

## G - TESTS W/CODES

### Selected Block

1996 Lexus LS 400

For Lextreme Powertrain 2020 S. Hacienda Blvd. # D Hacienda Heights California 91745

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#### DIAGNOSTIC TROUBLE CODE (DTC) IDENTIFICATION TABLE

Code	System Affected	Possible Cause
P0100	..... Mass Airflow (MAF) Sensor Circuit .....	Open/Short Circuit, MAF Sensor Or ECM
P0101 (1)	... MAF Circuit Range/ Performance Problem .....	MAF Sensor
P0110	..... Intake Air Temperature (IAT) Sensor Circuit .....	Open/Short Circuit, IAT Sensor Or ECM
P0115	..... Engine Coolant Temperature (ECT) Sensor .....	Open/Short Circuit, ECT Sensor Or ECM
P0116 (1)	... Engine Coolant Temperature (ECT) Sensor .....	ECT Sensor Or Cooling System
P0120	..... Throttle Position (TP) Sensor .....	Open/Short Circuit, TP Sensor Or ECM
P0121 (1)	... Throttle Position (TP) Sensor .....	TP Sensor
P0125	..... Insufficient Coolant Temperature For Closed Loop .....	Open/Short Circuit Or HO2S
P0130 (1)	... Heated Oxygen Sensor Circuit (Bank 1, Sensor 1) (2) .....	HO2S Or Fuel Trim Malfunction
P0133 (1)	... Heated Oxygen Sensor Circuit Slow Response (Bank 1, Sensor 1) (2) .....	HO2S
P0135 (1)	... Heated Oxygen Sensor Heater Circuit (Bank 1, Sensor 1) (2) .....	Open/Short In Heater Circuit, HO2S Or ECM
P0136 (1)	... Heated Oxygen Sensor Circuit (Bank 1, Sensor 2) (2) .....	HO2S
P0141 (1)	... Heated Oxygen Sensor Heater Circuit (Bank 1, Sensor 2) (2) .....	Open/Short In Heater Circuit, HO2S Or ECM
P0150 (1)	... Heated Oxygen Sensor Circuit (Bank 2, Sensor 1) (2) .....	HO2S Or Fuel Trim Malfunction
P0153 (1)	... Heated Oxygen Sensor Circuit Slow Response (Bank 2, Sensor 1) (2) .....	HO2S
P0155 (1)	... Heated Oxygen Sensor Heater Circuit (Bank 2, Sensor 1) (2) .....	Open/Short In

			Heater Circuit, HO2S Or ECM
P0156	(1)	..... Heated Oxygen Sensor Heater Circuit (Bank 2, Sensor 2) (2)	..... HO2S
P0161	(1)	..... Heated Oxygen Sensor Heater Circuit (Bank 2, Sensor 2) (2)	..... Open/Short In Heater Circuit, HO2S Or ECM
P0171	(1)	..... Fuel Trim Malfunction	..... Too Lean
P0172	(1)	..... Fuel Trim Malfunction	..... Too Rich
P0300		..... Random Misfire Detected	..... Ignition, EGR, Fuel System Or Engine Mechanical
P0301	(1)	..... Cylinder No. 1 Misfire Detected	..... Ignition System, Fuel System Or Engine Mechanical
P0302	(1)	..... Cylinder No. 2 Misfire Detected	..... Ignition System, Fuel System Or Engine Mechanical
P0303	(1)	..... Cylinder No. 3 Misfire Detected	..... Ignition System, Fuel System Or Engine Mechanical
P0304	(1)	..... Cylinder No. 4 Misfire Detected	..... Ignition System, Fuel System Or Engine Mechanical
P0305	(1)	..... Cylinder No. 5 Misfire Detected	..... Ignition System, Fuel System Or Engine Mechanical
P0306	(1)	..... Cylinder No. 6 Misfire Detected	..... Ignition System, Fuel System Or Engine Mechanical
P0307	(1)	..... Cylinder No. 7 Misfire Detected	..... Ignition System, Fuel System Or Engine Mechanical
P0308	(1)	..... Cylinder No. 8 Misfire Detected	..... Ignition System, Fuel System Or Engine Mechanical
P0325		..... Knock Sensor No. 1 (Right Bank) Circuit Malfunction	.... Open/Short Circuit, Loose Sensor Or ECM
P0330	(1)	..... Knock Sensor No. 2 (Left Bank) Circuit Malfunction	..... Open/Short Circuit, Loose Sensor Or ECM
P0335	(1)	..... Crankshaft Position (CKP) Sensor Circuit	..... Open/Short Circuit, CKP Sensor, Starter Or ECM
P0336	(1)	..... Crankshaft Position (CKP) Sensor Circuit/Range Performance	..... Stretched Or

