

Код		Расшифровка	Причина
SPN	FMI		
27	4	EGR valve	Voltage below normal or shorted low
81	16	DPF intake pressure	Data valid but above normal range
84	2	Wheel based Vehicle speed	data erratic or intermittent
84	9	Wheel based Vehicle speed	Abnormal update rate
84	10	Wheel based Vehicle speed	Tampering has been detected
91	2	Accelerator Pedal position 1	data erratic or intermittent
91	3	Accelerator Pedal	Voltage above normal or shorted high
91	4	Accelerator Pedal	Voltage below normal or shorted low
91	9	Accelerator Pedal position 1	Abnormal update rate
91	19	Accelerator Pedal position 1	Received Network Data in error
95	16	Fuel filter differential pressure	Data valid but above normal range
97	3	Water in fuel	Voltage above normal or shorted high
97	4	Water in fuel	Voltage below normal or shorted low
97	15	Water in fuel	data valid but above normal range, least severe
97	16	Water in fuel	Data valid but above normal range
98	0	Engine Oil Level	data valid but above normal range, most severe
98	1	Engine Oil Level	Data valid but below normal range, most severe
98	2	Engine Oil Level	data erratic or intermittent
98	3	Engine Oil Level	Voltage above normal or shorted high
98	4	Engine Oil Level	Voltage below normal or shorted low
98	17	Engine Oil Level	Data valid but below normal, least severe
100	1	Engine Oil Pressure Sensor	Data valid but below normal range, most severe
100	2	Engine Oil Pressure Sensor	data erratic or intermittent
100	3	Engine Oil Pressure Sensor	Voltage above normal or shorted high
100	4	Engine Oil Pressure Sensor	Voltage below normal or shorted low
100	18	Engine Oil Pressure Sensor	Data valid but below normal range
101	0	Crankcase Pressure	data valid but above normal range, most severe
101	2	Crankcase Pressure	data erratic or intermittent
101	3	Crankcase Pressure	Voltage above normal or shorted high
101	4	Crankcase Pressure	Voltage below normal or shorted low
101	15	Crankcase Pressure	data valid but above normal range, least severe
101	16	Crankcase Pressure	Data valid but above normal range
102	3	Intake Manifold #1 Pressure Sensor	Voltage above normal or shorted high
102	4	Intake Manifold #1 Pressure Sensor	Voltage below normal or shorted low
103	2	Turbocharger speed	data erratic or intermittent
103	10	Turbocharger speed	abnormal rate change
103	15	Turbocharger speed	data valid but above normal range, least severe
103	16	Turbocharger speed	Data valid but above normal range
103	18	Turbocharger speed	Data valid but below normal range
105	0	intake Manifold tempature	data valid but above normal range, most severe
105	2	Engine Oil Pressure Sensor	data erratic or intermittent
105	3	Intake Manifold tempature	Voltage above normal or shorted high
105	4	Intake Manifold tempature	Voltage below normal or shorted low
105	15	Engine intake manifold temperature	data valid but above normal range, least severe
110	0	Engine Coolant Temperature Sensor	data valid but above normal range, most severe
110	3	Engine Coolant Temperature Sensor	Voltage above normal or shorted high
110	4	Engine Coolant Temperature Sensor	Voltage below normal or shorted low
110	15	Engine Coolant Temperature Sensor	data valid but above normal range, least severe
110	16	Engine Coolant Temperature Sensor	Data valid but above normal range
110	31	Engine Coolant Temperature Sensor	condition exists
111	3	Engine Coolant Level	Voltage above normal or shorted high
111	4	Engine Coolant Level	Voltage below normal or shorted low
111	17	Engine Coolant Level	Data valid but below normal, least severe
111	18	Engine Coolant Level	Data valid but below normal range
157	0	Engine Injector metering rail 1	data valid but above normal range, most severe
157	3	Engine Injector metering rail 1	Voltage above normal or shorted high
157	4	Engine Injector metering rail 1	Voltage below normal or shorted low
157	16	Engine Injector metering rail 1	Data valid but above normal range
167	1	Charging system	Data valid but below normal range, most severe
167	16	Charging system	Data valid but above normal range

167	18	Charging system	Data valid but below normal range
168	16	Batt power input 1	Data valid but above normal range
168	18	Batt power input 1	Data valid but below normal range
