



TECHNICAL SIDEBAR

New Mexico Corvette Association

Apr 26, 2013

LS Series Engine Trouble Codes

DTC	Descriptor
P0101	Mass Air Flow System Performance
P0102	MAF Sensor Circuit Low Frequency
P0103	MAF Sensor Circuit High Frequency
P0106	Manifold Absolute Pressure (MAP) Sensor Performance
P0107	MAP Sensor Circuit Low Voltage
P0108	MAP Sensor Circuit High Voltage
P0112	IAT Sensor Circuit Low Voltage
P0113	IAT Sensor Circuit High Voltage
P0116	Engine Coolant Temperature (ECT) Sensor Performance
P0117	ECT Sensor Circuit Low Voltage
P0118	ECT Sensor Circuit High Voltage
P0121	TP Sensor Performance
P0122	TP Sensor Circuit Low Voltage
P0123	TP Sensor Circuit High Voltage
P0125	ECT Excessive Time to Closed Loop
P0128	Engine Coolant Temperature (ECT) Below Thermostat Regulating Temperature
P0131	HO2S Circuit Low Voltage Bank 1 Sensor 1
P0132	HO2S Circuit High Voltage Bank 1 Sensor 1
P0133	HO2S Circuit Slow Response Bank 1 Sensor 1
P0134	HO2S CKT Insufficient Activity Bank 1 Sensor 1
P0135	HO2S Heater Circuit Bank 1 Sensor 1
P0137	HO2S Circuit Low Voltage
P0138	HO2S Circuit High Voltage
P0140	HO2S Circuit Insufficient Activity
P0141	HO2S Heater Performance
P0143	HO2S Circuit Low Voltage Bank 1 Sensor 3 (post converter)
P0144	HO2S Circuit High Voltage Bank 1 Sensor # (post converter)
P0146	HO2S Circuit Insufficient Activity Bank 1 Sensor 3 (post converter)
P0147	HO2S Heater Circuit Bank 1 Sensor 3 (post converter)
P0151	HO2S Circuit Low Voltage Bank 2 Sensor 1
P0152	HO2S Circuit High Voltage Bank 2 Sensor 1
P0153	HO2S Circuit Slow Response Bank 2 Sensor 1
P0154	HO2S Circuit Insufficient Activity Bank 2 Sensor 1
P0155	HO2S Heater Circuit Bank 2 Sensor 1

