
Diagnostic Report

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VIN: JTJHT00W064006698

Manufacturer: Lexus

Model: LX470

Option: 4.7 L

Year: 2006

Monitor Status Report

Name	Continuous	Available	Complete
Misfire	Yes	Yes	Yes
Fuel System	Yes	Yes	Yes
Components	Yes	Yes	Yes
Catalyst	No	Yes	Yes
Heated Catalyst	No	No	No
Evap System	No	Yes	Yes
Secondary Air System	No	Yes	Yes

AC Refrigerant	No	No	No
Oxygen Sensor	No	Yes	Yes
Oxygen Sensor Heater	No	No	No
EGR System	No	No	No

MIL On

Number of Confirmed Codes: 2

Readiness Standard: None

This vehicle is not ready for emissions testing.**Reason**

- MIL On
- Confirmed trouble codes have been detected

Trouble Code Report

ECU	Code	Type	Status	Description
7E0	P0172	PowerTrain	Confirmed	System too Rich (Fuel Trim)
7E0	P0175	PowerTrain	Confirmed	System too Rich (Bank2)
7E0	P0172	PowerTrain	Pending	System too Rich (Fuel Trim)
7E0	P0175	PowerTrain	Pending	System too Rich (Bank2)
Cruise Control	P0172	PowerTrain	Historical	System too Rich (Fuel Trim)
Cruise Control	P0175	PowerTrain	Historical	System too Rich (Bank2)

Additional Information

PID	Description	Value	Units
SAE 0x21	Distance traveled while MIL is activated	18.64	miles
SAE 0x4D	Engine run time run while MIL is activated	170	min
SAE 0x30	Number of warm-ups since DTCs cleared	10	
SAE 0x31	Distance traveled since DTCs cleared	212.51	miles
SAE 0x4E	Engine run time since DTCs cleared	534	min

Mode \$01 – Powertrain Diagnostic Data

PID	Description	Value	Units
SAE 0x03	Fuel system 1 status	1	
SAE 0x03	Fuel system 2 status	1	
SAE 0x04	Calculated load value	0	%
SAE 0x05	Engine coolant temperature	195.8	F
SAE 0x06	Short term fuel % trim – Bank 1	0	%
SAE 0x07	Long term fuel % trim – Bank 1	-25.78	%
SAE 0x08	Short term fuel % trim – Bank 2	0	%
SAE 0x09	Long term fuel % trim – Bank 2	-26.56	%
SAE 0x0C	Engine RPM	0	RPM
SAE 0x0D	Vehicle speed	0	MPH
SAE 0x0E	Ignition timing advance for #1 cylinder	5	deg
SAE 0x0F	Intake air temperature	136.4	F

SAE 0x10	Mass air flow rate	0.25	lb/min
SAE 0x11	Absolute throttle position	19.22	%
SAE 0x12	Commanded secondary air status	0	
SAE 0x13	Location of oxygen sensors	51	
SAE 0x15	O2 voltage (Bank 1, Sensor 2)	0	V
SAE 0x15	Short term fuel trim (Bank 1, Sensor 2)	99.22	%
SAE 0x19	O2 voltage (Bank 2, Sensor 2)	0	V
SAE 0x19	Short term fuel trim (Bank 2, Sensor 2)	99.22	%
SAE 0x1C	OBD requirements to which vehicle or engine is certified	1	
SAE 0x1F	Time since engine start	0	sec
SAE 0x21	Distance traveled while MIL is activated	18.64	miles
SAE 0x24	O2 sensor lambda (Bank 1, Sensor 1)	1	
SAE 0x24	O2 sensor voltage wide range (Bank 1, Sensor 1)	3.29	V
SAE 0x28	O2 sensor lambda (Bank 2, Sensor 1)	1	
SAE 0x28	O2 sensor voltage wide range (Bank 2, Sensor 1)	3.3	V
SAE 0x2E	Commanded evaporative purge	0	%
SAE 0x30	Number of warm-ups since DTCs cleared	10	
SAE 0x31	Distance traveled since DTCs cleared	212.51	miles
SAE 0x33	Barometric pressure	28.94	inHg
SAE 0x3C	Catalyst temperature (Bank 1 Sensor 1)	600.44	F
SAE 0x3D	Catalyst temperature (Bank 2 Sensor 1)	600.44	F
SAE 0x3E	Catalyst temperature (Bank 1 Sensor 2)	554	F
SAE 0x3F	Catalyst temperature (Bank 2 Sensor 2)	554	F