190	0	Engine Speed Sensor	data valid but above normal range, most severe
190	2	Engine Speed Sensor	data erratic or intermittent
190	2	Engine speed	data erratic or intermittent
191	9	Transmission Output shaft speed	Abnormal update rate
251	10	Time abnormal rate of change	abnormal rate change
411	2	EGR Differential Pressure	data erratic or intermittent
411	3	EGR Differential Pressure	Voltage above normal or shorted high
411	4	EGR Differential Pressure	Voltage below normal or shorted low
411	18	EGR Differential Pressure	Data valid but below normal range
412	2	EGR Temperature	data erratic or intermittent
412	3	EGR Temperature	Voltage above normal or shorted high
412	4	EGR Temperature	Voltage below normal or shorted low
412	15	EGR Temperature	data valid but above normal range, least severe
412	16	EGR Temperature	Data valid but above normal range
444	16	Batt power input 2	Data valid but above normal range
444	18	Batt power input 2	Data valid but below normal range
558	9	Accelerator Pedal 1	Abnormal update rate
558	19	Accelerator Pedal 1	Received Network Data in error
612	2	Engine Speed Sensor	lost both signals/connected backwards
627	2	Power Supply	data erratic or intermittent
627	12	Power Supply	Bad device
629	12	Engine Control Module	Bad device
630	12	Calibration Memory	Bad device
633	31	Engine fuei actuator 1 control	condition exists
639	2	Л 939 Network	data erratic or intermittent
639	9	J1939 Network	Abnormal update rate
639	9	J1939 Network	Abnormal update rate
639	13	Л 939 Network	Out of calibration
641	7	VG Turbo actuator 1	mechanical system not responding
641	9	VG Turbo actuator 1	Abnormal update rate
641	11	VG Turbo actuator 1	root cause unknown
641	12	VG Turbo actuator 1	Bad device
641	13	VG Turbo actuator 1	Out of calibration
641	15	VG Turbo actuator 1	data valid but above normal range, least severe
641	31	VG Turbo actuator 1	condition exists
647	3	Engine fan Clutch	Voltage above normal or shorted high
647	4	Engine fan Clutch	Voltage below rormal or shorted low
651	5	Injector cylinder #1	Current below normal or open circuit
652	5	Injector cylinder #2	Current below normal or open circuit
653	5	Injector cylinder #3	Current below normal or open circuit
654	5	Injector cylinder #4	Current below normal or open circuit
655	5	Injector cylinder #5	Current below normal or open circuit
656	5	Injector cylinder #6	Current below normal or open circuit
677	3	Starter motor refay	Voltage above normal or shorted high
677	4	Starter motor relay	Voltage below normal or shorted low
703	11	Auxiliary I/O #3	root cause unknown
703	14	Auxiliary I/O #3	Special instructions
723	2	Engine speed 2	data erratic or intermittent
723	2	Engine speed 2	data erratic or intermittent
729	3	Engine intake heater	Voltage above normal or shorted high
729	4	Engine intake heater	Voltage below normal or shorted low
974	3	Remote Accelerator Pedal	Voltage above normal or shorted high
974	4	Remote Accelerator Pedal	Voltage below normal or shorted low
974	19	Remote Accelerator Pedal	Received Network Data in error
1136	2	Engine ECU tempature	data erratic or intermittent
1136	3	Engine ECU tempature	Voltage above normal or shorted high
1136	4	Engine ECU tempature	Voltage below normal or shorted low
1172	2	Turbocharger intake tempature	data erratic or intermittent
1172	3	Turbocharger intake tempature	Voltage above normal or shorted high

1172	4	Turbocharger intake temperature	Voltage below normal or shorted low
1176	2	Turbocharge intake pressure	data erratic or intermittent
1176	3	Turbocharge intake pressure	Voltage above normal or shorted high
1176	4	Turbocharge intake pressure	Voltage below normal or shorted low
1209	2	Exhaust gas pressure	data erratic or intermittent
1209	3	Exhaust gas pressure	Voltage above normal or shorted high
1209	4	Exhaust gas pressure	Voltage below normal or shorted low
1231	2	Л 939 Network 2	data erratic or intermittent
1235	2	Л 939 Network 3	data erratic or intermittent
1347	3	Engine Fule Pump Pressurizing Assm	Voltage above normal or shorted high
1347	4	Engine Fule Pump Pressurizing Assm	Voltage below normal or shorted low
1378	31	Engine oil change interval	condition exists
1569	31	Engine protection Torque derate	condition exists
1590	2	Adaptive Cruise Control Mode	data erratic or intermittent
