OBD Codes and Explanations Chevrolet LT1 6,2l	
OBD Code(s)	**Description/Feature**
P0010, P2088, or P2089	Camshaft Position Actuator Circuit/System
P0011	Camshaft Position Timing Over-Advanced or System Performance
P0016	Crankshaft Position - Camshaft Position Correlation
P0030-P0032, P0036-P0038, P0050-P0054, P0056-P0060, P0135, P0141, P0155, or P0161	Oxygen Sensor Heater Circuit Malfunctions
P0068 or P1101	Throttle Body Airflow Performance
P0089, P228C, or P228D	Fuel Pressure Regulator or Control System Issues
P0090-P0092, P00C8, P00C9, or P00CA	Fuel Pump Control Module or Related Malfunctions
P0096 or P0111	Intake Air Temperature Sensor Circuit Range/Performance
P0097, P0098, or P0099	Intake Air Temperature Sensor High or Low Input
P00C6	Manifold Absolute Pressure Sensor Performance
P00C7	Manifold Absolute Pressure Sensor Intermittent
P00F4-P00F6	Fuel Level Sensor Performance
P00FF, P069E, P06EC, P0700, P0800, P0A7B, P0AC4, P0CA1, P1700, P1E00, P2561, P25A2, P25AF, P25C9, P26C8, or P26C9	Multiple Powertrain Control Module (PCM) and System Malfunctions
P0101	Mass Air Flow (MAF) Sensor Performance
P0102 or P0103	Mass Air Flow (MAF) Sensor Circuit Low or High Input
P0106	Manifold Absolute Pressure/Barometric Pressure Circuit Performance
P0107 or P0108	Manifold Absolute Pressure/Barometric Pressure Circuit Low or High Input
P0112, P0113, or P0114	Intake Air Temperature Sensor Circuit Issues
P0116	Engine Coolant Temperature Circuit Range/Performance
P0117, P0118, or P0119	Engine Coolant Temperature Circuit Low or High Input
P0121-P0123, P0222, P0223, P16A0-P16A2, or P2135	Throttle Position Sensor/Switch Circuit Malfunctions

P0128	Engine Coolant Temperature Below Thermostat Regulating Temperature
P0131, P0132, P0137, P0138, P0151, P0152, P0157, or P0158	Oxygen Sensor Circuit Malfunctions
P0133, P013A-P013F, P014A, P014B, P0153, P015A-P015D, P1133, P1153, or P2270-P2273	Oxygen Sensor Circuit Slow Response
P0171, P0172, P0174, or P0175	System Too Lean or Too Rich
P018B-P018D (Chassis Control Module)	Fuel Level Sensor Circuit Performance
P0191	Fuel Rail Pressure Sensor Performance
P0192 or P0193	Fuel Rail Pressure Sensor Low or High Input
P0201-P0208, P0261, P0262, P0264, P0265, P0267, P0268, P0270, P0271, P0273, P0274, P0276, P0277, P0279, P0280, P0282, or P0283	Fuel Injector Circuit Malfunctions
P0231, P0232, or P023F (Chassis Control Module)	Fuel Pump Secondary Circuit Issues
P025A (Chassis Control Module)	Fuel Pump Module Control Circuit
P0300-P0308	Cylinder Misfire Detected
P0315	Crankshaft Position Variation Not Learned
P0324, P0326, P0331, P06B6, or P06B7	Knock Sensor Circuit Malfunctions
P0325, P0327, P0328, P0330, P0332, or P0333	Knock Sensor Circuit High or Low Input
P0335 or P0336	Crankshaft Position Sensor Malfunctions
P0340 or P0341	Camshaft Position Sensor Circuit Malfunctions
P0351-P0358, P2300, P2301, P2303, P2304, P2306, P2307, P2309, P2310, P2312, P2313, P2315, P2316, P2318, P2319, P2321, or P2322	Ignition Coil Circuit Malfunctions
P0420 or P0430	Catalyst System Efficiency Below Threshold

OBD-code(er)	**Description/Feature**
P0443, P0458, P0459	Failure of the control circuit of the Evaporative Control System (EVAP) valve.
P0446	Failure of the EVAP ventilation control circuit, often related to blockage or malfunction of the valve.

