

---

## Diagnostic Report

Created by OBD Fusion - OCTech, LLC

www.obdsoftware.net

---

**Date:** 7/5/2017 3:04:03 PM

**VIN:** JTDKB20U687730337

**Manufacturer:** Toyota

**Model:** Prius

**Year:** 2008

---

## 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	No
Secondary Air System	No	No	No
AC Refrigerant	No	No	No

Oxygen Sensor	No	Yes	No
Oxygen Sensor Heater	No	Yes	Yes
EGR System	No	No	No

MIL Off

Number of Confirmed Codes: 0

Readiness Standard: None

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

#### Reason

- Number of incomplete tests exceeds the maximum number allowed

---

## Trouble Code Report

ECU	Code	Type	Status	Description
7E3	P0AFA	PowerTrain	Confirmed	Manufacturer Defined
7E3	P0AFA	PowerTrain	Pending	Manufacturer Defined

## Additional Information

PID	Description	Value	Units
SAE 0x21	Distance traveled while MIL is activated	0	miles

SAE 0x4D	Engine run time run while MIL is activated	0	min
SAE 0x30	Number of warm-ups since DTCs cleared	1	
SAE 0x31	Distance traveled since DTCs cleared	7.46	miles
SAE 0x4E	Engine run time since DTCs cleared	19	min

---

## Mode \$01 - Powertrain Diagnostic Data

PID	Description	Value	Units
SAE 0x03	Fuel system 1 status	2	
SAE 0x03	Fuel system 2 status	0	
SAE 0x04	Calculated load value	58.43	%
SAE 0x05	Engine coolant temperature	181.4	F
SAE 0x06	Short term fuel % trim - Bank 1	-0.78	%
SAE 0x07	Long term fuel % trim - Bank 1	1.56	%
SAE 0x0C	Engine RPM	2025.75	RPM
SAE 0x0D	Vehicle speed	61.52	MPH
SAE 0x0E	Ignition timing advance for #1 cylinder	21.5	deg
SAE 0x0F	Intake air	89.6	F

	temperature		
SAE 0x10	Mass air flow rate	1.82	lb/min
SAE 0x11	Absolute throttle position	24.71	%
SAE 0x13	Location of oxygen sensors	3	
SAE 0x15	O2 voltage (Bank 1, Sensor 2)	0.8	V
SAE 0x15	Short term fuel trim (Bank 1, Sensor 2)	99.22	%
SAE 0x1C	OBD requirements to which vehicle or engine is certified	1	
SAE 0x1F	Time since engine start	708	sec
SAE 0x21	Distance traveled while MIL is activated	0	miles
SAE 0x24	O2 sensor lambda (Bank 1, Sensor 1)	1.01	
SAE 0x24	O2 sensor voltage wide range (Bank 1, Sensor 1)	3.38	V
SAE 0x2E	Commanded evaporative purge	100	%
SAE 0x30	Number of warm-ups since DTCs cleared	1	
SAE 0x31	Distance traveled since DTCs cleared	8.7	miles
SAE 0x32	Evap system vapor pressure	65.12	inH2O
SAE 0x33	Barometric pressure	30.12	inHg
SAE 0x3C	Catalyst temperature (Bank 1 Sensor 1)	1134.5	F
SAE 0x3E	Catalyst temperature (Bank	902.12	F

	1 Sensor 2)		
SAE 0x42	Control module voltage	13.71	V
SAE 0x43	Absolute load value	57.65	%
SAE 0x44	Fuel/Air commanded equivalence ratio	0.99	
SAE 0x45	Relative throttle position	15.69	%
SAE 0x46	Ambient air temperature	84.2	F
SAE 0x47	Absolute throttle position B	67.84	%
SAE 0x4C	Commanded throttle actuator control	29.8	%
SAE 0x4D	Engine run time run while MIL is activated	0	min
SAE 0x4E	Engine run time since DTCs cleared	21	min
SAE 0x53	Absolute evap system vapor pressure	410.24	inH2O
Aux 0x00	Input voltage read by the scan tool	14	V
SAE 0x49	Accelerator pedal position D	32.94	%
SAE 0x4A	Accelerator pedal position E	49.02	%

---

## Mode \$02 - Freeze Frame

A freeze frame was found but the vehicle has no stored trouble codes. This

indicates that the freeze frame could contain out-of-date and inaccurate information.

PID	Description	Value	Units
0x02	Freeze frame DTC	P0AFA	
0x05	Engine coolant temperature	181.4	F
0x0C	Engine RPM	1632	RPM
0x0D	Vehicle speed	37.9	MPH
0x11	Absolute throttle position	42.75	%
0x1F	Time since engine start	502	sec
0x30	Number of warm-ups since DTCs cleared	1	

---

## Mode \$05 - Oxygen Sensors

Sensor	Available
Bank 1 - Sensor 1	<b>Yes</b>
Bank 1 - Sensor 2	<b>Yes</b>
Bank 1 - Sensor 3	<b>No</b>
Bank 1 - Sensor 4	<b>No</b>
Bank 2 - Sensor 1	<b>No</b>
Bank 2 - Sensor 2	<b>No</b>
Bank 2 - Sensor 3	<b>No</b>
Bank 2 - Sensor 4	<b>No</b>

