029 3	974 3	Sensor Circuit of the remote accelerator pedal-short circuit
133 Red	P029 3	29 3	Sensor Circuit of the remote accelerator pedal-short circuit
134 Red	P029 4	974 4	Circuit of the position sensor of the remote accelerator pedal-chain breakage
134 Red	P029 4	29 4	Circuit of the position sensor of the remote accelerator pedal-chain breakage
135 Yellow	P100 3	100 3	Engine oil pressure sensor circuit-short circuit
136* None		1028 3	System Oil pressure sensor chain Prelube -Short Circuit
137* None		1028 4	System Oil pressure sensor chain Prelube -Chain breakage
141 Yellow	P100 4	100 4	Chain of the oil pressure sensor in the engine-chain breakage
143 Yellow	P100 1	100 18	Low oil pressure in the engine
143 White	P100 1	100 1	Low oil pressure in the engine

FAULT CODE (LAMP)	SID, PID FMI	SPN IMF	DESCRIPTION
144 Yellow	P110 3	110 3	Coolant temperature sensor circuit-short circuit
145 Yellow	P110 4	110 4	Coolant temperature sensor chain-chain break
146 Yellow	P110 0	110 16	High coolant temperature
147 Red	P091 8	91 8	Accelerator pedal position sensor circuit-low frequency
148 Red	P091 8	91 8	Accelerator pedal position sensor chain-high frequency
151 Red	P110 0	110 0	Dangerously high coolant temperature
151 White	P110 0	110 0	Dangerously high coolant temperature
153 Yellow	P105 3	105 3	№ 1 temperature sensor circuit in inlet manifold-short circuit
154 Yellow	P105 4	105 4	№ 1 temperature sensor chain in inlet manifold-chain breakage
155 Red	P105 0	105 0	Dangerously high air temperature in the inlet manifold

FAULT CODE (LAMP)	SID, PID FMI	SPN IMF	DESCRIPTION
155 White	P105 0	105 0	Dangerously high air temperature in the inlet manifold
156* Yellow		1131 3	Rear temperature sensor in inlet manifold (left row)-Short circuit
157* Yellow		1131 4	Rear temperature sensor in inlet manifold (left row)-chain breakage
158* White		1131 0	High air temperature in inlet manifold (rear sensor, left row of cylinders)
159* Yellow		1132 3	Rear temperature sensor in inlet manifold (right row)-short circuit
161* Yellow		1132 4	The front temperature sensor in the inlet Collector (right row)-chain breakage
162* White		1132 0	High air temperature in inlet manifold (front sensor, right row of cylinders)
163* Yellow		1133 3	Rear temperature sensor in inlet manifold (right row)-short circuit
164* Yellow		1133 4	Rear temperature sensor in inlet manifold (right row)-chain breakage
165* White		1133 0	High air temperature in inlet manifold (rear sensor, right row of cylinders)

FAULT CODE (LAMP)	SID, PID FMI	SPN IMF	DESCRIPTION
166 Yellow	S024 3	733 3	№ sensor chain 1 position of the fuel pump -Short Circuit
172 Red	S023 6	638 6	№ sensor chain 1 position of the fuel pump
173 Yellow	S023 7	638 7	Mechanical jamming of the fuel pump
184 Yellow	S233 2	609 2	Misuse of electronic engine control unit
185 Yellow	S231 2	639 2	Failed to communicate with engine control unit
187 Yellow	S232 4	620	Low voltage on the № Line 1 power supply sensors of the engine control unit
211 None	S216 11	1484 31	Fault codes detected in other control units were found. Verification is required.
211* None		613 14	Fault codes detected in other control units were found. Verification is required.
212 Yellow	P175 3	175 3	Engine oil temperature sensor circuit-short circuit
212* Yellow	P175 3	175 3	Engine oil temperature sensor circuit-short circuit