			Defective Timing Belt Or ECM
P0401 (1)	.....	Insufficient EGR Flow Detected .....	Open/Short EGR Circuit Or ECM
P0402 (1)	.....	Excessive EGR Flow Detected .....	Open/Short EGR Circuit Or ECM
P0403 (1)	.....	EGR Circuit Malfunction .....	Open/Short EGR Circuit Or ECM
P0420 (1)	.....	Catalyst System Efficiency Below Threshold .....	Catalytic Converter, Oxygen Sensor Or Circuit
P0430 (1)	.....	Catalyst System Efficiency Below Threshold (Bank 2) ...	Catalytic Converter, Oxygen Sensor Or Circuit
P0440 (1)	.....	EVAP System Malfunction .....	Vapor Pressure Sensor Or Circuit, Charcoal Canister Or Faulty Vacuum Circuit
P0441 (1)	.....	Incorrect EVAP Purge Flow .....	Open/Short Purge Control Circuit, Charcoal Canister Or Faulty Vacuum Circuit
P0446 (1)	.....	EVAP Vent Control Malfunction .....	Open/Short VSV Circuit, Charcoal Canister Or Faulty Vacuum Circuit
P0450 (1)	.....	EVAP Pressure Sensor Malfunction .....	Open/Short Vapor Pressure Sensor Circuit Or ECM
P0500 (1)	.....	Vehicle Speed Sensor Malfunction .....	Vehicle Speed Sensor Or Circuit, Instrument Cluster Or ECM
P0505 (1)	.....	Idle Control System Malfunction .....	IAC Valve Or Circuit, A/C Idle-Up VSV Or Air Intake Hose
P0510 (1)	.....	Closed Throttle Position Switch Malfunction .....	Closed Throttle Position Switch/Circuit Or ECM
P1100	.....	Barometric Pressure Sensor Circuit .....	ECM
P1200 (1)	.....	Fuel Pump Relay Circuit .....	Open/Short Relay Circuit Or ECM

P1300	..... Ignitor Circuit Malfunction	..... Ignitor Circuit To ECM, Ignitor Or ECM
P1305	..... Ignitor Circuit Malfunction (Bank 2)	..... Ignitor Circuit To ECM, Ignitor Or ECM
P1335	..... Crankshaft Position (CKP) Sensor Circuit (Engine Running)	..... Open/Short CKP Sensor Circuit Or ECM
P1400	..... Sub-Throttle Position Sensor Circuit	..... Open/Short Sub-Throttle Position Sensor Circuit Or ECM
P1401 (1)	..... Sub-Throttle Position Sensor Malfunction	..... Sub-Throttle Position Sensor
P1500	..... Starter Signal Circuit Malfunction	..... Starter Signal Circuit, Ignition Switch, Starter Relay Or ECM
P1600	..... ECM BATT Malfunction	..... ECM Power Source Circuit Or ECM
P1605	..... Knock Control ECM Malfunction	..... ECM
P1780 (1)	.... Park/Neutral Position Switch Malfunction	..... Park/Neutral Position Switch/Circuit Or ECM

- (1) - Two-trip detection logic code. For more information, see TWO-TRIP DETECTION LOGIC under INTRODUCTION.
- (2) - Bank 1 refers to bank that includes cylinder No. 1. Bank 2 refers to bank without cylinder No. 2. Sensor 1 refers to sensor closest to engine block.