SAE 0x42	Control module voltage	12.54	V
SAE 0x43	Absolute load value	0	%
SAE 0x44	Fuel/Air commanded equivalence ratio	0.93	
SAE 0x45	Relative throttle position	0.39	%
SAE 0x47	Absolute throttle position B	51.76	%
SAE 0x49	Accelerator pedal position D	16.08	%
SAE 0x4A	Accelerator pedal position E	30.98	%
SAE 0x4C	Commanded throttle actuator control	16.47	%
SAE 0x4D	Engine run time run while MIL is activated	170	min
SAE 0x4E	Engine run time since DTCs cleared	534	min
SAE 0x53	Absolute evap system vapor pressure	394.78	inH2O
Aux 0x00	Input voltage read by the scan tool	12.7	V

Mode \$02 – Freeze Frame

PID	Description	Value	Units
0x02	Freeze frame DTC	P0172	
0x03	Fuel system 1 status	2	
0x03	Fuel system 2 status	2	
0x04	Calculated load value	81.57	%
0x05	Engine coolant temperature	176	F
0x06	Short term fuel % trim – Bank 1	-3.91	%

0x07	Long term fuel % trim - Bank 1	-32.03	%
0x08	Short term fuel % trim - Bank 2	-3.91	%
0x09	Long term fuel % trim - Bank 2	-32.81	%
0x0C	Engine RPM	1581.25	RPM
0x0D	Vehicle speed	4.35	MPH
0x0E	Ignition timing advance for #1 cylinder	8.5	deg
0x0F	Intake air temperature	109.4	F
0x10	Mass air flow rate	8	lb/min
0x11	Absolute throttle position	26.27	%
0x12	Commanded secondary air status	0	
0x15	O2 voltage (Bank 1, Sensor 2)	0.18	V
0x15	Short term fuel trim (Bank 1, Sensor 2)	99.22	%
0x19	O2 voltage (Bank 2, Sensor 2)	0.14	V
0x19	Short term fuel trim (Bank 2, Sensor 2)	99.22	%
0x1F	Time since engine start	116	sec
0x24	O2 sensor lambda (Bank 1, Sensor 1)	1.01	
0x24	O2 sensor voltage wide range (Bank 1, Sensor 1)	3.23	V
0x28	O2 sensor lambda (Bank 2, Sensor 1)	1.02	
0x28	O2 sensor voltage wide range (Bank 2, Sensor 1)	3.3	V
0x2E	Commanded evaporative purge	0	%
0x30	Number of warm-ups since DTCs cleared	2	
0x31	Distance traveled since DTCs cleared	22.99	miles
0x33	Barometric pressure	28.94	inHg

0x3C	Catalyst temperature (Bank 1 Sensor 1)	932.72	F
0x3D	Catalyst temperature (Bank 2 Sensor 1)	932.72	F
0x3E	Catalyst temperature (Bank 1 Sensor 2)	901.04	F
0x3F	Catalyst temperature (Bank 2 Sensor 2)	901.04	F
0x42	Control module voltage	13.63	V
0x43	Absolute load value	82.35	%
0x44	Fuel/Air commanded equivalence ratio	0.99	
0x45	Relative throttle position	9.02	%
0x47	Absolute throttle position B	60.39	%
0x49	Accelerator pedal position D	31.76	%
0x4A	Accelerator pedal position E	46.67	%
0x4C	Commanded throttle actuator control	26.27	%
0x4E	Engine run time since DTCs cleared	70	min
0x53	Absolute evap system vapor pressure	395.58	inH2O

Mode \$05 – Oxygen Sensors

Sensor	Available
Bank 1 – Sensor 1	Yes
Bank 1 – Sensor 2	Yes
Bank 1 – Sensor 3	No
Bank 1 – Sensor 4	No

Bank 2 - Sensor 1	Yes
Bank 2 - Sensor 2	Yes
Bank 2 - Sensor 3	No
Bank 2 - Sensor 4	No

