

VIII. APENDIX : DTC list

* Rexton ECU(Siemens) TROUBLE CODE LIST

DTC	Description	DTC	Description
000(P0117)	Engine Temp. Volt Low	024(P0600)	CAN:Missing ABS Messages
001(P0118)	Engine Temp. Volt High	025(P1570)	IMMO. Communication Error
002(P0116)	Engine Temp. Functional	026(P0600)	CAN Error:TCU(A/T ONLY)
003(P0112)	Air Temp. Volt Low	027(P0600)	CAN Error:TOD(E32 ONLY)
004(P0113)	Air Temp. Volt High	029(P0600)	CAN Error:ABD
005(P0111)	Air Temp. Functional	030(P0600)	CAN Error:ABD
006(P0125)	Mininum Engine Temperature	031(P0600)	CAN:Not Initialized
008(P0562)	Battery Voltage Low	032(P0481)	Fan(Low) Short to B+
009(P0101)	Air Mass Not Plausible	033(P0481)	Fan(Low) Short to GND/Open
010(P0102)	Diagnosis Load Low	034(P0232)	Fuel Pump Short to B+
011(P0103)	Diagnosis Load High	035(P0231)	Fuel Pump Short to GND/Open
012(P0452)	Tank Pressure Volt Low	036(P0414)	2nd Air Pump Short to B+
013(P0453)	Tank Pressure Volt High	037(P0413)	2nd Air Pump Short GND/Open
014(P0107)	Intake MAP Volt Low	038(P0462)	Tank Level Sensor Volt Low
015(P0108)	Intake MAP Volt High	039(P0463)	Tank Level Sensor Volt High
016(P0460)	Tank Filling Level Problem	040(P0445)	Purge Valve Short to B+
017(P0335)	No TN Signal,But NW Avail	041(P0444)	Purge Valve Short GND/Open
018(P0336)	Engine Speed High Detected	042(P0448)	AAV Short-Circuit to B+
019(P0341)	Cylinder 1 Signal Missing	043(P0447)	AAV Short-Circuit to GND/OP
020(P0335)	Crank Shaft Sensor Fault	044(P0480)	Fan(High) Short to B+
021(P0602)	Wrong A/TM Variant Coding	045(P0480)	Fan(high) Short to GND/Open
022(P0630)	VIN ECU not Programmed	047(P1760)	TOD:Stuck in Low Range
023(P0600)	CAN:ASR/MSR Data Problem	049(P0411)	SLS Insufficient Flow

DTC	Description	DTC	Description
050(P0420)	CAT System Efficiency	078(P0271)	Injector #4 Short to B+
051(P0442)	Tank Evap. Leakage Signal	079(P0270)	Injector #4 Short GND/Open
052(P0450)	Tank Pressure Sensor	080(P0132)	O2 Sensor Voltage High
053(P0455)	Tank Evap. Strong Leakage	081(P0171)	ShortTerm FT Adaption Error
054(P0443)	Purge Valve Does Not Close	082(P0134)	O2 Sensor not Active
055(P0105)	Intake MAP not plausible	083(P0134)	O2 Sensor too Rich
056(P0325)	Knocking Sensor1(1,2,3) Err	084(P0133)	O2 Sensor Slow Response
057(P0330)	Knocking Sensor2(4,5,6) Err	085(P0135)	HO2 Heater Fault
058(P0340)	Cyl.1 Synchronization Fault	086(P0135)	HO2S Short-Circuit to B+
059(P0600)	CAN:MSR Data TM Problem	087(P0135)	HO2S Short-Circuit GND/OP
060(P0600)	CAN:ASR Data TM Problem	088(P0138)	O2 Sensor #2 Voltage High
062(P1813)	Clutch Switch Defective	089(P0131)	O2 Sensor Voltage Low
063(P0430)	CAT system 2 Efficiency	090(P0137)	O2 Sensor #2 Voltage Low
064(P0351)	No Ign.Output Stage 1	091(P0140)	O2 Sensor #2 too Rich
065(P0352)	No Ign.Output Stage 2	092(P0141)	HO2S #2 Heater Fault
066(P0353)	No Ign.Output Stage 3	093(P0172)	ShortTerm FT Adaption Error
067(P0335)	Crank Shaft Sensor Adaption	094(P0141)	HO2S #2 Short to B+
071(P1609)	Start Signal not Detected	095(P0141)	HO2S #2 Short to GND/Open
072(P0262)	Injector #1 Short to B+	096(P0172)	Lambda Control Rich Stop
073(P0261)	Injector #1 Short GND/Open	097(P0171)	Lambda Control Lean Stop
074(P0265)	injector #2 Short to B+	098(P0172)	LR-LZA above LL Rich
075(P0264)	Injector #2 Short GND/Open	099(P0171)	LR-LZA below LL Lean
076(P0268)	Injector #3 Short to B+	100(P0172)	LR-LZA above TL1 Rich
077(P0267)	Injector #3 Short GND/Open	101(P0171)	LR-LZA below TL1 Lean