## Mode \$06 - On-Board Monitoring

Component	Description	Value	Minimum	Maximum	Units	Result
\$01 - Exhaust Gas Sensor Monitor Bank 1 – Sensor 1	TID \$8E - Manufacturer Defined	0.9437	0	7.9953		Pass
\$01 - Exhaust Gas Sensor Monitor Bank 1 – Sensor 1	TID \$91 - Manufacturer Defined	2.3984	1.4062	3.5898	mA	Pass
\$02 - Exhaust Gas Sensor Monitor Bank 1 – 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 – Sensor 2	TID \$08 - Maximum sensor voltage for test cycle (calculated)	0.8	0.585	1.19	V	Pass
\$02 - Exhaust Gas Sensor Monitor Bank 1 – Sensor 2	TID \$8B - Manufacturer Defined	0	0	0	sec	Pass

\$02 - Exhaust Gas Sensor Monitor Bank 1 – Sensor 2	TID \$8D - Manufacturer Defined	1.638	0	5.995	sec	Pass
\$02 - Exhaust Gas Sensor Monitor Bank 1 – Sensor 2	TID \$8F - Manufacturer Defined	0.2952	0	1.199		Pass
\$21 - Catalyst Monitor Bank 1	TID \$A9 - Manufacturer Defined	0.1144	0.1098	9.9939		Pass
\$3D - Purge Flow Monitor	TID \$C8 - Manufacturer Defined	0	-0.768	0	kPa	Pass
\$3D - Purge Flow Monitor	TID \$00 - Manufacturer Defined	0	0	15817		Pass
\$3D - Purge Flow Monitor	TID \$00 - Manufacturer Defined	0	0	15818		Pass
\$3D - Purge Flow Monitor	TID \$00 - Manufacturer Defined	0	0	15819		Pass
\$3D - Purge Flow Monitor	TID \$00 - Manufacturer Defined	0	0	15821		Pass
\$3D - Purge Flow Monitor	TID \$00 - Manufacturer Defined	0	0	15822		Pass
\$3D - Purge	TID \$00 - Manufactu	0	0	15823		Pass



Flow Monitor	rer Defined					
\$3D - Purge Flow Monitor	TID \$00 - Manufacturer Defined	0	0	15824		Pass
\$3D - Purge Flow Monitor	TID \$00 - Manufacturer Defined	0	0	15825		Pass
\$3D - Purge Flow Monitor	TID \$00 - Manufacturer Defined	0	0	15828		Pass
\$3D - Purge Flow Monitor	TID \$00 - Manufacturer Defined	0	0	15829		Pass
\$3D - Purge Flow Monitor	TID \$00 - Manufacturer Defined	0	0	15830		Pass
\$3D - Purge Flow Monitor	TID \$00 - Manufacturer Defined	0	0	15831		Pass
\$42 - Exhaust Gas Sensor Heater Monitor Bank 1 – Sensor 2	TID \$91 - Manufacturer Defined	22.992	0	32.336	Ohm	Pass
\$A1 - Misfire Monitor General Data	TID \$0B - EWMA (Exponential Weighted Moving Average) misfire counts for last ten	0	0	65535	counts	Pass

	(10) driving cycles					
\$A1 - Misfire Monitor General Data	TID \$0C - Misfire counts for last/current driving cycles (calculated, rounded to an integer value)	5	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)	1	0	65535	counts	Pass
\$A3 - Misfire Cylinder 2 Data	TID \$0B - EWMA (Exponential Weighted Moving	0	0	65535	counts	Pass

	Average) misfire counts for last ten (10) driving cycles					
\$A3 - Misfire Cylinder 2 Data	TID \$0C - Misfire counts for last/current driving cycles (calculated, rounded to an integer value)	1	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)	0	0	65535	counts	Pass
\$A5 - Misfire	TID \$0B - EWMA	0	0	65535	counts	Pass

Cylinder 4 Data	(Exponential Weighted Moving Average) misfire counts for last ten (10) driving cycles					
\$A5 - Misfire Cylinder 4 Data	TID \$0C - Misfire counts for last/current driving cycles (calculated, rounded to an integer value)	3	0	65535	counts	Pass

---

## Mode \$09 - Vehicle Information

### General Information

Description	Value
Vehicle Identification Number	JTDKB20U687730337
Calibration ID	Not Available
Calibration Verification Number - \$7E2	2B9BF5E4
Calibration Verification Number - \$7E0	9C8954C5

## In-Performance Tracking

Counter	Description	Value
0x00	OBD Monitoring Conditions Encountered Counts	795
0x01	Ignition Cycle Counter	2833
0x02	Catalyst Monitor Completion Counts Bank 1	1083
0x03	Catalyst Monitor Conditions Encountered Counts Bank 1	794
0x06	O2 Sensor Monitor Completion Counts Bank 1	1103
0x07	O2 Sensor Monitor Conditions Encountered Counts Bank 1	794
0x0A	EGR and/or VVT Monitor Completion Condition Counts	2552
0x0B	EGR and/or VVT Monitor Conditions Encountered Counts	794
0x0E	EVAP Monitor Completion Condition Counts	260
0x0F	EVAP Monitor Conditions Encountered Counts	418