Mode \$06 - On-Board Monitoring

Component	Description	Value	Minimum	Maximum	Units	Result
\$01 - Exhaust Gas Sensor Monitor Bank 1 â Sensor 1	TID \$8E - Manufacturer Defined	0.819	0.199	19.898	V	Pass
\$01 - Exhaust Gas Sensor Monitor Bank 1 â Sensor 1	TID \$91 - Manufacturer Defined	2.4492	1.4062	3.5898	mA	Pass
\$02 - Exhaust Gas Sensor Monitor Bank 1 â Sensor 2	TID \$07 - Minimum sensor voltage for test cycle (calculated)	0.117	0	0.214	V	Pass
\$02 - Exhaust Gas Sensor Monitor Bank 1 â Sensor 2	TID \$08 - Maximum sensor voltage for test cycle (calculated)	0.625	0.585	1.19	V	Pass
\$02 - Exhaust Gas Sensor Monitor Bank 1 â Sensor 2	TID \$8F - Manufacturer Defined	0.8317	0	2.9978		Pass
\$05 - Exhaust Gas Sensor Monitor Bank 2 â Sensor 1	TID \$8E - Manufacturer Defined	0.788	0.199	19.898	V	Pass

\$05 – Exhaust Gas Sensor Monitor Bank 2 â Sensor 1	TID \$91 – Manufacturer Defined	2.4414	1.4062	3.5898	mA	Pass
\$06 – Exhaust Gas Sensor Monitor Bank 2 â Sensor 2	TID \$07 – Minimum sensor voltage for test cycle (calculated)	0.117	0	0.214	V	Pass
\$06 – Exhaust Gas Sensor Monitor Bank 2 â Sensor 2	TID \$08 – Maximum sensor voltage for test cycle (calculated)	0.625	0.585	1.19	V	Pass
\$06 – Exhaust Gas Sensor Monitor Bank 2 â Sensor 2	TID \$8F – Manufacturer Defined	0.6829	0	2.9978		Pass
\$21 – Catalyst Monitor Bank 1	TID \$A9 – Manufacturer Defined	0.5005	0.4996	9.9939		Pass
\$22 – Catalyst Monitor Bank 2	TID \$A9 – Manufacturer Defined	0.5042	0.4996	9.9939		Pass
\$3D – Purge Flow Monitor	TID \$C9 – Manufacturer Defined	0.198	0	32.767	kPa	Pass
\$3D – Purge Flow Monitor	TID \$CA – Manufacturer Defined	2.508	0	32.767	kPa	Pass
\$3D – Purge Flow Monitor	TID \$CB – Manufacturer Defined	1.606	0	32.767	kPa	Pass
\$3D – Purge Flow Monitor	TID \$CD – Manufacturer Defined	1.606	0	32.767	kPa	Pass
\$3D – Purge Flow Monitor	TID \$CE – Manufacturer Defined	2.31	0	32.767	kPa	Pass
\$3D – Purge Flow Monitor	TID \$CF – Manufacturer Defined	1.716	0	32.767	kPa	Pass

\$3D - Purge Flow Monitor	TID \$D0 - Manufacturer Defined	2.178	0	32.767	kPa	Pass
\$3D - Purge Flow Monitor	TID \$D1 - Manufacturer Defined	1.606	0	32.767	kPa	Pass
\$3D - Purge Flow Monitor	TID \$D4 - Manufacturer Defined	2.53	0	32.767	kPa	Pass
\$3D - Purge Flow Monitor	TID \$D5 - Manufacturer Defined	2.508	0	32.767	kPa	Pass
\$3D - Purge Flow Monitor	TID \$D7 - Manufacturer Defined	0	0	32.767	kPa	Pass
\$71 - Secondary Air Monitor 1	TID \$E1 - Manufacturer Defined	0	0	0	g/s	Pass
\$71 - Secondary Air Monitor 1	TID \$E2 - Manufacturer Defined	0	0	0	kPa	Pass
\$71 - Secondary Air Monitor 1	TID \$E3 - Manufacturer Defined	0	0	0	kPa	Pass
\$71 - Secondary Air Monitor 1	TID \$E4 - Manufacturer Defined	0	0	0	kPa	Pass
\$71 - Secondary Air Monitor 1	TID \$E5 - Manufacturer Defined	0	0	0	kPa	Pass
\$71 - Secondary Air Monitor 1	TID \$E6 - Manufacturer Defined	0	0	0	kPa	Pass
\$71 - Secondary Air Monitor 1	TID \$E7 - Manufacturer Defined	0	0	0	kPa	Pass
\$71 - Secondary Air Monitor 1	TID \$E8 - Manufacturer Defined	0	0	0	kPa	Pass
\$71 - Secondary Air Monitor 1	TID \$E9 - Manufacturer Defined	0	0	0	kPa	Pass