DTC	Description	DTC	Description
102(P0172)	LR-LZA above TL2 Rich	136(P0604)	ECU Error(RAM)
103(P0171)	LR-LZA below TL2 Lean	137(P0605)	ECU Error(EPROM)
104(P0120)	Throttle Position(IPS1) Low	138(P0601)	ECU Error(Call Monitoring)
105(P0120)	Throttle Position(IPS1) Hi	139(P0601)	Surbo Motor Control Error
108(P0120)	Throttle Position(IPS2) Low	140(P0601)	Surbo Motor Open/Short
109(P0120)	Throttle Position(IPS2) Hi	141(P1570)	IMMO. Coding Problem
110(P0601)	TPS Actuator or CS Error	142(P0602)	ECU Coding Unmatching
116(P0121)	TPS Actuator Adaption Error	143(P0605)	ECU Error(NVRAM CS)
117(P1590)	Safty Fuel-Cut Time Over	144(P0605)	ECU Error(Coding ID CS)
119(P0121)	TPS Return Spring Defective	145(P0605)	ECU Error(Coding CS)
120(P0601)	Throttle Body Safty Error	146(P0605)	ECU Erro(Programming CS)
121(P0121)	Throttle Body Safty Error	150(P1520)	ABD Input:Short Circuit B+
122(P0120)	Throttle Body Safty Error	151(P1520)	ABD Input:Short Circuit GND
123(P0120)	Body Safty Error	152(P1734)	A/TM Solenoid #2 Open
125(P0120)	Throttle Body Safty Error	153(P1747)	A/TM Solenoid #7 Short
126(P0120)	Throttle Body Safty Error	154(P0707)	Range Sensor Circuit Low
127(P0120)	Throttle Body Safty Error	155(P0708)	Range Sensor Circuit High
129(P0500)	Auto-Cruise Function Error	156(P1739)	A/TM Solenoid #7 Open
130(P0501)	Vehicle Speed Signal Error	157(P1741)	A/TM Solenoid #1 Short
131(P0501)	Vehicle Speed Signal Error	158(P1742)	A/TM Solenoid #2 Short
132(P0564)	Tempomat Control Not Defect	160(P0120)	Pedal Sensor(1) Volt Low
133(P0500)	Cruise Acceleration Error	161(P0120)	Pedal Sensor(1) Volt High
134(P0500)	Cruise Dcceleration Error	162(P0120)	Pedal Sensor(2) Volt Low
135(P0703)	CAN:Brake Light Switch	163(P0120)	Pedal Sensor(2) Volt High

DTC	Description	DTC	Description
164(P0120)	Pedal Sensor 1,2 Different	192(P0274)	Injector #5 Short to B+
167(P0120)	Pedal Sensor 1,2 Error	193(P0273)	Injector #5 Short GND/Open
168(P0706)	A/TM Control Error	194(P0277)	Injector #6 Short to B+
169(P1704)	A/TM Control Error	195(P0276)	Injector #6 Short GND/Open
170(P0741)	A/TM Control Error	198(P0662)	SRV Short-Circuit to B+
171(P1708)	A/TM Control Error	199(P0661)	SRV Short-Circuit to GND/OP
172(P1709)	A/TM Control Error	200(P0152)	O2 Sensor #3 Volt High
173(P0742)	A/TM Control Error	201(P0173)	O2 Sensor #3 Volt Low
174(P1713)	A/TM Control Error	202(P0154)	O2 Sensor #3 Not Active
175(P1722)	A/TM Control Error	203(P0154)	O2 Sensor #3 too Rich
176(P1719)	A/TM Control Error	204(P0153)	O2 Sensor #3 Signal Error
177(P1718)	A/TM Control Error	205(P0155)	HO2S #3 Heater Fault
178(P1717)	A/TM Control Error	206(P0155)	HO2S #3 Short to B+
179(P0731)	A/TM Control Error	207(P0155)	HO2S #3 Short to GND/Open
180(P0732)	A/TM Control Error	208(P0158)	O2 Sensor #4 Volt High
181(P0733)	A/TM Control Error	209(P0151)	O2 Sensor #3 Volt Low
182(P0734)	A/TM Control Error	210(P0157)	O2 Sensor #4 Not Active
183(P1733)	A/TM Control Error	211(P0160)	O2 Sensor #4 too Rich
185(P0120)	HFM/TPS Sensor Error	212(P0161)	HO2S #4 Heater Fault
186(P0601)	ECU Error(CPU<->CPU2)	213(P0175)	LR-KZA Above Rich Threshold
187(P0601)	ECU Error(CPU Comm. Error)	214(P0161)	HO2S #4 Short to B+
188(P0601)	Configuration Fault CPU2	215(P0161)	HO2S #4 Short to GND/Open
189(P0601)	Fault in CPU 2	216(P0175)	Lambda2 Control Rich Stop
190(P0601)	Runtime Fault Between CPUs	217(P0174)	Lambda2 Control Lean Stop