FAULT CODE (LAMP)	SID, PID FMI	SPN IMF	DESCRIPTION
213 Yellow	P175 4	175 4	Circuit of the oil temperature sensor in the engine-chain breakage
213* Yellow		175 4	Circuit of the oil temperature sensor in the engine-chain breakage
214 Red	P175 0	175 0	Dangerous High Temperature of engine oils
214* White		175 0	Dangerous High Temperature engine oils
219 Maint.	P17 1	1380 17	Low oil level in oil tank system Centinel
219 White	P17 1	1380 1	Low oil level in oil tank system Centinel
221 Yellow	P108 3	108 3	Atmospheric pressure sensor circuit-short circuit
222 Yellow	P108 4	108 4	Atmospheric pressure sensor circuit-chain breakage
223 Yellow	S085 4	1265 4	Oil supply valve chain for combustion system Centinel -Chain breakage
225 Yellow	S086 4	1266 4	Valve CHAIN Oil Addition system Centinel -Chain breakage

FAULT CODE (LAMP)	SID, PID FMI	SPN IMF	DESCRIPTION
227 Yellow	S232 3	620 3	High voltage on the № Line 2 power supply sensors of the engine control unit
231 Yellow	P109 3	109 3	Cooling liquid pressure sensor circuit-short circuit
232 Yellow	P109 4	109 4	Cooling liquid pressure sensor chain-chain breakage
233 Yellow	P109 1	109 18	Low coolant pressure
233 White	P109 1	109 1	Low coolant pressure
234 Red	P190 0	190 0	Dangerous high engine speed
235 Red	P111 1	111 1	Dangerous low coolant level
235 White	P111 1	111 1	Dangerous low coolant level
237 Yellow	S030 2	644 2	Multiengine synchronization-Incorrect external speed data
241 Yellow	P084 2	84 2	Speed sensor circuit-incorrect data

FAULT CODE (LAMP)	SID, PID FMI	SPN IMF	DESCRIPTION
242	P084	84	Speed sensor-evidence tampering detected
Yellow	10	10	
243	P121	513	Motor Brake № 1 Drive-Chain break
Yellow	4	4	
245	S033	647	Fan drive coupling chain-chain breakage
Yellow	4	4	
252	P098	98	№ sensor chain 1 oil level in the engine-incorrect data
Yellow	2	2	
253	P098	98	№ Sensor 1 Oil level in the engine-dangerous low oil level
White	1	1	
254	S017	632	Fuel cut-off valve chain-chain breakage
Red	4	4	
254	S017	632	Fuel cut-off valve chain-chain breakage
None	4	4	
255	S017	632	Fuel cut-off valve circuit-short circuit
Yellow	3	3	
259	S017	632	Fuel cut-off valve-jamming in open position
Red	7	7	
261	P174	174	High fuel temperature
Yellow	0	16	

FAULT CODE (LAMP)	SID, PID FMI	SPN IMF	DESCRIPTION
263 Yellow	P174 3	174 3	Fuel temperature sensor circuit-short circuit
264 Yellow	P174 11	174 11	Fuel temperature sensor circuit-incorrect data
265 Yellow	P174 4	174 4	Fuel temperature sensor circuit-chain breakage
268 Yellow	P094 2	94 2	Fuel pressure sensor circuit-incorrect data
271 Yellow	S126 4	1347	Control valve Circuit № 1 high Fuel pressure-chain breakage
272 Yellow	S126 3	1347 3	№ 1 high-pressure monitoring valve chain-short circuit
273 Yellow	S127 4	1348 4	№ 2 high-pressure control valve chain-chain breakage
274 Yellow	S127 3	1348 3	№ 2 high-pressure monitoring valve chain-short circuit
275 Yellow	S126 7	1347 7	Injection VALVE № 1 fuel pump-mechanical seizing
276 Yellow	S018 3	633 3	Fuel dosage valve Chain/Uov regulation-Short circuit