1761	1	SCR Tank level	Data valid but below normal range, most severe
1761	3	SCR Tank level	Voltage above normal or shorted high
1761	4	SCR Tank level	Voltage below normal or shorted low
1761	17	SCR Tank level	Data valid but below normal, least severe
1761	18	SCR Tank level	Data valid but below normal range
2623	3	Accelerator Pedal channel 2	Voltage above normal or shorted high
2623	4	Accelerator Pedal channel 2	Voltage below normal or shorted low
2791	4	EGR valve control	Voltage below normal or shorted low
2797	13	Engine Injector group 1	Out of calibration
3031	2	SCR Tank Temperature	data erratic or intermittent
3031	3	SCR Tank Temperature	Voltage above normal or shorted high
3031	4	SCR Tank Temperature	Voltage below normal or shorted low
3031	18	SCR Tank Temperature	Data valid but below normal range
3216	4	Afiertreatment intake NOX	Voltage below normal or shorted low
3226	2	Aftertreatment outlet NOX	data erratic or intermittent
3226	4	Aftertreatment outlet NOX	Voltage below normal or shorted low
3226	9	Aftertreatment outlet NOX	Abnormal update rate
3226	10	Aftertreatment outlet NOX	abnormal rate change
3228	2	Aftertreatment outlet gas sensor	data erratic or intermittent
3242	2	DPF intake gas temperature	data erratic or intermittent
3242	3	DPF intake gas temperature	Voltage above normal or shorted high
3242	4	DPF intake gas temperature	Voltage below normal or shorted low
3242	15	DPF intake gas temperature	data valid but above normal range, least severe
3242	16	DPF intake gas temperature	Data valid but above normal range
3246	2	DPF outlet gas temperature	data erratic or intermittent
3246	3	DPF outlet gas temperature	Voltage above normal or shorted high
3246	4	DPF outlet gas temperature	Voltage below normal or shorted low
3246	15	DPF outlet gas temperature	data valid but above normal range, least severe
3246	16	DPF outlet gas temperature	Data valid but above normal range
3251	0	DPF differential pressure	data valid but above normal range, most severe
3251	2	DPF differential pressure	data erratic or intermittent
3251	3	DPF differential pressure	Voltage above normal or shorted high
3251	4	DPF differential pressure	Voltage below normal or shorted low
3251	15	DPF differential pressure	data valid but above normal range, least severe
3251	16	DPF differential pressure	Data valid but above normal range
3360	2	DEF Controller	data erratic or intermittent
3360	9	DEF Controller	Abnormal update rate
3360	12	DEF Controller	Bad device
3360	19	DEF Controller	Data in error
3361	2	DEF Dosing Unit	data erratic or intermittent
3361	3	DEF Dosing unit	Voltage above normal or shorted high
3361	4	DEF Dosing unit	Voltage below normal or shorted low
3361	5	DEF Dosing unit	Current below normal or open circuit
3361	7	DEF Dosing unit	mechanical system not responding
3361	9	DEF Dosing Unit	Abnormal update rate
3361	11	DEF dosing unit	root cause unknown
3361	12	DEF Dosing Unit	Bad device
3362	7	DEF dosing unit input	mechanical system not responding

3363	3	SCR Tank Heater	Voltage above normal or shorted high
3363	4	SCR Tank Heater	Voltage below normal or shorted low
3363	5	SCR Tank Heater	Current below normal or open circuit
3363	16	SCR Tank Heater	Data valid but above normal range
3363	18	SCR Tank Heater	Data valid but below normal range
3489	3	Aftertreatment Air Enable Actuator	Voltage above normal or shorted high
3489	4	Aftertreatment Air Enable Actuator	Voltage below normal or shorted low
3511	3	Sensor Supply Voltage	Voltage above normal or shorted high
3511	4	Sensor Supply Voltage	Voltage below normal or shorted low
3512	3	Sensor supply voltage 4	Voltage above normal or shorted high
3512	4	Sensor supply voltage 4	Voltage below normal or shorted low
3514	3	Sensor Supply Voltage 6	Voltage above normal or shorted high
3514	4	Sensor Supply Voltage 6	Voltage below normal or shorted low
3555	17	Ambient Air Density	Data valid but below normal, least severe
3597	18	ECU Power Output	Data valid but below normal range
3610	2	DPF outlet pressure	data erratic or intermittent
3610	3	DPF outlet pressure	Voltage above normal or shorted high
3610	4	DPF outlet pressure	Voltage below normal or shorted low
3610	16	DPF outlet pressure	Data valid but above normal range