DTC	Description	DTC	Description
218(P0175)	LR2-LZA above LL Rich	237(P0221)	Throttle Body Safty Error
219(P0174)	LR2-LZA below LL Lean	238(P0221)	Throttle Body Safty Error
220(P0175)	LR2-LZA above TL1 Rich	239(P0221)	Throttle Body Safty Error
221(P0174)	LR2-LZA below TL1 Lean	240(P0221)	Throttle Body Safty Error
222(P0175)	LR2-LZA above TL2 Rich	241(P0221)	Throttle Body Safty Error
223(P0174)	LR2-LZA below TL2 Lean	242(P0221)	Throttle Body Safty Error
224(P0650)	Warning Lamp Short to B+	243(P0221)	Throttle Body Safty Error
225(P0650)	Warning Lamp Short GND/Open	244(P0221)	Throttle Body Safty Error
226(P0010)	CAM Actuator Short to B+	245(P0221)	Throttle Body Safty Error
227(P0010)	CAM Actuator Short GND/Open	246(P0221)	Throttle Body Safty Error
231(P0601)	Cruise System Counter Error	247(P0221)	Throttle Body Safty Error
232(P0221)	Throttle Body Safty Error	248(P0221)	Throttle Body Safty Error
233(P0221)	Throttle Body Safty Error	249(P0221)	Throttle Body Safty Error
234(P0221)	Throttle Body Safty Error	250(P0221)	Throttle Body Safty Error
235(P0221)	Throttle Body Safty Error	251(P0221)	Throttle Body Safty Error
236(P0221)	Throttle Body Safty Error	68	MISFIRE (P030x-xx)

*** Rexton TCU TROUBLE CODE LIST**

DTC	Description	DTC	Description
P1702	Throttle Position Sensor Error	P1735	S3(Solenoid #3) Circuit Open
P1703	Engine Speed Sensor Error	P1736	S4(Solenoid #4) Circuit Open
P1704	Shaft Speed Sensor Error	P1737	S5(Solenoid #5) Circuit Open
P1705	Gear Lever Error	P1738	S6(Solenoid #6) Circuit Open
P1706	Mode Selection Switch Error	P1739	S7(Solenoid #7) Circuit Open
P1707	Oil Temperature Sensor Error	P1741	S1(Solenoid #1) Circuit Short
P1708	TCU Supply Voltage Low	P1742	S2(Solenoid #2) Circuit Short
P1709	TCU Supply Voltage High	P1743	S3(Solenoid #3) Circuit Short
P1710	A/C Switch Error	P1744	S4(Solenoid #4) Circuit Short
P1712	Kick-Down Switch Error	P1745	S5(Solenoid #5) Circuit Short
P1713	Acceleration Pedal Error	P1746	S6(Solenoid #6) Circuit Short
P1714	EEPROM Vehicle ID Error	P1747	S7(Solenoid #7) Circuit Short
P1715	VSP Offset Error	P0706	T/M Range Sensor Circuit
P1716	Throttle Not Learnt Error	P0707	T/M Range Sensor Circuit Low
P1717	RAM Error	P0708	T/M Range Sensor Circuit High
P1718	ROM Error	P0710	T/M Fluid Temp. Sensor Circuit
P1719	CAN Bus Error	P0731	Gear 1 Incorrect Ratio
P1720	EEPROM Error	P0732	Gear 2 Incorrect Ratio
P1721	Throttle Signal Error	P0733	Gear 3 Incorrect Ratio
P1722	Vehicle Type Determination Err.	P0734	Gear 4 Incorrect Ratio
P1733	S1(Solenoid #1) Circuit Open	P0741	T/C Clutch Circuit Stuck Off
P1734	S2(Solenoid #2) Circuit Open	P0742	T/C Clutch Circuit Stuck On
P1735	S3(Solenoid #3) Circuit Open	P0790	W/N/P Mode Switch Circuit