P0449, P0498, P0499	Problems with the EVAP system's valve circuit, such as a short circuit or voltage failure.
P0451-P0454	Faults related to the EVAP system's pressure sensor (abnormal signals or circuit failures).
P0455	Leak in the EVAP system (large leak detected).
P0496	Abnormally high EVAP flow detection, often related to a defective valve.
P0506, P0507	Idle speed lower (P0506) or higher (P0507) than expected.
P050D	Cold Start Rough Idle. Possible causes include faulty spark plugs, ignition coils, intake system issues, or PCM software updates required.
P057B	Brake Pedal Position Sensor Circuit Range/Performance. Possible causes include faulty brake pedal position sensor, wiring issues, or PCM malfunction.
P057C	Brake Pedal Position Sensor Circuit Low. Possible causes include a short to ground in wiring, faulty sensor, or PCM issues.
P057D	Brake Pedal Position Sensor Circuit High. Possible causes include a short to power in wiring, faulty sensor, or PCM issues.
P057E	Brake Pedal Position Sensor Circuit Intermittent. Possible causes include loose or damaged wiring, faulty sensor, or intermittent PCM communication.
P0601-P0604, P0606, P062B, P062F, P0630, P16F3, P262B	Failure of the control module (ECM), memory failure, or failure of control circuits.
P0628	Fuel pump control circuit (low voltage problem).
P0641, P0651, P0697, P06A3	Sensor supply circuit 1 or 2 (open or shorted).
P0641	Sensor reference voltage 'A' circuit/open. Possible causes include wiring issues, faulty sensor, PCM malfunction, or corroded/loose connectors.
P06A6	Sensor reference voltage 'C' circuit/open. Similar causes to P0641 but specific to the 'C' circuit.
P0650	Malfunction Indicator Lamp (MIL) control circuit. Possible causes are faulty MIL bulb or LED, wiring issues, or PCM malfunction.
P263A	Torque management feedback signal 'A'. Possible causes include a faulty PCM or TCM, torque sensor issues, or transmission system malfunction.
P263B	Torque management feedback signal 'B'. Similar to P263A but specific to a different signal circuit.

P0685-P0687, P0689, P0690, P1682	Fault in the ECM relay control circuit (no voltage or signal).
P0700	General failure of the transmission control system.
P1248-P124F	Faults related to the fuel pressure sensor or injection system.
P1255, P064A	Coolant temperature sensor problems (interruption or short circuit).
P127C	Fuel Rail Pressure Sensor Circuit Low. Possible causes include faulty fuel pressure sensor, wiring issues, or fuel pump malfunction.
P127D	Fuel Rail Pressure Sensor Circuit High. Possible causes include wiring short to power, faulty sensor, or PCM issues.
P135A	Ignition Coil A Primary Control Circuit Open. Possible causes include faulty ignition coil, open circuit, or PCM malfunction.
P135B	Ignition Coil B Primary Control Circuit Open. Similar to P135A but specific to coil B.
P138	Knock Sensor Circuit High Input. Possible causes include a faulty knock sensor, wiring short, or ECM/PCM malfunction.
P1381	Variable Valve Timing (VVT) Over-Advanced Bank 1. Possible causes include a faulty VVT actuator, oil pressure issues, or PCM malfunction.
P1400	EGR Valve Position Sensor Circuit Low Input. Possible causes include a faulty EGR valve, wiring issues, or PCM problems.
P135A	Ignition Coil A Primary Control Circuit Open. Possible causes include a faulty ignition coil, open circuit, or PCM malfunction.
P135B	Ignition Coil B Primary Control Circuit Open. Similar to P135A but specific to coil B.
P138	Knock Sensor Circuit High Input. Possible causes include a faulty knock sensor, wiring short, or ECM/PCM malfunction.
P1381	Variable Valve Timing (VVT) Over-Advanced Bank 1. Possible causes include a faulty VVT actuator, oil pressure issues, or PCM malfunction.
P1400	EGR Valve Position Sensor Circuit Low Input. Possible causes include a faulty EGR valve, wiring issues, or PCM problems.
P150C	Electric accelerator pedal or air intake control problems.
P1516, P2101, P2119, P2176	Malfunction of the Gas Control Unit (ETC) Control Circuit or Recovery Modes.
P159F, P15A0, P15A1	Malfunction of the Multifunction Switch Console or its Control Circuit.
P163A	Oil consumption sensor or related control circuit failure.

P2096-P2138	Malfunction of the oxygen sensor or accelerator pedal position sensor (e.g. voltage problems).
P2147-P2157, P216B -P216F, P217B-P217F	Injection system electrical circuit fault (low/high voltage fault).
P2199	Intake Air Temperature Sensor 1/2 Correlation. This code indicates a mismatch or unexpected deviation between the signals from Intake Air Temperature Sensor 1 and Sensor 2.
P219A or P219B	Air/fuel ratio outside specified limits (too lean or too oily).
P2227-P2230	Barometric pressure sensor or NOx sensor failure.
P2544	Torque converter clutch pressure control malfunction.
P2548	Fuel pump control system malfunction.
P2615 or P2616	Crankshaft position sensor malfunction (interruption or short circuit).
P2635	Fuel pump flow control shows incorrect values.
P2636	Malfunction in the drive system control (may be related to the fuel system).
P3400	Cylinder shut-off system control malfunction (common in V6 and V8 engines).
P3401-P3452	Faults in cylinder shutdown actuation or control circuits.