3667	3	Engine Air shutoff status	Voltage above normal or shorted high
3667	4	Engine Air shutoff status	Voltage below normal or shorted low
3703	31	DPF active regen inhibited by sw	condition exists
3936	7	DPF system	mechanical system not responding
3936	15	DPF system	data valid but above normal range, least severe
4094	31	DEF poor quality	condition exists
4096	31	DEF empty	condition exists
4334	2	SCR dosing reagent pressure	data erratic or intermittent
4334	3	SCR dosing reagent pressure	Voltage above normal or shorted high
4334	4	SCR dosing reagent pressure	Voltage below normal or shorted low
4334	16	SCR dosing reagent pressure	Data valid but above normal range
4334	18	SCR dosing reagent pressure	Data valid but below normal range
4340	3	SCR reagent line heater	Voltage above normal or shorted high
4340	4	SCR reagent line heater	Voltage below normal or shorted low
4340	5	SCR reagent line heater	Current below normal or open circuit
4342	3	SCR reagent line heater 2	Voltage above normal or shorted high
4342	4	SCR reagent line heater 2	Voltage below normal or shorted low
4342	5	SCR reagent line heater 2	Current below normal or open circuit
4344	3	SCR Reagent heater 3	Voltage above normal or shorted high
4344	4	SCR Reagent heater 3	Voltage below normal or shorted low
4344	5	SCR Reagent heater 3	Current below normal or open circuit
4346	3	SCR Reagent heater 4	Voltage above normal! or shorted high
4346	4	SCR Reagent heater 4	Voltage below normal or shorted low
4346	5	SCR Reagent heater 4	Current below normal or open circuit
4360	0	SCR Intake gas temperature	data valid but above normal range, most severe
4360	2	SCR intake gas temperature	data erratic or intermittent
4360	3	SCR intake gas temperature	Voltage above normal! or shorted high
4360	4	SCR intake gas temperature	Voltage below normal! or shorted low
4360	10	SCR intake gas temperature	abnormal rate change
4360	15	SCR intake gas temperature	data valid but above normal range, least severe
4363	0	SCR outlet gas temperature	data valid but above normal range, most severe
4363	2	SCR outlet gas temperature	data erratic or intermittent
4363	3	SCR outlet gas temperature	Voltage above normal or shorted high
4363	4	SCR outlet gas temperature	Voltage below normal or shorted low
4363	10	SCR outlet gas temperature	abnormal rate change
4363	15	SCR outlet gas temperature	data valid but above normal range, least severe
4363	16	SCR outlet gas temperature	Data valid but above normal range
4364	18	SCR conversion Efficiency	Data valid but below normal range
4376	3	SCR reagent return valve	Voltage above normal or shorted high
4376	4	SCR reagent return vaive	Voltage below normal or shorted low
4376	5	SCR reagent return valve	Current below normal or open circuit
4765	0	DOC intake gas temperature	data valid but above normal range, most severe
4765	2	DOC intake gas temperature	data erratic or intermittent

4765	3	DOC intake gas temperature	Voltage above normal or shorted high
4765	4	DOC intake gas temperature	Voltage below normal or shorted low
4765	15	DOC intake gas temperature	data valid but above normal range, least severe
4765	16	DOC intake gas temperature	Data valid but above normal range
4794	31	SCR catalyst system missing	condition exists
4795	31	DPF Missing	condition exists
4796	31	Aftertreatment Catalyst Missing	condition exists
5024	10	Aftertreatment intake NOX	abnormal rate change
5031	10	Aftertreatment outlet NOX	abnormal rate change
5246	0	SCR operator inducement	data valid but above normal range, most severe
5392	31	DEF dosing unit lost prime	condition exists
5394	3	DEF dosing valve	Voltage above normal or shorted high
5394	4	DEF dosing valve	Voltage below normal or shorted low
5394	5	DEF dosing valve	Current below normal or open circuit
5394	7	DEF dosing valve	mechanical system not responding
5480	16	Crankcase breather oil seperator	Data valid but above normal range
5491	3	Crankcase breather oil seperator	Voltage above normal or shorted high
5491	4	Crankcase breather oil seperator	Voltage below normal or shorted low
5491	5	Crankcase breather oil seperator	Current below normal or open circuit
5491	7	Crankcase breather oil seperator	mechanical system not responding