*** Rexton ABS TROUBLE CODE LIST**

DTC	Description
0035	LF WHEEL SPEED SENSOR MALFUNCTION
0040	RF WHEEL SPEED SENSOR MALFUNCTION
0045	LR WHEEL SPEED SENSOR MALFUNCTION
0050	RR WHEEL SPEED SENSOR MALFUNCTION
0060	LF SOLENOID or MOTOR #1 (AV)
0065	LF SOLENOID or MOTOR #2 (EV)
0070	RF SOLENOID or MOTOR #1 (AV)
0075	RF SOLENOID or MOTOR #2 (EV)
0080	LR SOLENOID or MOTOR #1 (AV)
0085	LR SOLENOID or MOTOR #2 (EV)
0090	RR SOLENOID or MOTOR #1 (AV)
0095	RR SOLENOID or MOTOR #2 (EV)
0110	PUMP MOTOR CIRCUIT MALFUNCTION
0121	VALVE RELAY CIRCUIT MALFUNCTION
0141	TCS SOLENOID CIRCUIT(ASV1)
0146	TCS SOLENOID CIRCUIT(USV1)
0161	ABS BRAKE SWITCH MALFUNCTION
0245	WHEEL SPEED SENSOR FREQUENCY ERR
0550	ECU MALFUNCTION
0800	DEVICE POWER #1 CIRCUIT MALFUNC
0930	Longitudinal Acceleration Sensor
0931	Overheating

*** REXTON AIR BAG(Siemens) TROUBLE CODE LIST**

DTC	Trouble List	DTC	Trouble List
01	DRIVER F/AIRBAG RESISTANCE HIGH	80	DRIVER S/AIRBAG SHORT B+/OPEN
02	DRIVER F/AIRBAG RESISTANCE LOW	81	DRIVER S/AIRBAG SHORT GND/OPEN
03	DRIVER F/AIRBAG SHORT TO GND	82	DRIVER S/AIRBAG COMM. FAULT
04	DRIVER F/AIRBAG SHORT TO B+	83	DRIVER S/AIRBAG DEFECT
05	PASS. F/AIRBAG RESISTANCE HIGH	84	PASS. S/AIRBAG SHORT B+/OPEN
06	PASS. F/AIRBAG RESISTANCE LOW	85	PASS. S/AIRBAG SHORT GND/OPEN
07	PASS. F/AIRBAG SHORT TO GND	86	PASS. S/AIRBAG COMM. FAULT
08	PASS. F/AIRBAG SHORT TO B+	87	PASS. S/AIRBAG DEFECT
09	DRIVER BELTPRETENSIONER R/HIGH	23	BATTERY VOLTAGE TOO HIGH
10	DRIVER BELTPRETENSIONER G/LOW	24	BATTERY VOLTAGE TOO LOW
11	DRIVER BELTPRETENSIONER S/GND	25	WARNING LAMP FAULT
12	DRIVER BELTPRETENSIONER S/B+	30	NOT DEFINE CODE
13	PASS. BELTPRETENSIONER R/HIGH	31	SDM INTERNAL FAULT(REPLACE SDM)
14	PASS BELTPRETENSIONER R/LOW	32	CRASH FRONT RECORDED FAULT
15	PASS. BELTPRETENSIONER S/GND	33	CRASH SIDE DRIVER RECORDED
16	PASS. BELTPRETENSIONER S/B+	34	CRASH SIDE PASS. FRONT RECORDED
52	DRIVER S/AIRBAG RESISTANCE HIGH	35	CRASH BELTPRETENSIONER
53	DRIVER S/AIRBAG RESISTANCE LOW	38	REUSE NO. EXCEED(REPLACE SDM)
54	DRIVER S/AIRBAG SHORT TO GND		
55	DRIVER S/AIRBAG SHORT TO B+		
56	PASS. S/AIRBAG RESISTANCE HIGH		
57	PASS S/AIRBAG RESISTANCE LOW		
58	PASS. S/AIRBAG SHORT TO GND		