P0157	HO2S Circuit Low Voltage	P0453	Fuel Tank Pressure Sensor Circuit High Voltage
P0158	HO2S Circuit High Voltage	P0461	Fuel Level Sensor Performance
P0160	HO2S Circuit Insufficient Activity	P0462	Fuel Level Sensor Low Voltage
P0161	HO2S Heater Performance	P0463	Fuel Level Sensor High Voltage
P0171	Fuel Trim System Lean Bank 1	P0480	Cooling Fan Relay 1 Control Circuit
P0172	Fuel Trim System Rich Bank 1	P0481	Cooling Fan Relay 2 and 3 Control Circuit
P0174	Fuel Trim System Lean Bank 2	P0500	Vehicle Speed Sensor (VSS) Circuit
P0175	Fuel Trim System Rich Bank 2	P0502	Vehicle Speed Sensor (VSS) Circuit Low Input
P0200	Injector Control Circuit	P0503	Vehicle Speed Sensor (VSS) Circuit Intermittent
P0201	Injector 1 Control Circuit	P0506	Idle Control System Low RPM
P0202	Injector 2 Control Circuit	P0507	Idle Control System High RPM
P0203	Injector 3 Control Circuit	P0522	Engine Oil Pressure Sensor Circuit Low Voltage
P0204	Injector 4 Control Circuit	P0523	Engine Oil Pressure Sensor Circuit High Voltage
P0205	Injector 5 Control Circuit	P0530	A/C Refrigerant Pressure Sensor Circuit
P0206	Injector 6 Control Circuit	P0560	System Voltage
P0218	Transmission Fluid Over Temperature	P0562	System Voltage Low
P0230	Fuel Pump relay Control Circuit	P0563	System Voltage High
P0300	Engine Misfire Detected	P0567	Cruise Control Resume Switch Circuit
P0325	Knock Sensor System	P0568	Cruise Control Set Switch Circuit
P0327	Knock Sensor Circuit Bank 1	P0571	Cruise Control Brake Switch Circuit
P0332	Knock Sensor Circuit Bank 2	P0601	PCM Memory
P0335	Crankshaft Position (CKP) Sensor Circuit	P0602	PCM Not Programmed
P0336	18x Reference Signal Circuit	P0603-P0607	PCM Malfunction
P0341	CMP Sensor Circuit Performance	P0608	Vehicle Speed Output Circuit
P0342	Camshaft Position (CMP) Sensor Circuit Low Voltage	P0645	AC Clutch Relay Control Circuit
P0343	Camshaft Position (CMP) Sensor Circuit High Voltage	P0650	Malfunction Indicator Lamp Control Circuit
P0351—P0358	Ignition Coil Control Circuit	P0654	Engine Speed Output Circuit
P0401	EGR System Flow Insufficient	P0704	Clutch Anticipate Switch Circuit
P0403	EGR Solenoid Control Circuit	P0705	Trans Range Switch Circuit
P0404	EGR System Performance	P0706	Trans Range Switch Performance
P0405	EGR Pintle Position Circuit Low Voltage	P0711	Transaxle Fluid Temperature (TFT) Sensor Circuit Performance
P0410	Secondary Air Injection (AIR) System	P0712	Transaxle Fluid Temperature (TFT) Sensor Circuit - Low Signal
P0418	Secondary Air Injection (AIR) Pump Relay Control Circuit	P0713	Transaxle Fluid Temperature (TFT) Sensor Circuit - High Signal
P0420	TWC System Low Efficiency	P0716	Automatic Transmission Input (Shaft) Speed Sensor Circuit Performance
P0421—P0430	Catalyst System Low Efficiency	P7017	Automatic Transmission Inut (Shaft) Speed Sensor No Input
P0440	EVAP Emission System	P0719	Brake Switch Circuit Low
P0442	EVAP Emission System Small Leak Detected	P0724	Brake Switch Circuit High
P0443	EVAP Emission Purge Solenoid Control Circuit	P0730	Incorrect Gear Ratio
P0446	EVAP Vent System Performance		
P0449	EVAP Vent Solenoid Control Circuit		
P0452	Fuel Tank Pressure Sensor Circuit Low Voltage		