\$A1 – Misfire Monitor General Data	TID \$0B – EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles	0	0	65535	counts	Pass
\$A1 – Misfire Monitor General Data	TID \$0C – Misfire counts for last/current driving cycles (calculated, rounded to an integer value)	2	0	65535	counts	Pass
\$A2 – Misfire Cylinder 1 Data	TID \$0B – EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles	0	0	65535	counts	Pass
\$A2 – Misfire Cylinder 1 Data	TID \$0C – Misfire counts for last/current driving cycles (calculated, rounded to an integer value)	0	0	65535	counts	Pass
\$A3 – Misfire Cylinder 2 Data	TID \$0B – EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles	0	0	65535	counts	Pass
\$A3 – Misfire Cylinder 2 Data	TID \$0C – Misfire counts for last/current driving cycles (calculated, rounded to an integer value)	0	0	65535	counts	Pass
\$A4 – Misfire Cylinder 3 Data	TID \$0B – EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles	0	0	65535	counts	Pass
\$A4 – Misfire Cylinder 3 Data	TID \$0C – Misfire counts for last/current driving cycles (calculated, rounded to an integer value)	1	0	65535	counts	Pass

	value)					
\$A5 – Misfire Cylinder 4 Data	TID \$0B – EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles	0	0	65535	counts	Pass
\$A5 – Misfire Cylinder 4 Data	TID \$0C – Misfire counts for last/current driving cycles (calculated, rounded to an integer value)	0	0	65535	counts	Pass
\$A6 – Misfire Cylinder 5 Data	TID \$0B – EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles	0	0	65535	counts	Pass
\$A6 – Misfire Cylinder 5 Data	TID \$0C – Misfire counts for last/current driving cycles (calculated, rounded to an integer value)	0	0	65535	counts	Pass
\$A7 – Misfire Cylinder 6 Data	TID \$0B – EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles	0	0	65535	counts	Pass
\$A7 – Misfire Cylinder 6 Data	TID \$0C – Misfire counts for last/current driving cycles (calculated, rounded to an integer value)	1	0	65535	counts	Pass
\$A8 – Misfire Cylinder 7 Data	TID \$0B – EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles	0	0	65535	counts	Pass

\$A8 – Misfire Cylinder 7 Data	TID \$0C – Misfire counts for last/current driving cycles (calculated, rounded to an integer value)	0	0	65535	counts	Pass
\$A9 – Misfire Cylinder 8 Data	TID \$0B – EWMA (Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles	0	0	65535	counts	Pass
\$A9 – Misfire Cylinder 8 Data	TID \$0C – Misfire counts for last/current driving cycles (calculated, rounded to an integer value)	0	0	65535	counts	Pass

Mode \$09 – Vehicle Information

General Information

Description	Value
Vehicle Identification Number	JTJHT00W064006698
Calibration ID – \$7E0	36065000
Calibration Verification Number – \$7E0	E9319289

In-Performance Tracking

Counter	Description	Value
0x00	OBD Monitoring Conditions Encountered Counts	16

0x01	Ignition Cycle Counter	39
0x02	Catalyst Monitor Completion Counts Bank 1	14
0x03	Catalyst Monitor Conditions Encountered Counts Bank 1	11
0x04	Catalyst Monitor Completion Counts Bank 2	13
0x05	Catalyst Monitor Conditions Encountered Counts Bank 2	11
0x06	O2 Sensor Monitor Completion Counts Bank 1	10
0x07	O2 Sensor Monitor Conditions Encountered Counts Bank 1	11
0x08	O2 Sensor Monitor Completion Counts Bank 2	9
0x09	O2 Sensor Monitor Conditions Encountered Counts Bank 2	11
0x0A	EGR and/or VVT Monitor Completion Condition Counts	33
0x0B	EGR and/or VVT Monitor Conditions Encountered Counts	16
0x0E	EVAP Monitor Completion Condition Counts	2
0x0F	EVAP Monitor Conditions Encountered Counts	3