P0740	TCC Enable Solenoid Circuit Electrical	P1380	EBCM DTC Rough Data Unstable
P0741	Torque Converter Clutch System Stuck Off	P1381	Misfire Detected No EBCM/PCM Serial Data
P0742	Torque Converter Clutch System Stuck On	P1404	EGR Valve Closed Pintle Position
P0748	Pressure Control Solenoid Valve Circuit Malfunction	P1415	Secondary Air Injection System
P0751	Shift Solenoid 1 - Performance/Stuck Off	P1416	Secondary Air Injection System
P0752	1-2 Shift Solenoid Valve Performance—no second or third gear	P1431	Fuel Level Sensor 2 Performance
P0753	Shift Solenoid 1 - Electrical	P1432	Fuel Level Sensor 2 Circuit Low Voltage
P0756	Shift Solenoid 2 - Performance/Stuck On	P1433	Fuel Level Sensor 2 Circuit High Voltage
P0757	2-3 Shift Solenoid Valve Performance—no third or fourth gear	P1441	EVAP System Flow During Non-Purge
P0758	Shift Solenoid 2 - Electrical	P1514	Throttle Body Performance
P0785	3-2 Shift Solenoid Circuit Electrical	P1515	Control Module Throttle Actuator Position Performance
P0801	Reverse Inhibit Solenoid Control Circuit	P1516	Throttle Actuator Control Module Throttle Actuator Position Performance
P0803	Skip Shift Solenoid Control Circuit	P1517	Throttle Actuator Control Module Performance
P0804	Skip Shift Lamp Circuit	P1518	Throttle Actuator Control Module Serial Data Circuit
P1106	MAP Sensor CKT Intermittent High Voltage	P1539	AC Clutch Feedback Circuit High Voltage
P1107	MAP Sensor CKT Intermittent Low Voltage	P1546	AC Clutch Feedback Circuit Low Voltage
P1111	IAT Sensor CKT Intermittent High Voltage	P1554	Cruise Control Status Circuit
P1112	IAT Sensor KCKT Intermittent Low Voltage	P1571	Powertrain indicated Traction Control Malfunction
P1114	ECT Sensor CKT Intermittent Low Voltage	P1574	Stoplight Switch Circuit
P1115	ECT Sensor CKT Intermittent High Voltage	P1575	Extended Travel Brake Switch Circuit
P1120	Throttle Position (TP) Sensor 1 Circuit	P1600	ECU Malfunction
P1121	TP Sensor CKT Intermittent High Voltage	P1621	ECU Malfunction
P1122	TP Sensor CKT Intermittent Low Voltage	P1626	Theft Deterrent System Fuel Enable Signal Lost
P1125	Accelerator Pedal Position System	P1627	ECU Malfunction
P1133	HO2S Insufficient Switching Bank 1 Sensor 1	P1629	Theft Deterrent Crank Signal Malfunction
P1134	HO2S Transition Time Ratio Bank 1 Sensor 1	P1630	Theft Deterrent Learn Mode Active
P1153	HO2S Insufficient Switching Bank 2 Sensor 1	P1631	Theft Deterrent Start Enable Signal Not Correct
P1154	HO2S Transition Time Ratio Bank 2 Sensor 1	P1635	5 Volt Reference (A) Circuit
P1220	Throttle Position (TP) Sensor 2 Circuit	P1637	Generator L-Terminal Circuit
P1221	Throttle Position (TP) Sensor 1-2 Correlation	P1638	Generator F-Terminal Circuit
P1258	Engine Coolant Over temperature - Protection Mode Active	P1639	5 Volt Reference (B) Circuit
P1275	Accelerator Pedal Position (APP) Sensor 1 Circuit	P1641	A/C Relay Control Circuit
P1276	Accelerator Pedal Position Sensor 1 Performance	P1651	Fan 1 Relay Control Circuit
P1280	Accelerator Pedal Position Sensor 2 Circuit	P1652	Fan 2 & 3 Relay Control Circuit
P1281	Accelerator Pedal Position Sensor 2 Performance	P1653	Fuel Level Output Control Circuit
P1285	Accelerator Pedal Position Sensor 3 Circuit	P1662	Cruise Control Inhibit Control Circuit
P1286	Accelerator Pedal Position Sensor 3 Performance	P1663	Generator Lamp Control Circuit
P1336	CKP System Variation Not Learned	P1665	EVAP Vent Solenoid Control Circuit
P1351	IC Circuit Open	P1671	MIL Control Circuit
P1352	Bypass Circuit Open	P1672	Low Engine Oil Level Lamp Control Circuit
P1361	IC Circuit Not Toggling	P1676	EVAP Canister Purge Solenoid Control CKT
P1362	Bypass Circuit Shorted	P1680	ECU Malfunction
P1374	3X Reference Circuit	P1681	ECU Malfunction
		P1683	ECU Malfunction



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- P1810 Auto Transmission Fluid Pressure Manual Valve Position Switch Malfunction
- P1811 Maximum Adapt and Long Shift
- P1860 Torque Converter Clutch PWM Solenoid Circuit
- P1870 Transmission Component Slipping
- P1887 TCC Release Switch Malfunction
- P2610 ECU Malfunction
- U1000 Class 2 Communication Malfunction
- U1001-U1254 Lost Communication with XXX
- U101 Class 2 Data Link Shorted
- U1255 Class 2 Communication Malfunction
- U1300 Class 2 Data Link Shorted
- U1305 Class 2 Data Link Shorted
- C1277 Powertrain indicated Traction Control Malfunction
- C1278 TCS Temporarily inhibited by PCM
- C1281 VSES Sensors Uncorrected
- C1282 Taw Rate Sensor Bias Circuit Malfunction
- C1284 Lateral Accelerometer Circuit
- C1285 Lateral Accelerometer Circuit
- C1286 VSES Sensors Uncorrected
- C1287 Steering Position Sensor Circuit
- C1288 Steering Position Sensor Circuit
- C1291 Open Brake Lamp Switch Contacts During Deceleration
- C1292 Master Cylinder Pressure Sensor Circuit
- C1293 Master Cylinder Pressure Sensor Circuit
- C1294 Brake Lamp Switch Circuit Always Active
- C1295 Brake Lamp Switch Circuit Open
- C1296 Master Cylinder Pressure Sensor Circuit